

Glo**bus**[®]

2013-2014 | TOOLS
CATALOGUE



We are pleased to present our latest catalogue of tools, which are used not only on specialised production lines, but also by smaller companies.

The range of GLOBUS brand products is very wide, a considerable part of which includes tools custom-made for individual customers. Taking into consideration such a wide range of tools, our products can be divided according to the following characteristics:

- tools for working wood and wood-based materials
- tools for working metal, aluminium and PVC
- tools for the building industry
- specialist tools

In our work, we take advantage of our long-standing industrial-construction and research experience, as well as the high qualifications and dedication of the company's employees. In our 92 years of operation, we have been constantly perfecting our production technology by introducing modern machines tools and digitally controlled centres, as well as laser cutting technology. High quality of production is guaranteed by production departments possessing modern machine parks, operated by employees with the highest qualifications. Our company's operations are based on specially prepared and strictly implemented management processes.

Our mission is to fulfill customers needs by supplying tools of the highest quality, easily available and reliable, which is achieved through our dedication and professional approach to the production process of Global brand tools.

Our goal is constant development, which is fulfilled by investments in new production technologies and the ongoing perfecting of our technical sales team's skills.

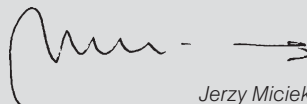
The history of FPiN Wapienica Sp. z o.o. dates back to 1921, when three owners joined forces to form a "Polish-Silesian Factory of Saws and Tools". The primary aim of Oskar Fabini, Artur Schadl and Wilhelm Redl was to manufacture saw tools in Poland on an industrial scale. Production technology at that time was dependent, to a large degree, on the skills of professional employees. During that time, the company mostly produced tools for cutting wood, fulfilling the needs of forestry workers, sawmills and small carpenter's shops. Over the years, the plant has adapted its range of products to more rapidly growing industry, expanding the production output with other tools for woodworking, metalworking, and for the building industry.

Today, apart from highly specialised tools, we also offer comprehensive advisory services of a professional technical team.

We are looking forward to doing business with you.



President of the Board



Jerzy Miciek

CHAPTER I TOOLS FOR WOOD AND WOOD DERIVED MATERIALS MACHINING

HM-TIPPED CIRCULAR SAW BLADES, ORDINARY CIRCULAR SAW BLADES
BAND SAW BLADES, GANG SAW BLADES
KNIVES FOR PLANERS 16

PROFILE ARBOR CUTTERS, CUTTERHEADS
ROUTER BITS, DRILL BITS WITH HM TIPS
ROUTER BITS FOR TOP SPINDLE MILLING MACHINES 52

DIA ROUTER BITS, DIA CYLINDER BORING BITS
DIA CIRCULAR SAW BLADES AND SCORING SAW BLADES
DIA CUTTERHEADS, DIA PROFILE TOOLS 127

CHAPTER II TOOLS FOR METAL, ALUMINIUM AND PVC MACHINING

HM-TIPPED SAW BLADES ALUEX TYPE
HM-TIPPED SAW BLADES FOR CHAMFERING GLAZING BEADS
HM-TIPPED SAW BLADES STEEL-TECH TYPE 143

HSS CIRCULAR SAW BLADES, CIRCULAR SAW BLADES FOR KEY DUPLICATING
CIRCULAR SAW BLADES FOR CUT-OFF MACHINES
SEGMENTAL SAW BLADES, SPARE SEGMENTS, FRICTION SAW BLADES 147

POWER HACKSAW BLADES
HAND HACKSAW BLADES
BAND SAW BLADES 161

CHAPTER III POWER TOOLS, HAND TOOLS

SAW BLADES, KNIVES FOR PLANERS
REDUCTION RINGS
ROUTER BITS FOR POWER TOOLS 171

CIRCULAR SAW BLADES, BAND SAW BLADES
HACKSAW BLADES
HAND SAWS 186







DIAMOND CIRCULAR SAW BLADES FOR POWER TOOLS
DIAMOND CIRCULAR SAW BLADES FOR MOBILE CUT-OFF MACHINES
DRILL BITS FOR MASONRY AND CONCRETE, SDS+ TOOLS 191

CHAPTER IV SPECIALIST TOOLS

**CHAPTER V
TOOLS DISPLAY SYSTEMS** 207

CHAPTER I – TOOLS FOR WOOD AND WOOD DERIVED MATERIALS MACHINING

HM-TIPPED CIRCULAR SAW BLADES

	TECHNICAL INFORMATION	
PS010	HM-tipped saw blades for raw wood ripping	16
PS015	HM-tipped saw blades for raw wood ripping with feed limiter	17
PS016	HM-tipped saw blades with chip removal system for raw wood cutting 	17
PS010	HM-tipped saw blades for raw wood grooving	18
PS050	HM-tipped saw blades for raw wood ripping with teeth grouping	18
PS110	MULTIX PLUS type HM-tipped circular saw blades with two wiper slots for raw wood ripping	19
PS110	MULTIX STANDARD type HM-tipped circular saw blades with two wiper slots for raw wood ripping	19
PS120	MULTIX PLUS type HM-tipped circular saw blades with four wiper slots for raw wood ripping	20
PS120	MULTIX STANDARD type HM-tipped circular saw blades with four wiper slots for raw wood ripping	21
PS130	MULTIX PLUS type HM-tipped circular saw blades with six wiper slots for raw wood ripping	21
PS190	MULTIX PLUS type HM-tipped circular saw blades without wiper slots for raw wood ripping	22
PS900	HM-tipped saw blades for raw wood debarking	23
PS015	HM-tipped saw blades for firewood cutting on pendulum saws 	23
PS210	HM-tipped saw blades for raw wood cross cutting	24
PS320	HM-tipped saw blades GLOTECH 3GS for defects removing 	25
PS310	HM-tipped saw blades GLOTECH 2 GA for cutting wood derived materials	26
PS312	HM-tipped saw blades MARATHON 2 GA for cutting wood derived materials	26
PS312	HM-tipped saw blades PERFECTCUT GA15 for cutting wood derived materials	27
PS320	HM-tipped saw blades GLOTECH 2 GS for cutting wood derived materials	27
PS322	HM-tipped saw blades MARATHON 2 3GS for batch cutting natural veneer materials and frames 	28
PS315	HM-tipped saw blades MARATHON PLUS GA for batch cutting wood derived materials 	28
PS312	HM-tipped saw blades MARATHON 2 GA, GS for batch cutting wood derived materials	29
PS627	HM-tipped conical scoring saw blades MARATHON 2 1GR for pre-cutting wood derived materials	30
PS646	HM-tipped segmental scoring saw blades GLOTECH GS for pre-cutting wood derived materials	30
PS670	HM-tipped saw blades GS10 KOLIBER type for power tools	31
PS675	HM-tipped saw blades GB15 BRYTAN type for power tools	32
PS680	HM-tipped saw blades GS5 OSA type for power tools	32
PS673	HM-tipped saw blades SET2 type for power tools	33
PS320	HM-tipped saw blades GLOTECH Electro type for power tools and miter saws	34
PS682	HM-tipped saw blades STEEL-TECH Electro type for power tools	34
PS685	HM-tipped saw blades GB15 BRYTAN MAX type for table machines	35
PS415	HM-tipped saw blades ALUEX (GA -5°) for Alu and PVC profiles cutting	36
PS415	HM-tipped saw blades ALUEX (GA +5°) for Alu and PVC profiles cutting	37
PS460	HM-tipped saw blades SUPER ALUEX for cutting Alu profiles made of alloys difficult to machine 	38
PS900	HM-tipped saw blades for sash stops chamfering	38

ORDINARY CIRCULAR SAW BLADES

	TECHNICAL INFORMATION	
PT100	Saw blades KA for soft wood ripping	40
PT110	Saw blades LA for soft wood ripping	40
PT140	Saw blades WA for soft wood ripping	42
PT150	Saw blades KB for soft and hard wood cross cutting	43

BAND SAW BLADES

PA510	Band saw blades BARAKUDA Premium for green wood cutting	44
PA410 ÷ 430	Band saw blades PIRANIA Plus for green wood cutting	44
PA310 ÷ 330	Band saw blades ORKA Plus for green wood cutting	45
OP201	Borazon grinding wheels for band saw blades sharpening	46
PS900	HM-tipped saw blades for raw wood debarking	46

GANG SAW BLADES


















PR110	Gang saws for cutting green wood	47
PR	Custom order gang saw blades	47

KNIVES FOR PLANERS

NS110	Knives for planers NCV1	47
NS120	Knives for planers EXTRA CHROM	48
NS135	Knives for planers HSS STANDARD	48
NS130	Knives for planers HSS PREMIUM	49
NS133	Knives for planers BI-HSS	49
NS140	Knives for planers HM	50

PROFILE ARBOR CUTTERS

	TECHNICAL INFORMATION	
CL010	Straight grooving cutters	52
CL020	Straight grooving cutters with scorers	52
CL050	Straight grooving cutters, adjustable with scorers	53
CL070	Straight grooving cutterheads with scorers	53
CL071	Straight planing cutters	54
CL080	Multicut spiral cutters with a split cutting edge	54
CL090	Profile cutters, quarter round, concave	55
CL100	Profile cutters, half round, concave	55
CL110	Profile cutters, half round, convex	56
CL120	45° bevelling cutters	56
CL140	Profile cutters	57
CL150	V-grooving cutters	57
CL160	Cutters for rails	58
CL190 ÷ 210	Profile cutters	58
CL230	Sets of finger joint cutters	60
CL240	Adjustable glue joint cutters	60
CL270	Panel raising cutters	61
CL280	Panel raising profile cutters	61
CL290	Stile and rail furniture door shaper cutter sets	62
CL291	Stile and rail furniture door shaper cutter sets with soldered HM knives	62
CL300	Stile and rail door shaper cutter sets	63
CL310	Sets of cutters for doors (multi-purpose)	64
CL330	Flooring shaper cutter sets (tongue&groove)	64

CL340	Paneling shaper cutter sets (tongue&groove)	65	LS040	Solid carbide roughing router bits (positiv)	94
	DIAGRAM INFORMATION SHAPER CUTTERS WITH BRAZED HSS KNIVES	66	LS060	Solid carbide roughing router bits (positiv)	95
CL530	Flooring shaper cutter sets "ZFP01", "ZFP02" (tongue&groove)	67	LS070	Solid carbide finishing router bits for PVC	95
CL540	Sets of chamfering and rounding cutters "ZZF"	69	LS220	Solid carbide finishing router bits (positiv)	95
CL550	Cutter sets "ZSD.01" for wooden walls	70	SOLID CARBIDE ENGRAVING ROUTER BITS		
CL560	Cutters "ZIB.01" for logs imitation	71	LS100	Solid carbide engraving router bits with cylindrical driver	96
CL570	Cutter sets "ZDT" for terrace boards	72	LS101	Solid carbide engraving router bits spiral Z2	96
CL580	Paneling shaper cutter sets "ZFB.01" (tongue&groove)	73	LS102	Solid carbide engraving router bits ball-shaped Z2	96
CL600÷602	Glue joint cutters (longitudinal connection) 	74	LS103	Solid carbide engraving router bits 90°-V	97
CL610	Glue joint cutters (cross connection) 	75	LS104	Solid carbide engraving router bits double ended	97
CUTTERHEADS			LS105	Solid carbide engraving router bits pyramid shaped	97
LJ010	Universal safety profile cutterheads with profile knives and limiters	76	LS106	Solid carbide engraving router bits cylindrical Z1	98
LJ520÷521	Knives for profiling, Limiters for profiling	76	LS107	Solid carbide engraving router bits spiral Z1	98
LJ020	Universal safety profile cutterheads	77	LS108	Solid carbide engraving router bits sharp V	98
LJ520	Knives for profiling	77	DRILL BITS WITH HM TIPS		
LJ050	Rebating cutterheads with spurs	78	LS510÷520	Blind hole drill bits	99
LJ550,555	Clamping wedges, Indexable knives for the LJ050 head	78	LS530÷540	Through hole drill bits	100
LJ051	Rebating cutterheads with spurs	79	ROUTER BITS WITH INSERT AND SOLDERED HM KNIVES		
LJ550,555	Clamping wedges, Indexable knives for the LJ051 head	79	FT901	Straight double flute router bits CNC PREMIUM with drilling option 	101
LJ060	Rebating cutterheads	80	FT902	Chamfering CNC PREMIUM router bits 	101
LJ555	Indexable knives for the LJ060 head	80	FT903	Rounding router bits CNC PREMIUM with driving edge 	102
LJ070	Rebating cutterheads – sectional	81	FT904	Rounding router bits CNC PREMIUM 	102
LJ555	Indexable knives for the LJ070 head	81	FT905	Chamfering CNC PREMIUM router bits with lower bearing 	103
LJ080	Adjustable chamfering cutterheads	82	FT490	Ball bearings for FT905 router bits	103
LJ555	Indexable knives for the LJ080 head	82	FT906	Straight double flute router bits CNC PREMIUM 	104
LJ090	Spiral jointing cutterheads	83	FT907	Straight double flute router bits CNC PREMIUM with drilling option 	104
LJ555	Indexable knives for the LJ090 head	83	FT908	Straight double flute router bits CNC PREMIUM 	105
LJ100	Panel raising cutterheads	84	FT909	Straight double flute router bits CNC PREMIUM with lower bearing 	105
LJ600	Indexable knives for the LJ100 head	84	FT490	Ball bearings for FT909 router bits	105
LJ110	Panel raising cutterheads	85	FT910	Rounding router bits CNC PREMIUM with lower bearing 	106
LJ610	Indexable knives for the LJ110 head	85	FT490	Ball bearings for FT910 router bits	106
LJ130	Cutterheads for serrated back knives	86	FT911	Profiling router bits CNC PREMIUM with lower bearing 	107
LJ630	Serrated back knives for profiling	86	FT490	Ball bearings for FT911 router bits	107
LJ150÷160	Planing cutterheads (4 knives/6 knives)	87	FT912	Profiling router bits CNC PREMIUM with lower bearing 	108
LJ150	Mounting brackets with set of screwbolts for planing cutterheads	88	FT490	Ball bearings for FT912 router bits	108
NS130÷140	Planer knives for planing cutterheads	88	FT913	Profiling router bits CNC PREMIUM with lower bearing for stile and rail furniture door 	109
LJ170	Planing cutterheads with a split cutting edge	89	FT490	Ball bearings for FT913 router bits	109
LJ555	Insert knives for the LJ170 cutterhead	89	FT914	Grooving router bits CNC PREMIUM with arbor grooving cutter 	110
LJ180	Chamfering and rounding adjustable cutterheads	90	FT490	Ball bearings for FT914 router bits	110
ACCESSORIES FOR CUTTERS, CUTTERHEADS AND ROUTERS			FT915	Profiling router bits CNC PREMIUM with lower bearing for stile and rail furniture door 	111
CL900÷920	Flanged reducer sleeves / twisted, Distance pieces	90	FT490	Ball bearings for FT915 router bits	111
LJ555	Indexable knives for cutterheads and mounting brackets	92	FT401	Straight router bits Z=2	112
LJ520	Profiled insert knives for the LJ010 and LJ020 heads	93	LJ555	Insert knives,	112
LJ521	Feed limiters for the LJ010 head	93	FT470	Clamping screws,	
SOLID CARBIDE ROUTER BITS			FT480	Hex keys for FT401 router bits	
LS010	Solid carbide finishing router bits (positiv)	94			

FT402	Rounding over router bits with lower bearing Z=2	113
FT450	Insert knives,	
FT470	Clamping screws,	113
FT490	Ball bearings for FT402 router bits	
FT403	Rounding over router bits with lower bearing Z=2	114
FT450	Insert knives,	
FT470	Clamping screws,	114
FT490	Ball bearings for FT403 router bits	
FT404	Straight router bits with lower bearing Z=2	115
LJ555	Insert knives,	
FT470	Clamping screws,	115
FT480	Hex keys,	
FT490	Ball bearings for FT404 router bits	
FT405	Straight router bits with upper bearing Z=2	116
LJ555	Insert knives,	
FT470	Clamping screws,	116
FT480	Hex keys,	
FT490	Ball bearings for FT405 router bits	
FT406	Bevel router bits with lower bearing Z=2	117
LJ555	Insert knives,	
FT470	Clamping screws,	117
FT480	Hex keys,	
FT490	Ball bearings for FT406 router bits	
FT407	Grooving router bits with lower bearing Z=2	118
LJ555	Insert knives,	
FT470	Clamping screws,	118
FT480	Hex keys,	
FT490	Ball bearings for FT407 router bits	
FT501	Straight router bits – single flute	119
FT502	Straight router bits – double flute	119
FT503	Cylinder boring bits	120
FT504	Straight double flute router bits with drilling option	120
FT505	Straight double flute router bits with lower bearing	121
FT470	Clamping screws,	
FT490	Ball bearings for FT505 router bits	121
FT506	Bevel router bits with lower bearing	122
FT470	Clamping screws,	
FT490	Ball bearings for FT506 router bits	122
FT507	Straight router bits with lower bearing – long	123
FT470	Clamping screws,	
FT490	Ball bearings for FT507 router bits	123
FT508	Rounding over router bits with lower bearing	124
FT470	Clamping screws,	
FT490	Ball bearings for FT508 router bits	124
FT470	Clamping screws for router bits	125
FT480	Hex keys for router bits	125
FT490	Ball bearings for router bits	125

DIA ROUTER BITS

	TECHNICAL INFORMATION	126
DI090	Router bits DIA TOP 1	127
DI110	Router bits DIA TOP eco with bearing	127
DI010	Router bits DIA UNO TOP 3 eco	128
DI030	Router bits DIA DUO TOP 4 eco	129
DI035	Router bits DIA NEST TOP 3+3 eco	129
DI050	Router bits DIA DUO TOP 3 eco	130
DI070	Router bits DIA TOP 3 TURBO	130
DI080	Router bits DIA TOP 4 TURBO	131
DI072	Router bits DIA TRE TOP 4 Champion	131
DI082	Router bits DIA QUATTRO TOP 4	132
DI084	Router bits DIA QUATTRO TOP 4 Special	132
DI130	Router bits DIA TESTINA TOP 6	133

DIA CYLINDER BORING BITS

DI500	Cylinder boring bits DIA	133
--------------	--------------------------	-----

DIA CIRCULAR SAW BLADES AND SCORING SAW BLADES

DI315	Segmental scoring saw blades DIA for scoring wood-based materials	134
DI310	Conical scoring saw blades DIA for scoring wood-based materials	135
DI300	Circular saw blades DIA	135

DIA CUTTERHEADS

DI210 ÷ 220	Cutterheads for edge banders DIA TOP-CUT 1 eco & DIA TOP-CUT 2	136
DI410	Compact cutterheads DIA PROGRESSIVE	137

DIA PROFILE TOOLS

DI	Set of profile arbor milling cutters DIA Profile router bits DIA	138
DI990	Clamps, Grips	138

CHAPTER II – TOOLS FOR METAL, ALUMINIUM AND PVC MACHINING

HM-TIPPED SAW BLADES ALUEX TYPE

	TECHNICAL INFORMATION	141
PS415	Saw blades ALUEX (GA -5°) for Alu and PVC profiles cutting	143
PS415	Saw blades ALUEX (GA +5°) for Alu and PVC profiles cutting	144
PS460	Saw blades SUPER ALUEX for cutting Alu profiles made of alloys difficult to machine	144

HM-TIPPED SAW BLADES FOR CHAMFERING GLAZING BEADS

PS900	Saw blades for chamfering glazing beads	145
--------------	---	-----

HM-TIPPED SAW BLADES STEEL-TECH TYPE

PS810	Saw blades STEEL-TECH for steel profiles cutting	145
--------------	--	-----

HSS CIRCULAR SAW BLADES – ACC. TO DIN

	TECHNICAL INFORMATION	146
FP110 ÷ 120	HSS circular saw blades – A and Aw 5° for metal cutting	147
FP130 ÷ 140	HSS circular saw blades – B and Bw 15° for metal cutting	149

CIRCULAR SAW BLADES FOR KEY DUPLICATING

FP615	HSSE circular saw blades for key duplicating	150
--------------	--	-----

CIRCULAR SAW BLADES FOR CUTTING STEEL SPACER BARS

FP600	HSS circular saw blades for cutting steel spacer bars	150
--------------	---	-----

CIRCULAR SAW BLADES FOR CUT-OFF MACHINES

	TECHNICAL INFORMATION	151
FP220	HSS circular saw blades – Bw 18° for cut-off machines	154
FP	HSS circular saw blades – PASSIVATED for cut-off machines	155
FP	HSS circular saw blades – TiN for cut-off machines	155

SEGMENTAL SAW BLADES

	TECHNICAL INFORMATION	156
PG010	Segmental circular saw blades with disc ports	157
PG020	Ordinary segmental circular saw blades	157
PG100	Segmental circular saw blades acc. DIN	158
PG030	Spare segments	158

FRICTION SAW BLADES

	TECHNICAL INFORMATION	159
PM010	Friction saw blades	159

POWER HACKSAW BLADES

	TECHNICAL INFORMATION	160
BM100	Power hacksaw blades HSS	161
BM600	Long blade HSS – fret saw	161
BM700	Long blade HSS – NPMd-P	161

HAND HACKSAW BLADES

BP100	Hand hacksaw blades – type RAMa	162
BP105	Hand hacksaw blades – type RAMb	162
BP110	Hand hacksaw blades – type RAMc	162
BP115	Hand hacksaw blades – type RAMd	162
BP210	Hand hacksaw blades – type RAMb	163
BP300	Hand hacksaw blades Bi-Metal FLEXER	163

FRAME FOR HAND HACKSAW BLADES

BR800	Frame for hand hacksaw blades	163
--------------	-------------------------------	-----

BAND SAW BLADES FOR METAL

	TECHNICAL INFORMATION	164
PX100	Saw blades METAL PROF-CUT type for metal cutting	166
PX110	Saw blades METAL PROF-CUT PLUS type for metal cutting	167
PX200	Saw blades METAL UNI-CUT type for metal cutting	167

CHAPTER III – POWER TOOLS, HAND TOOLS**HM-TIPPED SAW BLADES FOR POWER TOOLS**

PS670	HM-tipped saw blades GS10 KOLIBER type	171
PS675	HM-tipped saw blades GB15 BRYTAN type	172
PS680	HM-tipped saw blades GS5 OSA type	172
PS673	HM-tipped saw blades SET2 type	173
PS320	HM-tipped saw blades GLOTECH Electro type for power tools and miter saws	174
PS682	HM-tipped saw blades STEEL-TECH Electro type	175
PS685	HM-tipped saw blades GB15 BRYTAN MAX type for table machines	175

HM-TIPPED SAW BLADES FOR WOOD

PS010	HM-tipped saw blades for raw wood ripping	176
PS210	HM-tipped saw blades for raw wood cross cutting	177
PS310	HM-tipped saw blades GLOTECH 2 GA for cutting wood derived materials	178
PS312	HM-tipped saw blades MARATHON 2 GA for cutting wood derived materials	178
PS312	HM-tipped saw blades PERFECTCUT GA15 for cutting wood derived materials	179

HM-TIPPED SAW BLADES ALUJEX TYPE

PS415	Saw blades ALUJEX (GA -5°) for Alu and PVC profiles cutting	179
PS415	Saw blades ALUJEX (GA +5°) for Alu and PVC profiles cutting	180

HM-TIPPED SAW BLADES STEEL-TECH TYPE

PS810	HM-tipped saw blades STEEL-TECH for steel profiles cutting	180
--------------	--	-----

ORDINARY CIRCULAR SAW BLADES

PT110	Saw blades LA for soft wood ripping	181
PT150	Saw blades KB for soft and hard wood cross cutting	182

REDUCTION RINGS

KX400	Reduction rings	182
--------------	-----------------	-----

KNIVES FOR PLANERS

NS	Knives for planers	183
-----------	--------------------	-----

ROUTER BITS FOR POWER TOOLS

FT502	Straight router bits – double flute	184
FT503	Cylinder boring bits	184
FT504	Straight double flute router bits with drilling option	184
FT505	Straight double flute router bits with lower bearing	185
FT506	Bevel router bits with lower bearing	185
FT508	Rounding over router bits with lower bearing	185

CIRCULAR SAW BLADES

FP220	HSS circular saw blades Bw 18° for cut-off machines	186
FP615	HSSE circular saw blades for key duplicating	186

BAND SAW BLADES

PX100	Band saw blades METAL PROF-CUT type for metal cutting	187
--------------	---	-----

HACKSAW BLADES

BM100	Power hacksaw blades HSS	187
BP100	Hand hacksaw blades – type RAMa	187
BP105	Hand hacksaw blades – type RAMb	188
BP110	Hand hacksaw blades – type RAMc	188
BP115	Hand hacksaw blades – type RAMd	188
BP210	Hand hacksaw blades – type RAMb HSS	189
BP300	Hand hacksaw blades Bi-Metal FLEXER	189
BP800	Frame for hand hacksaw blades	189
BE200	Jigsaw blades with Bosch type grip	190
BM600	Long blade HSS – fret saw	190
BM700	Long blade HSS – NPMd-P	190

HAND SAWS

N4100	Hand saws for cellular concrete cutting	190
--------------	---	-----

DIAMOND CIRCULAR SAW BLADES FOR POWER TOOLS

PO110	Diamond saw blades BET-TECH type	191
PO111	Diamond saw blades CUT-TECH type	191
PO121	Diamond saw blades SPEED-TECH type	191
PO130	Diamond saw blades CER-TECH type	192
PO150	Diamond saw blades GRES-TECH type	192
PO170	Diamond saw blades GAL-TECH CR type	193
PO175	Diamond saw blades GAL-TECH type	193

DIAMOND CIRCULAR SAW BLADES FOR MOBILE CUT-OFF MACHINES

PD110	Diamond saw blades blades DI-TECH Plus for old concrete wet cutting	194
PD115	Diamond saw blades blades DI-TECH Plus for fresh concrete wet cutting	194
PD190	Diamond saw blades blades DI-TECH Plus for asphalt wet cutting	194

DRILL BITS FOR MASONRY AND CONCRETE

WB010	Drill bits – short for masonry and concrete	195
KW030 KW060 KW070	Sets of drill bits – short for masonry and concrete	195
WB040	Drill bits – long for masonry and concrete	195
WB050	SDS+ drill bits for masonry and concrete	196
KW050	Sets of SDS+ drill bits for masonry and concrete	196

SDS+ TOOLS

ND030	SDS+ shank chisels for masonry and concrete	197
NG010	SDS+ shank point chisels for masonry and concrete	197
NB010	SDS+ shank groovers for masonry and concrete	197

CHAPTER IV – SPECIALIST TOOLS**SPECIALIST TOOLS**














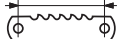


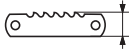


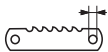









KY100	Circular knives for paper cutting	201
KZ210	Circular knives for the tobacco industry	201
KZ210, 220	Circular knives for armoured hoses	201
KZ210	Circular knives for rubber hoses cutting	202
KX010, 220 PS910	HM-tipped circular knives for rock and mineral wool cutting	202
PS710	HM-tipped circular saw blades for meat cutting	203
PT300	Ordinary circular saw blades for meat cutting	203
BW110÷120	Blades for meat cutting	204

CHAPTER V – TOOLS DISPLAY SYSTEMS**TOOLS DISPLAY SYSTEM**

MW011-001	Standard rack	207
MW011-003	Shelf for rack (wide – 1 m)	207
MW011-005	Single hook – 180 mm	207
MW011-006	Double hook with hanger – 180 mm	207
MW011-008	Plate for hook with hanger – 180 mm	207
MW010-015 MW012-010	Set of hangers for cutters, cutterheads (L=20 cm), under boxes – Standard rack	207
MW010-016 MW012-011	Set of hangers for cutters, cutterheads (L=25 cm), under boxes – Standard rack	207
MW012	Hangers and partition plates for Standard rack	207
MW010-011	Standard rack (narrow)	207
MW010-007	Standard rack (triangular, mobile)	208
MW010-005	Rack for HM saw blades for power tools	208
MW010-018	Rack for large diameter circular saw blades	208
MW010-019	Rack for shaper cutters and profile cutterheads	208
MW010-017	Rack for router bits	209
MW010-009	Rack for hacksaw blades	209
MW010-005	Rack for diamond circular saw blades for power tools	209
MW010-001	Rack for drill bits for masonry and concrete	209

MEANING OF PICTOGRAMS

	type of homogeneous material: 80CrV2		type of homogeneous material: extra chrome		mechanical feed
	head body material: aluminium		type of homogeneous material: sintered carbide		type of homogeneous material: tool steel
	safety mark		insert HM knife (sintered carbide)		head body material: tool steel
	type of homogeneous material: Bi-Metal		insert HM knife (sintered carbide)		type of homogeneous material: sintered carbide
	type of homogeneous material: Bi-Metal (blades)		type of homogeneous material: high speed steel SW7M		brazed BI HSS knife
	type of homogeneous material: high speed steel SW7M		insert HSS knife		type of homogeneous material: high speed steel PREMIUM
	type of homogeneous material: carbon steel		brazed HSS knife		type of homogeneous material: high speed steel STANDARD
	brazed HM tip with polycrystalline diamond		type of homogeneous material: high speed steel M35		segment with high diamond concentration
	production standard		manual feed		Code QR – scan and watch our tools in action
	number of teeth and scraper knives HM		inner diameter of circular saw blade		right or left side knife
	cooling holes		thickness of circular saw blade		direction of rotation of a router bit
	number of HM teeth		knife blade angle		HM knife height
	HM tip width (kerf)		shaper cutter outer diameter		diameter of the rod
	HM saw blade disc thickness		number of teeth in shaper cutters		diameter of the rod shank
	HM saw blade rake angle		number of pre-cutters in shaper cutters		working diameter of a dia router bit
	driving keyways		direction of rotation of the shaper cutter		working height of a dia router bit
	driving holes		radius		number of PCD tips in a dia router bit
	noise reduction		number of splines in a joint		dia working height
	application in power tools		height of the cut element		dia cutter head inner diameter
	tooth pitch		diameter of pins obtained		number of PCD blades in a dia head
	outer diameter of circular saw blade		number of scorers in cutterheads		dia head outer diameter

	cylinder boring drill bit rod diameter		saw blade / spare segment thickness		length of the blade
	total dia cylinder boring bit length		number of teeth in a segment		drill bit working diameter
	number of PCD teeth		number of teeth in a saw blade		drill bit working length
	PCD blade height		number of diamond segments		working width of a chisel
	saw blade thickness		length of the blade		thickness of the disc knife
	saw blade inner diameter		width of the blade		safety symbol
	saw blade outer diameter		diameter of mounting holes		quantity in a package
	saw blade flange diameter		number of teeth per inch		quantity in a bulk package
	number of teeth		thickness of the blade		barcode
	height of the diamond segment		number of teeth per inch in a band saw blade		

INFO: We reserve the right to introduce changes in the tool dimensions and construction within offer validity period.

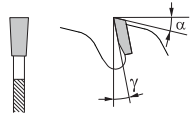
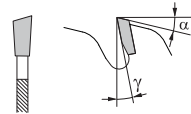
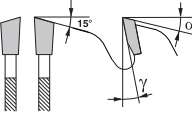
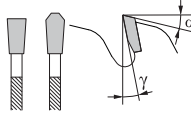
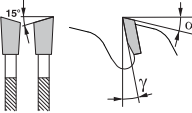
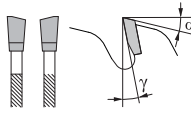
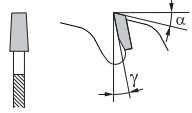
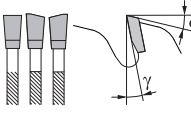
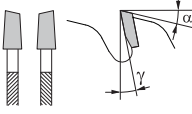
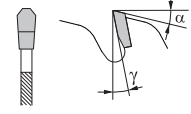
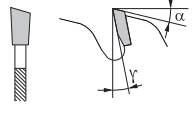
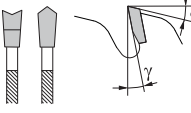
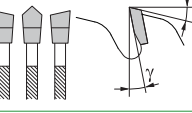
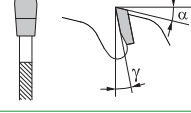
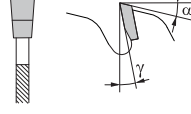


CHAPTER I TOOLS FOR WOOD AND WOOD DERIVED MATERIALS MACHINING



HM-TIPPED CIRCULAR SAW BLADES	
ORDINARY CIRCULAR SAW BLADES	_____ 16
BAND SAW BLADES	
GANG SAW BLADES, KNIVES FOR PLANERS	
PROFILE ARBOR CUTTERS	
CUTTERHEADS	
ROUTER BITS	_____ 52
DRILL BITS WITH HM TIPS	
ROUTER BITS FOR TOP SPINDLE MILLING MACHINES	
DIA ROUTER BITS	
DIA CYLINDER BORING BITS	
DIA CIRCULAR SAW BLADES AND SCORING SAW BLADES	_____ 127
DIA CUTTERHEADS	
DIA PROFILE TOOLS	

TECHNICAL INFORMATION
CIRCULAR SAW BLADES WITH HM TIPS

SHAPE AND GEOMETRY OF THE TYPES OF TEETH USED:

NAME	DRAWING	MARKING	NAME	DRAWING	MARKING
Flat top teeth (for ripping)		GM	All left top bevel teeth (for cutterheads)		GW
Alternate top bevel teeth (for cross cutting)		GS	Triple chip – flat top teeth (for PVC profiles, Alu, wood-based materials)		GA
Alternate top bevel teeth (for ripping)		2GS	Top bevel teeth (for steel profiles)		GC
Tapered teeth (for scoring wood-based materials)		GR	Top bevel teeth (for steel profiles)		2GC
Tapered teeth (for scoring wood-based materials)		1GR	Triple chip teeth (general use in construction)		GB
All right top bevel teeth (for cutterheads)		GT	Top bevel teeth (v-shaped – specialist)		W3S
Triple top bevel teeth (specialist)		GF	Round top teeth (specialist)		WR
			Biradial top teeth (specialist)		W2R

TECHNICAL INFORMATION
CIRCULAR SAW BLADES WITH HM TIPS
MINIMUM CLAMPING DISC DIAMETER AND MAXIMUM SPEED FOR SAWS WITH HM TIPS (DNPDE):

		diameter of clamping discs min. according to DIN 8083	saw speed n max
100	20	60	19.000
125			15.000
130/140			13.500
160	20/30	80	12.000
180	30/60		10.500
200			9.500
225		8.500	
250	85	120	7.500
280	30/60	160	7.000
	85	120	
300/315	30/60	160	6.000 / 6.500
	85	120	
350/355	30/60	160	5.000
	85	120	
400	30/60	160	4.500
	85	140	
425/450	30/60	180	4.200
	85	140	
500	30/60	180	3.600
	85	200	
560	30/60	160	2.800 / 3.000
	85	200	
600/630	40/60	200	2.600
700	40	200	2.100
800			2.100

The table shows the permitted speed (maximum) for saws for cutting speed $V_s = 100$ m/s

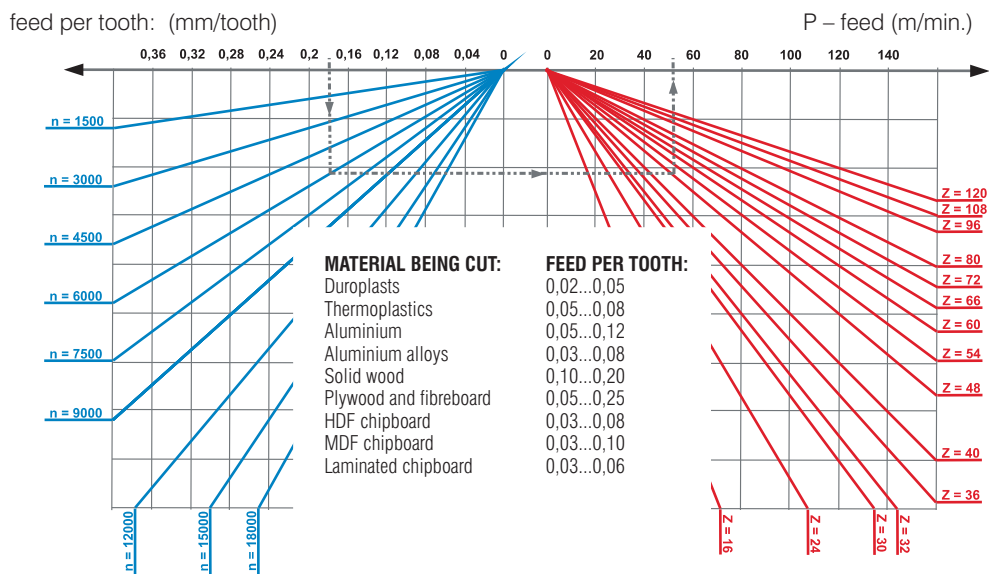
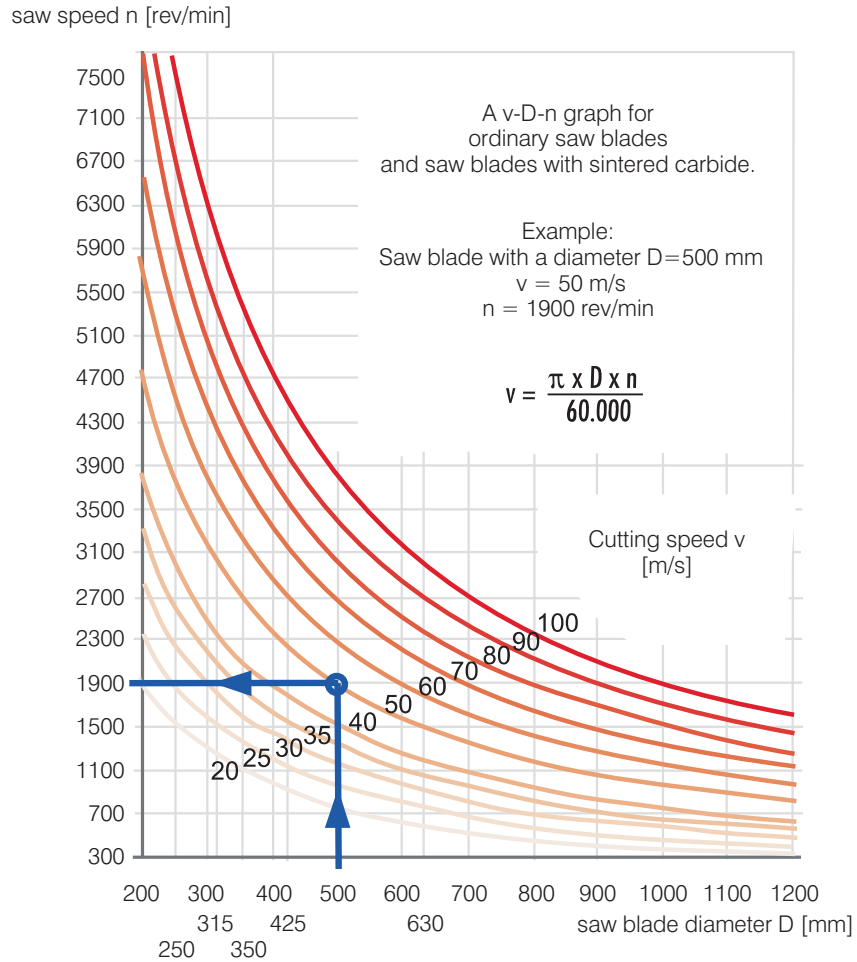
The optimum cutting speed ensuring the high performance and long life of the saw is within the limits of 50-100 m/s, depending on the material being cut.

RECOMMENDED CUTTING SPEEDS DEPENDING ON THE TYPE OF MATERIAL CUT:

material	cutting speed [m/s]
softwood	60-100
wet softwood	70-100
hardwood	59-90
soft fibreboard	60-100
hardboard	50-80
chipboard	60-80
MDF board	60-80
plywood	50-80
duroplast panel	15-50
thermoplastic board	40-80
thermoplastic sections	40-80
Alu alloys	20-40
Alu alloy sections	40-60
steel sections	20-25
drywall	50-70
mineral board, cellular concrete	2-10

TECHNICAL INFORMATION
CIRCULAR SAW BLADES WITH HM TIPS

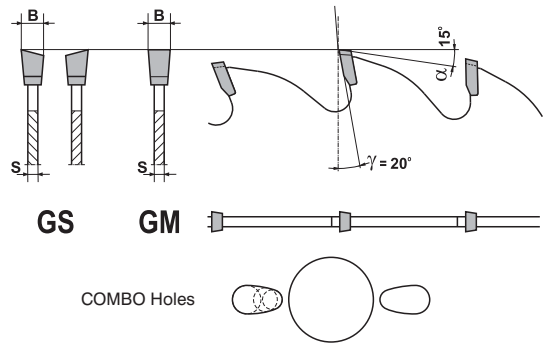
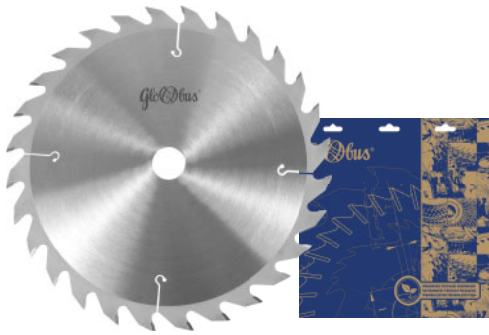
CUTTING SPEED AND PERFORMANCE CHART:



PS010

HM-TIPPED SAW BLADES

for raw wood ripping



EXECUTION & TECHNICAL INFORMATION:

- use of high quality materials and sophisticated production technology guarantees high and repeated quality of saws offered by our factory
- the saw blades maintain appropriate rigidity while working, and feature long life
- properly selected tip configuration enables obtaining optimal working quality of the ripped material
- the saw disc has special heat compensating grooves and is extremely resistant to warping under high temperature and heavy load

APPLICATION:

- for soft and hard wood ripping
- saws with GS toothing recommended for dry wood cutting
- prime cutting mainly on table cut-off machines
- saws with diameter over 600 mm are used in single and twin disc cut off machines
- large dimension saws usually have additional cooling grooves
- quality of cut surfaces – medium

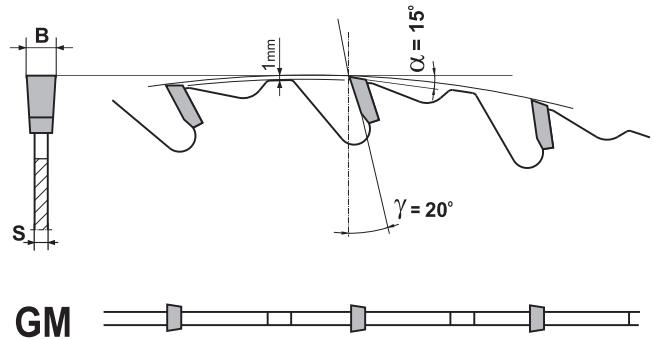
INDEX						geometry			
	mm	mm	mm	mm			ϕ ix d ₀ /d ₀	pcs	
PS010-0150-0001	150	30	3,2	2,0	18	GM20	-	1	5900855025744
PS010-0160-0001	160	30	3,2	2,0	18	GM20	-	1	5900855025768
PS010-0180-0001	180	30	2,7	1,6	18	GM20	-	1	5900855025829
PS010-0200-0001	200	30	2,7	1,6	18	GM20	2x7/42+2x8,5/46+2x10/60	1	5900855025843
PS010-0200-0002	200	30	3,0	1,8	18	GM20	2x7/42+2x8,5/46+2x10/60	1	5900855025850
PS010-0250-0001	250	30	2,7	1,6	18	GM20	2x7/42+2x8,5/46+2x10/60	1	5900855025942
PS010-0250-0002	250	30	3,2	2,0	18	GM20	2x7/42+2x8,5/46+2x10/60	1	5900855025959
PS010-0250-0005	250	30	2,7	1,6	24	GM20	2x7/42+2x8,5/46+2x10/60	1	5900855025980
PS010-0250-0006	250	30	3,0	2,0	24	GS20	2x7/42+2x8,5/46+2x10/60	1	5900855025997
PS010-0250-0003	250	30	3,2	2,0	24	GM20	2x7/42+2x8,5/46+2x10/60	1	5900855025966
PS010-0250-0009	250	30	3,0	2,0	30	GS20	2x7/42+2x8,5/46+2x10/60	1	5900855026024
PS010-0290-0001	290	60	5,0	3,0	8	GM20	-	1	5900855026086
PS010-0300-0007	300	30	2,7	1,6	18	GM20	2x7/42+2x8,5/46+2x10/60	1	5900855026154
PS010-0300-0002	300	30	3,4	2,2	18	GM20	2x7/42+2x8,5/46+2x10/60	1	5900855026109
PS010-0300-0028	300	30	3,2	2,2	20	GM20	2x7/42+2x8,5/46+2x10/60	1	5900855088916
PS010-0300-0027	300	30	3,2	2,2	24	GS20	-	1	5900855087407
PS010-0300-0001	300	30	2,7	1,6	28	GM20	2x7/42+2x8,5/46+2x10/60	1	5900855026093
PS010-0300-0003	300	30	3,4	2,2	28	GM20	2x7/42+2x8,5/46+2x10/60	1	5900855026116
PS010-0300-0004	300	30	2,8	2,2	30	GS20	2x7/42+2x8,5/46+2x10/60	1	5900855026123
PS010-0300-0006	300	30	3,0	2,2	30	GS20	2x7/42+2x8,5/46+2x10/60	1	5900855026147
PS010-0300-0029	300	30	3,2	2,2	30	GM20	2x7/42+2x8,5/46+2x10/60	1	5900855088923
PS010-0300-0011	300	30	3,2	2,2	30	GS20	2x7/42+2x8,5/46+2x10/60	1	5900855026192
PS010-0315-0001	315	30	2,7	1,6	18	GM20	2x7/42+2x8,5/46+2x10/60	1	5900855026253
PS010-0315-0003	315	30	3,4	2,2	18	GM20	2x7/42+2x8,5/46+2x10/60	1	5900855026277
PS010-0315-0002	315	30	2,7	1,6	28	GM20	2x7/42+2x8,5/46+2x10/60	1	5900855026260
PS010-0315-0025	315	30	3,2	2,2	28	GM20	2x7/42+2x8,5/46+2x10/60	1	5900855088930
PS010-0315-0006	315	30	3,2	2,5	28	GS20	2x7/42+2x8,5/46+2x10/60	1	5900855026307
PS010-0315-0004	315	30	3,4	2,2	28	GM20	2x7/42+2x8,5/46+2x10/60	1	5900855026284
PS010-0315-0013	315	30	3,2	2,5	36	GS20	-	1	5900855051026
PS010-0350-0001	350	30	3,6	2,5	18	GM20	2x7/42+2x8,5/46+2x10/60	1	5900855026369
PS010-0350-0006	350	30	3,6	2,5	18	GS20	2x7/42+2x8,5/46+2x10/60	1	5900855026413
PS010-0350-0002	350	30	3,6	2,5	24	GM20	2x7/42+2x8,5/46+2x10/60	1	5900855026376
PS010-0350-0007	350	30	3,6	2,5	24	GS20	2x7/42+2x8,5/46+2x10/60	1	5900855026420
PS010-0350-0010	350	30	3,2	2,5	32	GS20	-	1	5900855049825
PS010-0350-0003	350	30	3,6	2,5	32	GM20	2x7/42+2x8,5/46+2x10/60	1	5900855026383
PS010-0350-0013	350	30	3,0	2,2	36	GS20	-	1	5900855043601
PS010-0400-0001	400	30	4,0	2,8	18	GM20	2x7/42+2x8,5/46+2x10/60	1	5900855026499
PS010-0400-0004	400	30	4,0	2,8	18	GS20	2x7/42+2x8,5/46+2x10/60	1	5900855026529
PS010-0400-0013	400	30	4,0	2,8	24	GS20	-	1	5900855073189
PS010-0400-0021	400	30	3,6	2,5	28	GM20	2x7/42+2x8,5/46+2x10/60	1	5900855088947
PS010-0400-0002	400	30	4,0	2,8	28	GM20	2x7/42+2x8,5/46+2x10/60	1	5900855026505
PS010-0400-0003	400	30	4,0	2,8	36	GM20	2x7/42+2x8,5/46+2x10/60	1	5900855026512
PS010-0450-0001	450	30	4,0	2,8	20	GM20	2x7/42+2x8,5/46+2x10/60	1	5900855026604
PS010-0450-0004	450	30	4,0	2,8	20	GS20	2x7/42+2x8,5/46+2x10/60	1	5900855026635
PS010-0450-0008	450	30	4,2	2,8	28	GM20	2x7/42+2x8,5/46+2x10/60	1	5900855056854
PS010-0450-0002	450	30	4,2	2,8	32	GM20	2x7/42+2x8,5/46+2x10/60	1	5900855026611
PS010-0450-0013	450	30	4,0	2,8	36	GS20	-	1	5900855072397
PS010-0500-0001	500	30	4,2	2,8	24	GM20	2x7/42+2x8,5/46+2x10/60	1	5900855026673
PS010-0500-0003	500	30	4,2	2,8	24	GS20	2x7/42+2x8,5/46+2x10/60	1	5900855026697
PS010-0500-0004	500	30	4,2	2,8	36	GS20	2x7/42+2x8,5/46+2x10/60	1	5900855026703
PS010-0500-0002	500	30	4,2	2,8	44	GM20	2x7/42+2x8,5/46+2x10/60	1	5900855026680
PS010-0630-0001	630	30	6,0	4,0	40	GM20	2x7/42+2x8,5/46+2x10/60	1	5900855026758
PS010-0800-0007	800	40	7,0	4,5	40	GM20	-	1	5900855132411

Legend: d₀ – driver hole dia d_h – hole pitch dia. INFO: Saw blades PS010-0630-0001, PS010-0800-0001 and PS010-0800-0007 have additional holes. ○ – to order.

PS015

HM-TIPPED SAW BLADES

for raw wood ripping with feed limiter



EXECUTION & TECHNICAL INFORMATION:

- saw blades have chip thickness limiter
- specially selected tooth form prevents saw blade from overloading while working
- additionally, saw blades are equipped with grooves compensating the influence of the working temperature on the disc tension

APPLICATION:

- saws designed for hard and soft wood cutting
- saws designed for dry and wet wood cutting
- recommended for ripping
- used on table cut-off and sizing machines with manual feed

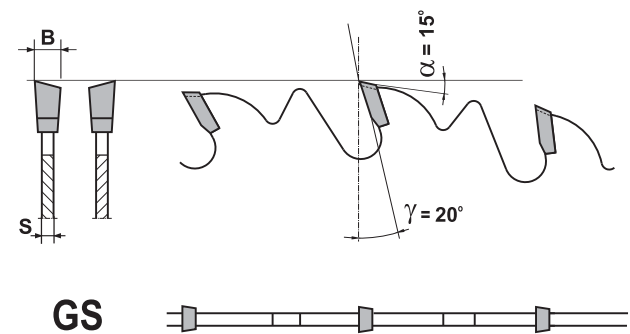
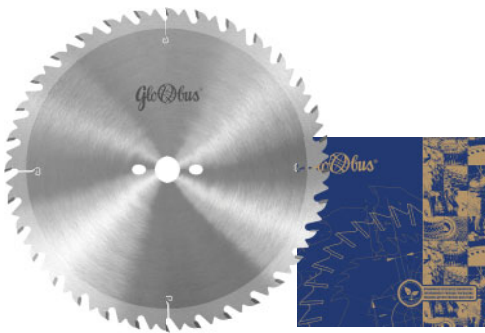
INDEX									
	mm	mm	mm	mm			ilxd ₁ /d _p	pcs	
PS015-0300-0002	300	30	3,4	2,2	14		2x10/60	1	5900855088954
PS015-0350-0002	350	30	3,6	2,5	16		-	1	5900855026826
PS015-0400-0002	400	30	3,8	2,5	18		-	1	5900855026840
PS015-0450-0003	450	30	4,2	2,8	20		2x10/60	1	5900855088961

Legend: d₁ – driver hole dia d_p – hole pitch dia

PS016

HM-TIPPED SAW BLADES

with chip removal system for raw wood cutting



EXECUTION & TECHNICAL INFORMATION:

- saw blades equipped with chip removal system
- chip removal system is simultaneously tooth protection against different inclusions e.g. loose knag
- saw blades are equipped with grooves compensating the influence of the working temperature on the disc tension

APPLICATION:

- saw blades designed for cutting soft and hard wood
- saw blades designed for cutting dry and wet wood
- for ripping and cross cutting
- used on table cut off machines

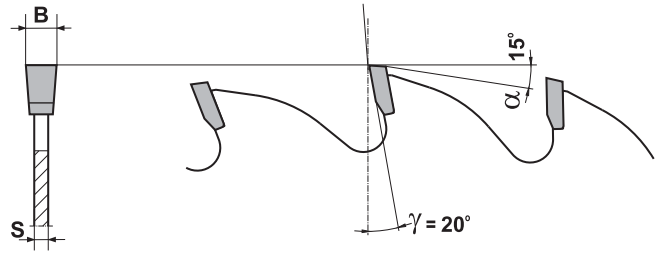
INDEX									
	mm	mm	mm	mm			ilxd ₁ /d _p	pcs	
PS016-0300-0001	300	30	3,4	2,2	28		2x7/42+2x8,5/46+2x10/60	1	5900855165716
PS016-0350-0001	350	30	3,6	2,5	32		2x7/42+2x8,5/46+2x10/60	1	5900855165723
PS016-0400-0001	400	30	4,0	2,8	36		2x7/42+2x8,5/46+2x10/60	1	5900855165730

Legend: d₁ – driver hole dia d_p – hole pitch dia

PS010

HM-TIPPED SAW BLADES

for raw wood grooving



APPLICATION:
 ■ for soft and hard wood grooving

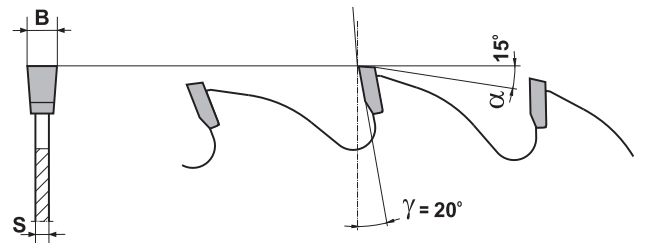
INDEX							
	mm	mm	mm	mm		pcs	
PS010-0100-0001	100	30	4,0	2,8	18	1	5900855046404
PS010-0125-0001	125	30	4,0	2,8	12	1	5900855025706
PS010-0125-0004	125	30	5,0	3,5	12	1	5900855095655
PS010-0125-0007	125	30	6,0	4,0	12	1	5900855098748
PS010-0150-0002	150	30	4,0	2,8	36	1	5900855060554

Legend: ○ – to order

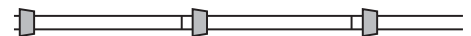
PS050

HM-TIPPED SAW BLADES

for raw wood ripping with teeth grouping



GM



EXECUTION & TECHNICAL INFORMATION:

- properly selected tooth geometry and number (teeth grouping 8x5) enable optimal chip removing from cutting space
- the saw disc has special heat and load compensating grooves

APPLICATION:

- saws designed for prime soft wet wood cutting
- recommended for ripping
- used in single and twin disc cut-off machines

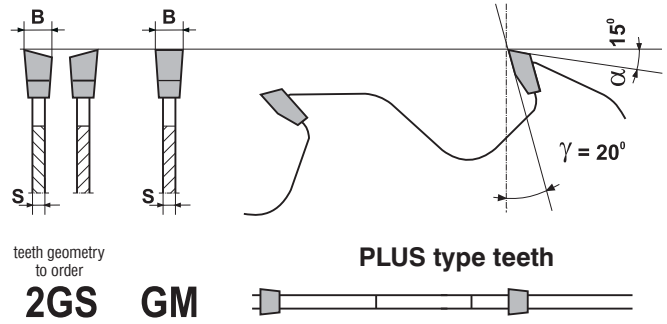
INDEX								
	mm	mm	mm	mm		$i \times d_p / d_b$	pcs	
PS050-0630-0001	630	30	6,0	4,0	8x5	2x10/60	1	5900855026888
PS050-0710-0001	710	40	7,0	4,5	9x3	–	1	5900855132428
PS050-0710-0003	710	40	7,0	4,5	8x5	–	1	5900855132442
PS050-0710-0002	710	50	7,0	4,5	9x3	–	1	5900855132435
PS050-0800-0001	800	40	6,0	4,0	8x5	–	1	5900855026932
PS050-0800-0022	800	40	8,0	5,5	9x3	–	1	5900855132459
PS050-0800-0023	800	50	8,0	5,5	9x3	–	1	5900855132466
PS050-0900-0010	900	50	8,0	5,5	9x3	–	1	5900855132473
PS050-1000-0007	1000	50	8,0	5,5	9x3	–	1	5900855132480

Legend: d_s – driver hole dia d_p – hole pitch dia ○ – to order

PS110

MULTIX PLUS TYPE HM-TIPPED CIRCULAR SAW BLADES

with two wiper slots for raw wood ripping



EXECUTION & TECHNICAL INFORMATION:

- professional **MULTIX PLUS** saws are equipped with a disc ensuring high rigidity in heavy duty work, characteristic for high performance multi rip saws
- special **PLUS tooth geometry** enables high cutting parameters
- use of **thicker tips in MULTIX PLUS** saws results in higher number of sharpenings
- appropriately located wiper slots in the disc enable fast chip removal from cutting space

APPLICATION:

- saws designed for ripping of soft and hard raw wood on single or twin shaft multi rip saws
- **saws with PLUS type teeth geometry** are especially recommended for soft raw wood ripping
- one of conditions for proper work is appropriate chip removal

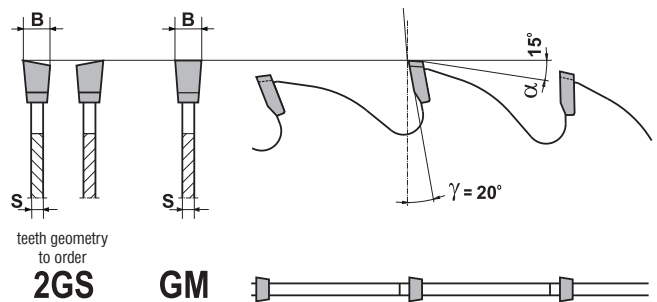
INDEX						geometry		type		
	mm	mm	mm	mm			il(axh)		pcs	
PS110-0250-0083	250	70	3,2	2,0	12+2	GM20	4(20x6)	PLUS	1	5900855132619
PS110-0250-0084	250	80	3,2	2,0	12+2	GM20	4(20x6)	PLUS	1	5900855132626
PS110-0250-0085	250	70	3,2	2,0	16+2	GM20	4(20x6)	PLUS	1	5900855132633
PS110-0250-0086	250	80	3,2	2,0	16+2	GM20	4(20x6)	PLUS	1	5900855132640
PS110-0300-0033	300	70	3,6	2,2	14+2	GM20	4(20x6)	PLUS	1	5900855132695
PS110-0300-0034	300	80	3,6	2,2	14+2	GM20	4(20x6)	PLUS	1	5900855132701
PS110-0300-0035	300	70	3,6	2,2	18+2	GM20	4(20x6)	PLUS	1	5900855132718
PS110-0300-0036	300	80	3,6	2,2	18+2	GM20	4(20x6)	PLUS	1	5900855132725

Legend: a – groove width h – groove height.
 All type MULTIX HM-tipped saw blades can be coated with fluoropolymer to order – min. quantity required.

PS110

MULTIX STANDARD TYPE HM-TIPPED CIRCULAR SAW BLADES

with two wiper slots for raw wood ripping



EXECUTION & TECHNICAL INFORMATION:

- professional **MULTIX Standard** saws are equipped with a disc ensuring high rigidity in heavy duty work, characteristic for high performance multi rip saws
- appropriately located wiper slots in the disc enable fast chip removal from cutting space

APPLICATION:

- saws designed for ripping of soft and hard wet wood on single or twin shaft multi rip saws
- standard saws with 24 teeth can be used for ripping of soft and hard dry wood
- one of conditions for proper work is appropriate chip removal

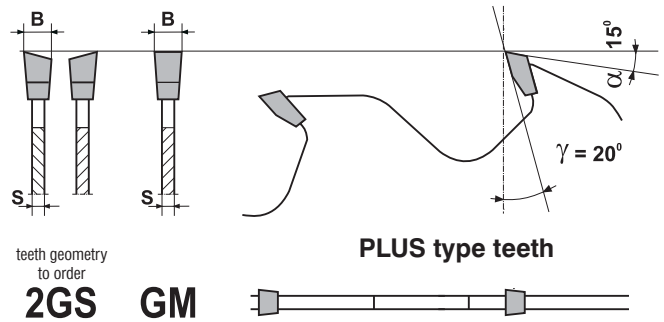
INDEX						geometry		type		
	mm	mm	mm	mm			il(axh)		pcs	
PS110-0250-0087	250	70	3,2	2,0	18+2	GM20	4(20x6)		1	5900855132657
PS110-0250-0088	250	80	3,2	2,0	18+2	GM20	4(20x6)		1	5900855132664
PS110-0250-0089	250	70	3,2	2,0	24+2	GM20	4(20x6)		1	5900855132671
PS110-0250-0090	250	80	3,2	2,0	24+2	GM20	4(20x6)		1	5900855132688
PS110-0300-0037	300	70	3,2	2,2	18+2	GM20	4(20x6)		1	5900855132732
PS110-0300-0038	300	80	3,2	2,2	18+2	GM20	4(20x6)		1	5900855132749
PS110-0300-0039	300	70	3,2	2,2	24+2	GM20	4(20x6)		1	5900855132756
PS110-0300-0040	300	80	3,2	2,2	24+2	GM20	4(20x6)		1	5900855132763

Legend: a – groove width h – groove height.
 All type MULTIX HM-tipped saw blades can be coated with fluoropolymer to order – min. quantity required.

PS120

MULTIX PLUS TYPE HM-TIPPED CIRCULAR SAW BLADES

with four wiper slots for raw wood ripping



EXECUTION & TECHNICAL INFORMATION:

- professional MULTIX PLUS saws are equipped with a disc ensuring high rigidity in heavy duty work, characteristic for high performance multi rip saws
- special PLUS tooth geometry enables high cutting parameters
- use of thicker tips in MULTIX PLUS saws results in higher number of sharpenings
- appropriately located wiper slots in the disc enable fast chip removal from cutting space

APPLICATION:

- saws designed for ripping of soft and hard raw wood on single or twin shaft multi rip saws
- saws with PLUS type teeth geometry are especially recommended for soft raw wood ripping
- one of conditions for proper work is appropriate chip removal

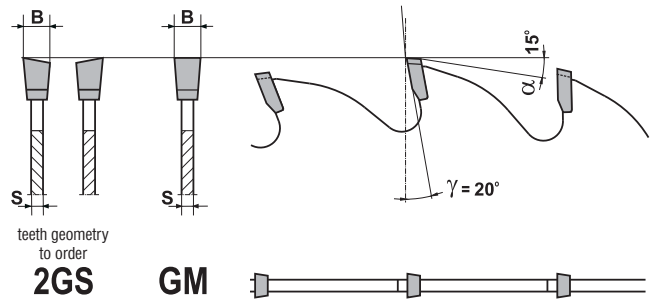
INDEX						geometry		type		
	mm	mm	mm	mm			il(axh)		pcs	
PS120-0300-0102	300	70	3,6	2,2	14+4	GM20	4(20x6)	PLUS	1	5900855132770
PS120-0300-0103	300	80	3,6	2,2	14+4	GM20	4(20x6)	PLUS	1	5900855132787
PS120-0300-0104	300	70	3,6	2,2	18+4	GM20	4(20x6)	PLUS	1	5900855132794
PS120-0300-0105	300	80	3,6	2,2	18+4	GM20	4(20x6)	PLUS	1	5900855132800
PS120-0300-0106	300	30	3,6	2,2	18+4	GM20		PLUS	1	5900855132817
PS120-0315-0034	315	70	3,6	2,2	14+4	GM20	4(20x6)	PLUS	1	5900855132855
PS120-0315-0035	315	80	3,6	2,2	14+4	GM20	4(20x6)	PLUS	1	5900855132862
PS120-0315-0036	315	70	3,6	2,2	18+4	GM20	4(20x6)	PLUS	1	5900855132879
PS120-0315-0037	315	80	3,6	2,2	18+4	GM20	4(20x6)	PLUS	1	5900855132886
PS120-0350-0117	350	70	3,8	2,5	14+4	GM20	4(20x6)	PLUS	1	5900855132930
PS120-0350-0118	350	80	3,8	2,5	14+4	GM20	4(20x6)	PLUS	1	5900855132947
PS120-0350-0119	350	70	3,8	2,5	18+4	GM20	4(20x6)	PLUS	1	5900855132954
PS120-0350-0120	350	80	3,8	2,5	18+4	GM20	4(20x6)	PLUS	1	5900855132961
PS120-0350-0121	350	30	3,8	2,5	18+4	GM20		PLUS	1	5900855132978
PS120-0350-0122	350	70	3,8	2,5	20+4	GM20	4(20x6)	PLUS	1	5900855132985
PS120-0350-0123	350	80	3,8	2,5	20+4	GM20	4(20x6)	PLUS	1	5900855132992
PS120-0400-0065	400	60	4,4	3,0	14+4	GM20	4(20x6)	PLUS	1	5900855133036
PS120-0400-0066	400	70	4,4	3,0	14+4	GM20	4(20x6)	PLUS	1	5900855133043
PS120-0400-0067	400	60	4,4	3,0	18+4	GM20	4(20x6)	PLUS	1	5900855133050
PS120-0400-0068	400	70	4,4	3,0	18+4	GM20	4(20x6)	PLUS	1	5900855133067
PS120-0420-0002	420	80	4,4	3,2	14+4	2GS20	4(20x6)	PLUS	1	5900855099950
PS120-0425-0007	425	70	4,4	3,2	14+4	GM20	4(20x6)	PLUS	1	5900855133081
PS120-0450-0052	450	60	4,6	3,2	14+4	GM20	4(20x6)	PLUS	1	5900855133098
PS120-0450-0053	450	70	4,6	3,2	14+4	GM20	4(20x6)	PLUS	1	5900855133104
PS120-0450-0054	450	60	4,6	3,2	18+4	GM20	4(20x6)	PLUS	1	5900855133111
PS120-0450-0055	450	70	4,6	3,2	18+4	GM20	4(20x6)	PLUS	1	5900855133128
PS120-0450-0017	450	70	5,0	3,5	18+4	2GS20	4(21x6)	PLUS	1	5900855051125
PS120-0500-0015	500	70	5,0	3,4	14+4	GM20	4(20x6)	PLUS	1	5900855133142
PS120-0500-0016	500	60	5,0	3,4	18+4	GM20	4(20x6)	PLUS	1	5900855133159

Legend: a – groove width h – groove height. ○ – to order – min. quantity required.
All type MULTIX HM-tipped saw blades can be coated with fluoropolymer to order – min. quantity required.

PS120

MULTIX STANDARD TYPE HM-TIPPED CIRCULAR SAW BLADES

with four wiper slots for raw wood ripping



EXECUTION & TECHNICAL INFORMATION:

- professional **MULTIX Standard** saws are equipped with a disc ensuring high rigidity in heavy duty work, characteristic for high performance multi saws
- appropriately located wiper slots in the disc enable fast chip removal from cutting space

APPLICATION:

- saws designed for ripping of soft and hard wet wood on single or twin shaft multi rip saws
- standard saws with 24 teeth can be used for ripping of soft and hard dry wood
- one of conditions for proper work is appropriate chip removal

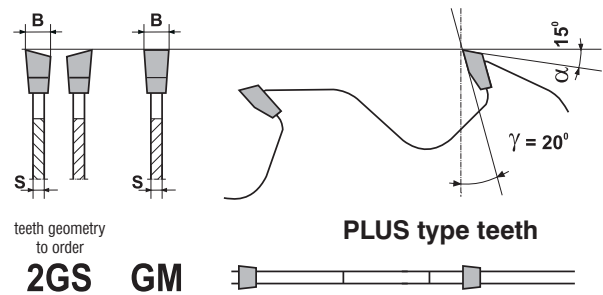
INDEX						geometry			
	mm	mm	mm	mm			il(axh)	pcs	
PS120-0300-0108	300	80	3,2	2,2	18+4	GM20	4(20x6)	1	5900855132831
PS120-0300-0109	300	70	3,2	2,2	24+4	GM20	4(20x6)	1	5900855132848
○ PS120-0300-0004	300	70	3,6	2,5	18+4	2GS20	4(20x6)	1	5900855027489
PS120-0300-0086	300	80	3,2	2,2	24+4	GM20	4(20x6)	1	5900855121576
PS120-0315-0038	315	70	3,6	2,5	18+4	GM20	4(20x6)	1	5900855132893
PS120-0315-0039	315	80	3,6	2,5	18+4	GM20	4(20x6)	1	5900855132909
PS120-0315-0040	315	70	3,6	2,5	24+4	GM20	4(20x6)	1	5900855132916
○ PS120-0315-0041	315	80	3,6	2,5	24+4	GM20	4(20x6)	1	5900855132923
PS120-0350-0116	350	70	3,6	2,5	18+4	GM20	4(20x6)	1	5900855128971
PS120-0350-0124	350	80	3,6	2,5	18+4	GM20	4(20x6)	1	5900855133005
PS120-0350-0125	350	70	3,6	2,5	24+4	GM20	4(20x6)	1	5900855133012
○ PS120-0350-0126	350	80	3,6	2,5	24+4	GM20	4(20x6)	1	5900855133029
PS120-0400-0069	400	70	3,6	2,5	24+4	GM20	4(20x6)	1	5900855133074
PS120-0450-0056	450	70	4,4	3,2	24+4	GM20	4(20x6)	1	5900855133135

Legend: a – groove width h – groove height ○ – to order – min. quantity required.
All type MULTIX HM-tipped saw blades can be coated with fluoropolymer to order – min. quantity required.

PS130

MULTIX PLUS TYPE HM-TIPPED CIRCULAR SAW BLADES

with six wiper slots for raw wood ripping



EXECUTION & TECHNICAL INFORMATION:

- professional **MULTIX PLUS** saws are equipped with a disc ensuring high rigidity in heavy duty work, characteristic for high performance multi saws
- special **PLUS tooth geometry** enables high cutting parameters
- use of **thicker tips in MULTIX PLUS** saws results in higher number of sharpenings
- appropriately located wiper slots in the disc enable fast chip removal from cutting space

APPLICATION:

- saws designed for ripping of soft and hard raw wood on single or twin shaft multi rip saws
- saws with **PLUS type teeth geometry** are especially recommended for soft raw wood ripping
- one of conditions for proper work is appropriate chip removal

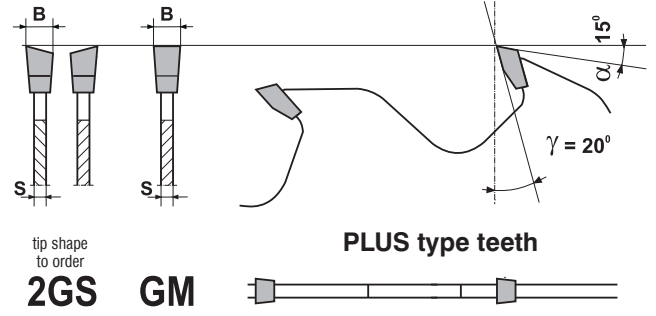
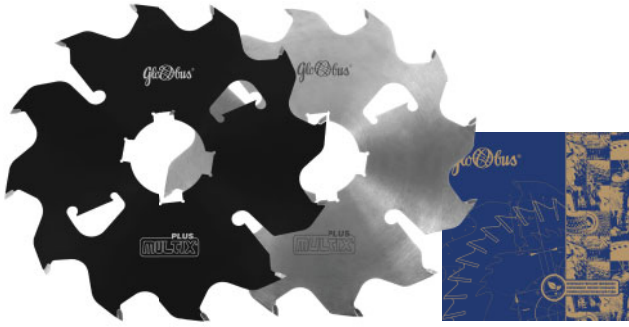
INDEX						geometry		type		
	mm	mm	mm	mm			il(axh)		pcs	
PS130-0450-0022	450	70	4,8	3,2	18+6	GM20	4(20x6)	PLUS	1	5900855133180
○ PS130-0500-0031	500	60	5,0	3,4	18+6	GM20	4(20x6)	PLUS	1	5900855133166
○ PS130-0500-0032	500	70	5,0	3,4	18+6	GM20	4(20x6)	PLUS	1	5900855133173
PS130-0630-0010	630	70	6,0	3,8	18+6	GM20	4(20x6)	PLUS	1	5900855133197

Legend: a – groove width h – groove height ○ – to order – min. quantity required.
All type MULTIX HM-tipped saw blades can be coated with fluoropolymer to order – min. quantity required.

PS190

MULTIX PLUS TYPE HM-TIPPED CIRCULAR SAW BLADES

without wiper slots for raw wood ripping



EXECUTION & TECHNICAL INFORMATION:

- **MULTIX PLUS** saws without wiper slots have a classical MULTIX PLUS type construction so that they do not need to be equipped with wiper slots
- use of **thicker tips in MULTIX PLUS** saws results in higher number of sharpenings
- the grooves in the saw disc ensure both chip removing and good disc cooling thus ensuring long and stable operation

APPLICATION:

- saws designed for ripping of soft and hard raw wood on single or twin shaft multi rip saws – medium working parameters
- **saws with PLUS type teeth geometry** are especially recommended for soft raw wood ripping
- feed shouldn't exceed 10 m/min while cutting on multi rip saws
- one of conditions for proper work is appropriate chip removal

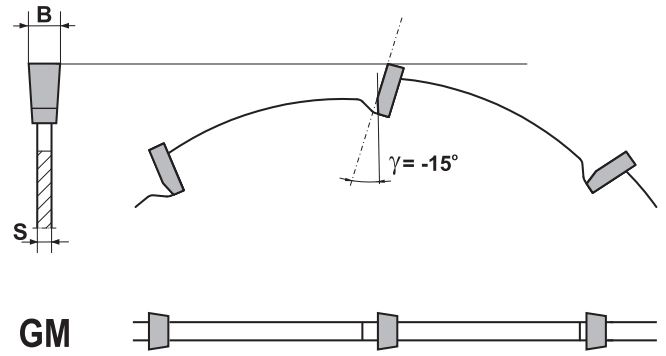
INDEX						geometry		type		
	mm	mm	mm	mm	1 2 3...		il(axh)		pcs	
○ PS190-0250-0014	250	50	3,6	2,2	12+2bn	GM20	-	PLUS	1	5900855133203
○ PS190-0250-0015	250	70	3,6	2,2	12+2bn	GM20	4(20x6)	PLUS	1	5900855133210
○ PS190-0260-0008	260	80	3,6	2,2	14+4bn	GM20	4(12x4)	PLUS	1	5900855133227
○ PS190-0260-0009	260	70	2,8	1,6	14+4bn	GM20	4(20x6)	PLUS	1	5900855133234
○ PS190-0300-0007	300	50	3,6	2,2	14+4bn	GM20	-	PLUS	1	5900855070249
○ PS190-0300-0014	300	60	3,6	2,2	14+4bn	GM20	4(20x6)	PLUS	1	5900855133241
○ PS190-0300-0015	300	70	3,6	2,2	14+4bn	GM20	4(20x6)	PLUS	1	5900855133258
○ PS190-0300-0016	300	80	3,6	2,2	14+4bn	GM20	4(20x6)	PLUS	1	5900855133265
○ PS190-0300-0017	300	70	4,2	2,8	16+4bn	GM20	4(20x6)	PLUS	1	5900855133272
○ PS190-0315-0007	315	30	3,6	2,2	14+4bn	GM20	-	PLUS	1	5900855133289
○ PS190-0315-0008	315	50	3,6	2,2	14+4bn	GM20	-	PLUS	1	5900855133296
○ PS190-0315-0010	315	70	3,6	2,2	14+4bn	GM20	4(20x6)	PLUS	1	5900855133319
○ PS190-0350-0016	350	30	4,0	2,5	14+4bn	GM20	-	PLUS	1	5900855080088
○ PS190-0350-0031	350	60	4,0	2,5	14+4bn	GM20	4(20x6)	PLUS	1	5900855133326
○ PS190-0350-0032	350	70	4,0	2,5	14+4bn	GM20	4(20x6)	PLUS	1	5900855133333
○ PS190-0350-0033	350	60	4,6	3,0	14+4bn	GM20	4(20x6)	PLUS	1	5900855133340
○ PS190-0400-0016	400	50	4,6	2,8	14+4bn	GM20	-	PLUS	1	5900855133357
○ PS190-0400-0017	400	60	4,6	2,8	14+4bn	GM20	4(20x6)	PLUS	1	5900855133364
○ PS190-0400-0018	400	70	4,6	2,8	14+4bn	GM20	4(20x6)	PLUS	1	5900855133371
○ PS190-0425-0008	425	50	4,6	2,8	14+4bn	GM20	-	PLUS	1	5900855133388
○ PS190-0425-0006	425	60	4,6	2,8	14+4bn	GM20	4(20x6)	PLUS	1	5900855098601
○ PS190-0425-0009	425	70	4,6	2,8	14+4bn	GM20	4(20x6)	PLUS	1	5900855133395
○ PS190-0450-0019	450	50	5,2	3,0	14+6bn	GM20	-	PLUS	1	5900855133401
○ PS190-0450-0020	450	60	5,2	3,0	14+6bn	GM20	4(20x6)	PLUS	1	5900855133418
○ PS190-0450-0021	450	70	5,2	3,0	14+6bn	GM20	4(20x6)	PLUS	1	5900855133425
○ PS190-0500-0013	500	60	5,2	3,0	16+6bn	GM20	4(20x6)	PLUS	1	5900855133432
○ PS190-0500-0014	500	70	5,2	3,0	16+6bn	GM20	4(20x6)	PLUS	1	5900855133449
○ PS190-0630-0002	630	70	6,5	3,8	18+6bn	GM20	4(20x6)	PLUS	1	5900855133456

Legend: a – groove width h – groove height ○ – to order – min. quantity required.
 All type MULTIX HM-tipped saw blades can be coated with fluoropolymer to order – min. quantity required.

PS900

HM-TIPPED SAW BLADES

for raw wood debarking



EXECUTION & TECHNICAL INFORMATION:

- saws with special teeth geometry
- special and wide HM-tip enables debarking without difficulties

APPLICATION:

- saws used for sawmill wood debarking (green wood on debarking machines)

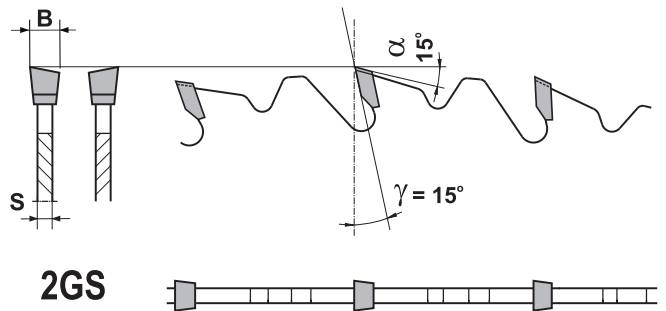
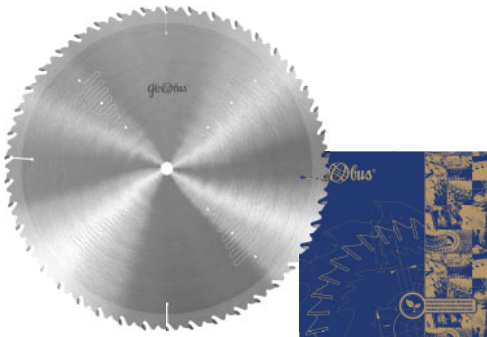
INDEX									
	mm	mm	mm	mm			il(axh)	pcs	
PS900-0180-0006	180	25,4	8,0	4,0	1	2 3...	1(6x4)	1	5900855051903

Legend: a – groove width h – groove height.

PS015

HM-TIPPED SAW BLADES

for firewood cutting on pendulum saws



EXECUTION & TECHNICAL INFORMATION:

- saw blade tooth equipped with chip thickness limiter
- tooth shape prevents saw blade from overloading during work
- additionally saws equipped with silencing and anti-vibration holes

APPLICATION:

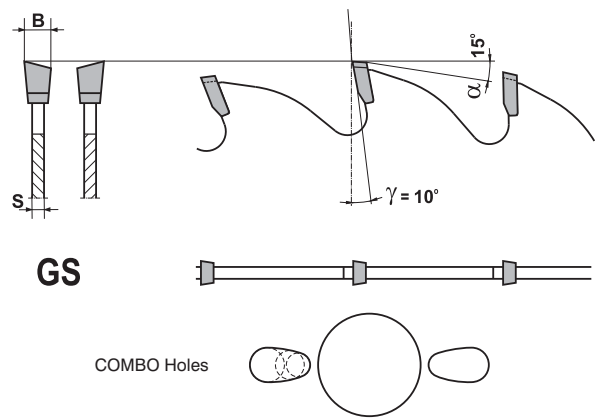
- saws designed for firewood cutting
- used on pendulum-cross-cutting saws
- used in households and trade companies selling firewood

INDEX								geometry		
	mm	mm	mm	mm					pcs	
PS015-0550-0001	550	30	4,2	3,0	32	W		2GS15	1	5900855155052
PS015-0600-0001	600	30	4,2	3,2	36	W		2GS15	1	5900855155069
PS015-0700-0002	700	30	4,2	3,2	42	W		2GS15	1	5900855153317
PS015-0750-0001	750	30	4,5	3,5	46	W		2GS15	1	5900855065092

PS210

HM-TIPPED SAW BLADES

for raw wood cross cutting



EXECUTION & TECHNICAL INFORMATION:

- appropriately selected teeth configuration and 10 rake, GS tip shape (alternate top bevel) enable obtaining optimal quality while cross cutting
- increased teeth number in a given tool diameter has impact on obtaining smooth surfaces of the cut material particularly in case of dry wood
- additionally the saws have grooves compensating temperature impact on disc tension fluctuation

APPLICATION:

- saws designed for soft and hard wood cutting
- saws can be used for ripping particularly in case of lower teeth number
- saws provide good quality of cut surfaces

INDEX									
	mm	mm	mm	mm			ixd/d _p	pcs	
○ PS210-0150-0003	150	30	2,7	1,6	26	–	–	1	5900855028660
PS210-0150-0002	150	30	3,2	2,0	36	–	–	1	5900855028653
○ PS210-0160-0003	160	30	2,7	1,6	18	–	–	1	5900855028745
PS210-0160-0004	160	30	2,7	1,6	26	–	–	1	5900855028752
PS210-0160-0005	160	30	2,7	1,6	36	–	–	1	5900855028769
○ PS210-0160-0001	160	30	3,2	2,0	36	–	–	1	5900855028721
PS210-0180-0001	180	30	2,7	1,6	26	–	–	1	5900855028806
PS210-0180-0002	180	30	2,7	1,6	30	–	–	1	5900855028813
○ PS210-0180-0011	180	32	3,2	2,0	48	–	–	1	5900855078085
PS210-0200-0001	200	30	2,7	1,6	24	2x7/42+2x8,5/46+2x10/60	–	1	5900855028882
PS210-0200-0006	200	30	3,0	1,8	24	2x7/42+2x8,5/46+2x10/60	–	1	5900855028936
PS210-0200-0002	200	30	2,7	1,6	34	2x7/42+2x8,5/46+2x10/60	–	1	5900855028899
PS210-0200-0007	200	30	3,0	1,8	34	2x7/42+2x8,5/46+2x10/60	–	1	5900855028943
PS210-0200-0003	200	30	2,7	1,6	44	2x7/42+2x8,5/46+2x10/60	–	1	5900855028905
PS210-0200-0004	200	30	3,0	1,8	44	2x7/42+2x8,5/46+2x10/60	–	1	5900855028912
PS210-0200-0008	200	30	2,7	1,6	64	2x7/42+2x8,5/46+2x10/60	–	1	5900855028950
PS210-0200-0005	200	30	3,0	1,8	64	2x7/42+2x8,5/46+2x10/60	–	1	5900855028929
PS210-0216-0001	216	30	3,2	2,2	72	–	–	1	5900855062466
PS210-0250-0006	250	30	3,2	2,0	24	2x7/42+2x8,5/46+2x10/60	–	1	5900855029131
PS210-0250-0009	250	30	2,7	1,6	30	2x7/42+2x8,5/46+2x10/60	–	1	5900855029162
PS210-0250-0007	250	30	3,2	2,0	30	2x7/42+2x8,5/46+2x10/60	–	1	5900855029148
PS210-0250-0004	250	30	2,7	1,6	42	2x7/42+2x8,5/46+2x10/60	–	1	5900855029117
PS210-0250-0001	250	30	3,2	2,0	42	2x7/42+2x8,5/46+2x10/60	–	1	5900855029087
PS210-0250-0005	250	30	2,7	1,6	54	2x7/42+2x8,5/46+2x10/60	–	1	5900855029124
PS210-0250-0008	250	30	3,2	2,0	54	2x7/42+2x8,5/46+2x10/60	–	1	5900855029155
PS210-0250-0010	250	30	2,7	1,6	72	2x7/42+2x8,5/46+2x10/60	–	1	5900855029179
PS210-0250-0002	250	30	3,2	2,0	72	2x7/42+2x8,5/46+2x10/60	–	1	5900855029094
PS210-0250-0003	250	30	3,2	2,0	80	2x7/42+2x8,5/46+2x10/60	–	1	5900855029100
○ PS210-0254-0001	254	30	3,2	2,2	24	–	–	1	5900855072366
PS210-0300-0005	300	30	3,4	2,2	36	2x7/42+2x8,5/46+2x10/60	–	1	5900855029308
PS210-0300-0001	300	30	3,2	2,2	48	2x7/42+2x8,5/46+2x10/60	–	1	5900855029261
PS210-0300-0006	300	30	3,4	2,2	52	2x7/42+2x8,5/46+2x10/60	–	1	5900855029315
PS210-0300-0003	300	30	3,4	2,2	68	2x7/42+2x8,5/46+2x10/60	–	1	5900855029285
PS210-0300-0007	300	30	3,2	2,2	72	2x7/42+2x8,5/46+2x10/60	–	1	5900855029322
○ PS210-0300-0013	300	60	4,0	2,8	8x6	–	–	1	5900855029384
PS210-0300-0002	300	30	3,2	2,2	96	2x7/42+2x8,5/46+2x10/60	–	1	5900855029278
PS210-0315-0001	315	30	2,7	1,6	36	2x7/42+2x8,5/46+2x10/60	–	1	5900855029414
PS210-0315-0002	315	30	3,4	2,2	36	2x7/42+2x8,5/46+2x10/60	–	1	5900855029421
PS210-0315-0018	315	30	3,4	2,2	48	–	–	1	5900855106603
PS210-0315-0005	315	30	2,7	1,6	52	2x7/42+2x8,5/46+2x10/60	–	1	5900855029452
PS210-0315-0003	315	30	3,4	2,2	52	2x7/42+2x8,5/46+2x10/60	–	1	5900855029438
PS210-0315-0004	315	30	2,7	1,6	68	2x7/42+2x8,5/46+2x10/60	–	1	5900855029445
PS210-0315-0007	315	30	3,4	2,2	68	2x7/42+2x8,5/46+2x10/60	–	1	5900855029476
PS210-0315-0006	315	30	3,2	2,0	96	2x7/42+2x8,5/46+2x10/60	–	1	5900855029469
PS210-0350-0001	350	30	3,6	2,5	32	2x7/42+2x8,5/46+2x10/60	–	1	5900855029513
PS210-0350-0002	350	30	3,6	2,5	42	2x7/42+2x8,5/46+2x10/60	–	1	5900855029520
PS210-0350-0024	350	30	3,6	2,5	54	–	–	1	5900855098656
PS210-0350-0003	350	30	3,6	2,5	60	2x7/42+2x8,5/46+2x10/60	–	1	5900855029537
○ PS210-0350-0020	350	60	3,6	2,5	60	–	–	1	5900855090636
PS210-0350-0005	350	30	3,6	2,5	78	2x7/42+2x8,5/46+2x10/60	–	1	5900855029551

Legend: d₂ – driver hole dia d_p – hole pitch dia ○ – to order. INFO: Saw blades PS210-0630-0001 have additional holes /cooling holes.

PS210

HM-TIPPED SAW BLADES

for raw wood cross cutting



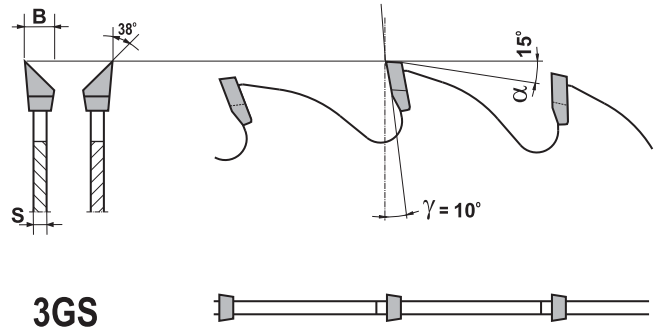
PS210-0350-0004	350	30	3,2	2,0	108	2x7/42+2x8,5/46+2x10/60	1	5900855029544
PS210-0355-0002	355	30	3,6	2,5	68	-	1	5900855072380
PS210-0400-0001	400	30	4,0	2,8	36	2x7/42+2x8,5/46+2x10/60	1	5900855029636
PS210-0400-0002	400	30	4,0	2,8	48	2x7/42+2x8,5/46+2x10/60	1	5900855029643
PS210-0400-0003	400	30	4,0	2,8	68	2x7/42+2x8,5/46+2x10/60	1	5900855029650
PS210-0400-0004	400	30	4,0	2,8	88	2x7/42+2x8,5/46+2x10/60	1	5900855029667
PS210-0400-0011	400	30	4,0	2,8	108	-	1	5900855058476
PS210-0450-0001	450	30	4,2	2,8	54	2x7/42+2x8,5/46+2x10/60	1	5900855029728
PS210-0450-0002	450	30	4,2	2,8	76	2x7/42+2x8,5/46+2x10/60	1	5900855029735
PS210-0500-0001	500	30	4,2	2,8	44	2x7/42+2x8,5/46+2x10/60	1	5900855029759
PS210-0500-0002	500	30	4,2	2,8	60	2x7/42+2x8,5/46+2x10/60	1	5900855029766
PS210-0500-0003	500	30	5,0	3,6	84	2x7/42+2x8,5/46+2x10/60	1	5900855029773
PS210-0630-0001	630	30	4,2	3,0	60	2x7/42+2x8,5/46+2x10/60	1	5900855029827

Legend: d_o – driver hole dia d_p – hole pitch dia – to order. INFO: Saw blades PS210-0630-0001 have additional holes /cooling holes.

PS320

HM-TIPPED SAW BLADES GLOTECH 3GS

for defects removing



EXECUTION & TECHNICAL INFORMATION:

- super hard carbide tips (ULTRAFINE) and special teeth geometry 3GS (bevelled) ensure very long tool life
- the sintered carbide sharpening process performed on CNC sharpening machines enables obtaining a wide range of teeth configuration and high smoothness of sharpened surfaces

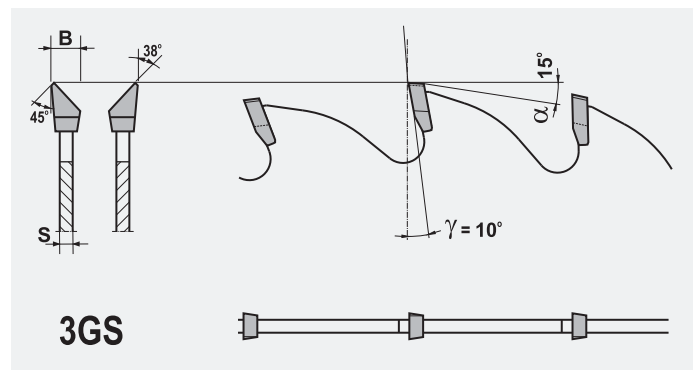
APPLICATION:

- wood cross cutting with wood knags removal by struck on special machines (plugging machine/optimising machine) with high feed rate

INDEX						geometry	$\oplus \ominus$		
	mm	mm	mm	mm			$i \times d_o / d_p$	pcs	
PS320-0450-0007	450	30	4,8	3,5	136	3GS10	2x15/63	1	5900855031127
PS320-0500-0008	500	30	4,8	3,5	144	3GS5	2x14,5/63	1	5900855066310

Legend: d_o – driver hole dia d_p – hole pitch dia – to order

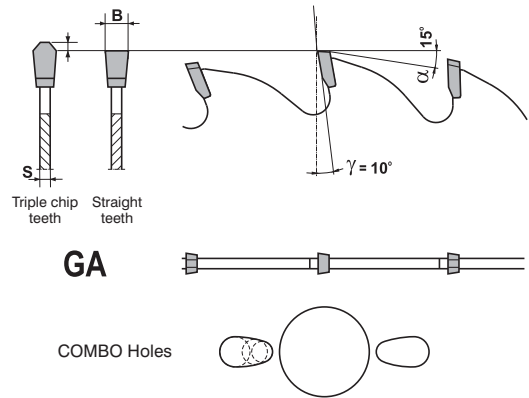
Other teeth geometry for saw blades:
Reinforced teeth geometry designed for cutting hard wood and wood with large defects.



PS310

HM-TIPPED SAW BLADES GLOTECH 2 GA

for cutting wood derived materials



EXECUTION & TECHNICAL INFORMATION:

- super hard carbide tips (ULTRAFINE) ensure very long tool life
- the sintered carbide sharpening process performed on CNC sharpening machines enables obtaining a wide range of teeth configuration and high smoothness of sharpened surfaces
- new, stable disc with new silencing slots guarantees more stability of the tool during work and significantly less noise
- new, optimal geometry of the tooth and the space between teeth enables better chip removal and guarantees a stable cutting process

APPLICATION:

- VERY GOOD quality of worked surfaces
- saws designed for sizing of wood derived panels with possibility to cut MDF panels
- panel cutting on vertical and horizontal sizing machines with mechanical and manual feed up to the material thickness: 3x18 mm=54 mm
- saws used with scoring saws

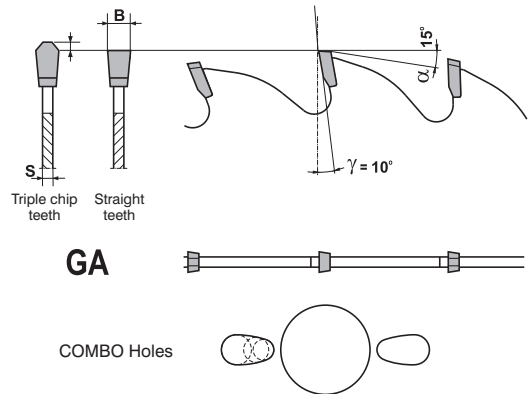
INDEX									
	mm	mm	mm	mm			ixd _o /d _p	pcs	
PS310-0216-0003	216	30	3,2	2,2	72	W		1	5900855057080
PS310-0250-0001	250	30	3,2	2,2	80		2x7/42+2x8,5/46+2x10/60	1	5900855029957
PS310-0250-0002	250	30	3,2	2,2	80	W	2x7/42+2x8,5/46+2x10/60	1	5900855029964
PS310-0300-0003	300	30	3,2	2,2	72		2x7/42+2x8,5/46+2x10/60	1	5900855030014
PS310-0300-0001	300	30	3,2	2,2	96		2x7/42+2x8,5/46+2x10/60	1	5900855029995
PS310-0300-0002	300	30	3,2	2,2	96	W	2x7/42+2x8,5/46+2x10/60	1	5900855030007
PS310-0315-0002	315	30	3,2	2,2	96	W	2x10/60	1	5900855030113
PS310-0350-0002	350	30	3,2	2,2	108	W	2x10/60	1	5900855030182

Legend: d_o – driver hole dia d_p – hole pitch dia W – silencing.

PS312

HM-TIPPED SAW BLADES MARATHON 2 GA

for cutting wood derived materials



EXECUTION & TECHNICAL INFORMATION:

- super hard carbide tips (NANOGRAIN) ensure very long tool life
- the sintered carbide sharpening process performed on CNC sharpening machines enables obtaining a wide range of teeth configuration and high smoothness of sharpened surfaces
- new, stable disc with new silencing slots guarantees more stability of the tool during work and significantly less noise
- new, optimal geometry of the tooth and the space between teeth enables better chip removal and guarantees a stable cutting process

APPLICATION:

- VERY GOOD quality of worked surfaces
- saws designed for sizing of MDF, HDF panels, fibreboards, homogeneous materials with possibility to cut chipboards
- panel cutting on vertical and horizontal sizing machines with mechanical and manual feed up to the material thickness: 3x18 mm=54 mm
- saws used with scoring saws

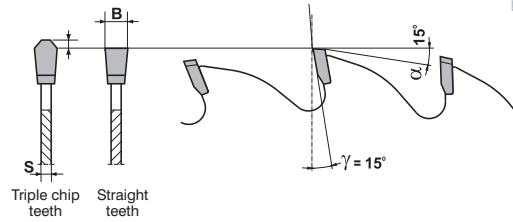
INDEX									
	mm	mm	mm	mm			ixd _o /d _p	pcs	
PS312-0250-0002	250	30	3,2	2,2	80	W	2x7/42+2x8,5/46+2x10/60	1	5900855093149
PS312-0300-0002	300	30	3,2	2,2	96	W	2x7/42+2x8,5/46+2x10/60	1	5900855101301
PS312-0350-0002	350	30	3,2	2,2	108	W	2x10/60	1	5900855093156

Legend: d_o – driver hole dia d_p – hole pitch dia W – silencing.

PS312

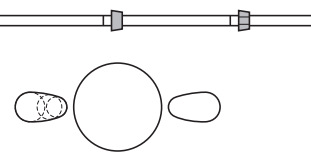
HM-TIPPED SAW BLADES PERFECTCUT GA15

for cutting wood derived materials



GA

COMBO Holes



EXECUTION & TECHNICAL INFORMATION:

- super hard carbide tips (NANOGRAIN) ensure very long tool life
- the sintered carbide sharpening process performed on CNC sharpening machines enables obtaining a wide range of teeth configuration and high smoothness of sharpened surfaces
- new, stable disc with new silencing slots guarantees more stability of the tool during work and significantly less noise
- new, optimal geometry of the tooth and the space between teeth enables better chip removal and guarantees a stable cutting process

APPLICATION:

- VERY GOOD quality of worked surfaces
- saws designed for sizing of MDF, HDF panels, fibreboards, homogeneous materials with possibility to cut chipboards
- particularly recommended for cutting furniture wood strips, providing great efficiency (number of cut meters / number of sharpenings) and high quality of cut edges
- panel cutting on horizontal sizing machines with mechanical and manual feed up to the material thickness: 25 mm
- saws used with scoring saws

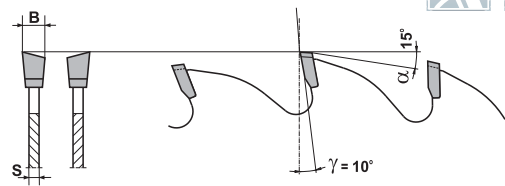
INDEX											
	mm	mm	mm	mm	1 2 3...			$i \times d_o / d_p$		pcs	
PS312-0300-0017	300	30	3,2	2,2	100	W	2x7/42+2x8,5/46+2x10/60			1	5900855145015

Legend: d_o – driver hole dia d_p – hole pitch dia W – silencing

PS320

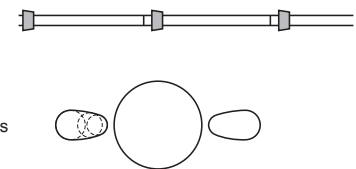
HM-TIPPED SAW BLADES GLOTECH 2 GS

for cutting wood derived materials



GS

COMBO Holes



EXECUTION & TECHNICAL INFORMATION:

- super hard carbide tips (ULTRAFINE) ensure very long tool life
- the use of high quality tool steel as well as specialized disc tensioning technology ensures proper saw rigidity while operation
- the sintered carbide sharpening process performed on CNC sharpening machines enables obtaining a wide range of teeth configuration and high smoothness of sharpened surfaces
- the disc has special cuts limiting noise level and special compensating grooves increasing warp resistance due to high temperature and load

APPLICATION:

- VERY GOOD and GOOD quality of worked surfaces
- saws designed for sizing of wood derived panels with foil or veneer and plywood
- particularly recommended for sizing of wood based panels with natural wood veneer
- saws used i.a. for panel cutting on vertical and horizontal sizing machines with mechanical and manual feed

INDEX											
	mm	mm	mm	mm	1 2 3...			$i \times d_o / d_p$		pcs	
PS320-0160-0002	160	20	2,2	1,4	56	–	–	–	–	1	5900855133470
PS320-0180-0003	180	30	2,4	1,6	56	–	–	–	–	1	5900855043915
PS320-0190-0001	190	30	2,5	1,6	56	–	–	–	–	1	5900855133487
PS320-0210-0007	210	30	2,5	1,6	60	–	–	–	–	1	5900855133494
PS320-0216-0003	216	30	2,8	1,8	72	–	–	–	–	1	5900855133500
PS320-0235-0002	235	30	2,8	1,8	80	–	–	–	–	1	5900855133517
PS320-0250-0003	250	30	3,2	2,2	80	W	2x7/42+2x8,5/46+2x10/60			1	5900855030557
PS320-0260-0002	260	30	2,8	1,8	84	–	–	–	–	1	5900855133524
PS320-0300-0003	300	30	3,2	2,2	48	W	2x7/42+2x8,5/46+2x10/60			1	5900855030601
PS320-0300-0005	300	30	3,2	2,2	72	W	2x7/42+2x8,5/46+2x10/60			1	5900855030625
PS320-0300-0001	300	30	3,2	2,2	96	W	2x7/42+2x8,5/46+2x10/60			1	5900855030588
PS320-0315-0001	315	30	3,2	2,2	96	W	2x7/42+2x8,5/46+2x10/60			1	5900855030717
PS320-0350-0003	350	30	3,2	2,2	54	–	–	–	–	1	5900855030793
PS320-0350-0004	350	30	3,2	2,2	54	W	2x7/42+2x8,5/46+2x10/60			1	5900855030809
PS320-0350-0001	350	30	3,2	2,2	84	–	–	–	–	1	5900855030779
PS320-0350-0002	350	30	3,2	2,2	84	W	2x7/42+2x8,5/46+2x10/60			1	5900855030786
PS320-0350-0005	350	30	3,2	2,2	108	W	2x7/42+2x8,5/46+2x10/60			1	5900855030816
PS320-0400-0002	400	30	3,5	2,5	96	W	2x7/42+2x8,5/46+2x10/60			1	5900855030939
PS320-0400-0003	400	30	4,0	2,8	68	W	2x7/42+2x8,5/46+2x10/60			1	5900855030946
PS320-0400-0010	400	30	4,0	2,8	120	–	–	–	–	1	5900855031011

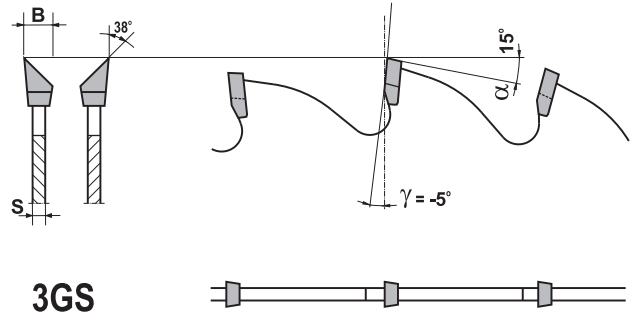
Legend: d_o – driver hole dia d_p – hole pitch dia W – silencing – to order

PS322

HM-TIPPED SAW BLADES MARATHON 2 3GS

batch cutting natural veneer materials and frames

NEW
IN OFFER



3GS

EXECUTION & TECHNICAL INFORMATION:

- super hard carbide tips (NANOGRAIN) ensure very long tool life
- the use of high quality tool steel as well as specialized disc tensioning technology guarantees proper saw rigidity while operation
- the sintered carbide sharpening process performed on CNC sharpening machines enables obtaining a wide range of teeth configuration and high smoothness of sharpened surfaces
- the disc has special cuts limiting noise level and special compensating grooves increasing warp resistance due to high temperature and load

APPLICATION:

- saws for cutting of natural veneers, veneer in batches, wood and wood derived strips and frames
- characterized by excellent surface after cutting and very good edge surface after blade exit
- saw blade are used for horizontal and vertical panel saws with mechanical and manual feed

INDEX									
	mm	mm	mm	mm	1 2 3...	$i \times d_o / d_p$		pcs	
PS322-0250-0001	250	30	3,2	2,2	80	2x7/42+2x8,5/46+2x10/60		1	5900855156127
PS322-0300-0003	300	30	3,2	2,2	96	2x7/42+2x8,5/46+2x10/60		1	5900855149686

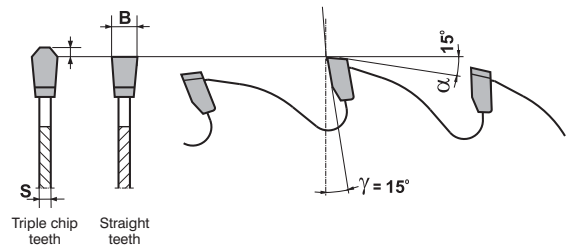
Legend: d_o – driver hole dia d_p – hole pitch dia

PS315

HM-TIPPED SAW BLADES MARATHON PLUS GA

for batch cutting wood derived materials

NEW
IN OFFER



GA

EXECUTION & TECHNICAL INFORMATION:

- super hard carbide tips (NANOGRAIN) ensure very long tool life
- increased life time due to the use of HM tip of a high volume increasing number of sharpenings
- the use of high quality tool steel as well as specialized disc tensioning technology ensures proper saw rigidity while operation
- the sintered carbide sharpening process performed on CNC sharpening machines enables obtaining a wide range of teeth configuration and high smoothness of sharpened surfaces
- new shape of compensation slots increasing the warp resistance due to high temperature and load
- possibility of production of disc with special new silencing cuts limiting the noise level

APPLICATION:

- GOOD quality of worked surfaces
- industrial cutting of wood derived panels (raw plywood, plywood with foil, MDF, HDF, LDF)
- cutting – sizing of wood derived boards with foil or veneer in batches – up to the batch thickness 100 mm (saw diameter from 400 mm)
- cutting – sizing of wood derived boards with foil or veneer in batches – above the batch thickness 100 mm (saw diameter above 400 mm)

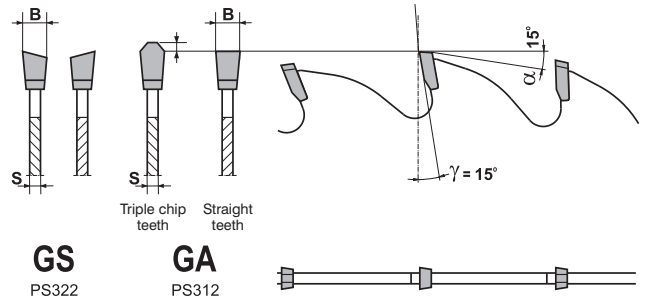
INDEX									
	mm	mm	mm	mm	1 2 3...	$i \times d_o / d_p$		pcs	
PS315-0380-0001	380	60	4,4	3,2	72	2x14/100+2x11/115+2x9/100		1	5900855168410
PS315-0400-0001	400	60	4,4	3,2	72	2x14/100+2x11/115+2x11/85		1	5900855168403
PS315-0420-0001	420	80	4,4	3,2	72	4x19/120+2x9/130+2x14/110		1	5900855168397
PS315-0450-0001	450	30	4,4	3,2	72	2x10/60+2x13/94		1	5900855168199
PS315-0460-0001	460	30	4,4	3,2	72	2x13/94		1	5900855168212

Legend: d_o – driver hole dia d_p – hole pitch dia – to order

PS312

HM-TIPPED SAW BLADES MARATHON 2 GA, GS

for batch cutting wood derived materials



EXECUTION & TECHNICAL INFORMATION:

- super hard carbide tips (NANOGRAIN) ensure very long tool life
- increased life time while pre-cutting layers of foil, laminate, varnish etc. of wood derived panels (MDF, HDF, LDF, OSB)
- the use of high quality tool steel as well as specialized disc tensoning technology ensures proper saw rigidity while operation
- the sintered carbide sharpening process performed on CNC sharpening machines enables obtaining a wide range of teeth configuration and high smoothness of sharpened surfaces
- the disc has special cuts limiting noise level and special compensating grooves increasing warp resistance due to high temperature and load

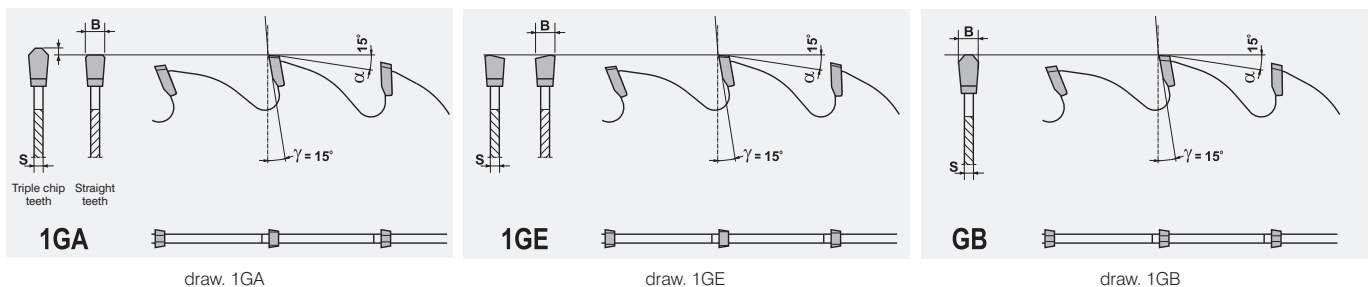
APPLICATION:

- GOOD quality of worked surfaces
- saws designed for sizing of wood derived panels with foil or veneer in batches – up to the batch thickness 100 mm (saw diameter from 400 mm)
- saws designed for sizing of wood derived panels with foil or veneer in batches – above the batch thickness 100 mm (saw diameter above 400 mm)

INDEX						geometry				
	mm	mm	mm	mm				$i \times d_s / d_p$	pcs	
PS312-0305-0001	305	30	4,4	3,0	60	GA15	W	$2 \times 7/42 + 2 \times 8,5/46 + 2 \times 10/60$	1	5900855107167
PS312-0350-0003	350	30	4,4	3,0	72	GA15	W	$2 \times 10/60$	1	5900855107181
PS312-0350-0004	350	75	4,4	3,0	72	GA15	W	–	1	5900855107198
PS322-0350-0001	350	60	4,8	3,0	66	GS15			1	5900855157384
PS312-0355-0001	355	75	4,4	3,0	72	GA15	W	–	1	5900855107310
PS312-0355-0002	355	80	4,4	3,0	72	GA15	W	$4 \times 8,5/100 + 2 \times 14/110 + 2 \times 7/110$	1	5900855107327
PS312-0380-0001	380	60	4,4	3,2	72	GA15	–	$2 \times 14/100 + 2 \times 11/115 + 2 \times 9/100$	1	5900855107662
PS312-0380-0002	380	60	4,8	3,5	72	GA15	–	$2 \times 14/100 + 2 \times 11/115$	1	5900855107686
PS312-0400-0002	400	30	4,4	3,2	72	GA15	–	$2 \times 10/60$	1	5900855107679
PS312-0400-0003	400	60	4,4	3,2	72	GA15	–	$2 \times 14/100 + 2 \times 11/115 + 2 \times 11/85$	1	5900855107693
PS312-0420-0001	420	80	4,4	3,2	72	GA15	–	$4 \times 19/120 + 2 \times 9/130$	1	5900855107709
PS312-0450-0002	450	30	4,4	3,2	72	GA15	–	$2 \times 10/60$	1	5900855107716
PS312-0450-0003	450	60	4,8	3,2	72	GA15	–	$4 \times 11/85 + 2 \times 10/80 + 2 \times 14/125$	1	5900855107723
PS312-0450-0004	450	80	4,8	3,5	72	GA15	–	$4 \times 19/120 + 2 \times 9/130$	1	5900855107754
PS312-0480-0001	480	30	4,8	3,5	72	GA15	–	$2 \times 10/60$	1	5900855107761

Legend: d_s – driver hole dia d_p – hole pitch dia W – silencing.

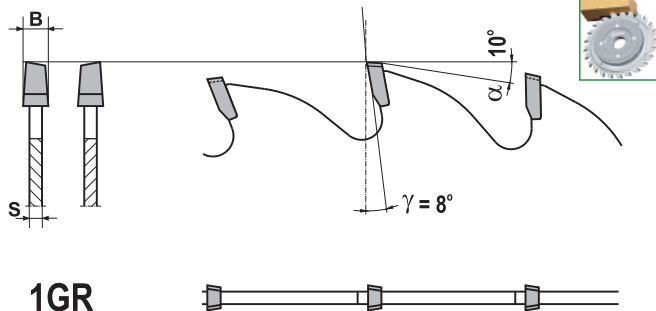
Teeth geometry in saw blades MARATHON PS312 and PS315 for batch cutting possible:



PS627

HM-TIPPED CONICAL SCORING SAW BLADES MARATHON 2 1GR

for pre-cutting wood derived materials



EXECUTION & TECHNICAL INFORMATION:

- super hard carbide tips (NANOGRAIN) ensure very long tool life
- optimal selected teeth geometry 1GR 8° (conical scoring saw)
- used in machines with continuous adjustment of scoring saw position

APPLICATION:

- pre-cutting layers of foil, laminate, varnish etc. of wood derived materials (MDF, HDF, LDF, OSB)

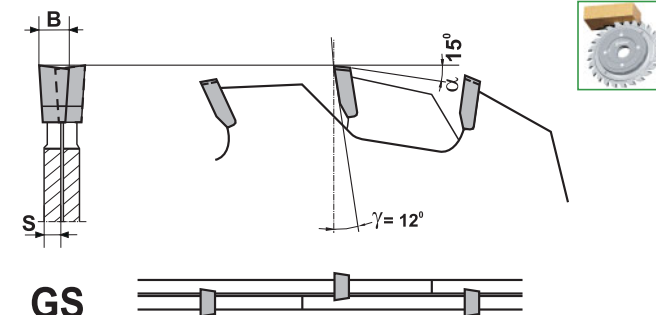
INDEX								
	mm	mm	mm	mm	1 2 3...	$i \times d_c / d_p$	pcs	
PS627-0080-0001	80	20	3,2÷4,2	2,2	16	-	1	5900855099288
PS627-0100-0003	100	20	3,2÷4,2	2,2	20	-	1	5900855099295
PS627-0100-0004	100	22	3,2÷4,2	2,2	20	-	1	5900855099301
PS627-0125-0003	125	20	3,2÷4,2	2,2	24	-	1	5900855099318
PS627-0125-0009	125	20	3,1÷4,1	2,2	24	-	1	5900855099325
PS627-0125-0012	125	20	4,4÷5,4	3,5	24	-	1	5900855107563
PS627-0125-0013	125	45	4,4÷5,4	3,5	20	-	1	5900855107570
PS627-0150-0002	150	20	3,2÷4,2	2,2	24	-	1	5900855133586
PS627-0150-0003	150	30	3,2÷4,2	2,2	24	-	1	5900855133593
PS627-0160-0001	160	55	4,4÷5,4	3,5	36	3x7/66	1	5900855107587
PS627-0180-0001	180	20	4,4÷5,4	3,5	30	-	1	5900855107594
PS627-0180-0002	180	30	4,4÷5,4	3,5	30	2x10/60	1	5900855107600
PS627-0180-0003	180	45	4,4÷5,4	3,5	36	-	1	5900855107617
PS627-0180-0004	180	45	4,8÷5,8	3,5	36	-	1	5900855107624
PS627-0180-0005	180	55	5,2÷6,2	3,5	36	-	1	5900855107631
PS627-0200-0002	200	20	4,4÷5,4	3,5	36	-	1	5900855107648
PS627-0200-0003	200	65	4,8÷5,8	3,5	36	2x9/110+2x9/100	1	5900855107655

Legend: d_c – driver hole dia d_p – hole pitch dia ○ – to order

PS646

HM-TIPPED SEGMENTAL SCORING SAW BLADES GLOTECH GS

for pre-cutting wood derived materials



EXECUTION & TECHNICAL INFORMATION:

- segmental scoring saw – teeth geometry GS 12°
- super hard carbide tips ensure extended saw blade life

APPLICATION:

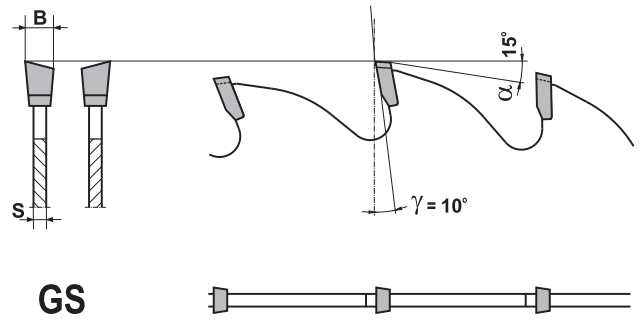
- saws used for pre-cutting layers of foil, laminate, varnish etc. of wood derived materials (chipboards, fiberboard, plywood, MDF, HDF)

INDEX						
	mm	mm	mm	1 2 3...	pcs	
PS646-0080-0001	80	20	2,8÷3,6	2x10	2	5900855076104
PS646-0100-0001	100	20	2,8÷3,6	2x12	2	5900855074391
PS646-0100-0002	100	22	2,8÷3,6	2x12	2	5900855074407
PS646-0120-0001	120	20	2,8÷3,6	2x12	2	5900855074414
PS646-0120-0002	120	22	2,8÷3,6	2x12	2	5900855074421
PS646-0125-0001	125	20	2,8÷3,6	2x12	2	5900855076128
PS646-0125-0002	125	22	2,8÷3,6	2x12	2	5900855076135

PS670

HM-TIPPED SAW BLADES GS10 KOLIBER TYPE

for power tools



EXECUTION & TECHNICAL INFORMATION:

- laser cut disc from high quality, thermally improved steel providing high tool rigidity
- special sintered carbides ensure long saw blade life and enable multiple sharpening
- wide range of dimensions – diameters from 130 mm up to 230 mm for most of the power tools available on the market

APPLICATION:

- saws designed for all standard wood and wood derived materials processing
- specially selected teeth configuration and GS 10° tip shape (alternate top bevel) enable obtaining excellent quality of cut surfaces of the processed materials

INDEX								
	mm	mm	mm	mm	1 2 3...	for power tools	pcs	
PS670-0130-0001	130	16	2,2	1,2	24	BOSCH PKS 40, SKIL 5240E	1	5900855033824
PS670-0130-0002	130	20	2,2	1,2	24	BOSCH PKS 40, SKIL 5240E, 5240A	1	5900855072427
PS670-0140-0001	140	12,7	2,7	1,6	24	BLACK&DECKER KS40	1	5900855033831
PS670-0150-0002	150	30	2,7	1,6	26	DEWALT DW351	1	5900855072434
PS670-0160-0001	160	16	2,7	1,6	28	BOSCH PKS 54, BOSCH PKS 54 CE, PERLES KS 55	1	5900855033855
PS670-0160-0002	160	20	2,7	1,6	28	BOSCH GKS 55 CE, MILWAUKEE CS55, Metabo KS 54 SP, Metabo KSE 55 Plus, PROTOOL CSP 55-2, FESTOOL TS 55 EBQ	1	5900855033862
PS670-0160-0003	160	30	2,7	1,6	28	FESTOOL AU 50, AUP 50, AAU, MAFELL KS 320,	1	5900855072441
PS670-0165-0001	165	20	2,7	1,6	28	FERM FKS-165L, MAKITA 5604R, DEWALT D23550, DWT HKS-160 VS, HITACHI C6BU2, HITACHI C6U2	1	5900855033879
PS670-0180-0001	180	20	2,7	1,6	30	EINHELIN BHS 66/1, EINHELIN HK-PG 66/1	1	5900855033893
PS670-0180-0002	180	30	2,7	1,6	30	Bosch 550; Festo AU60S, AU55S, AUT60S; Hitachi C78U, C7U; Mafell Erika 55	1	5900855033909
PS670-0184-0001	184	30	2,7	1,6	26	MAKITA 4131, DEWALT DW62K, DEWALT D23620, EINHELIN HKL-G1400 SET, FERM FDCCS-185, FERM FKS-185L, HITACHI C7BU, C7U	1	5900855072335
PS670-0184-0002	184	30	2,7	1,6	34	MAKITA 4131, DEWALT DW62K, DEWALT D23620, EINHELIN HKL-G1400 SET, FERM FDCCS-185, FERM FKS-185L, HITACHI C7BU, C7U	1	5900855072342
PS670-0190-0004	190	30	2,7	1,6	24	BOSCH GKS 65 CE, MAKITA 5705R, HITACHI C7BU2, DEWALT D23650K, Metabo KSE 68 Plus, PROTOOL CSP 68 EB, FESTOOL AP 65, MILWAUKEE SCS 65 Q, DWT HKS-190 VS, Celma DBRCc	1	5900855072410
PS670-0190-0001	190	30	2,7	1,6	32	BOSCH GKS 65 CE, MAKITA 5705R, HITACHI C7BU2, DEWALT D23650K, Metabo KSE 68 Plus, PROTOOL CSP 68 EB, FESTOOL AP 65, MILWAUKEE SCS 65 Q, DWT HKS-190 VS, Celma DBRCc	1	5900855033916
PS670-0200-0001	200	30	2,7	1,6	24	HITACHI C9U, METABO KS85, PERLES KS170, FESTOOL TS75EBQ	1	5900855033947
PS670-0200-0002	200	30	2,7	1,6	36	HITACHI C9U, METABO KS85, PERLES KS170, FESTOOL TS75EBQ	1	5900855072359
PS670-0210-0001	210	30	2,7	1,6	34	BLACK&DECKER KS 810, DWT HKS-210 VS, FESTOOL TS 75 EBQ, MILWAUKEE CS 75, REBI RZ 2-70-2	1	5900855033954
PS670-0210-0002	210	35	2,7	1,6	34	BLACK&DECKER KS 810, DWT HKS-210 VS, FESTOOL TS 75 EBQ, MILWAUKEE CS 75, REBI RZ 2-70-3	1	5900855072458
PS670-0230-0001	230	30	2,7	1,6	36	FESTOOL CS 70, Metabo KS 85	1	5900855033961

Legend:
INFO:

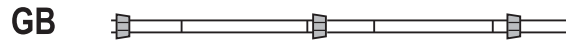
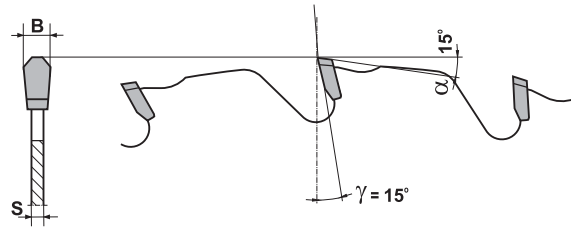
○ – to order

Producers of sawing machines can modify their products during the validity of this offer. Therefore we request you to check the type of sawing machine before order placing (especially outer diameter and bore diameter).

PS675

HM-TIPPED SAW BLADES GB15 BRYTAN TYPE

for power tools



EXECUTION & TECHNICAL INFORMATION:

- laser cut disc from high quality, thermally improved steel providing high tool rigidity
- special sintered carbides ensure long saw blade life and enable multiple sharpening
- wide range of dimensions – diameters from 150 mm up to 230 mm for most of the power tools available on the market

APPLICATION:

- universal saws for building industry
- **special construction of the saw enables cutting of wood and wood derived materials with mortar remains embedded with steel like nails etc.**

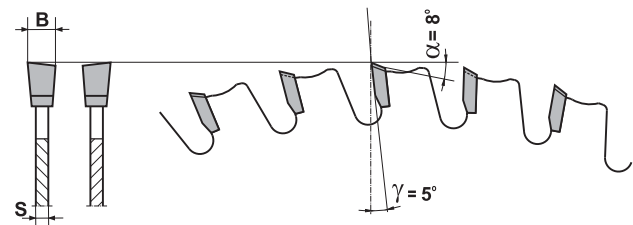
INDEX								
	mm	mm	mm	mm		for power tools	pcs	
PS675-0160-0001	160	20	2,7	1,6	12	BOSCH GKS 55 CE, MILWAUKEE CS55, Metabo KS 54 SP, Metabo KSE 55 Plus, PROTOOL CSP 56 EQ, PROTOOL CSP 55-2, FESTOOL TS 55 EBQ	1	5900855033992
PS675-0180-0001	180	30	2,7	1,6	12	Bosch 550; Festo AU60S, AU55S, AUT60S; Hitachi C78U, C7U; Mafell Erika 55	1	5900855034036
PS675-0190-0003	190	30	2,7	1,6	14	BOSCH GKS 65 CE, MAKITA 5705R, HITACHI C7BU2, DEWALT D23650K, Metabo KSE 68 Plus, PROTOOL CSP 68 EB, FESTOOL AP 65, MILWAUKEE SCS 65 Q, DWT HKS-190 VS, Celma DBRCc	1	5900855034074
PS675-0200-0001	200	30	2,7	1,6	16	HITACHI C9U, METABO KS85, PERLES KS170, FESTOOL TS75EBQ	1	5900855034081
PS675-0210-0001	210	30	2,7	1,6	16	BLACK&DECKER KS 810, DWT HKS-210 VS, FESTOOL TS 75 EBQ, MILWAUKEE CS 75, REBI RZ 2-70-2	1	5900855034098
PS675-0230-0001	230	30	2,7	1,6	16	FESTOOL CS 70, Metabo KS 85	1	5900855034104

INFO: Producers of sawing machines can modify their products during the validity of this offer. Therefore we request you to check the type of sawing machine before order placing (especially outer diameter and bore diameter).

PS680

HM-TIPPED SAW BLADES GS5 OSA TYPE

for power tools



EXECUTION & TECHNICAL INFORMATION:

- laser cut disc from high quality, thermally improved steel providing high tool rigidity
- special sintered carbides ensure long saw blade life and enable multiple sharpening
- wide range of dimensions – diameters from 160 mm up to 230 mm for most of the power tools available on the market

APPLICATION:

- universal saws ensuring high quality cutting
- special, alternate top bevel, 1GS 5° toothing enables cutting layer boards, polycarbonate boards, PVC profiles, as well as sections from steel plate and non ferrous metals (Alu, Cu)

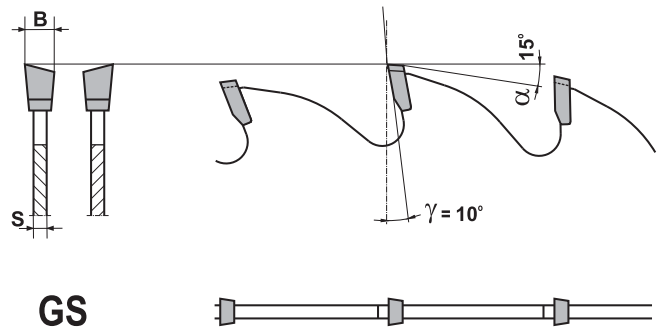
INDEX								
	mm	mm	mm	mm		for power tools	pcs	
PS680-0160-0002	160	16	2,7	1,6	32	BOSCH PKS 54, BOSCH PKS 54 CE, PERLES KS 55	1	5900855034128
PS680-0160-0001	160	20	2,7	1,6	32	BOSCH GKS 55 CE, MILWAUKEE CS55, Metabo KS 54 SP, Metabo KSE 55 Plus, PROTOOL CSP 56 EQ, PROTOOL CSP 55-2, FESTOOL TS 55 EBQ	1	5900855034111
PS680-0180-0001	180	20	2,7	1,6	36	EINHELIN BHS 66/1, EINHELIN HK-PG 66/1	1	5900855034135
PS680-0190-0001	190	30	2,7	1,6	40	BOSCH GKS 65 CE, MAKITA 5705R, HITACHI C7BU2, DEWALT D23650K, Metabo KSE 68 Plus, PROTOOL CSP 68 EB, FESTOOL AP 65, MILWAUKEE SCS 65 Q, DWT HKS-190 VS, Celma DBRCc	1	5900855034159
PS680-0200-0001	200	30	2,7	1,6	42	HITACHI C9U, METABO KS85, PERLES KS170, FESTOOL TS75EBQ	1	5900855034180
PS680-0210-0001	210	30	2,7	1,6	42	BLACK&DECKER KS 810, DWT HKS-210 VS, FESTOOL TS 75 EBQ, MILWAUKEE CS 75, REBI RZ 2-70-2	1	5900855034197
PS680-0230-0001	230	30	2,7	1,6	44	FESTOOL CS 70, Metabo KS 85	1	5900855034203

INFO: Producers of sawing machines can modify their products during the validity of this offer. Therefore we request you to check the type of sawing machine before order placing (especially outer diameter and bore diameter).

PS673

HM-TIPPED SAW BLADES SET2 TYPE

for power tools



EXECUTION & TECHNICAL INFORMATION:

- laser cut grooves reduce vibrations and compensate the influence of temperature on disc
- bigger sintered carbide means higher number of sharpenings and longer tool life

APPLICATION:

- saws designed for all standard types of processing of soft and hard raw wood

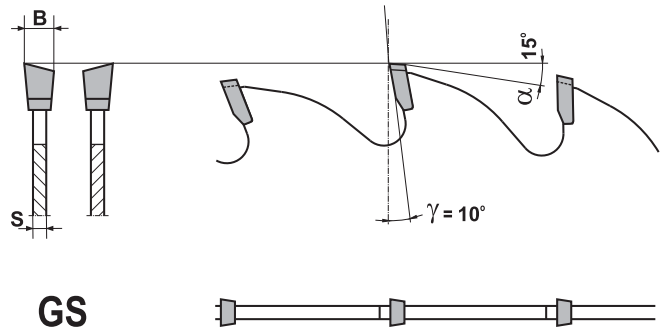
INDEX								
	mm	mm	mm	mm			pcs	
PS673-0160-0001	160	30/20/16	2,7	1,6	24	AEG K55, K55S, Bosch PKS54, PKS54CE, GKS160, GKS55, Dewalt D23550-QS, D23550, DWT HKS-160VS, HKS-160, Festool AP55EB-PLUS, Hitachi C6U2, C6BU2, 5604R, Makita 5603R, 5604R, 5621RDWA, Metabo KS54, KSE55PLUS, Milwaukee HD18CS, V18CS, Perles KS55, Protool SCP56EQ, SCP56Q, CSP55-2, CSP56-2EB, Skil 5750AD	1	5900855139441
PS673-0160-0002	160	30/20/16	2,7	1,6	36	AEG K55, K55S, Bosch PKS54, PKS54CE, GKS160, GKS55, Dewalt D23550-QS, D23550, DWT HKS-160VS, HKS-160, Festool AP55EB-PLUS, Hitachi C6U2, C6BU2, 5604R, Makita 5603R, 5604R, 5621RDWA, Metabo KS54, KSE55PLUS, Milwaukee HD18CS, V18CS, Perles KS55, Protool SCP56EQ, SCP56Q, CSP55-2, CSP56-2EB, Skil 5750AD	1	5900855139458
PS673-0180-0001	180	30/20/16	2,7	1,6	30	AEG K66S, Black&Decker KS64, Bosch PKS66CE, GKS65, Dewalt D23620K-QS, D23650K-QS, DWT HKS-190, Hitachi C7BU, C7U, CLBU, Kress CHKS6066, Makita 5704R, 5705R, Metabo KS66, Perles KS68, Protool CSP68C, Skil 5166AC	1	5900855139465
PS673-0184-0001	184	30/20/16	2,7	1,6	40	AEG K66S, Black&Decker KS64, Bosch PKS66CE, GKS65, Dewalt D23620K-QS, D23650K-QS, DWT HKS-190, Hitachi C7BU, C7U, CLBU, Kress CHKS6066, Makita 5704R, 5705R, Metabo KS66, Perles KS68, Protool CSP68C, Skil 5166AC	1	5900855139472
PS673-0190-0001	190	30/20/16	2,7	1,6	40	AEG K66S, Black&Decker KS1500LK, KS1400L, KS1300, KS64, Bosch PKS66CE, GKS65CE, Dewalt D23650K, D23650K-QS, DWT HKS-190VS, Hitachi C7U2, CLBU, C7MFA, C7BU2, C7MFA, Kress CHKS6066, 1500KS, Makita 5704R, 5705R, Metabo KS1468S, KS66, Perles KS68, Protool CSP68C, CSP68-2EB, Skil 5166AC, 5366AA, 5366AB, 5866AA	1	5900855139489
PS673-0200-0001	200	30/20/16	2,7	1,6	24	Bosch GKS85, Celma DBRCc67, Dewalt D23700-QS, Festool TS75EBQ, Hitachi C9U, C9U2, C9BU2, Makita 5008MG, 5903, 5104R, Metabo KS85, Perles KS170	1	5900855139496
PS673-0200-0002	200	30/20/16	2,7	1,6	40	Bosch GKS85, Celma DBRCc67, Dewalt D23700-QS, Festool TS75EBQ, Hitachi C9U, C9U2, C9BU2, Makita 5008MG, 5903, 5104R, Metabo KS85, Perles KS170	1	5900855139502

INFO: Producers of sawing machines can modify their products during the validity of this offer. Therefore we request you to check the type of sawing machine before order placing (especially outer diameter and bore diameter).

PS320

HM-TIPPED SAW BLADES GLOTECH Electro TYPE

for power tools and miter saws



EXECUTION & TECHNICAL INFORMATION:

- laser cut disc made of thermally improved high quality tool steel guarantees high tool rigidity
- super hard carbide tips (ULTRAFINE) ensure very long tool life
- diameter range from 160 mm up to 260 mm, available for most power tools on the market

APPLICATION:

- saw blades designed for cutting foiled and veneered wood derived boards and plywood with thickness up to 30 mm
- used for power tools like: hand sawing machines, miter saws
- specially profiled tooth form and edge GS 10° (alternate top bevel) enable good quality of cut surface

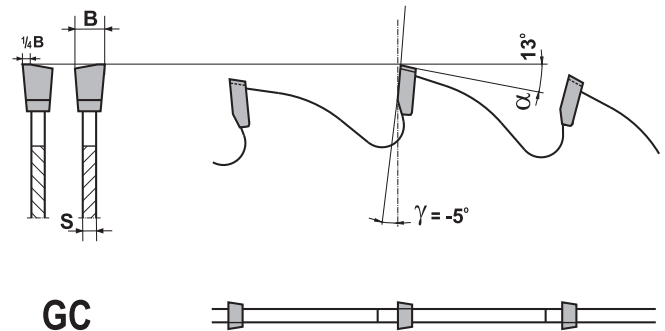
INDEX							for power tools		
	mm	mm	mm	mm				pcs	
PS320-0160-0002	160	20	2,2	1,4	56		BOSCH GKS 55 CE, MILWAUKEE CS55, Metabo KS 54 SP, Metabo KSE 55 Plus, PROTOOL CSP 56 EQ, PROTOOL CSP 55 - 2, FESTOOL TS 55 EBQ	1	5900855133470
PS320-0180-0003	180	30	2,4	1,6	56		BOSCH GKS 65 CE, MAKITA 5705R, HITACHI C7BU2, DEWALT D23650K, Metabo KSE 68 Plus	1	5900855043915
PS320-0190-0001	190	30	2,5	1,6	56		BOSCH GKS 65 CE, MAKITA 5705R, HITACHI C7BU2, DEWALT D23650K, Metabo KSE 68 Plus, PROTOOL CSP 68 EB, FESTOOL AP 65, MILWAUKEE SCS 65 Q, DWT HKS-190 VS, Celma DBRCc	1	5900855133487
PS320-0210-0007	210	30	2,5	1,6	60		BLACK&DECKER KS 810, DWT HKS-210 VS, FESTOOL TS 75 EBQ, MILWAUKEE CS 75, REBI RZ 2-70-2	1	5900855133494
PS320-0216-0003	216	30	2,8	1,8	72		BLACK&DECKER KS 810, DWT HKS-210 VS, FESTOOL TS 75 EBQ, MILWAUKEE CS 75, REBI RZ 2-70-2	1	5900855133500
PS320-0235-0002	235	30	2,8	1,8	80		FESTOOL CS 70, Metabo KS 85	1	5900855133517
PS320-0260-0002	260	30	2,8	1,8	84		MAKITA LS1013	1	5900855133524

INFO: Producers of sawing machines can modify their products during the validity of this offer. Therefore we request you to check the type of sawing machine before order placing (especially outer diameter and bore diameter).

PS682

HM-TIPPED SAW BLADES STEEL-TECH Electro TYPE

for power tools



EXECUTION & TECHNICAL INFORMATION:

- laser cut disc from high quality, thermally improved steel providing high tool rigidity and accurate execution
- special sintered carbides ensure long saw blade life and enable multiple sharpening
- range of dimensions suitable for most of the power tools available on the market

APPLICATION:

- circular saws for cold cutting of metal guarantee no burns at the cutting edge
- series designed for cutting elements made of constructional steel like: pipes, profiles, trapezoidal metal sheets with thickness up to 3 mm
- cutting mild constructional steel

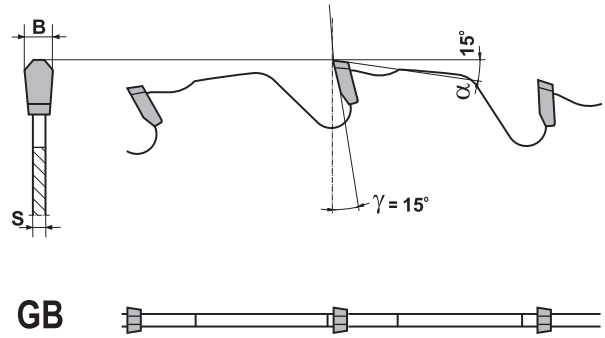
INDEX							for power tools		
	mm	mm	mm	mm				pcs	
PS682-0160-0001	160	20	2,0	1,4	40		BOSCH GKS 55 CE, MILWAUKEE CS55, Metabo KS 54 SP, Metabo KSE 55 Plus, PROTOOL CSP 56 EQ, PROTOOL CSP 55-2, FESTOOL TS 55 EBQ	1	5900855113045
PS682-0185-0001	185	30	2,0	1,4	48		MAKITA 4131, DEWALT DW62K, DEWALT D23620, EINHELIN HKL-G1400 SET, FERM FDGS-185, FERM FKS-185L, HITACHI C7BU	1	5900855108706
PS682-0200-0001	200	30	2,0	1,4	50		HITACHI C9U, METABO KS85, PERLES KS170, FESTOOL TS 75 EBQ	1	5900855108713
PS682-0210-0001	210	30	2,0	1,4	50		BLACK&DECKER KS 810, DWT HKS-210 VS, FESTOOL TS 75 EBQ, MILWAUKEE CS 75, REBI RZ 2-70-3	1	5900855113052

INFO: Producers of sawing machines can modify their products during the validity of this offer. Therefore we request you to check the type of sawing machine before order placing (especially outer diameter and bore diameter).

PS685

HM-TIPPED SAW BLADES GB15 BRYTAN MAX TYPE

for table machines



EXECUTION & TECHNICAL INFORMATION:

- laser cut disc from high quality, thermally improved steel providing high tool rigidity, ensures high precision in execution and rigidity during working
- special sintered carbides ensure long saw blade life and enable multiple sharpening
- range of BRYTAN MAX dimensions – diameters from 300 mm up to 450 mm

APPLICATION:

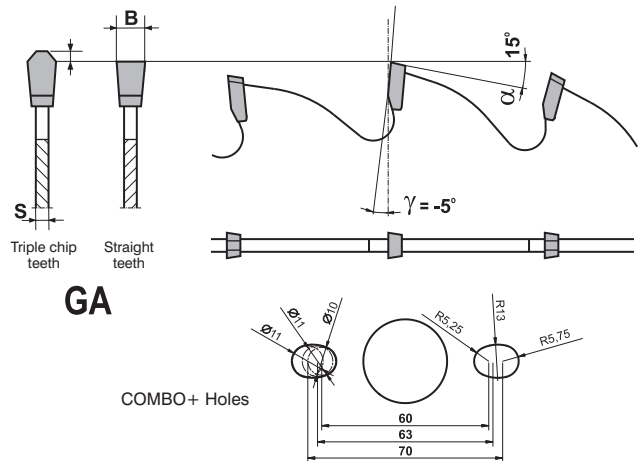
- universal saws for building industry, perfect on building grounds
- special construction of the saw enables cutting of wood and wood derived materials **with mortar remains embedded with steel like nails etc.**

INDEX							
	mm	mm	mm	mm		pcs	
PS685-0300-0002	300	30	3,2	2,2	24	1	5900855133760
PS685-0350-0001	350	30	3,6	2,5	28	1	5900855034227
PS685-0400-0001	400	30	4,0	2,8	32	1	5900855034234
PS685-0450-0001	450	30	4,0	2,8	36	1	5900855034241

PS415

HM-TIPPED SAW BLADES ALUEX (GA -5°)

for Alu and PVC profiles cutting



EXECUTION & TECHNICAL INFORMATION:

- high precision in disc execution
- specially selected sintered carbide and **tooth form GA -5°** (tapered and flat) ensure long saw blade life and very high cutting quality
- vast possibilities of sintered carbide sharpening enable solving problems with cutting and meet high quality demands
- silenced saw blades

APPLICATION:

- saws designed for cutting of Alu (soft – extruded) sections with the wall thickness up to 3 mm and PVC profiles

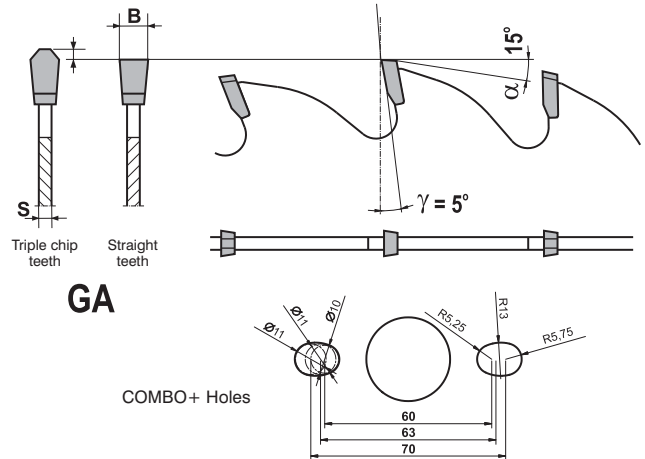
INDEX										
	mm	mm	mm	mm						
PS415-0160-0002	160	20	2,5	1,8	56					
PS415-0160-0004	160	30	2,5	1,8	56					
PS415-0180-0003	180	30	2,5	1,8	54					
PS415-0200-0008	200	30	2,2	1,6	100					
PS415-0200-0004	200	30	2,5	1,8	60					
PS415-0200-0001	200	30	3,0	2,5	60	Cu	2x10/60	1	5900855100076	5900855100120
PS415-0200-0006	200	32	2,2	1,6	100					
PS415-0216-0001	216	30	2,8	2,2	72	Cu	2x10/60	1	5900855100137	5900855100175
PS415-0250-0009	250	30	2,2	1,6	100					
PS415-0250-0002	250	30	3,2	2,5	80	Cu	2x10/60	1	5900855100144	5900855100175
PS415-0250-0006	250	32	2,2	1,6	100					
PS415-0300-0002	300	30	3,2	2,5	96	Cu	2x10/60	1	5900855100151	5900855100168
PS415-0315-0003	315	30	3,2	2,5	96	Cu	2x10/60	1	5900855100168	5900855100175
PS415-0330-0002	330	30	3,4	2,8	96	Cu	2x10/60	1	5900855100175	5900855100182
PS415-0350-0002	350	30	3,2	2,5	108	Cu	2x10/60	1	5900855100182	5900855100205
PS415-0350-0005	350	30	3,6	3,0	108	Cu	2x10/60	1	5900855100205	5900855100274
PS415-0350-0001	350	32	3,2	2,5	108	Cu		1	5900855100274	5900855100281
PS415-0380-0001	380	32	4,0	3,4	108	Cu		1	5900855100281	5900855100298
PS415-0400-0002	400	30	4,0	3,4	96	Cu	2x10/60	1	5900855100298	5900855100304
PS415-0400-0006	400	30	4,0	3,4	108	Cu	2x10/60	1	5900855100304	5900855100311
PS415-0400-0003	400	30	4,0	3,4	120	Cu	2x10/60	1	5900855100311	5900855100328
PS415-0450-0001	450	30	4,0	3,4	108	Cu	2x10/60	1	5900855100328	5900855114776
PS415-0500-0043	500	30	4,8	3,6	144	Cu	2x10/60 + 2x11/63 + 2x11/74	1	5900855114776	5900855100335
PS415-0500-0001	500	30	4,0	3,4	160	Cu	2x10/60 + 2x11/63 + 2x11/70	1	5900855100335	5900855100342
PS415-0500-0003	500	30	4,2	3,6	120	Cu	2x10/60 + 2x11/63 + 2x11/72	1	5900855100342	5900855115797
PS415-0550-0110	550	30	4,4	3,2	160	Cu	2x10/60 + 2x11/63 + 2x11/85	1	5900855115797	5900855100526
PS415-0600-0001	600	30	4,4	3,8	160	Cu	2x10/60	1	5900855100526	

Legend: d_s – driver hole dia d_p – hole pitch dia. Silencing with Cu pins.

PS415

HM-TIPPED SAW BLADES ALUEX (GA +5°)

for Alu and PVC profiles cutting



EXECUTION & TECHNICAL INFORMATION:

- high precision in disc execution
- specially selected sintered carbide and **tooth form GA +5°** (tapered and flat) ensure long saw blade life and very high cutting quality
- vast possibilities of sintered carbide sharpening enable solving problems with cutting and meet high quality demands
- silenced saw blades

APPLICATION:

- saws designed for cutting of Alu (soft – extruded) sections with the wall thickness up to 5 mm and PVC profiles**
- required appropriate clamping of the processed material during operation

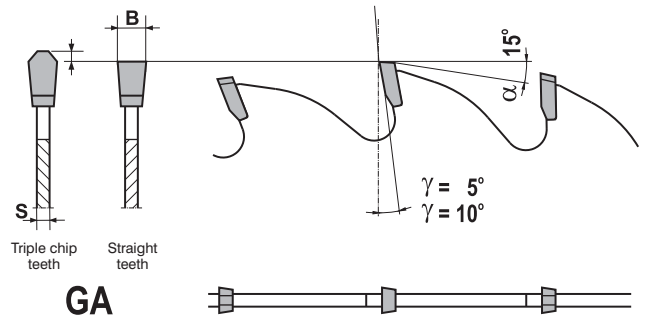
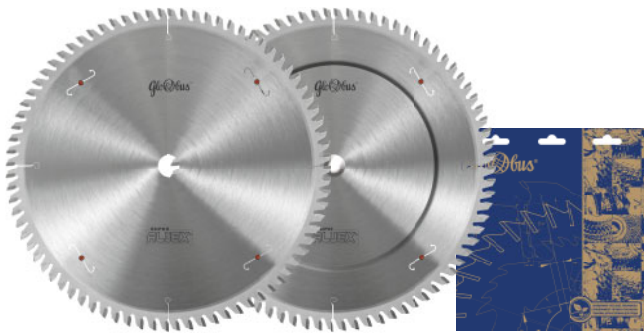
INDEX								$i \times d_p / d_b$		
	mm	mm	mm	mm					pcs	
PS415-0160-0003	160	20	2,5	1,8	56			-	1	5900855100250
PS415-0160-0001	160	30	2,5	1,8	56			-	1	5900855100236
PS415-0180-0001	180	30	2,5	1,8	54			-	1	5900855100052
PS415-0180-0002	180	30	3,0	2,5	54	Cu		-	1	5900855100359
PS415-0200-0003	200	30	2,5	1,8	60			2x10/60	1	5900855100366
PS415-0200-0002	200	30	3,0	2,5	60	Cu		2x10/60	1	5900855100373
PS415-0250-0001	250	30	3,2	2,5	80	Cu		2x10/60	1	5900855100380
PS415-0260-0001	260	30	2,5	2,0	100	Cu		-	1	5900855100397
PS415-0300-0001	300	30	3,2	2,5	96	Cu		2x10/60	1	5900855100403
PS415-0315-0002	315	30	3,2	2,5	96	Cu		2x10/60	1	5900855100410
PS415-0330-0001	330	30	3,2	2,5	96	Cu		2x10/60	1	5900855100427
PS415-0350-0009	350	30	3,2	2,5	78	Cu		2x10/60	1	5900855100434
PS415-0350-0003	350	30	3,2	2,5	108	Cu		2x10/60	1	5900855100441
PS415-0350-0004	350	30	3,6	3,0	108	Cu		2x10/60	1	5900855100458
PS415-0400-0007	400	30	4,0	3,4	96	Cu		2x10/60	1	5900855131056
PS415-0400-0001	400	30	4,0	3,4	108	Cu		2x10/60	1	5900855100465
PS415-0400-0004	400	30	4,0	3,4	120	Cu		2x10/60	1	5900855100472
PS415-0450-0002	450	30	3,7	3,0	120	Cu		2x10/60	1	5900855100489
PS415-0500-0016	500	30	5,0	3,9	72	Cu		2x8/42	1	5900855100502
PS415-0500-0100	500	30	4,2	3,6	120	Cu		2x10/60 + 2x11/63 + 2x11/72	1	5900855108539
PS415-0500-0127	500	30	4,8	3,6	144	Cu		2x10/60 + 2x11/63 + 2x11/79	1	5900855125314
PS415-0500-0002	500	30	4,0	3,4	160	Cu		2x10/60 + 2x11/63 + 2x11/71	1	5900855100496
PS415-0550-0002	550	30	4,4	3,2	160	Cu		2x10/60 + 2x11/63 + 2x11/85	1	5900855100519

Legend: d_s – driver hole dia. d_p – hole pitch dia. Silencing with Cu pins.
 INFO: Saw blades PS415-0350-0009 – with teeth geometry GA10.

PS460

HM-TIPPED SAW BLADES SUPER ALUEX

for cutting Alu profiles made of alloys difficult to machine



EXECUTION & TECHNICAL INFORMATION:

- very high precision of disc execution and specially selected sintered carbide guarantee long life time of the saw blade and very precise cutting quality
- number of teeth depends on thickness of the cut material
- production of saw blades with flange possible
- low noise saw blades

APPLICATION:

- saw blades designed for cutting Alu profiles made of alloys difficult to machine, containing Mg, Zn, Mn or Si, with i.e. typical high hardness (alloys have often form of bars or full plates)
- toothing: GA+5° – cutting profiles
- toothing GA+10° – cutting full materials

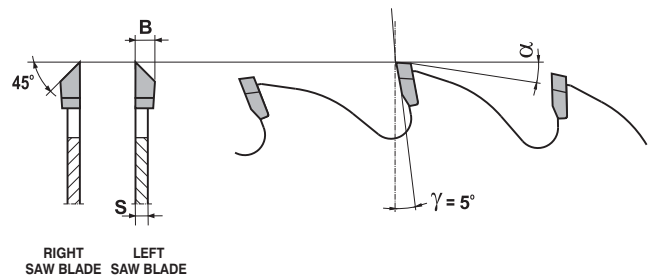
INDEX									
	mm	mm	mm	mm	1 2 3...		ϕ		
-	-	-	-	-	-	-	ixd _o /d _p	pcs	-

Attention: Saw blades made to custom order after collection of basic tool datas or according to the drawing, event. on the basis of cut material. Execution with flange made to custom order possible – application of flanged saw blades: for cutting hard Alu alloys in form of profiles with walls of big thickness fluctuation (e.g. radiators) – toothing 1 GC.

PS900

HM-TIPPED SAW BLADES

for sash stops chamfering



EXECUTION & TECHNICAL INFORMATION:

- 5° rake and special configuration saws
- vast possibilities of sintered carbide sharpening enable solving problems with cutting and meet high quality demands

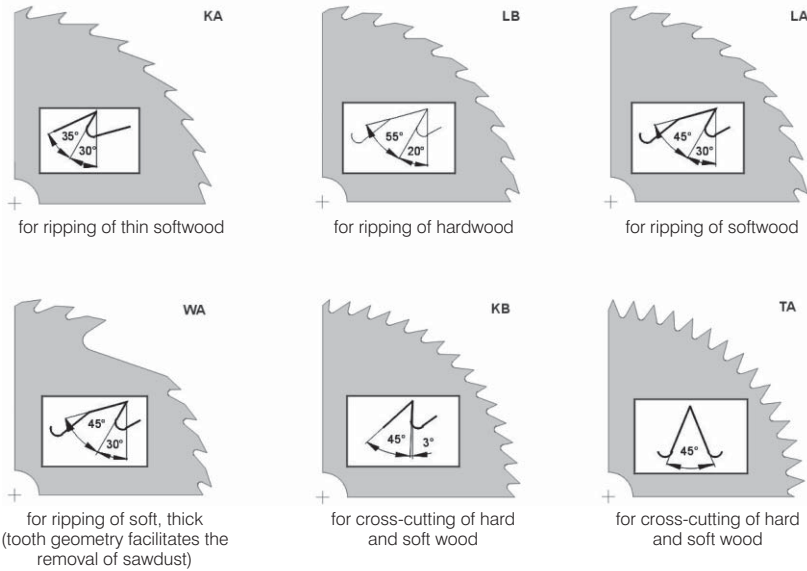
APPLICATION:

- saws designed for Alu and PVC sash stops chamfering, used in production of windows and doors
- saws coupled with main saws: PS415-0200-0008, PS415-0200-0006, PS415-0230-0001, PS415-0230-0002, PS415-0250-0009, PS415-0250-0006, PS415-0260-0001

INDEX						tip angle		
	mm	mm	mm	mm	1 2 3...		pcs	
PS900-0103-0003	103	32	2,2	1,6	36	right saw blade	1	5900855044257
PS900-0103-0004	103	32	2,2	1,6	36	left saw blade	1	5900855044264

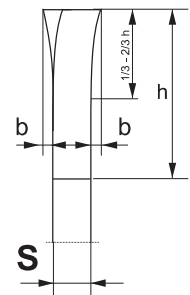
TECHNICAL INFORMATION
ORDINARY CIRCULAR SAW BLADES

TYPES OF ORDINARY CIRCULAR SAW BLADE TEETH:



TOOTH SET IN ORDINARY CIRCULAR SAW BLADES ACCORDING TO PN 76/D-54502:

tooth diameter	thickness of saw blade "S"					
	to 2,8	3,0-3,5	4,0	4,5	5,0	5,5
	tooth set to the "b" side					
100 – 220	0,35					
230 – 315	0,45	0,60				
350 – 400	0,60	0,70	0,80			
425 – 500	0,80					
520 – 550		0,90	1,0			
600 – 710		1,1	1,2	1,3		
800 – 900		1,2	1,3		1,4	
1000 – 1250			1,4		1,6	



tooth should be set between 1/3 and 2/3 of its height

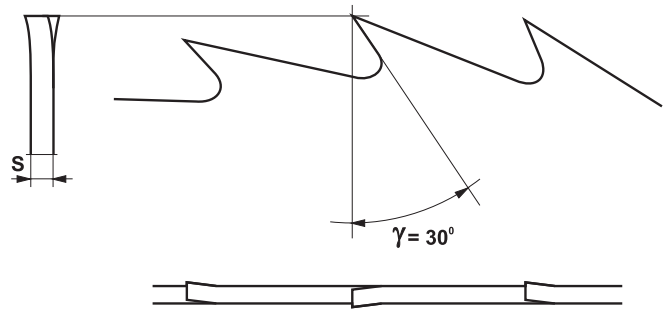
TABLE OF MINIMUM DIAMETERS FOR CLAMPING DISCS, MAXIMUM AND RECOMMENDED SPEED OF ORDINARY CIRCULAR SAW BLADES:

tooth diameter	clamping disc diameter according to PN-91/D-56050	saw blade speed N max	recommended operating speed N	
100	20	15.000	7.650 – 12.400	
125		12.000	6.150 – 9.900	
130/150		10.000	5.800 – 8.300	
160		9.500	4.800 – 7.750	
200	30	7.600	3.850 – 6.200	
250		6.000	3.050 – 4.950	
300		60	5.000	2.550 – 4.100
315			4.800	2.450 – 3.900
350/355		85	4.300	2.200 – 3.550
400			3.800	1.950 – 3.100
425/450	3.400		1.800 – 2.750	
500	40	3.100	1.550 – 2.450	
600		125	2.500	1.300 – 2.050
630			2.400	1.250 – 1.950
700/710			2.200	1.100 – 1.750
800		160	1.900	950 – 1.550
900			1.700	850 – 1.350
1000	1.500		800 – 1200	

PT100

SAW BLADES KA

for soft wood ripping









EXECUTION & TECHNICAL INFORMATION:

- saws made from high quality, thermally improved steel
- laser cut disc results in accurate execution
- standard saws made in sharpened and set version
- due to heavy duty working conditions the saws are also made with special heat compensating grooves

APPLICATION:

- saws designed for soft wood ripping

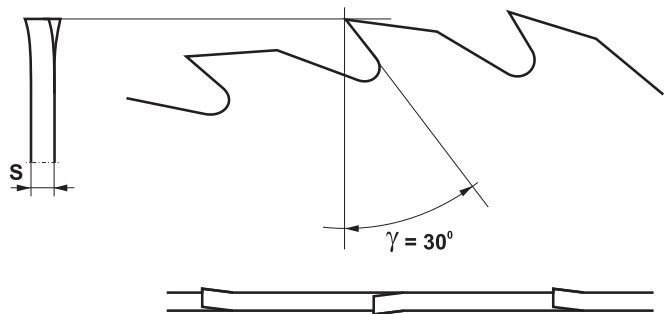
INDEX						
	mm	mm	mm		pcs	
○ PT100-0200-0001	200	30	2,0	36	1	5900855035897
○ PT100-0250-0004	250	30	1,2	30	1	5900855035965
○ PT100-0315-0002	315	30	2,5	30	1	5900855036016
○ PT100-0350-0001	350	30	2,5	36	1	5900855036030
○ PT100-0400-0002	400	30	2,5	36	1	5900855036085
○ PT100-0400-0003	400	30	3,2	36	1	5900855036092
○ PT100-0450-0001	450	30	2,5	36	1	5900855036115
○ PT100-0500-0001	500	30	3,2	36	1	5900855036146

Legend: ○ – to order

PT110

SAW BLADES LA

for soft wood ripping









EXECUTION & TECHNICAL INFORMATION:

- saws made from high quality, thermally improved steel
- laser cut disc results in accurate execution
- standard saws made in sharpened and set version
- due to heavy duty working conditions the saws are also made with special heat compensating grooves

APPLICATION:

- saws designed for soft wood ripping, e.g. on the popular table cut-off machines

INDEX						
	mm	mm	mm		pcs	
PT110-0115-0001	115	22,2	1,0	36	1	5900855036207
PT110-0115-0002	115	22,2	1,2	36	1	5900855056359
PT110-0125-0002	125	22	1,0	36	1	5900855036221
PT110-0125-0003	125	22	1,2	36	1	5900855036238
PT110-0125-0005	125	22,2	1,0	36	1	5900855051293
PT110-0125-0006	125	22,2	1,2	36	1	5900855056366
PT110-0160-0002	160	20	1,2	36	1	5900855036276
...

→ cont. page 41

PT110

SAW BLADES LA

for soft wood ripping

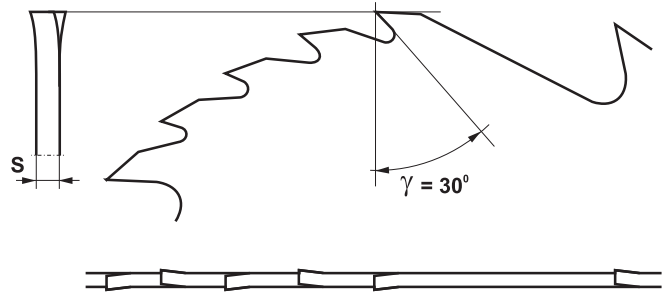


INDEX						
	mm	mm	mm		pcs	
PT110-0160-0003	160	20	1,6	36	1	5900855036283
PT110-0180-0002	180	20	1,6	36	1	5900855036306
PT110-0180-0001	180	30	1,6	36	1	5900855036290
PT110-0200-0003	200	30	1,2	36	1	5900855036337
PT110-0200-0001	200	30	1,6	36	1	5900855036313
PT110-0200-0002	200	30	2,0	36	1	5900855036320
PT110-0200-0004	200	30	2,5	36	1	5900855036344
PT110-0250-0004	250	30	1,2	36	1	5900855036405
PT110-0250-0001	250	30	1,6	36	1	5900855036375
PT110-0250-0002	250	30	2,0	36	1	5900855036382
PT110-0250-0003	250	30	2,5	36	1	5900855036399
PT110-0300-0001	300	30	2,0	30	1	5900855036504
PT110-0300-0002	300	30	2,5	30	1	5900855036511
PT110-0300-0003	300	30	3,2	30	1	5900855036528
PT110-0315-0003	315	30	1,6	30	1	5900855036665
PT110-0315-0001	315	30	2,0	30	1	5900855036641
PT110-0315-0004	315	30	2,5	30	1	5900855036672
PT110-0315-0006	315	30	3,2	24	1	5900855036696
PT110-0315-0002	315	30	3,2	30	1	5900855036658
PT110-0315-0005	315	90	3,2	24	1	5900855036689
PT110-0350-0001	350	30	2,0	36	1	5900855036771
PT110-0350-0002	350	30	2,5	36	1	5900855036788
PT110-0350-0008	350	30	3,2	24	1	5900855036849
PT110-0350-0003	350	30	3,2	36	1	5900855036795
PT110-0350-0014	350	30	3,5	24	1	5900855036894
PT110-0350-0009	350	30	3,5	36	1	5900855036856
PT110-0350-0005	350	90	3,5	24	1	5900855036818
PT110-0400-0001	400	30	2,0	36	1	5900855037037
PT110-0400-0002	400	30	2,5	36	1	5900855037044
PT110-0400-0016	400	30	2,8	36	1	5900855037181
PT110-0400-0006	400	30	3,2	24	1	5900855037082
PT110-0400-0003	400	30	3,2	36	1	5900855037051
PT110-0400-0004	400	30	3,5	36	1	5900855037068
PT110-0450-0001	450	30	2,5	36	1	5900855037266
PT110-0450-0015	450	30	2,8	36	1	5900855037402
PT110-0450-0004	450	30	3,5	24	1	5900855037297
PT110-0450-0003	450	30	3,2	36	1	5900855037280
PT110-0450-0005	450	30	3,5	36	1	5900855037303
PT110-0500-0001	500	30	2,5	36	1	5900855037440
PT110-0500-0002	500	30	2,8	36	1	5900855037457
PT110-0500-0003	500	30	3,0	36	1	5900855037464
PT110-0500-0004	500	30	3,2	36	1	5900855037471
PT110-0500-0005	500	30	3,5	36	1	5900855037488
PT110-0550-0001	550	30	3,2	48	1	5900855037563
PT110-0550-0002	550	30	3,5	48	1	5900855037570
PT110-0630-0003	630	40	3,2	36	1	5900855037631
PT110-0630-0001	630	40	3,5	36	1	5900855037617
PT110-0630-0002	630	40	4,0	36	1	5900855037624
PT110-0710-0002	710	40	3,5	36	1	5900855037693
PT110-0710-0001	710	40	4,0	36	1	5900855037686
PT110-0710-0003	710	40	4,5	36	1	5900855037709
PT110-0800-0001	800	40	4,0	36	1	5900855037747
PT110-0800-0002	800	40	4,5	36	1	5900855037754
PT110-0900-0003	900	40	5,0	56	1	5900855037853
PT110-1000-0003	1000	40	5,0	56	1	5900855037914

PT140

SAW BLADES WA

for soft wood ripping










EXECUTION & TECHNICAL INFORMATION:

- saws made from high quality, thermally improved steel
- laser cut disc results in accurate execution
- standard saws made in sharpened and set version
- due to heavy duty working conditions the saws are also made with special heat compensating grooves

APPLICATION:

- saws with tooth grouping designed for soft wood ripping
- saws used mostly on double-blade frame sawing machines, often used for multi rip saws

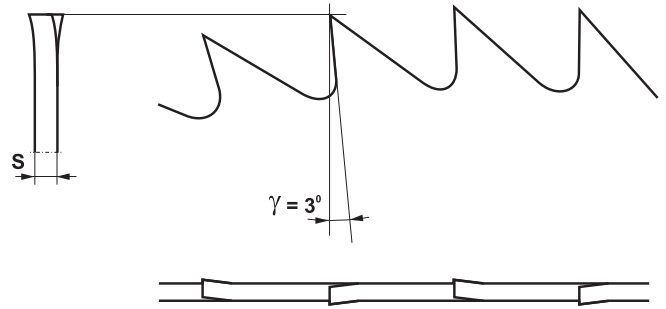
INDEX							
	mm	mm	mm			pcs	
PT140-0315-0001	315	30	3,2	6x4	-	1	5900855038164
PT140-0350-0001	350	30	3,2	6x4	-	1	5900855038188
PT140-0400-0001	400	30	3,2	6x4	-	1	5900855038256
PT140-0400-0003	400	30	3,5	6x4	-	1	5900855038270
PT140-0400-0002	400	50	3,2	6x4	-	1	5900855038263
PT140-0400-0005	400	50	3,5	6x4	-	1	5900855038294
PT140-0450-0003	450	30	3,2	6x4	-	1	5900855038478
PT140-0450-0001	450	50	3,2	6x4	-	1	5900855038454
PT140-0450-0002	450	50	3,5	6x4	-	1	5900855038461
PT140-0450-0009	450	50	3,5	6x4	F	1	5900855038539
PT140-0500-0002	500	30	3,0	8x5	-	1	5900855038669
PT140-0500-0001	500	30	3,2	8x5	-	1	5900855038652
PT140-0500-0003	500	30	3,5	8x5	-	1	5900855038676
PT140-0630-0003	630	40	3,5	8x5	-	1	5900855038867
PT140-0630-0001	630	40	4,0	8x5	-	1	5900855038843
PT140-0630-0002	630	40	4,0	8x5	F	1	5900855038850
PT140-0710-0003	710	40	4,0	8x5	-	1	5900855038959
PT140-0710-0001	710	40	4,0	8x5	F	1	5900855038935
PT140-0710-0002	710	40	4,5	8x5	F	1	5900855038942
PT140-0800-0005	800	40	4,0	8x5	-	1	5900855039079
PT140-0800-0014	800	40	4,0	8x5	F	1	5900855039161
PT140-0800-0001	800	40	4,5	8x5	-	1	5900855039031
PT140-0800-0003	800	40	4,5	8x5	F	1	5900855039055
PT140-0800-0006	800	40	5,0	8x5	F	1	5900855039086
PT140-0800-0012	800	65	4,5	8x5	-	1	5900855039147
PT140-0800-0008	800	65	5,0	8x5	F	1	5900855039109
PT140-0900-0001	900	40	5,0	8x5	-	1	5900855039369
PT140-0900-0010	900	40	5,0	8x5	F	1	5900855039451
PT140-0900-0002	900	65	5,0	8x5	-	1	5900855039376
PT140-1000-0005	1000	40	5,0	8x5	F	1	5900855039574
PT140-1000-0007	1000	40	5,5	8x5	F	1	5900855039598

Legend: F – cooling holes.

PT150

SAW BLADES KB

for soft and hard wood cross cutting









EXECUTION & TECHNICAL INFORMATION:

- saws made from high quality, thermally improved steel
- laser cut disc results in accurate execution
- standard saws made in sharpened and set version
- due to heavy duty working conditions the saws are also made with special heat compensating grooves

APPLICATION:

- for soft and hard wood cross cutting (e.g. firewood)

INDEX						
	mm	mm	mm		pcs	
PT150-0100-0001	100	20	1,0	60	1	5900855039628
PT150-0115-0002	115	22,2	1,0	60	1	5900855039659
PT150-0125-0002	125	22	1,0	60	1	5900855039673
PT150-0125-0003	125	22	1,2	60	1	5900855039680
PT150-0125-0005	125	22,2	1,0	60	1	5900855089012
PT150-0130-0001	130	16	1,2	60	1	5900855089029
PT150-0160-0002	160	20	1,6	60	1	5900855039727
PT150-0180-0002	180	30	1,6	60	1	5900855039758
PT150-0200-0002	200	30	1,6	60	1	5900855039789
PT150-0200-0001	200	30	2,0	60	1	5900855039772
PT150-0250-0002	250	30	1,6	48	1	5900855039840
PT150-0250-0001	250	30	2,0	48	1	5900855039833
PT150-0250-0003	250	30	2,5	48	1	5900855039857
PT150-0300-0001	300	30	2,0	60	1	5900855040037
PT150-0300-0002	300	30	2,5	60	1	5900855040044
PT150-0315-0001	315	30	2,0	48	1	5900855040112
PT150-0315-0002	315	30	2,5	48	1	5900855040129
PT150-0315-0003	315	30	3,2	48	1	5900855040136
PT150-0350-0003	350	30	2,0	60	1	5900855040181
PT150-0350-0001	350	30	2,5	60	1	5900855040167
PT150-0350-0002	350	30	3,2	60	1	5900855040174
PT150-0400-0001	400	30	2,0	60	1	5900855040211
PT150-0400-0002	400	30	2,5	60	1	5900855040228
PT150-0400-0003	400	30	3,2	60	1	5900855040235
PT150-0450-0001	450	30	2,5	60	1	5900855040297
PT150-0450-0002	450	30	3,2	60	1	5900855040303
PT150-0500-0002	500	30	2,5	60	1	5900855040341
PT150-0500-0001	500	30	3,2	60	1	5900855040334
PT150-0500-0003	500	30	3,2	84	1	5900855040358
PT150-0500-0004	500	30	3,5	60	1	5900855040365
PT150-0550-0001	550	30	3,2	84	1	5900855040396
PT150-0630-0003	630	40	3,5	84	1	5900855040433
PT150-0630-0001	630	40	4,0	84	1	5900855040419
PT150-0710-0002	710	40	4,0	84	1	5900855040488

PA510

BAND SAW BLADES BARAKUDA Premium

for green wood cutting



EXECUTION & TECHNICAL INFORMATION:

- quality tool steel with increased contents of molybdenum and vanadium, hardness of 44-46 HRC
- special heat treatment of band saws – BARAKUDA Premium type considerably increases the flexibility and resistance of band
- saws made to standards: hardened, sharpened and set version (HOR)

APPLICATION:

- saws designed for cutting of all kind of green wood on band frame saws
- also for frozen wood

HARDENED, SHARPENED AND SET VERSION (HOR)

INDEX				unit		
	mm	mm	mm			
PA510-4005-0003	4005	35	1,1	pcs	10	5900855111911
PA510-4005-0005	4005	40	1,1	pcs	10	5900855129725

**PA410
PA420
PA430**

BAND SAW BLADES PIRANIA Plus

for green wood cutting



EXECUTION & TECHNICAL INFORMATION:

- high quality chromium-nickel tool steel with additions of molybdenum and vanadium, hardness of 44-46 HRC
- band saw welding process is carried out on highly specialized welders which ensure high quality and repeatability of the weld
- saws made to standards: tooth pitch t = 22 mm in versions:
 - hardened, sharpened and set (HOR)
 - sharpened and set (OR)
 - not sharpened and not set (NN)

APPLICATION:

- saws designed for cutting of all kind of green wood on band frame saws

HARDENED, SHARPENED AND SET VERSION (HOR)

INDEX				unit		
	mm	mm	mm			
○ PA410-0000-0002	custom-made	35	1,0	m	1	5900855071574
○ PA410-0000-0003	custom-made	35	1,1	m	1	5900855071604
○ PA410-0000-0004	custom-made	40	1,0	m	1	5900855071635
○ PA410-0000-0005	custom-made	40	1,1	m	1	5900855071666
○ PA410-0000-0006	custom-made	50	1,0	m	1	5900855071697
○ PA410-0100-0002	custom-made	35	1,0	m	100	5900855071581
○ PA410-0100-0003	custom-made	35	1,1	m	100	5900855071611
○ PA410-0100-0004	custom-made	40	1,0	m	100	5900855071642
○ PA410-0100-0005	custom-made	40	1,1	m	100	5900855071673
○ PA410-0100-0006	custom-made	50	1,0	m	100	5900855071703
PA410-4005-0002	4005	35	1,0	pcs	10	5900855071567
PA410-4005-0003	4005	35	1,1	pcs	10	5900855071598
○ PA410-4005-0004	4005	40	1,0	pcs	10	5900855071628
○ PA410-4005-0005	4005	40	1,1	pcs	10	5900855071659
○ PA410-4005-0006	4005	50	1,0	pcs	10	5900855071680

Legend: ○ – to order



SHARPENED AND SET VERSION (OR)

INDEX				unit		
	mm	mm	mm			
○ PA420-0000-0002	custom-made	35	1,0	m	1	5900855071819
○ PA420-0000-0003	custom-made	35	1,1	m	1	5900855071840
○ PA420-0000-0004	custom-made	40	1,0	m	1	5900855071871
○ PA420-0000-0005	custom-made	40	1,1	m	1	5900855071901
○ PA420-0000-0006	custom-made	50	1,0	m	1	5900855071932
○ PA420-0100-0002	custom-made	35	1,0	m	100	5900855071826
○ PA420-0100-0003	custom-made	35	1,1	m	100	5900855071857
○ PA420-0100-0004	custom-made	40	1,0	m	100	5900855071888
○ PA420-0100-0005	custom-made	40	1,1	m	100	5900855071918
○ PA420-0100-0006	custom-made	50	1,0	m	100	5900855071949
○ PA420-4005-0002	4005	35	1,0	pcs	10	5900855071802
○ PA420-4005-0003	4005	35	1,1	pcs	10	5900855071833
○ PA420-4005-0004	4005	40	1,0	pcs	10	5900855071864
○ PA420-4005-0005	4005	40	1,1	pcs	10	5900855071895

Legend: ○ – to order



NOT SHARPENED AND NOT SET VERSION (NN)

INDEX				unit		
	mm	mm	mm			
○ PA430-0000-0002	custom-made	35	1,0	m	1	5900855072014
○ PA430-0000-0003	custom-made	35	1,1	m	1	5900855072038
○ PA430-0000-0004	custom-made	40	1,0	m	1	5900855072052
○ PA430-0000-0005	custom-made	40	1,1	m	1	5900855072076
○ PA430-0000-0006	custom-made	50	1,0	m	1	5900855072090

Legend: ○ – to order

PA310
PA320
PA330

BAND SAW BLADES ORKA Plus

for green wood cutting



EXECUTION & TECHNICAL INFORMATION:

- chromium-nickel tool steel with hardness of 42-44 HRC
- band saw welding process is carried out on highly specialized welders which ensure high quality and repeatability of the weld
- saws made to standards: tooth pitch t = 22 mm in versions:
 - hardened, sharpened and set (HOR)
 - sharpened and set (OR)
 - not sharpened and not set (NN)

APPLICATION:

- saws designed for cutting of all kind of green wood on band frame saws



HARDENED, SHARPENED AND SET VERSION (HOR)

INDEX				unit		
	mm	mm	mm			
○ PA310-0000-0001	custom-made	35	1,0	m	1	5900855071482
○ PA310-0000-0002	custom-made	35	1,1	m	1	5900855071512
○ PA310-0000-0004	custom-made	40	1,1	m	1	5900855096676
○ PA310-0100-0001	custom-made	35	1,0	m	100	5900855071499
○ PA310-0100-0002	custom-made	35	1,1	m	100	5900855071529
PA310-4005-0001	4005	35	1,0	pcs	10	5900855071475
PA310-4005-0002	4005	35	1,1	pcs	10	5900855071505
PA310-4005-0004	4005	40	1,1	pcs	10	5900855093286

Legend: ○ – to order



SHARPENED AND SET VERSION (OR)

INDEX				unit		
	mm	mm	mm			
○ PA320-0000-0001	custom-made	35	1,0	m	1	5900855071727
○ PA320-0000-0002	custom-made	35	1,1	m	1	5900855071758
○ PA320-0000-0004	custom-made	40	1,1	m	1	5900855089494
○ PA320-0100-0001	custom-made	35	1,0	m	100	5900855071734
○ PA320-0100-0002	custom-made	35	1,1	m	100	5900855071765
PA320-4005-0001	4005	35	1,0	pcs	10	5900855071710
PA320-4005-0002	4005	35	1,1	pcs	10	5900855071741
○ PA320-4005-0004	4005	40	1,1	pcs	10	5900855093309

Legend: ○ – to order



NOT SHARPENED AND NOT SET VERSION (NN)

INDEX				unit		
	mm	mm	mm			
○ PA330-0000-0001	custom-made	35	1,0	m	1	5900855071956
○ PA330-0000-0002	custom-made	35	1,1	m	1	5900855071970





Legend: ○ – to order

OP201

BORAZON GRINDING WHEELS

for band saw blades sharpening

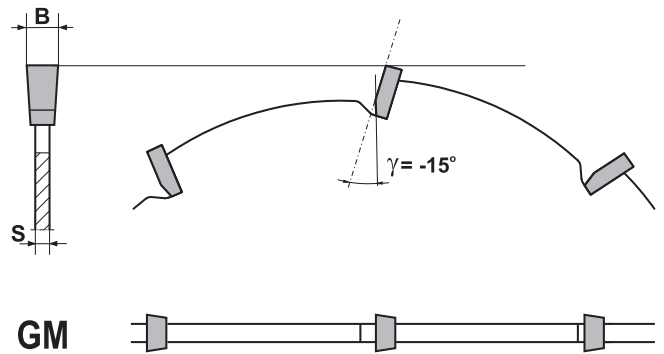


INDEX				
	mm	mm		
OP201-0001	127	12,7	1	5900855099820
OP201-0002	203	32	1	5900855099837

PS900

HM-TIPPED SAW BLADES

for raw wood debarking











EXECUTION & TECHNICAL INFORMATION:

- saws with special teeth geometry
- special and wide HM-tip enables debarking without difficulties

APPLICATION:

- saws used for sawmill wood debarking (green wood on debarking machines)

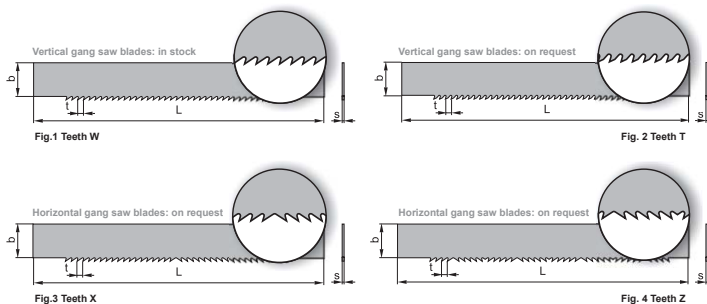
INDEX								
	mm	mm	mm	mm		il(axh)	pcs	
PS900-0180-0006	180	25,4	8,0	4,0	9	1(6x4)	1	5900855051903

Legend: a – groove width h – groove height.

PR110

GANG SAW BLADES

for cutting green wood



EXECUTION & TECHNICAL INFORMATION

- saws made from high quality tool steel, tested by cutting of soft and hard wood in saw mills
- laser cut body provides very high accuracy of teeth pitch and facilitates its sharpening
- specialized disc tensioning technology ensures proper rigidity while operation
- saws made to standards: toothing W type and blade thickness – 2,2 mm
- saws with twin row of openings in clamping tabs
- versions: not sharpened, not set

APPLICATION:

- saws designed for cutting of all kind of green wood

INDEX					teeth type		
	mm	mm	mm	mm		pcs	
PR110-1250-0002	1250	160	2,2	25	W	10	5900855025195
PR110-1250-0009	1250	140	2,2	25	W	10	5900855164702
PR110-1340-0003	1340	160	2,2	25	W	10	5900855164719
PR110-1340-0008	1340	140	2,2	25	W	10	5900855164757

CUSTOM ORDER GANG SAW BLADES

Saw blade dimension	material	unit	info
Gang saw blades 140 x 2,2	75 Cr1	m	○
Gang saw blades 140 x 2,2	Uddeholm	m	○
Gang saw blades 160 x 2,2	75 Cr1	m	○
Gang saw blades 160 x 2,2	Uddeholm	m	○
Gang saw blades 180 x 2,45	75 Cr1	m	○
Fixing (includes the cost of cutting holes, rivets and strips)		pc	○

Additional services

	unit	info
Chrome plating of gang saws	m	○
Stelliting with grinding	per tooth	○
Thickening with grinding	per tooth	○
Setting with grinding	per tooth	○
Cutting holes	pc	○

Key: ○ – special order.

NS110

KNIVES FOR PLANERS

NCV1



EXECUTION & TECHNICAL INFORMATION

- knives used for planing soft and hard wood elements
- knife hardness approx. 52 HRC

INDEX						
	mm	mm	mm	°	pcs	
NS110-0130-0001	130	30	3,0	38	3	5900855021012
NS110-0150-0001	150	30	3,0	38	3	5900855021029
NS110-0205-0001	205	35	3,0	38	3	5900855021074
NS110-0255-0001	255	35	3,0	38	3	5900855021142
NS110-0260-0001	260	20	3,0	38	3	5900855021159
NS110-0305-0001	305	30	3,0	38	3	5900855021166
NS110-0305-0002	305	35	3,0	38	3	5900855021173
NS110-0325-0001	325	35	3,0	38	3	5900855021197
NS110-0355-0001	355	35	3,0	38	3	5900855021203
NS110-0410-0002	410	30	3,0	38	3	5900855021234
NS110-0410-0001	410	35	3,0	38	3	5900855021227
NS110-0510-0002	510	30	3,0	38	3	5900855021272
NS110-0510-0001	510	35	3,0	38	3	5900855021265
NS110-0610-0001	610	30	3,0	38	3	5900855021296
NS110-0610-0002	610	35	3,0	38	3	5900855021302
NS110-0640-0002	640	30	3,0	38	3	5900855021333
NS110-0640-0001	640	35	3,0	38	3	5900855021326
NS110-0710-0001	710	35	3,0	38	3	5900855021357
NS110-0810-0001	810	35	3,0	38	3	5900855021371

NS120

KNIVES FOR PLANERS

ECH

Globus EXTRA CHROM



EXECUTION & TECHNICAL INFORMATION

- knives used for planing soft and hard wood elements
- knife hardness approx. 58 HRC

INDEX						
	mm	mm	mm	°	pcs	
NS120-0305-0001	305	35	3,0	38	3	5900855021500
NS120-0355-0001	355	35	3,0	38	3	5900855021548
NS120-0410-0001	410	35	3,0	38	3	5900855021555
NS120-0510-0001	510	35	3,0	38	3	5900855021579
NS120-0610-0001	610	35	3,0	38	3	5900855021609
NS120-0640-0001	640	35	3,0	38	3	5900855021623
NS120-0710-0001	710	35	3,0	38	3	5900855021647
NS120-0810-0001	810	35	3,0	38	3	5900855021661

NS135

KNIVES FOR PLANERS

HSS STANDARD

Globus HSS STANDARD



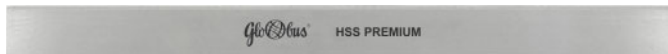
EXECUTION & TECHNICAL INFORMATION

- knives used for planing soft and hard wood elements
- knife hardness approx. 60-63 HRC
- knives made in accuracy class B

INDEX						
	mm	mm	mm	°	pcs	
NS135-0060-0001	060	30	3,0	43	4	5900855159975
NS135-0060-0003	060	35	3,0	43	4	5900855159982
NS135-0080-0002	080	30	3,0	43	4	5900855159999
NS135-0080-0005	080	35	3,0	43	4	5900855160001
NS135-0100-0002	100	30	3,0	43	4	5900855160018
NS135-0100-0004	100	35	3,0	43	4	5900855160025
NS135-0120-0002	120	30	3,0	43	4	5900855160032
NS135-0120-0003	120	35	3,0	43	4	5900855160049
NS135-0130-0002	130	30	3,0	43	4	5900855160063
NS135-0130-0001	130	35	3,0	43	4	5900855160056
NS135-0150-0001	150	30	3,0	43	4	5900855160070
NS135-0160-0007	160	30	3,0	43	4	5900855160094
NS135-0160-0003	160	35	3,0	43	4	5900855160087
NS135-0180-0001	180	30	3,0	43	4	5900855160100
NS135-0180-0002	180	35	3,0	43	4	5900855160117
NS135-0200-0002	200	30	3,0	43	4	5900855159968
NS135-0200-0001	200	35	3,0	43	4	5900855159951
NS135-0205-0002	205	35	3,0	43	4	5900855159944
NS135-0230-0001	230	30	3,0	43	4	5900855159920
NS135-0230-0002	230	35	3,0	43	4	5900855159937
NS135-0240-0001	240	30	3,0	43	4	5900855159913
NS135-0255-0001	255	35	3,0	43	3	5900855159906
NS135-0260-0001	260	20	3,0	43	4	5900855159890
NS135-0305-0002	305	30	3,0	43	4	5900855159852
NS135-0305-0001	305	35	3,0	43	4	5900855159845
NS135-0310-0003	310	35	3,0	43	3	5900855159869
NS135-0355-0001	355	35	3,0	43	3	5900855159876
NS135-0410-0001	410	30	3,0	43	3	5900855159821
NS135-0410-0002	410	35	3,0	43	3	5900855159838
NS135-0510-0002	510	30	3,0	43	3	5900855159814
NS135-0510-0001	510	35	3,0	43	3	5900855159807
NS135-0610-0003	610	30	3,0	43	3	5900855159777
NS135-0610-0001	610	35	3,0	43	3	5900855159760
NS135-0640-0002	640	30	3,0	43	3	5900855159791
NS135-0640-0001	640	35	3,0	43	3	5900855159784
NS135-0710-0001	710	35	3,0	43	3	5900855159739
NS135-0810-0001	810	35	3,0	43	3	5900855159753

NS130

KNIVES FOR PLANERS



EXECUTION & TECHNICAL INFORMATION

- designed for planing of elements from soft and hard wood and wood based materials
- used mainly in furniture industry in continuous production processes
- knife hardness approx. 65 HRC

INDEX						
	mm	mm	mm	°	pcs	
NS130-0060-0001	060	30	3,0	43	4	5900855021692
NS130-0060-0003	060	35	3,0	43	4	5900855095303
NS130-0080-0002	080	30	3,0	43	4	5900855021739
NS130-0080-0005	080	35	3,0	43	4	5900855095310
NS130-0100-0002	100	30	3,0	43	4	5900855021760
NS130-0100-0004	100	35	3,0	43	4	5900855021784
NS130-0120-0002	120	30	3,0	43	4	5900855021838
NS130-0120-0003	120	35	3,0	43	4	5900855021845
NS130-0130-0002	130	30	3,0	43	4	5900855021890
NS130-0130-0001	130	35	3,0	43	4	5900855021883
NS130-0150-0001	150	30	3,0	43	4	5900855021968
NS130-0160-0007	160	30	3,0	43	4	5900855100861
NS130-0160-0003	160	35	3,0	43	4	5900855051835
NS130-0180-0001	180	30	3,0	43	4	5900855022040
NS130-0180-0002	180	35	3,0	43	4	5900855061629
NS130-0200-0002	200	30	3,0	43	4	5900855070515
NS130-0200-0001	200	35	3,0	43	4	5900855069397
NS130-0205-0002	205	35	3,0	43	4	5900855022118
NS130-0230-0001	230	30	3,0	43	4	5900855022156
NS130-0230-0002	230	35	3,0	43	4	5900855022163
NS130-0240-0001	240	30	3,0	43	4	5900855022194
NS130-0255-0001	255	35	3,0	43	4	5900855022217
NS130-0260-0001	260	20	3,0	43	4	5900855022224
NS130-0305-0002	305	30	3,0	43	4	5900855022279
NS130-0305-0001	305	35	3,0	43	4	5900855022262
NS130-0310-0003	310	35	3,0	43	3	5900855022316
NS130-0355-0001	355	35	3,0	43	3	5900855022347
NS130-0410-0001	410	30	3,0	43	3	5900855022361
NS130-0410-0002	410	35	3,0	43	3	5900855022378
NS130-0510-0002	510	30	3,0	43	3	5900855022415
NS130-0510-0001	510	35	3,0	43	3	5900855022408
NS130-0610-0003	610	30	3,0	43	3	5900855022514
NS130-0610-0001	610	35	3,0	43	3	5900855022491
NS130-0640-0002	640	30	3,0	43	3	5900855022538
NS130-0640-0001	640	35	3,0	43	3	5900855022521

NS133

KNIVES FOR PLANERS



EXECUTION & TECHNICAL INFORMATION

- designed for planing of elements from soft and hard wood and wood based materials
- knives of very wide application: from small carpenter to big sawmills
- knife made of material SW18 with 18% tungsten and height of 14 mm
- knives made in accuracy class B

INDEX						
	mm	mm	mm	°	pcs	
NS133-0305-0001	305	35	3,0	45	2	5900855158565
NS133-0410-0001	410	35	3,0	45	2	5900855158572
NS133-0510-0001	510	35	3,0	45	2	5900855158589
NS133-0610-0001	610	35	3,0	45	2	5900855158596

NS140

KNIVES FOR PLANERS



EXECUTION & TECHNICAL INFORMATION

- designed for processing wood based materials and dry wood
- used mainly in furniture industry in continuous production processes
- blade made from sintered carbide

INDEX						
	mm	mm	mm	°	pcs	
NS140-0060-0002	60	30	3,0	40/45	4	5900855099431
NS140-0080-0002	80	30	3,0	40/45	4	5900855076043
NS140-0100-0002	100	30	3,0	40/45	4	5900855099189
NS140-0120-0002	120	30	3,0	40/45	4	5900855076050
NS140-0130-0002	130	30	3,0	40/45	4	5900855076067
NS140-0160-0002	160	30	3,0	40/45	4	5900855100847
NS140-0180-0002	180	30	3,0	40/45	4	5900855094931
NS140-0200-0002	200	30	3,0	40/45	4	5900855100854
NS140-0230-0002	230	30	3,0	40/45	4	5900855087513
NS140-0410-0002	410	30	3,0	40/45	4	5900855094016
NS140-0410-0001	410	35	3,0	40/45	4	5900855074988
NS140-0510-0002	510	30	3,0	40/45	4	5900855094023
NS140-0510-0001	510	35	3,0	40/45	4	5900855074995
NS140-0610-0002	610	30	3,0	40/45	4	5900855092999
NS140-0640-0002	640	30	3,0	40/45	4	5900855093002
NS140-0640-0001	640	35	3,0	40/45	4	5900855075015



TECHNICAL INFORMATION PROFILE SHAPER CUTTERS

APPLICATION OF SHAPER CUTTERS WITH HM KNIVES:

Shaper cutters with sintered carbide knives are recommended especially for the treatment of solid hard wood, laminated wood, chipboard, solid fibreboard and OSB.

APPLICATION OF SHAPER CUTTERS WITH HSS KNIVES:

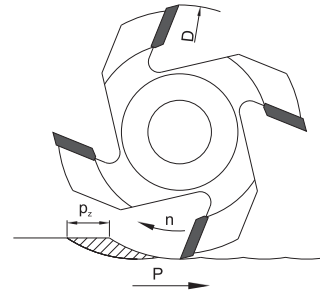
Shaper cutters with high-speed steel knives are recommended for the treatment of wet and dry softwood.

Tools marked with  are used with a mechanical feed. Tools marked with  are used with a manual feed.

CUTTING PARAMETERS:

The condition for the correct operation of shaper cutters is to choose the right cutting speed and feed rate for the type of material which is to be worked on and machining conditions

material	shaper cutters with HM knives cutting speed [m/s]	shaper cutters with HSS knives cutting speed [m/s]
Softwood	60-90	50-80
Hardwood	50-80	-
Chipboard	60-80	-
Blockboards and glued laminated timber	50-80	-
Hardboard	30-50	-



CALCULATION OF CUTTING SPEED:

$$V = \frac{\pi \times D \times n}{60 \times 1000}$$

V – cutting speed (m/s)
D – outside diameter of the shaper cutter (mm)
n – spindle speed (rev/min)

Example:

outer diameter of the shaper cutter D = 140 mm, spindle speed n = 6500 rev/min

$$V = \frac{\pi \times 140 \times 6500}{60 \times 1000} = 47,6 \text{ m/s}$$

Attention: When determining the optimum cutting speed, do not exceed the maximum speed indicated on the shaper cutter.

CALCULATION OF FEED RATE:

$$P = \frac{p_z \times z \times n}{1000}$$

P – feed rate (m/min)
p_z – feed per tooth (mm)

finishing: p_z = 0.25 – 0.75 (mm)
roughing: p_z = 0.8 – 2.5 (mm)

z – number of teeth
n – spindle speed (rev/min)

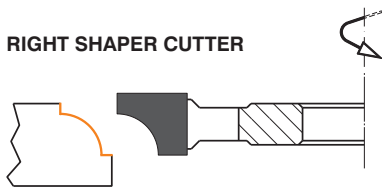
Example:

spindle speed n = 6500 rev/min, number of teeth z = 4, softwood finishing p_z = 0.4 mm

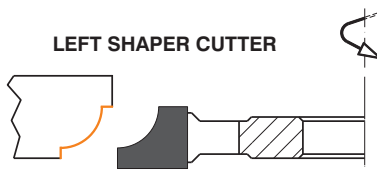
$$P = \frac{0,4 \times 4 \times 6500}{1000} = 10,4 \text{ m/min.}$$

DIRECTION OF ROTATION OF SHAPER CUTTERS (RIGHT SHAPER CUTTERS, LEFT SHAPER CUTTERS):

RIGHT SHAPER CUTTER



LEFT SHAPER CUTTER



DETERMINING THE MINIMUM OUTER DIAMETER OF A PROFILE CUTTER DEPENDING ON THE PROFILE DEPTH:

D – outside diameter (mm)
d – bore diameter (mm)
B – shaper cutter width (mm)

Maximum outer diameter D_{min} (mm) D_{min} = 2xG_p + d + 55

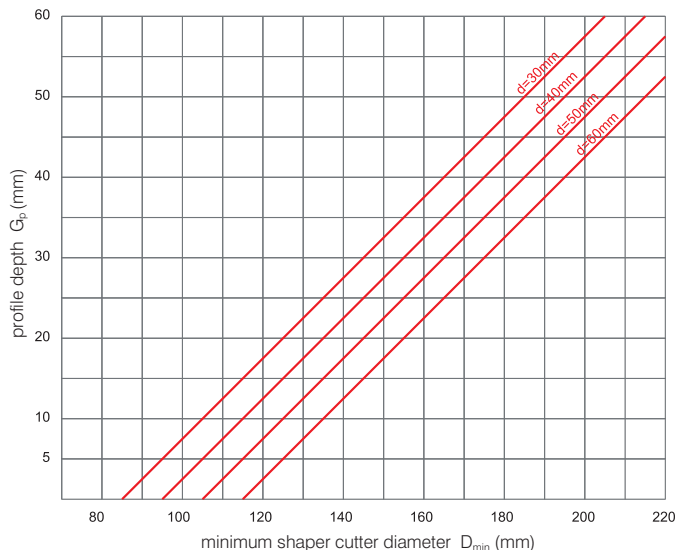
$$D_{min} = 2 \times G_p + d + 55$$

D_{min} – minimum shaper cutter diameter (mm)
G_p – profile depth (mm)
d – bore diameter (mm)

Example:

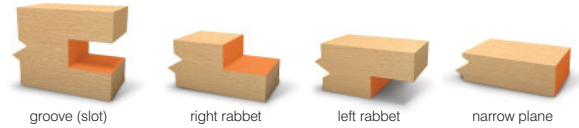
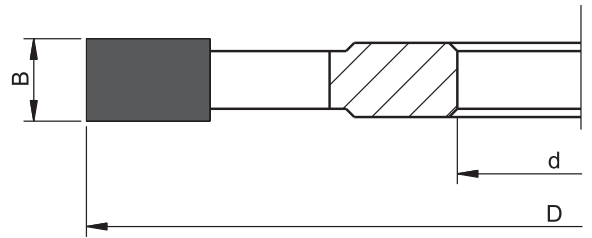
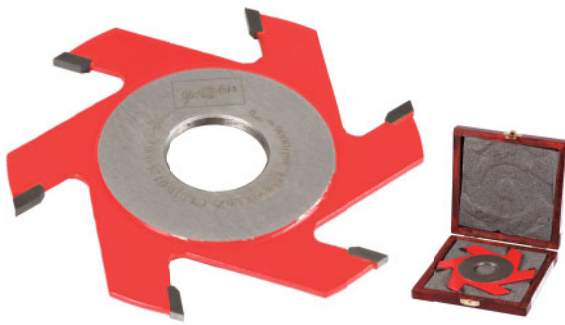
profile depth G_p = 20 mm, edging pass diameter of the shaper cutter d = 30 mm

$$D_{min} = 2 \times 20 + 30 + 55 = 125 \text{ mm}$$



CL010

STRAIGHT GROOVING CUTTERS



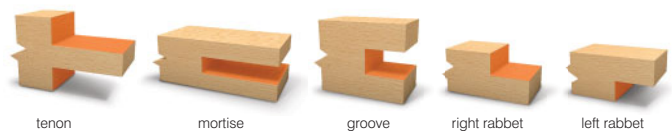
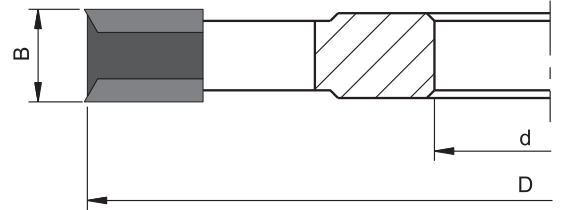
APPLICATION:

- milling of grooves and rebates with rectangular cross-section and narrow planes
- cutters used on low spindle milling machines, single- and double-ended pattern tenoning machines, multi-head planers with mechanical feed

INDEX							
	mm	mm	mm			pcs	
CL010-0125-0001	125	30	3	6		1	5900855000048
CL010-0125-0002	125	30	4	6		1	5900855001793
CL010-0125-0003	125	30	6	6		1	5900855003537
CL010-0125-0004	125	30	8	6		1	5900855023955
CL010-0125-0104	125	40	8	6		1	5900855119955
CL010-0125-0005	125	30	10	6		1	5900855026314
CL010-0125-0105	125	40	10	6		1	5900855119962
CL010-0125-0006	125	30	12	6		1	5900855026451
CL010-0125-0106	125	40	12	6		1	5900855119979
CL010-0125-0007	125	30	20	6		1	5900855154277
CL010-0125-0008	125	30	25	6		1	5900855154284
CL010-0125-0009	125	30	30	6		1	5900855154291
CL010-0125-0010	125	30	35	6		1	5900855154307
CL010-0125-0011	125	30	40	6		1	5900855154314
CL010-0140-0001	140	30	8	6		1	5900855026536
CL010-0140-0002	140	30	10	6		1	5900855026642
CL010-0140-0003	140	30	12	6		1	5900855026727
CL010-0160-0001	160	30	8	6		1	5900855043274
CL010-0160-0002	160	30	10	6		1	5900855044493
CL010-0160-0003	160	30	12	6		1	5900855045070
CL010-0180-0001	180	30	10	6		1	5900855045186
CL010-0180-0002	180	30	12	6		1	5900855045469

CL020

STRAIGHT GROOVING CUTTERS WITH SCORERS



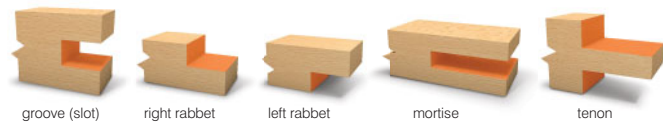
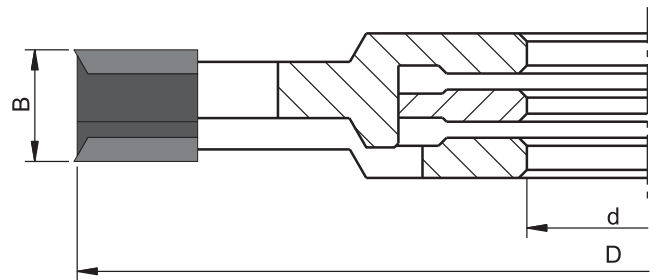
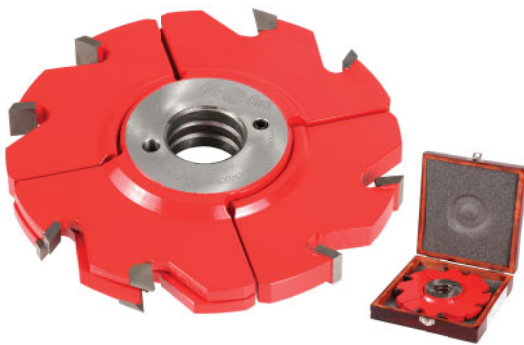
APPLICATION:

- milling of grooves, rebates, tenons and mortises with rectangular cross-section, where high quality of socket side and edge surface is required
- cutters used on low spindle milling machines, single- and double-ended pattern tenoning machines, multi-head planers with mechanical feed

INDEX								
	mm	mm	mm				pcs	
CL020-0120-0001	120	30	4	2		2	1	5900855045643
CL020-0120-0002	120	30	6	2		2	1	5900855045650
CL020-0120-0003	120	30	8	2		2	1	5900855048057
CL020-0120-0004	120	30	10	2		2	1	5900855048392
CL020-0120-0005	120	30	12	2		2	1	5900855048835
CL020-0180-0001	180	30	6	2		2	1	5900855049436
CL020-0180-0002	180	30	8	2		2	1	5900855049993
CL020-0180-0003	180	30	10	2		2	1	5900855050067
CL020-0180-0004	180	30	12	2		2	1	5900855050784

CL050

STRAIGHT GROOVING CUTTERS, ADJUSTABLE WITH SCORERS



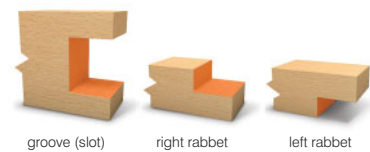
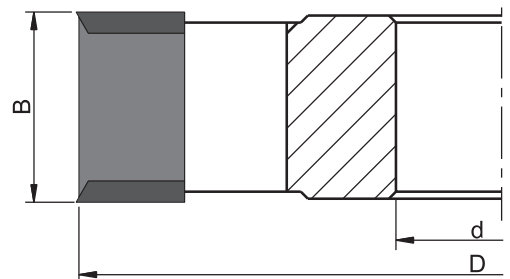
APPLICATION:

- milling of grooves, rebates, tenons and mortises with rectangular cross-section and adjustable milling width
- cutters used on low spindle milling machines, single- and double-ended pattern tenoning machines, multi-head planers with mechanical feed

INDEX							
	mm	mm	mm	1 2...	1 2...	pcs	
CL050-0160-0001	160	30	7,5-28	4+4	2+2	1	5900855056243
CL050-0180-0001	180	30	9,5-36	4+4	2+2	1	5900855056373

CL070

STRAIGHT GROOVING CUTTERHEADS WITH SCORERS



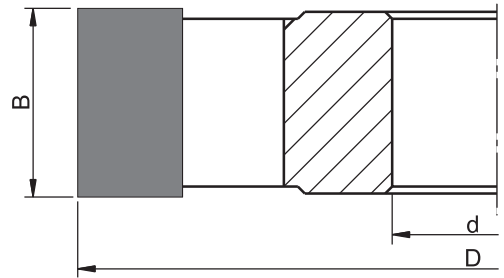
APPLICATION:

- milling of grooves, rebates, tenons and mortises with rectangular cross-section and adjustable milling width, where high quality of socket side and edge surface is required
- cutters used on low spindle milling machines, single- and double-ended pattern tenoning machines, multi-head planers with mechanical feed

INDEX							
	mm	mm	mm	1 2...	1 2...	pcs	
CL070-0120-0001	120	30	60	2	2+2	1	5900855058728
CL070-0120-0002	120	30	80	2	2+2	1	5900855058810

CL071







STRAIGHT PLANING CUTTERS



narrow plane

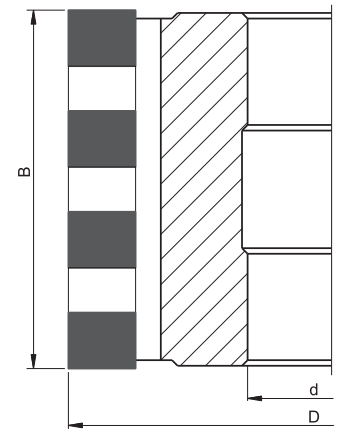
APPLICATION:

- milling of narrow planes
- cutters used on low spindle milling machines, tracing and pattern machines, multi-head planers with mechanical feed

INDEX						
	mm	mm	mm		pcs	
CL071-0090-0002	90	30	50	4	1	5900855130127
CL071-0090-0001	90	40	50	4	1	5900855099592

CL080

MULTICUT SPIRAL CUTTERS WITH A SPLIT CUTTING EDGE









curvilinear surface



narrow and broad plane

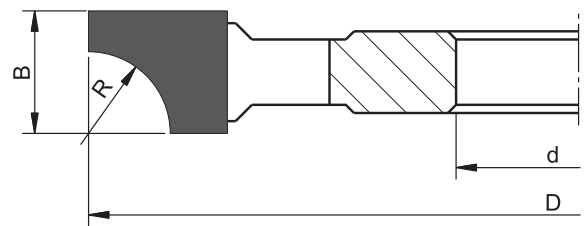
APPLICATION:

- milling of curved planes and surfaces with high and irregular milling allowances
- cutters used on low spindle milling machines, tracing and pattern machines, multi-head planers with mechanical feed

INDEX						
	mm	mm	mm		pcs	
CL080-0100-0001	100	40	80	2+2	1	5900855059664
CL080-0100-0002	100	40	100	2+2	1	5900855061315
CL080-0125-0001	125	40	100	3+3	1	5900855061827
CL080-0125-0002	125	40	125	3+3	1	5900855061834

CL090

PROFILE CUTTERS, QUARTER ROUND, CONCAVE



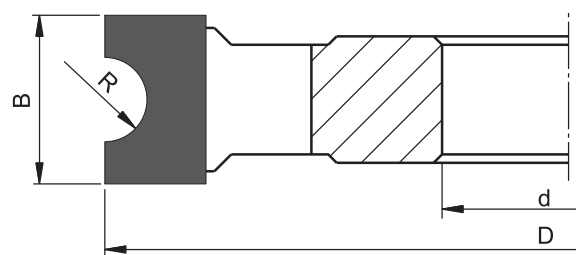
APPLICATION:

- edge rounding, decorative profile milling
- cutters used on low spindle milling machines, single- and double-ended pattern tenoning machines, multi-head planers with mechanical feed

INDEX								
	mm	mm	mm			mm	pcs	
CL090-0120-0001	120	30	10	4	R	5	1	5900855061902
CL090-0120-0002	120	30	10	4	L	5	1	5900855061919
CL090-0120-0102	120	40	10	4	L	5	1	5900855119986
CL090-0120-0003	120	30	13	4	R	8	1	5900855062077
CL090-0120-0004	120	30	13	4	L	8	1	5900855067263
CL090-0120-0009	120	30	15	4	R	10	1	5900855099578
CL090-0120-0010	120	30	15	4	L	10	1	5900855099585
CL090-0120-0005	120	30	17,5	4	R	12,5	1	5900855068048
CL090-0120-0006	120	30	17,5	4	L	12,5	1	5900855069014
CL090-0120-0106	120	40	17,5	4	L	12,5	1	5900855119993
CL090-0120-0007	120	30	20	4	R	15	1	5900855072403
CL090-0120-0008	120	30	20	4	L	15	1	5900855072786
CL090-0120-0108	120	40	20	4	L	15	1	5900855120005
CL090-0160-0001	160	30	23	4	R	18	1	5900855072793
CL090-0160-0002	160	30	23	4	L	18	1	5900855072809
CL090-0160-0003	160	30	25	4	R	20	1	5900855072816
CL090-0160-0004	160	30	25	4	L	20	1	5900855072823

CL100

PROFILE CUTTERS, HALF ROUND, CONCAVE



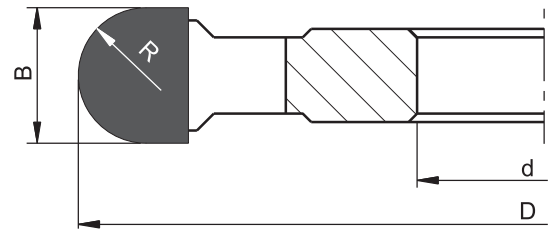
APPLICATION:

- edge rounding, decorative profile milling
- cutters used on low spindle milling machines, single- and double-ended pattern tenoning machines, multi-head planers with mechanical feed

INDEX								
	mm	mm	mm			mm	pcs	
CL100-0100-0001	100	30	20	4		5	1	5900855072830
CL100-0120-0001	120	30	26	4		8	1	5900855072847
CL100-0120-0002	120	30	30	4		10	1	5900855072854
CL100-0120-0003	120	30	35	4		12,5	1	5900855072861
CL100-0120-0103	120	40	35	4		12,5	1	5900855120012
CL100-0120-0004	120	30	40	4		15	1	5900855072878
CL100-0160-0001	160	30	46	4		18	1	5900855072885
CL100-0160-0002	160	30	50	4		20	1	5900855072892
CL100-0160-0003	160	30	60	4		25	1	5900855072908

CL110

PROFILE CUTTERS, HALF ROUND, CONVEX



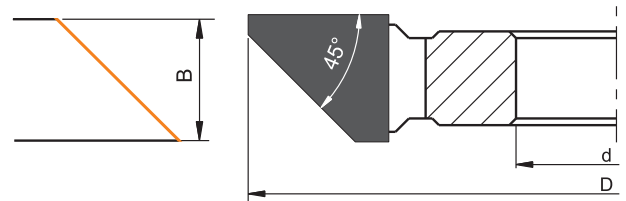
APPLICATION:

- edge rounding, decorative profile milling
- cutters used on low spindle milling machines, single- and double-ended pattern tenoning machines, multi-head planers with mechanical feed

INDEX								
	mm	mm	mm		mm	pcs		
CL110-0125-0001	125	30	8	4	4	1	5900855072915	
CL110-0125-0002	125	30	10	4	5	1	5900855072922	
CL110-0125-0003	125	30	12	4	6	1	5900855072939	
CL110-0125-0004	125	30	14	4	7	1	5900855077170	
CL110-0125-0005	125	30	16	4	8	1	5900855077187	
CL110-0125-0006	125	30	18	4	9	1	5900855077873	
CL110-0125-0007	125	30	20	4	10	1	5900855078634	
CL110-0125-0008	125	30	24	4	12	1	5900855079587	
CL110-0125-0009	125	30	30	4	15	1	5900855080378	
CL110-0160-0001	160	30	16	4	8	1	5900855080385	
CL110-0160-0002	160	30	20	4	10	1	5900855080392	
CL110-0160-0003	160	30	30	4	15	1	5900855080408	

CL120

45° BEVELLING CUTTERS

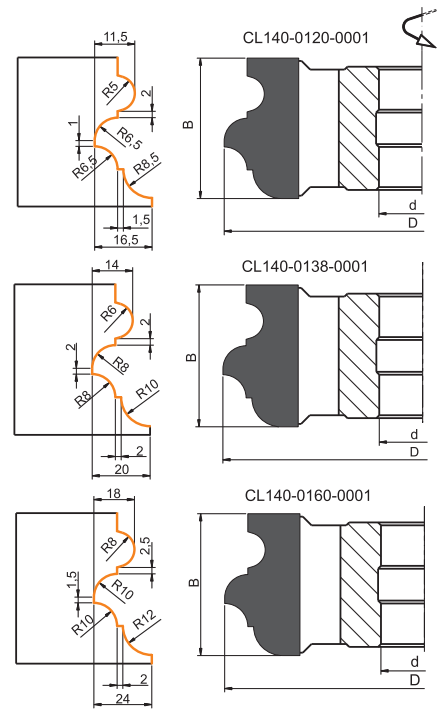


APPLICATION:

- milling of narrow planes at 45 degrees, edge chamfering
- cutters used on low spindle milling machines, single- and double-ended pattern tenoning machines, multi-head planers with mechanical feed

INDEX								
	mm	mm	mm			pcs		
CL120-0120-0001	120	30	15	4	R	1	5900855080415	
CL120-0120-0002	120	30	15	4	L	1	5900855080422	
CL120-0130-0001	130	30	20	4	R	1	5900855080439	
CL120-0130-0002	130	30	20	4	L	1	5900855080446	
CL120-0140-0001	140	30	25	4	R	1	5900855080453	
CL120-0140-0002	140	30	25	4	L	1	5900855080460	
CL120-0160-0001	160	40	35	4	R	1	5900855080477	
CL120-0160-0002	160	40	35	4	L	1	5900855080484	

CL140 PROFILE CUTTERS

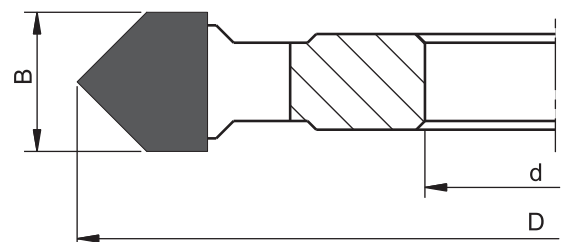


APPLICATION:
 ■ profile milling
 ■ cutters used on low spindle milling machines and multi-head planers with mechanical feed



INDEX							
	mm	mm	mm		pcs		
CL140-0120-0001	120	30	40	4	1	5900855080545	
CL140-0138-0001	138	30	50	4	1	5900855080552	
CL140-0160-0001	160	30	60	4	1	5900855080569	

CL150 V-GROOVING CUTTERS

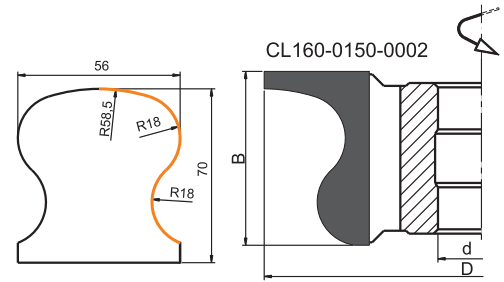
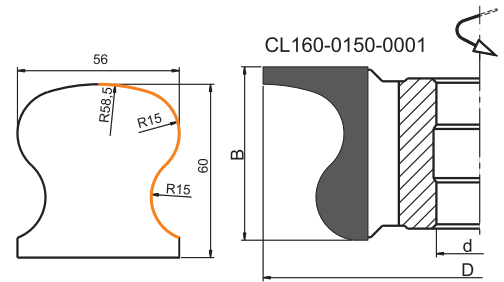


APPLICATION:
 ■ milling of grooves, edge chamfering
 ■ cutters used on low spindle milling machines, single- and double-ended pattern tenoning machines, multi-head planers with mechanical feed

INDEX							
	mm	mm	mm		pcs		
CL150-0140-0001	140	30	10	4	1	5900855080576	
CL150-0140-0101	140	40	10	4	1	5900855120029	
CL150-0140-0002	140	30	15	4	1	5900855080583	
CL150-0140-0003	140	30	20	4	1	5900855080590	

CL160

CUTTERS FOR RAILS



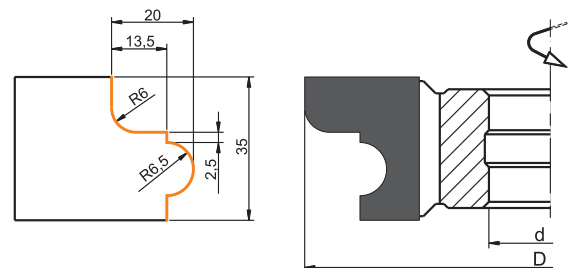
APPLICATION:

- profile milling of stairs rails
- cutters used on low spindle milling machines and multi-head planers with mechanical feed

INDEX						
	mm	mm	mm		pcs	
CL160-0150-0001	150	30	60	2	1	5900855080606
CL160-0150-0002	150	30	70	4	1	5900855080613

CL190

PROFILE CUTTERS

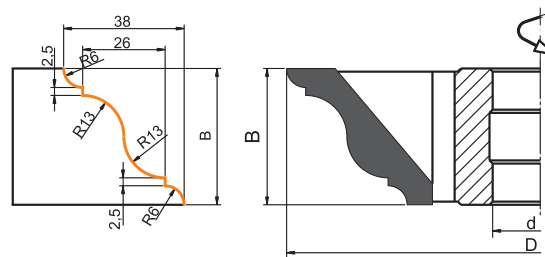


APPLICATION:

- profile milling
- cutters used on low spindle milling machines and multi-head planers with mechanical feed

INDEX						
	mm	mm	mm		pcs	
CL190-0120-0001	120	30	35	4	1	5900855080668

CL200 PROFILE CUTTERS



APPLICATION:
 ■ profile milling
 ■ cutters used on low spindle milling machines and multi-head planers with mechanical feed

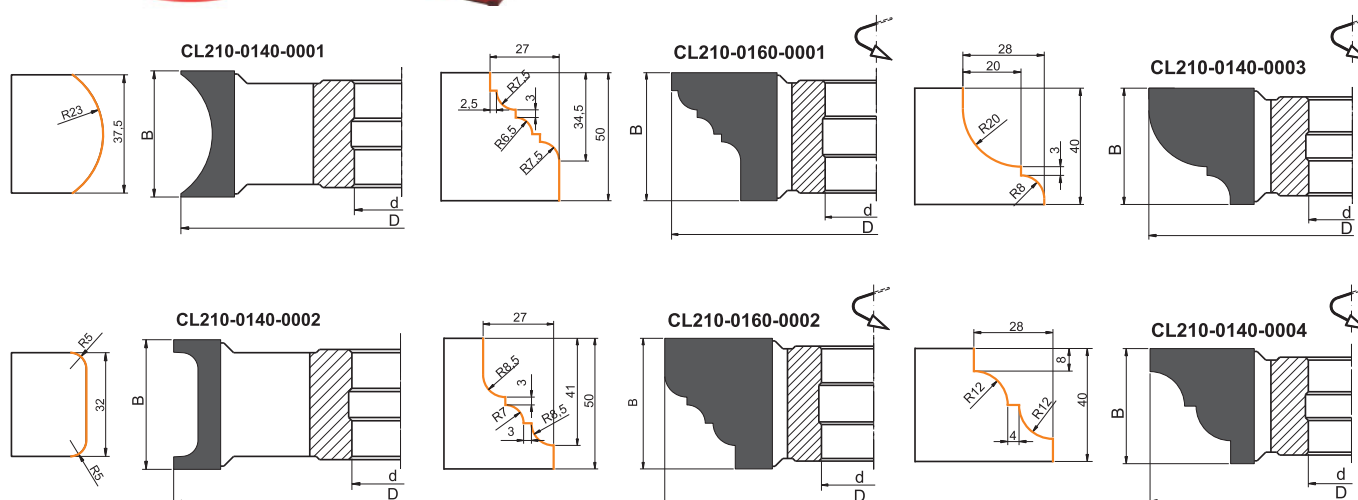


INDEX							
	mm	mm	mm		pcs		
CL200-0160-0001	160	30	40	4	1		5900855080675

CL210 PROFILE CUTTERS



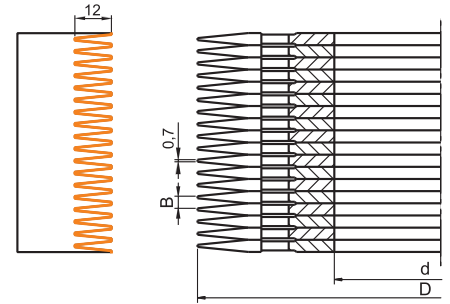
APPLICATION:
 ■ profile milling
 ■ cutters used on low spindle milling machines and multi-head planers with mechanical feed



INDEX							
	mm	mm	mm		pcs		
CL210-0140-0001	140	30	40	3	1		5900855080682
CL210-0140-0002	140	30	40	3	1		5900855080699
CL210-0140-0003	140	30	40	3	1		5900855080705
CL210-0140-0004	140	30	40	3	1		5900855080712
CL210-0160-0001	160	40	50	4	1		5900855080729
CL210-0160-0002	160	40	50	4	1		5900855080736







CL230

SETS OF FINGER JOINT CUTTERS



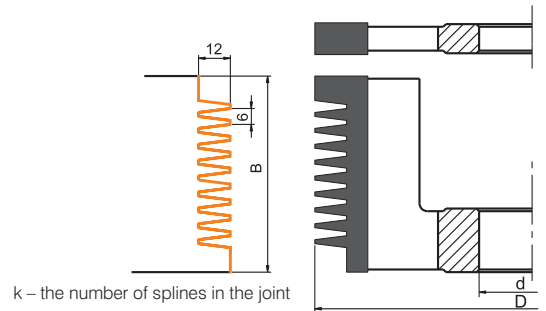
APPLICATION:

- execution of stake keying on faces of joined elements with a V-pattern contact on a wide plane
- cutters used on low spindle milling machines, single- and double-ended pattern tenoning machines with mechanical feed

INDEX						
	mm	mm	mm		pcs	
CL230-0160-0001	160	70	4	2	1	5900855080811
CL230-0160-0002	160	70	4	4	1	5900855080828
CL230-0160-0003	160	70	3,8	4	1	5900855117548








CL240

ADJUSTABLE GLUE JOINT CUTTERS

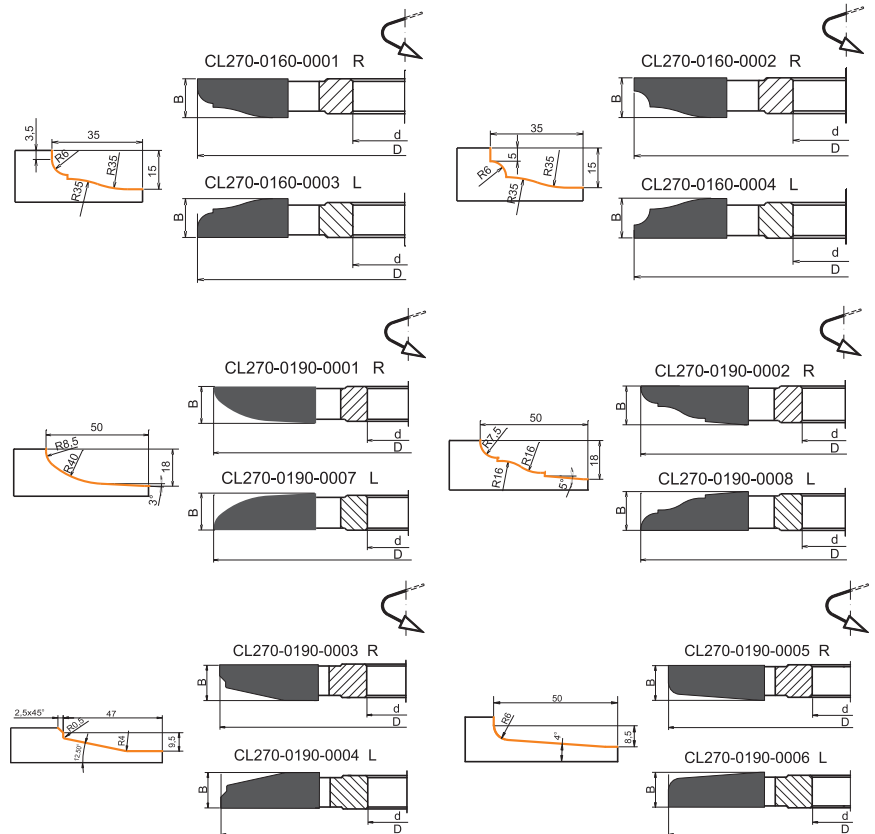


APPLICATION:

- execution of stake keying on faces of joined elements with a line contact on narrow planes with adjustable joint width
- cutters used on low spindle milling machines, single- and double-ended pattern tenoning machines with mechanical feed

INDEX							
	mm	mm	mm			pcs	
CL240-0140-0001	140	40	20-70	3	2-9	1	5900855080835
CL240-0140-0002	140	40	35-100	3	5-15	1	5900855080842

CL270 PANEL RAISING CUTTERS

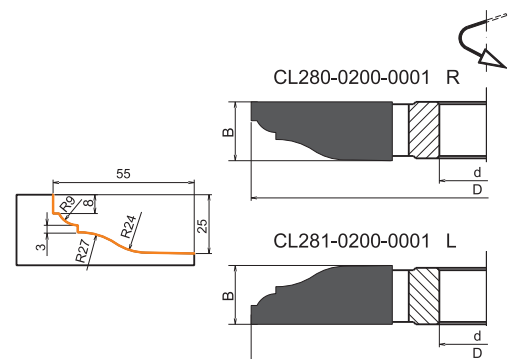


APPLICATION:

- profile milling of door panels and furniture door panels
- cutters used on low spindle milling machines with mechanical feed

INDEX							
CL270-0160-0001	mm	mm	mm	4	R	pcs	
CL270-0160-0002	160	40	15	4	R	1	5900855080880
CL270-0160-0003	160	40	15	4	L	1	5900855080897
CL270-0160-0004	160	40	15	4	L	1	5900855147590
CL270-0190-0003	190	40	12	4	R	1	5900855147606
CL270-0190-0004	190	40	12	4	R	1	5900855118941
CL270-0190-0005	190	40	12	4	L	1	5900855118958
CL270-0190-0006	190	40	12	4	L	1	5900855118965
CL270-0190-0001	190	40	18	4	R	1	5900855118972
CL270-0190-0002	190	40	18	4	R	1	5900855080903
CL270-0190-0007	190	40	18	4	L	1	5900855080910
CL270-0190-0008	190	40	18	4	L	1	5900855147613
CL270-0190-0008	190	40	18	4	L	1	5900855147620

CL280 PANEL RAISING PROFILE CUTTERS



APPLICATION:

- profile milling of door panels and furniture door panels
- cutters used on low spindle milling machines with mechanical feed

INDEX							
CL280-0200-0001	mm	mm	mm	2+2	R	pcs	
CL280-0200-0001	200	40	25	2+2	R	1	5900855080927
CL281-0200-0001	200	40	25	2+2	L	1	5900855153225

CL290

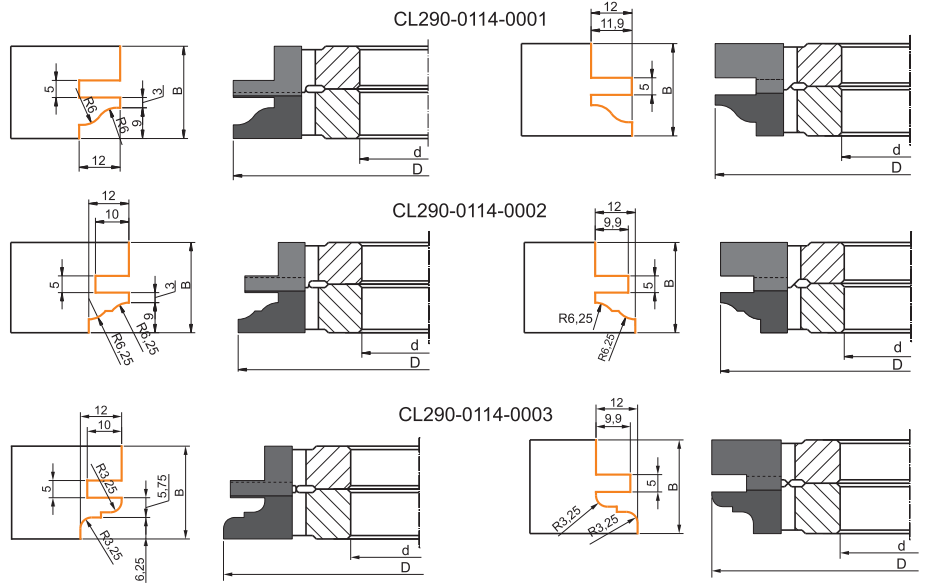
STILE AND RAIL FURNITURE DOOR SHAPER CUTTER SETS



longitudinal profile



lateral profile



APPLICATION:

- inner longitudinal and lateral profile milling of furniture door stiles and rails
- cutters used on low spindle milling machines with mechanical feed

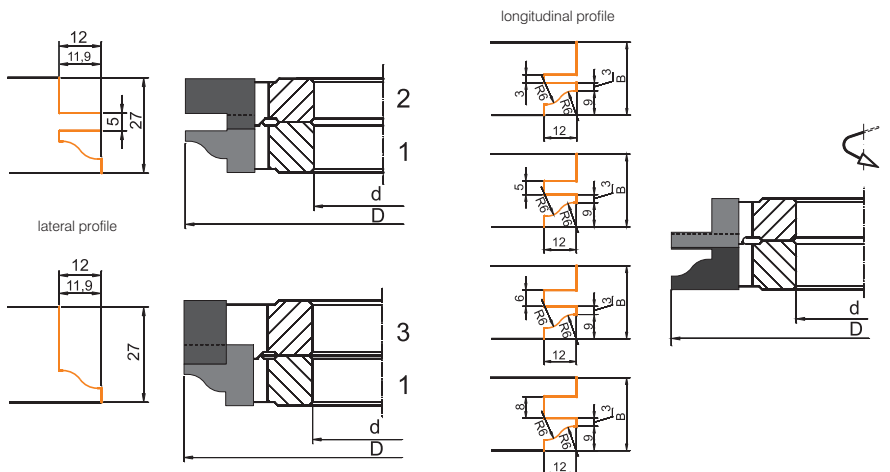
INDEX						
	mm	mm	mm		pcs	
CL290-0114-0001	114	40	22-27	4	1	5900855080934
CL290-0114-0002	114	40	22-27	4	1	5900855080941
CL290-0114-0003	114	40	22-27	4	1	5900855080958

INFO: 1 pc of indexes mentioned above e.g. CL290-0114-0001 includes set of cutters for profile and counter profile.

CL291

STILE AND RAIL FURNITURE DOOR SHAPER CUTTER SETS

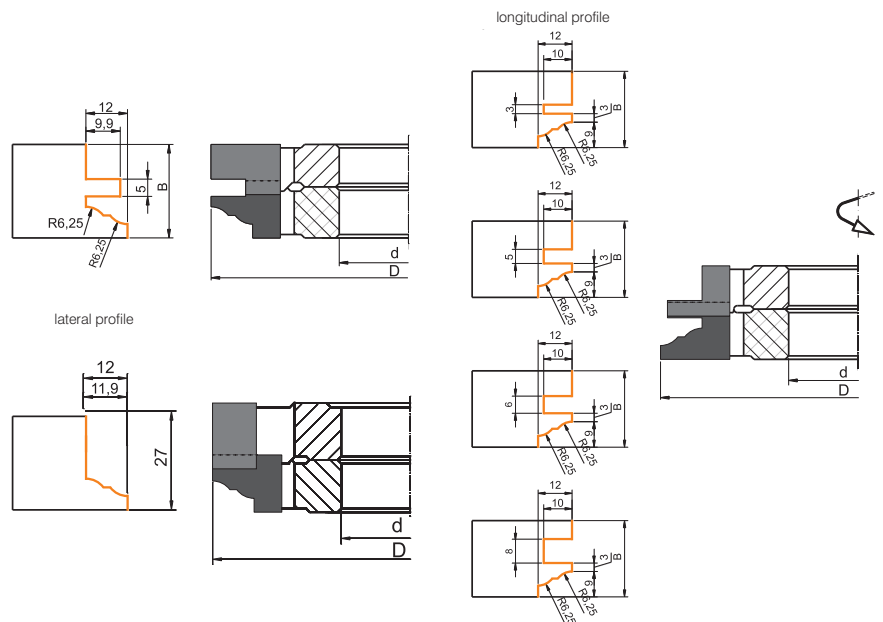
with soldered HM knives



CL291







STILE AND RAIL FURNITURE DOOR SHAPER CUTTER SETS

with soldered HM knives



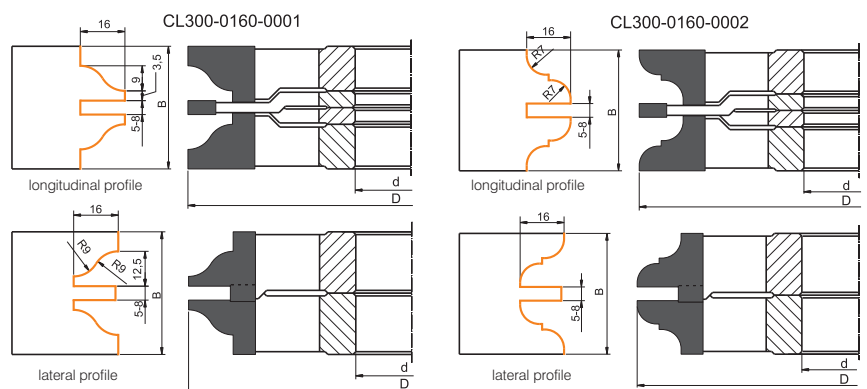
APPLICATION:

- inner longitudinal and lateral profile milling of furniture door stiles and rails with varied options of outer part of furniture door stiles and rails
- cutters used on low spindle milling machines with mechanical feed

INDEX						
	mm	mm	mm		pcs	
CL291-0114-0001	114	40	22-27	4	1	5900855132367
CL291-0114-0002	114	40	22-27	4	1	5900855136600







CL300

STILE AND RAIL DOOR SHAPER CUTTER SETS



APPLICATION:

- inner longitudinal and lateral profile milling of door stiles and rails
- cutters used on low spindle milling machines with mechanical feed

INDEX						
	mm	mm	mm		pcs	
CL300-0160-0001	160	40	35-42	4	1	5900855080965
CL300-0160-0002	160	40	35-42	4	1	5900855080972

INFO: 1 pc of indexes mentioned above e.g. CL300-0160-0001 includes set of cutters for profile and counter profile.

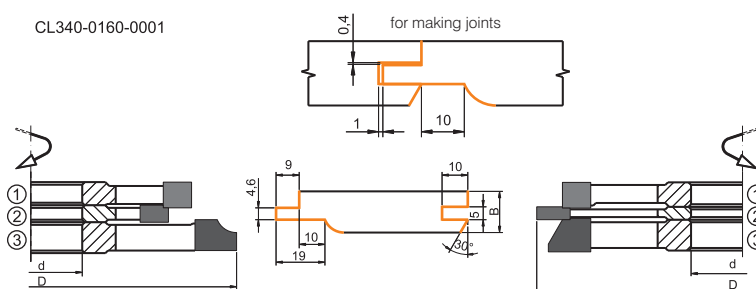
CL340

PANELING SHAPER CUTTER SETS

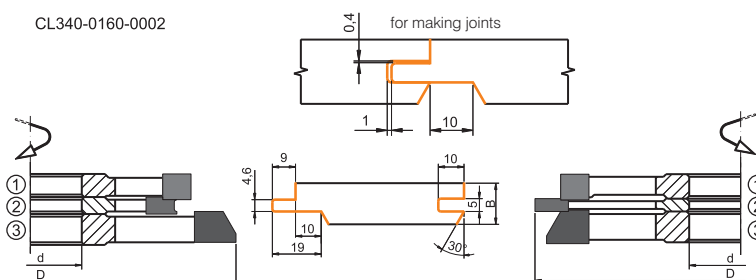
(tongue&groove)



CL340-0160-0001



CL340-0160-0002



APPLICATION:

- milling of longitudinal wainscot board profile
- cutters used on low spindle milling machines and multi-head planers with mechanical feed

INDEX							
CL340-0160-0001	mm	mm	mm	1	2...	pcs	5900855081047
CL340-0160-0002	160	40	40	17-21	6	1	5900855081054

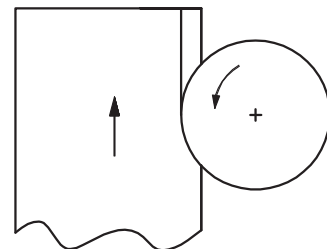
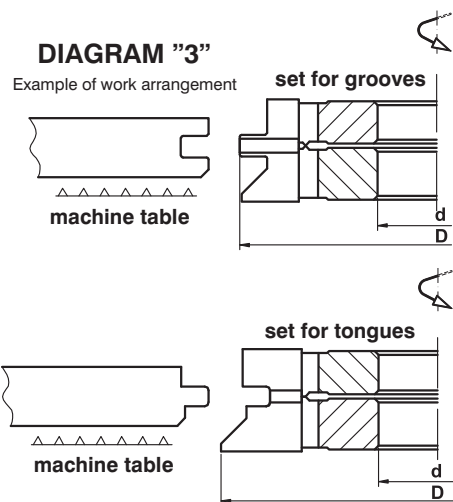
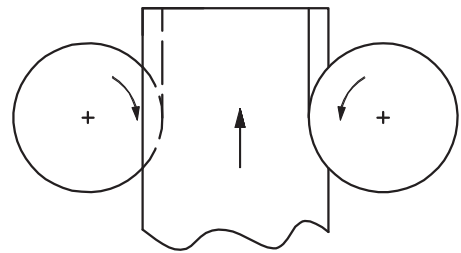
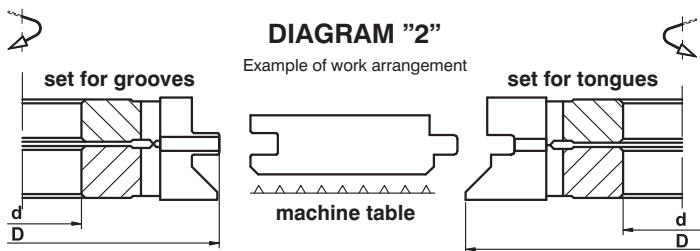
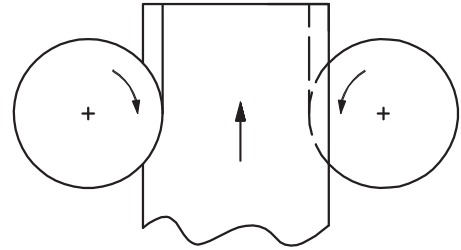
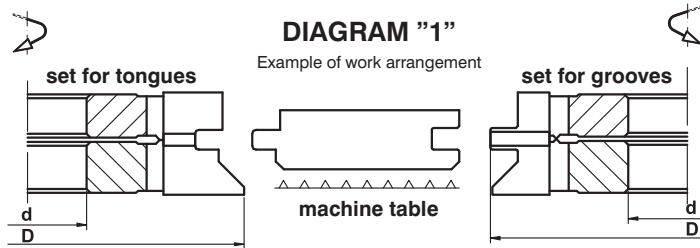
INFO: 1 pc of indexes mentioned above e.g. CL340-0160-0001 includes a set of cutters for tongue and a set of cutters for groove.

DIAGRAM INFORMATION
SHAPER CUTTERS WITH BRAZED HSS KNIVES

Shaper cutter sets are manufactured for multi-sided machinery according to diagram "1".

Upon request, we make shaper cutters according to diagram "2".

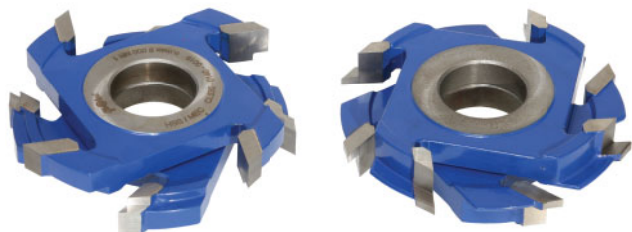
For single-sided machines (milling machines), we make shaper cutters according to diagram "3". It is also possible to make a different version than shown in the diagrams.



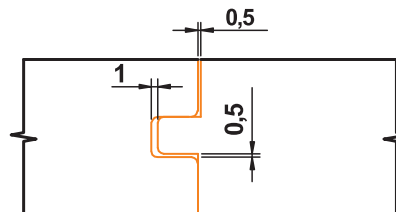
CL530

FLOORING SHAPER CUTTER SETS "ZFP.01"

(tongue&groove)



JOINT OBTAINED



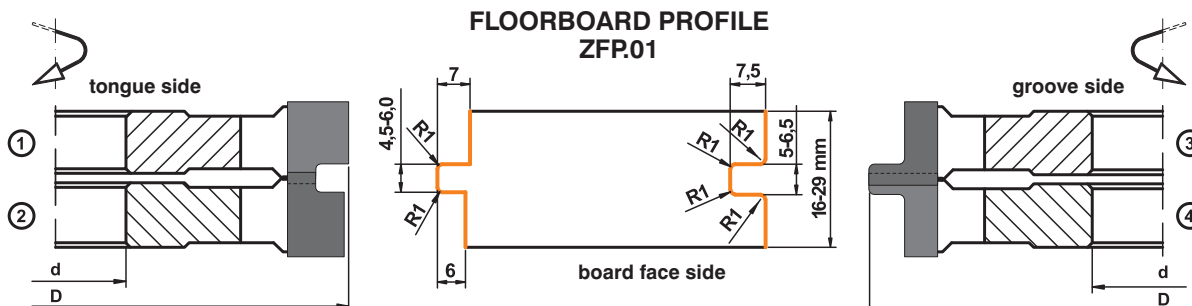
board face side

APPLICATION:

- longitudinal milling of wainscot board
- cutters used on multi-head planers and low spindle milling machines with mechanical feed
- cut material thickness range: 16-29 mm

WARNING!

Standard cutters are made for double-sided machines according to "Diagram 1". If the shaper cutters are to be used on single-spindle machines, please specify this in the order!



INDEX	type					knife material	n max		
		mm	mm	mm			rev/min	set	
CL530-0140-0019	ZFP01	140	40	16-29	4	HSS	9500	1	5900855121422

TYPE DIMENSION TABLE

D (mm)	125	140	160	180
z	4	4	4	4
n max (rev/min)	10500	9000	8000	7000
d max=25 (mm)	○	○	○	○
d max=30 (mm)	○	○	○	○
d max=35 (mm)	○	○	○	○
d max=40 (mm)	○	●	○	○
d max=50 (mm)	○	○	○	○

ADDITIONAL INFORMATION

- the shaper cutter in the given type dimension is in stock
- the shaper cutter in the given type dimension is manufactured on request
- we make shaper cutters with different dimensions and a different number of teeth, which are subject to individual pricing
- shaper cutters can be made with a hole diameter of: 25; 30; 35; 40; 50 mm, but not greater than "d max" specified in the table

HOW TO ORDER:

When ordering please specify:

- set symbol, e.g.: ZFP01
- outer diameter e.g.: D=140 mm
- hole diameter e.g.: d=25 mm
- knife material: HM or HSS

An example of an order:

ZFP.01 / D140 / d25 / HSS

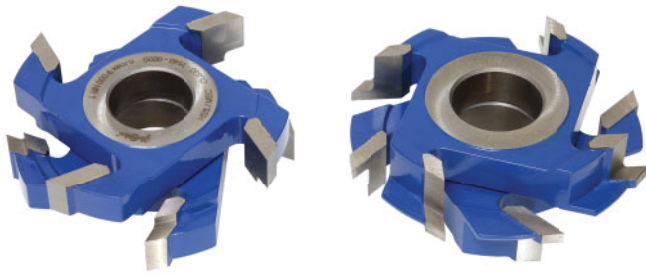
Related products:

- spacers – CL920
- bushings with a collar – CL900, CL901, CL910

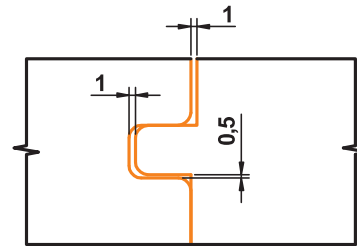
CL530

FLOORING SHAPER CUTTER SETS "ZFP.02"

(tongue&groove)



JOINT OBTAINED



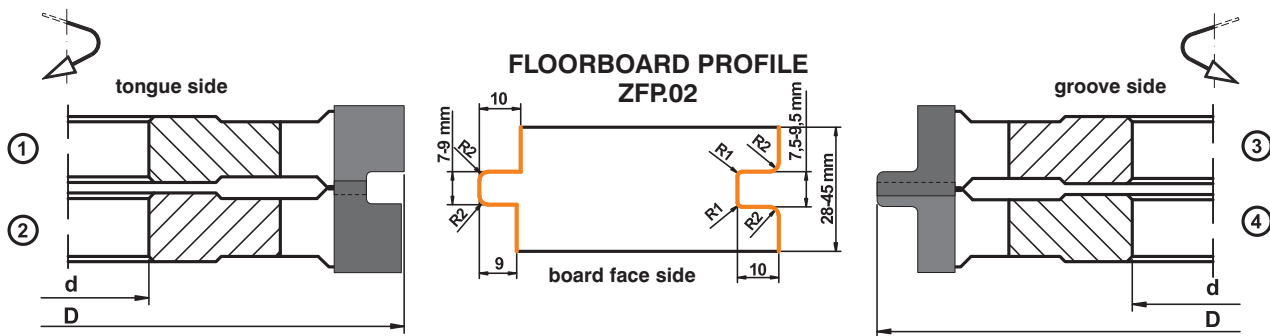
board face side

APPLICATION:

- longitudinal milling of wainscot board
- cutters used on multi-head planers and low spindle milling machines with mechanical feed
- cut material thickness range: 28-45 mm

WARNING!

Standard cutters are made for double-sided machines according to "Diagram 1". If the shaper cutters are to be used on single-spindle machines, please specify this in the order!



INDEX	type					knife material	n max		
		mm	mm	mm			rev/min	set	
CL530-0140-0020	ZFP02	140	40	28-45	4	HSS	9500	1	5900855121439

TYPE DIMENSION TABLE				
D (mm)	125	140	160	180
z	4	4	4	4
n max (rev/min)	10500	9000	8000	7000
d max=25 (mm)				
d max=30 (mm)				
d max=35 (mm)				
d max=40 (mm)				
d max=50 (mm)				

ADDITIONAL INFORMATION

- the shaper cutter in the given type dimension is in stock
- the shaper cutter in the given type dimension is manufactured on request
- we make shaper cutters with different dimensions and a different number of teeth, which are subject to individual pricing
- shaper cutters can be made with a hole diameter of: 25; 30; 35; 40; 50 mm, but not greater than "d max" specified in the table

HOW TO ORDER:

- When ordering please specify:
- set symbol, e.g.: ZFP02
 - outer diameter e.g.: D=140 mm
 - hole diameter e.g.: d=25 mm
 - knife material: HM or HSS

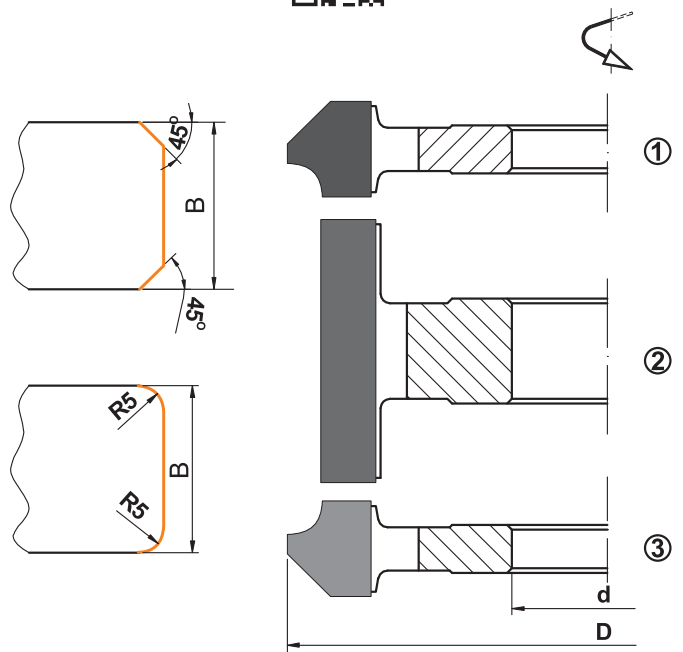
An example of an order:
ZFP.02 / D140 / d25 / HSS

Related products:

- spacers – CL920
- bushings with a collar – CL900, CL901, CL910

CL540

SETS OF CHAMFERING AND ROUNDING CUTTERS "ZZF"



APPLICATION:

- chamfering or rounding the edge of wooden elements
- cutters used on multilateral planers with mechanical feed and bottom spindle moulders
- workpiece thickness range 16-105 mm depending on the set, adjustable with spacers

INDEX	type					knife material	n max rev/min		
		mm	mm	mm				set	
● CL540-0134-0001	ZZF.01	134	40	16-35	4	HSS	9500	1	5900855165563
● CL540-0134-0002	ZZF.02	134	40	26-60	4	HSS	9500	1	5900855165570
● CL540-0134-0003	ZZF.03	134	40	36-85	4	HSS	9500	1	5900855165587
● CL540-0134-0004	ZZF.04	134	40	46-105	4	HSS	9500	1	5900855165594

TYPE DIMENSION TABLE

D (mm)	134	164	184
z	4	4	4
n max (rev/min)	9500	8000	7500
d max=25 (mm)	○	○	○
d max=30 (mm)	○	○	○
d max=35 (mm)	○	○	○
d max=40 (mm)	●	○	○
d max=50 (mm)	○	○	○

ADDITIONAL INFORMATION

- the shaper cutter in the given type dimension is in stock
- the shaper cutter in the given type dimension is manufactured on request
- we make shaper cutters with different dimensions and a different number of teeth, which are subject to individual pricing
- shaper cutters can be made with a hole diameter of: 25; 30; 35; 40; 50 mm, but not greater than "d max" specified in the table

HOW TO ORDER:

When ordering please specify:

- set symbol, e.g.: ZZF.01
- outer diameter e.g.: D=134 mm
- hole diameter e.g.: d=40 mm
- knife material: HM or HSS

An example of an order:

ZZF.01 / D134 / d40 / HSS

Related products:

- spacers – CL920
- bushings with a collar – CL900, CL901, CL910

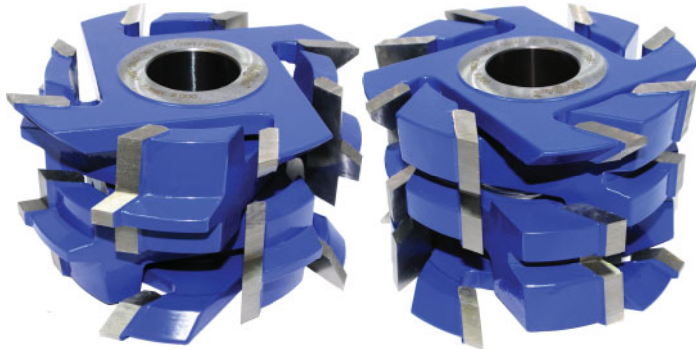
Equivalents to the indexes from CATALOGUE 2012:

NEW INDEX	OLD INDEX
CL540-0134-0001	CL530-0134-0002
CL540-0134-0002	CL530-0134-0001
CL540-0134-0003	CL530-0134-0009
CL540-0134-0004	CL530-0134-0010

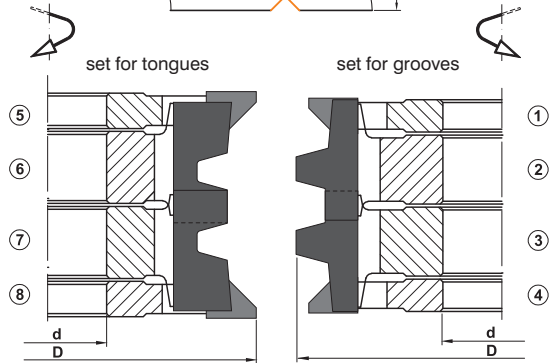
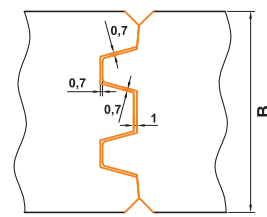
CL550

CUTTER SETS "ZSD.01"

for wooden walls



JOINT OBTAINED



APPLICATION:

- longitudinal milling of wooden planks for walls
- shaper cutters used on multi-sided planing machines with a mechanical feed and bottom spindle milling machines
- range of thickness of the workpiece in the table below – with adjustment using spacers

INDEX	type					knife material	n max		
		mm	mm	mm	2...		rev/min	set	
● CL550-0160-0001	ZSD.01	160	40	50-90	4	HSS	8000	1	5900855165600
● CL550-0160-0002	ZSD.01	160	40	90-110	4	HSS	8000	1	5900855165617

TYPE DIMENSION TABLE

D (mm)	160	180
z	4	4
n max (rev/min)	8000	7500
d max=25 (mm)	○	○
d max=30 (mm)	○	○
d max=35 (mm)	○	○
d max=40 (mm)	●	○
d max=50 (mm)	○	○

ADDITIONAL INFORMATION

- the shaper cutter in the given type dimension is in stock
- the shaper cutter in the given type dimension is manufactured on request
- we make shaper cutters with different dimensions and a different number of teeth, which are subject to individual pricing
- shaper cutters can be made with a hole diameter of: 25; 30; 35; 40; 50 mm, but not greater than "d max" specified in the table

HOW TO ORDER:

When ordering please specify:

- set symbol, e.g.: ZSD.01
- outer diameter e.g.: D=160 mm
- hole diameter e.g.: d=40 mm
- knife material: HSS blades

An example of an order:
ZSD.01 / D160 / d40 / HSS

Related products:

- spacers – CL920
- bushings with a collar – CL900, CL901, CL910

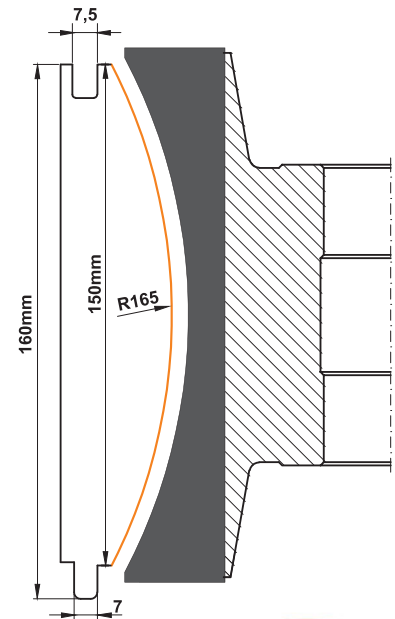
Equivalents to the indexes from CATALOGUE 2012:

NEW INDEX	OLD INDEX
CL550-0160-0001	CL530-0160-0042
CL550-0160-0002	CL530-0160-0041

CL560

CUTTERS "ZIB.01"

for logs imitation



APPLICATION:

- longitudinal milling of boards with making a certain radius on the workpiece
- shaper cutters used on multi-sided planing machines – mainly on horizontal spindles with a mechanical feed and bottom spindle milling machines

INDEX	type					knife material	n max		
		mm	mm	mm	2...		rev/min	set	
● CL560-0160-0001	ZIB.01	160	40	108	4	HSS	8000	1	5900855165624
● CL560-0160-0002	ZIB.01	160	40	160	4	HSS	8000	1	5900855165631
● CL560-0160-0003	ZIB.01	160	40	212	4	HSS	8000	1	5900855165648

TYPE DIMENSION TABLE

D (mm)	160	180	200
z	4	4	4
n max (rev/min)	8000	7500	6400
d max=25 (mm)	○	○	○
d max=30 (mm)	○	○	○
d max=35 (mm)	○	○	○
d max=40 (mm)	●	○	○
d max=50 (mm)	○	○	○

ADDITIONAL INFORMATION

- the shaper cutter in the given type dimension is in stock
- the shaper cutter in the given type dimension is manufactured on request
- we make shaper cutters with different dimensions and a different number of teeth, which are subject to individual pricing
- shaper cutters can be made with a hole diameter of: 25; 30; 35; 40; 50 mm, but not greater than "d max" specified in the table

HOW TO ORDER:

When ordering please specify:

- set symbol, e.g.: ZIB.01
- outer diameter e.g.: D = 160 mm
- hole diameter e.g.: d = 40 mm
- knife material: HM or HSS

An example of an order:
ZIB.01 / D160 / d40 / HSS

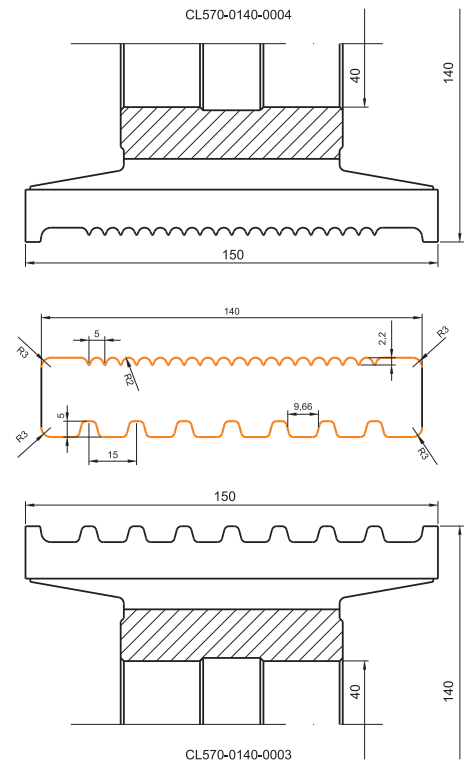
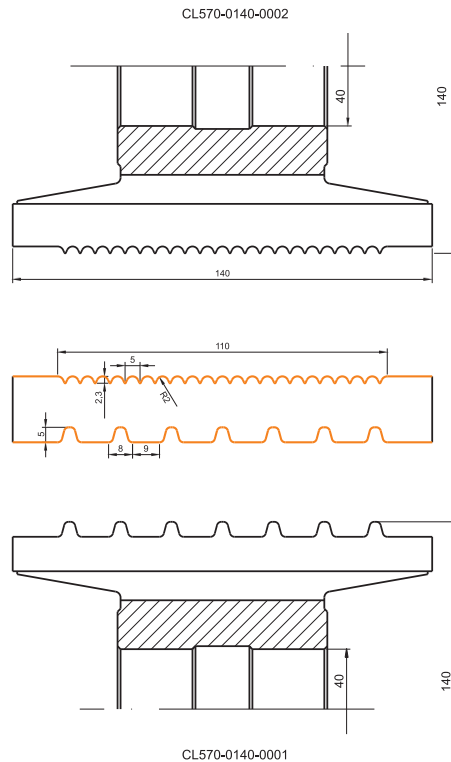
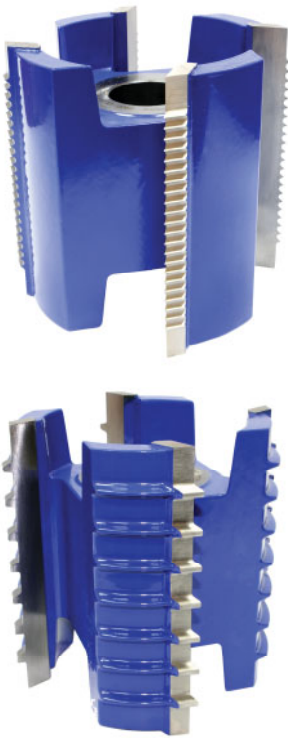
Related products:

- spacers – CL920
- bushings with a collar – CL900, CL901, CL910

CL570

CUTTER SETS "ZDT"

for terrace boards



APPLICATION:

- longitudinal milling of terrace boards
- cutters used on multilateral planers with mechanical feed and bottom spindle moulders
- can work individually or in sets

INDEX	type					knife material	n max		
		mm	mm	mm			rev/min	set	
● CL570-0140-0001	ZDT.01	140	40	140	4	HSS	9000	1	5900855165655
● CL570-0140-0002	ZDT.01	140	40	140	4	HSS	9000	1	5900855165662
● CL570-0140-0003	ZDT.02	140	40	150	4	HSS	9000	1	5900855165679
● CL570-0140-0004	ZDT.02	140	40	150	4	HSS	9000	1	5900855165686

TYPE DIMENSION TABLE

D (mm)	140	160	180
z	4	4	4
n max (rev/min)	9000	8000	7500
d max=25 (mm)	○	○	○
d max=30 (mm)	○	○	○
d max=35 (mm)	○	○	○
d max=40 (mm)	●	○	○
d max=50 (mm)	○	○	○

ADDITIONAL INFORMATION

- the shaper cutter in the given type dimension is in stock
- the shaper cutter in the given type dimension is manufactured on request
- we make shaper cutters with different dimensions and a different number of teeth, which are subject to individual pricing
- shaper cutters can be made with a hole diameter of: 25; 30; 35; 40; 50 mm, but not greater than "d max" specified in the table

HOW TO ORDER:

When ordering please specify:

- set symbol, e.g.: ZDT.01
- outer diameter e.g.: D=140 mm
- hole diameter e.g.: d=40 mm
- knife material: HSS blades

An example of an order:
ZDT.01 / D140 / d40 / HSS

Related products:

- spacers – CL920
- bushings with a collar – CL900, CL901, CL910

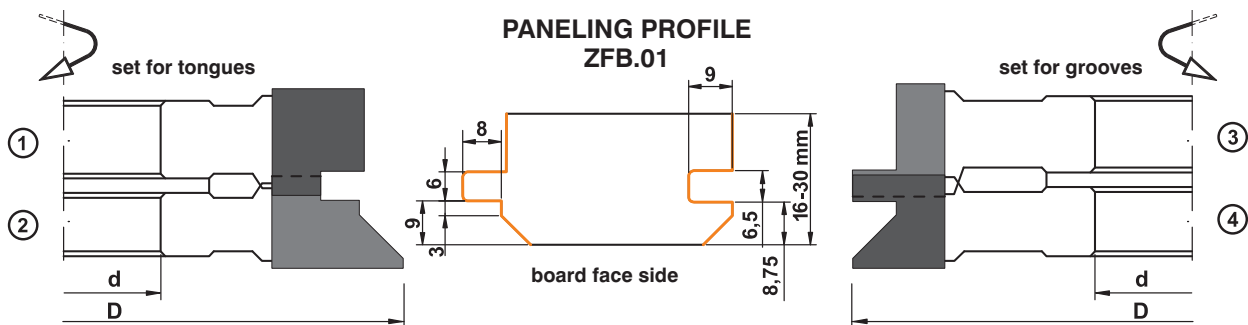
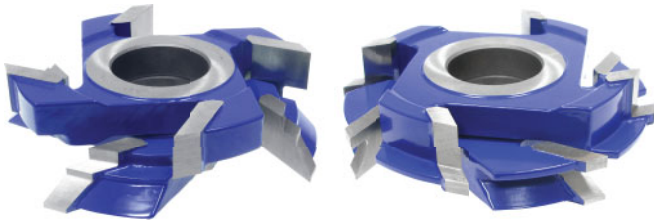
Equivalents to the indexes from CATALOGUE 2012:

NEW INDEX	OLD INDEX
CL570-0140-0001	CL530-0140-0063
CL570-0140-0002	CL530-0140-0064
CL570-0140-0003	CL530-0140-0065
CL570-0140-0004	CL530-0140-0066

CL580

PANELING SHAPER CUTTER SETS "ZFB.01"

(tongue&groove)



APPLICATION:

- longitudinal milling of wainscot board
- cutters used on multi-head planers with mechanical feed and low spindle milling machines
- cut material thickness range: 16-30 mm

WARNING!

Standard cutters are made for double-sided machines according to "Diagram 1". If the shaper cutters are to be used on single-spindle machines, please specify this in the order!



INDEX	type					knife material	n max		
		mm	mm	mm			rev/min	set	
● CL580-0140-0001	ZFB.01	140	40	16-30	4	HSS	9500	1	5900855165693

TYPE DIMENSION TABLE

D (mm)	125	140	160	180
z	4	4	4	4
n max (rev/min)	10500	9000	8000	7500
d max=25 (mm)	○	○	○	○
d max=30 (mm)	○	○	○	○
d max=35 (mm)	○	○	○	○
d max=40 (mm)	○	●	○	○
d max=50 (mm)	○	○	○	○

ADDITIONAL INFORMATION

- the shaper cutter in the given type dimension is in stock
- the shaper cutter in the given type dimension is manufactured on request
- we make shaper cutters with different dimensions and a different number of teeth, which are subject to individual pricing
- shaper cutters can be made with a hole diameter of: 25; 30; 35; 40; 50 mm, but not greater than "d max" specified in the table

HOW TO ORDER:

When ordering please specify:

- set symbol, e.g.: ZDT.01
- outer diameter e.g.: D=140 mm
- hole diameter e.g.: d=40 mm
- knife material: HM or HSS

An example of an order:
ZDT.01 / D140 / d40 / HSS

Related products:

- spacers – CL920
- bushings with a collar – CL900, CL901, CL910

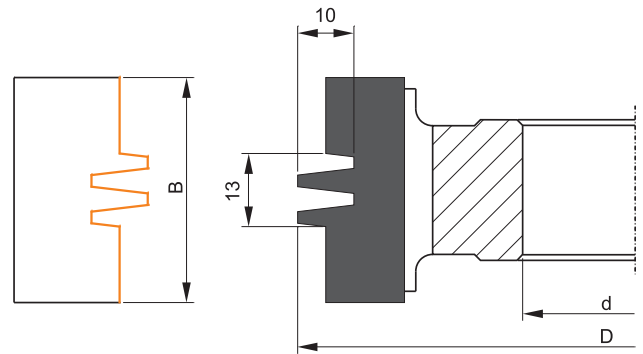
Equivalents to the indexes from CATALOGUE 2012:

NEW INDEX	OLD INDEX
CL580-0140-0001	CL530-0140-0049

CL600

GLUE JOINT CUTTERS

(longitudinal connection)



APPLICATION:

- execution of stake keying on faces of joined elements with a line contact along the plane (teeth hidden under the joint line)
- longitudinal connection of raw wood
- cutters used on low spindle milling machines, single- and double-ended pattern tenoning machines with mechanical feed

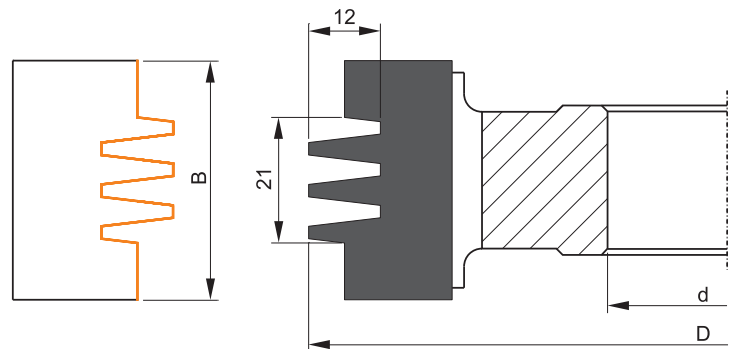


INDEX										n max		
	mm	mm	mm	mm	mm	mm	mm	mm	mm	rev/min	pcs	
CL600-0140-0001	140	40	20 - 50	10	13	2	4	9500	1	9500	1	5900855162975
CL600-0140-0002	140	40	20 - 60	10	13	2	4	9500	1	9500	1	5900855162982

CL601

GLUE JOINT CUTTERS

(longitudinal connection)



APPLICATION:

- execution of stake keying on faces of joined elements with a line contact along the plane (teeth hidden under the joint line)
- longitudinal connection of raw wood
- cutters used on low spindle milling machines, single- and double-ended pattern tenoning machines with mechanical feed

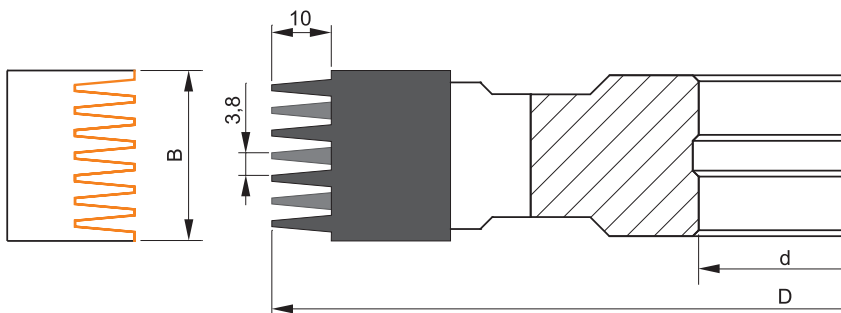


INDEX										n max		
	mm	mm	mm	mm	mm	mm	mm	mm	mm	rev/min	pcs	
CL601-0140-0001	140	40	25 - 40	12	21	3	4	9500	1	9500	1	5900855162999
CL601-0140-0002	140	40	25 - 50	12	21	3	4	9500	1	9500	1	5900855163002
CL601-0140-0003	140	40	25 - 60	12	21	3	4	9500	1	9500	1	5900855163019

CL602

GLUE JOINT CUTTERS

(longitudinal connection)



APPLICATION:

- execution of stake keying on faces of joined elements with a V-pattern contact on a wide plane
- longitudinal connection of raw wood
- possible combining of single cutters in sets
- cutters used on low spindle milling machines, single- and double-ended pattern tenoning machines with mechanical feed

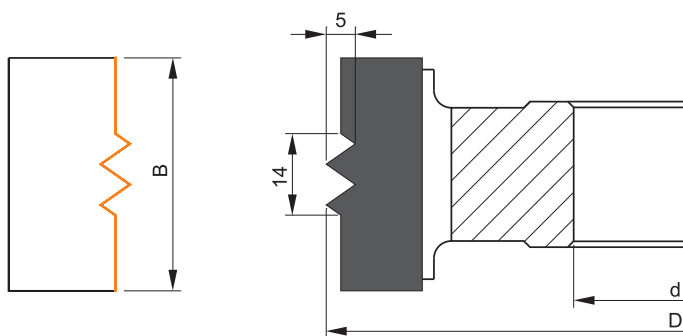


INDEX								n max		
CL602-0250-0001	mm 250	mm 50	mm 28,6	mm 10	mm 3,8	7	6	rev/min 5500	pcs 1	5900855164092

CL610

GLUE JOINT CUTTERS

(cross-connection)



APPLICATION:

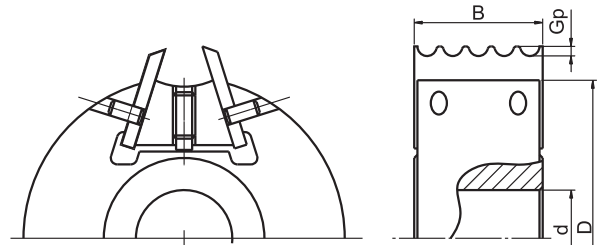
- execution of stake keying on side planes of joined elements (cross-connection) with a line contact on narrow planes
- cross-connection of raw wood
- cutters used on low spindle milling machines, single- and double-ended pattern tenoning machines with mechanical feed



INDEX								n max		
CL610-0140-0001	mm 140	mm 40	mm 18 - 50	mm 5	mm 14	2	4	rev/min 9500	pcs 1	5900855163033







LJ010

UNIVERSAL SAFETY PROFILE CUTTERHEADS WITH PROFILE KNIVES AND LIMITERS



APPLICATION:

- profile or straight milling of raw wood
- knife profiling is customized acc. to customer's wooden pattern or drawing
- cutterheads used on low spindle milling machines with manual feed

INDEX						
	mm	mm	mm		pcs	
LJ010-0100-0001	100	30	40	2	1	5900855083720

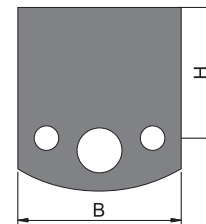
INFO: – cutterhead equipped with two HSS rebate knives (straight profile) and two limiters – aluminum body. Gp.: max. profile depth – 3x knife thickness.






LJ520

KNIVES

for profiling

HSS



INDEX					
	mm	mm	mm	pcs	
LJ520-0040-0000	40	32,5	4	2	5900855090360
LJ520-0050-0000	50	34,0	4	2	5900855090377






INFO: knives without chamfer (blank material for grinding).

LJ521

LIMITERS

for profiling



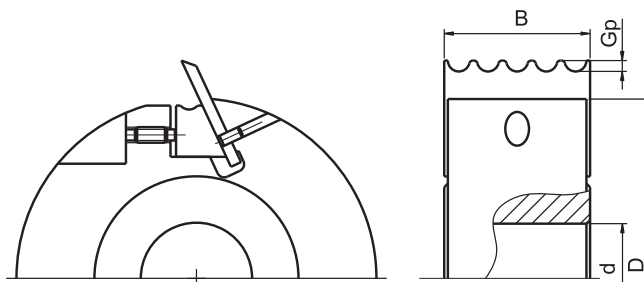
INDEX					
	mm	mm	mm	pcs	
LJ521-0040-0000	40	32,5	4	2	5900855090384
LJ521-0050-0000	50	34,0	4	2	5900855090391

INFO: limiters without chamfer (blank material for grinding).

Check other accessories for the CUTTERHEAD (LJ010):
 PROFILED HSS INSERT KNIVES (LJ520) – PAGE 93
 FEED LIMITERS (LJ521) – PAGE 93

LJ020

UNIVERSAL SAFETY PROFILE CUTTERHEADS



APPLICATION:

- profile or straight milling of raw wood
- knife profiling is customized acc. to customer's wooden pattern or drawing
- cutterheads used on low spindle milling machines with manual feed

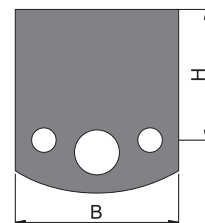
INDEX						
	mm	mm	mm		pcs	
LJ020-0100-0001	100	30	40	2	1	5900855083737

INFO: – cutterhead equipped with two HSS rebate knives (straight profile) – aluminum body. Gp.: max. profile depth – 3x knife thickness.

LJ520

KNIVES

for profiling



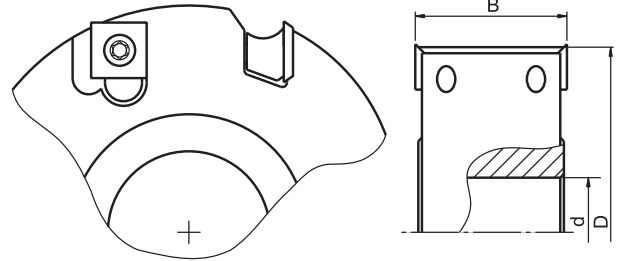
INDEX					
	mm	mm	mm	pcs	
LJ520-0040-0000	40	32,5	4	2	5900855090360
LJ520-0050-0000	50	34,0	4	2	5900855090377

INFO: limiters without chamfer (blank material for grinding).

Check other accessories for the CUTTERHEAD (LJ020):
PROFILED HSS INSERT KNIVES (LJ520) – PAGE 93

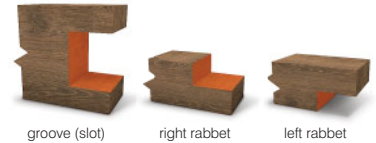
LJ050

REBATING CUTTERHEADS WITH SPURS



APPLICATION:

- milling of grooves, rebates, tenons and mortises with rectangular cross-section and adjustable milling width, where high quality of socket side and edge surface is required
- cutterheads used on low spindle milling machines, single- and double-ended pattern tenoning machines, multi-head planers with mechanical feed
- maximum feed rate of 24 m/min



INDEX							
	mm	mm	mm			pcs	
LJ050-0100-0001	100	30	40	2	2+2	1	5900855083799
LJ050-0125-0001	125	30	50	4	2+2	1	5900855154246

INFO: – cutterhead equipped with a set of indexable knives – aluminium body.

LJ550

CLAMPING WEDGES

for the LJ050 head



INDEX			
	mm	pcs	
LJ550-0000-0001	40	1	5900855132350

LJ555

INDEXABLE KNIVES

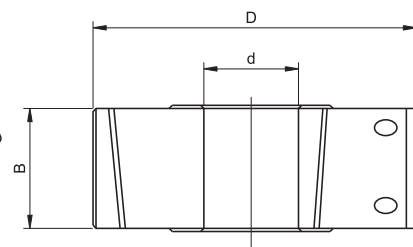
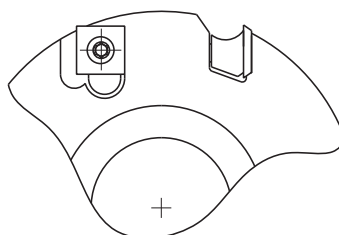
for the LJ050 head



INDEX				number of blades	application			
	mm	mm	mm			pcs	pcs	
LJ555-1414-0001	14	14	2,0	Z4	universal HM knife	1	10	5900855135078
LJ555-1414-0002	14	14	2,0	Z4	HM knife for hardwood	1	10	5900855135085
LJ555-1414-0003	14	14	2,0	Z4	HM knife for panels and wood-based materials	1	10	5900855135092
LJ555-4012-0001	40	12	1,5	Z2	universal HM knife	1	10	5900855135269
LJ555-4012-0003	40	12	1,5	Z2	HM knife for panels and wood-based materials	1	10	5900855135283
LJ555-5012-0001	50	12	1,5	Z2	universal HM knife	1	10	5900855135320
LJ555-5012-0002	50	12	1,5	Z2	HM knife for hardwood	1	10	5900855135337
LJ555-5012-0003	50	12	1,5	Z2	HM knife for panels and wood-based materials	1	10	5900855135344

LJ051

REBATING CUTTERHEADS WITH SPURS



APPLICATION:

- milling of grooves, rebates, tenons and mortises with rectangular cross-section and adjustable milling width, where high quality of socket side and edge surface is required
- cutterheads used on low spindle milling machines, single- and double-ended pattern tenoning machines, multi-head planers with mechanical feed
- maximum feed rate of 24 m/min



INDEX							
	mm	mm	mm			pcs	
LJ051-0100-0001	100	30	50	4	2+2	1	5900855154253
LJ051-0125-0001	125	30	50	4	2+2	1	5900855154260

INFO: – use of cutterhead with indexable knives located diagonally to the tool axis enables achieving a very good cut surface, better chip removal and smoother tool work – cutterhead equipped with a set of indexable knives – aluminium body.

LJ550

CLAMPING WEDGES

for the LJ051 head

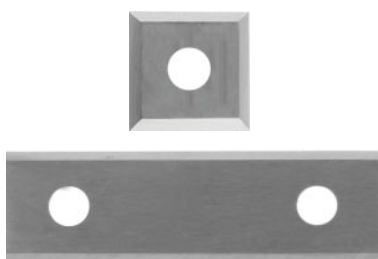


INDEX			
	mm	pcs	
LJ550-0000-0001	40	1	5900855132350

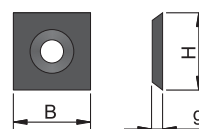
LJ555

INDEXABLE KNIVES

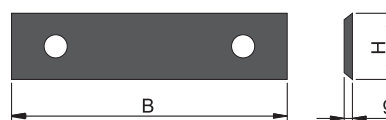
for the LJ051 head



four edges knife



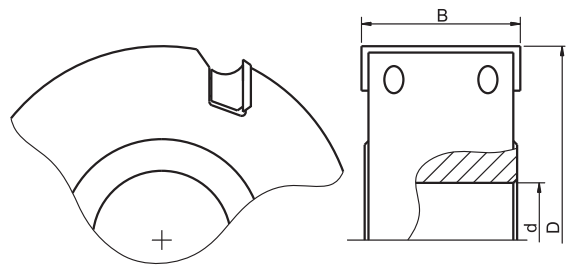
two edges knife



INDEX				number of blades	application			
	mm	mm	mm			pcs	pcs	
LJ555-1414-0001	14	14	2,0	Z4	universal HM knife	1	10	5900855135078
LJ555-1414-0002	14	14	2,0	Z4	HM knife for hardwood	1	10	5900855135085
LJ555-1414-0003	14	14	2,0	Z4	HM knife for panels and wood-based materials	1	10	5900855135092
LJ555-5012-0001	50	12	1,5	Z2	universal HM knife	1	10	5900855135320
LJ555-5012-0002	50	12	1,5	Z2	HM knife for hardwood	1	10	5900855135337
LJ555-5012-0003	50	12	1,5	Z2	HM knife for panels and wood-based materials	1	10	5900855135344

LJ060

REBATING CUTTERHEADS



APPLICATION:

- narrow plane milling
- cutterheads used on low spindle milling machines, single- and double-ended pattern tenoning machines, multi-head planers with mechanical feed
- maximum feed rate of 28 m/min

INDEX						
	mm	mm	mm		pcs	
LJ060-0100-0001	100	30	50	4	1	5900855083805
LJ060-0100-0101	100	40	50	4	1	5900855120043

INFO: – cutterhead equipped with a set of indexable knives – aluminium body.

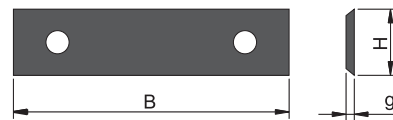
LJ555

INDEXABLE KNIVES

for the LJ060 head



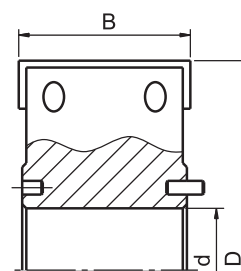
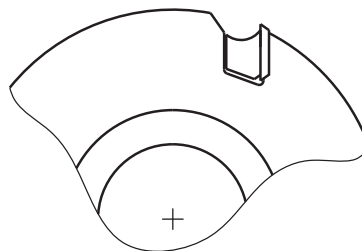
two edges knife



INDEX				number of blades	application			
	mm	mm	mm			pcs	pcs	
LJ555-5012-0001	50	12	1,5	Z2	universal HM knife	1	10	5900855135320
LJ555-5012-0002	50	12	1,5	Z2	HM knife for hardwood	1	10	5900855135337
LJ555-5012-0003	50	12	1,5	Z2	HM knife for panels and wood-based materials	1	10	5900855135344

LJ070

REBATING CUTTERHEADS – SECTIONAL



APPLICATION:

- narrow plane milling, sets with any width allowed
- cutterheads used on low spindle milling machines, single- and double-ended pattern tenoning machines, multi-head planers with mechanical feed
- maximum feed rate of 30 m/min

INDEX						
	mm	mm	mm		pcs	
LJ070-0125-0001	125	40	30	4	1	5900855083812
LJ070-0125-0002	125	35	40	4	1	5900855083829

INFO: – cutterhead equipped with a set of indexable knives – aluminium body.

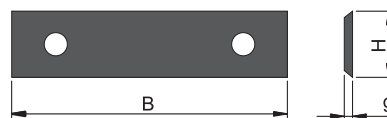
LJ555

INDEXABLE KNIVES

for the LJ070 head



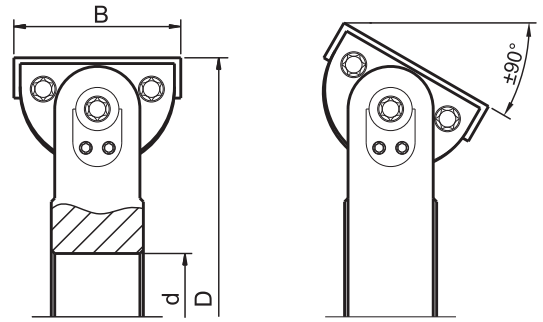
two edges knife



INDEX				number of blades	application			
	mm	mm	mm			pcs	pcs	
LJ555-3012-0001	30	12	1,5	Z2	universal HM knife	1	10	5900855135207
LJ555-3012-0002	30	12	1,5	Z2	HM knife for hardwood	1	10	5900855135214
LJ555-3012-0003	30	12	1,5	Z2	HM knife for panels and wood-based materials	1	10	5900855135221
LJ555-4012-0001	40	12	1,5	Z2	universal HM knife	1	10	5900855135269
LJ555-4012-0003	40	12	1,5	Z2	HM knife for panels and wood-based materials	1	10	5900855135283







LJ080

ADJUSTABLE CHAMFERING CUTTERHEADS



APPLICATION:

- straight and angle milling (angle adjustable up to 90 degrees), edge chamfering
- cutterheads used on low spindle milling machines, and multi-head planers with mechanical feed
- maximum feed rate of 12 m/min

INDEX						
	mm	mm	mm		pcs	
LJ080-0120-0001	120	30	40	2	1	5900855083836

INFO: – cutterhead equipped with a set of indexable knives – aluminium body.

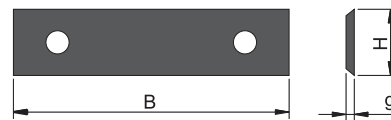
LJ555







INDEXABLE KNIVES

for the LJ080 head



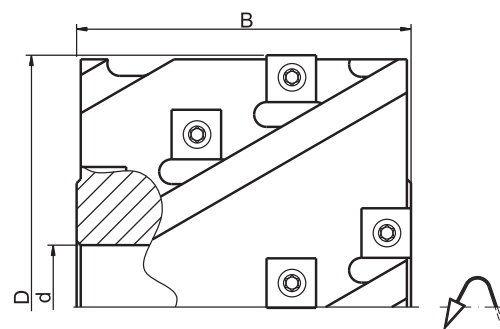
two edges knife



INDEX				number of blades	application			
	mm	mm	mm			pcs	pcs	
LJ555-4012-0001	40	12	1,5	Z2	universal HM knife	1	10	5900855135269
LJ555-4012-0003	40	12	1,5	Z2	HM knife for panels and wood-based materials	1	10	5900855135283

LJ090

SPIRAL JOINTING CUTTERHEADS



curvilinear surface



narrow and broad plane

APPLICATION:

- milling of bent planes and surfaces with high and irregular machining allowances
- cutterheads used on low spindle milling machines, profilers and multi-head planers with mechanical feed

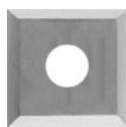
INDEX						
	mm	mm	mm		pcs	
LJ090-0120-0101	120	40	80	3+3	1	5900855120050
LJ090-0150-0001	150	40	100	3+3	1	5900855083850

INFO: – cutterhead equipped with a set of indexable knives – aluminium body.

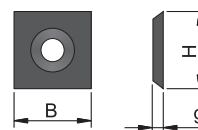
LJ555

INDEXABLE KNIVES

for the LJ090 head



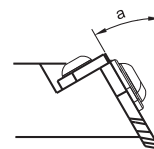
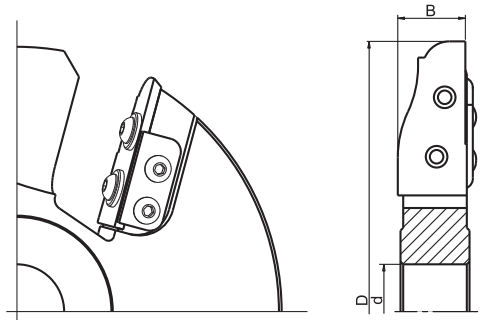
four edges knife



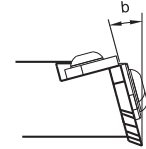
INDEX				number of blades	application			
	mm	mm	mm			pcs	pcs	
LJ555-1414-0001	14	14	2,0	Z4	universal HM knife	1	10	5900855135078
LJ555-1414-0002	14	14	2,0	Z4	HM knife for hardwood	1	10	5900855135085
LJ555-1414-0003	14	14	2,0	Z4	HM knife for panels and wood-based materials	1	10	5900855135092

LJ100

PANEL RAISING CUTTERHEADS



2 teeth for softwood



2 teeth for hardwood



APPLICATION:

- profile milling of door panels and furniture door panels made from soft and hard wood
- cutterheads used on low spindle milling machines with mechanical feed

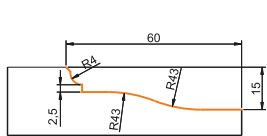
INDEX							
	mm	mm	mm			pcs	
LJ100-0200-0001	200	35	25	2+2	R	1	5900855083867
LJ100-0200-0002	200	35	25	2+2	L	1	5900855083874

INFO: - cutterhead equipped with a set of insert knives for hard and soft wood – profile no. 1 – aluminium body
 - LJ 100 cutterhead can be used only with two insert knives at one time – for soft or hard wood.

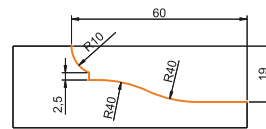
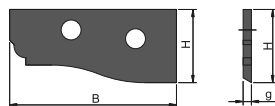
LJ600

INDEXABLE KNIVES

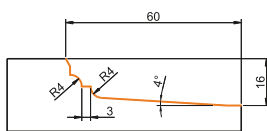
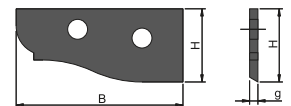
for LJ100 heads



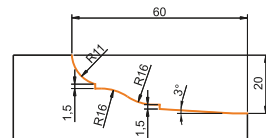
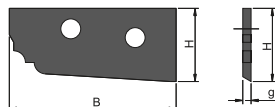
single edge knife – PROFILE "No. 1"



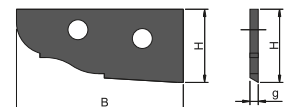
single edge knife – PROFILE "No. 3"



single edge knife – PROFILE "No. 2"



single edge knife – PROFILE "No. 4"

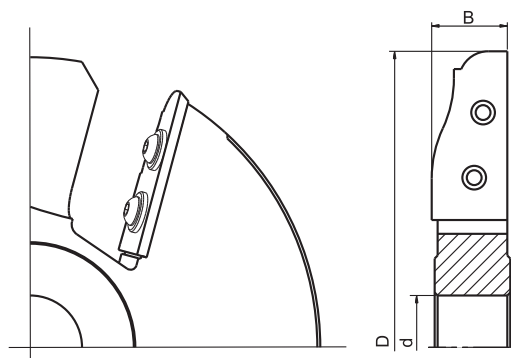


INDEX	profile						
			mm	mm	mm	pcs	
LJ600-0057-0001	"No. 1" hardwood	R	57	25	3,5	2	5900855086066
LJ600-0057-0002	"No. 2" hardwood	R	57	25	3,5	2	5900855086073
LJ600-0057-0003	"No. 3" hardwood	R	57	25	3,5	2	5900855086080
LJ600-0057-0004	"No. 4" hardwood	R	57	25	3,5	2	5900855086097
LJ600-0057-0005	"No. 1" softwood	R	57	30	3,5	2	5900855086103
LJ600-0057-0006	"No. 2" softwood	R	57	30	3,5	2	5900855086110
LJ600-0057-0007	"No. 3" softwood	R	57	30	3,5	2	5900855086127
LJ600-0057-0008	"No. 4" softwood	R	57	30	3,5	2	5900855086134
LJ600-0057-0009	"No. 1" hardwood	L	57	25	3,5	2	5900855096447
LJ600-0057-0010	"No. 2" hardwood	L	57	25	3,5	2	5900855096454
LJ600-0057-0011	"No. 3" hardwood	L	57	25	3,5	2	5900855096461
LJ600-0057-0012	"No. 4" hardwood	L	57	25	3,5	2	5900855096478
LJ600-0057-0013	"No. 1" softwood	L	57	30	3,5	2	5900855096485
LJ600-0057-0014	"No. 2" softwood	L	57	30	3,5	2	5900855096492
LJ600-0057-0015	"No. 3" softwood	L	57	30	3,5	2	5900855096508
LJ600-0057-0016	"No. 4" softwood	L	57	30	3,5	2	5900855096515

INFO: minimum purchase: 1 pack = 2 pieces.

LJ110

PANEL RAISING CUTTERHEADS



APPLICATION:

- profile milling of door panels and furniture door panels
- cutterheads used on low spindle milling machines with mechanical feed



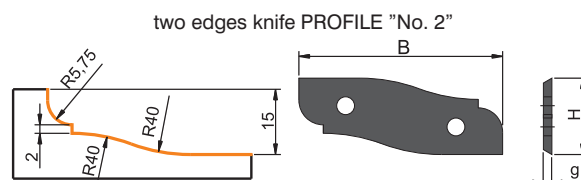
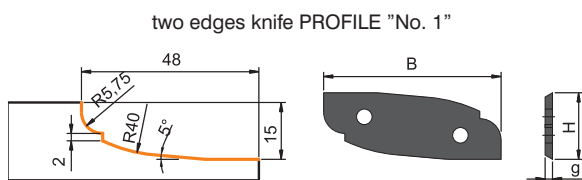
INDEX							
	mm	mm	mm			pcs	
LJ110-0180-0001	180	30	20	2	R	1	5900855083881
LJ110-0180-0002	180	30	20	2	L	1	5900855083898

INFO: – cutterhead equipped with a set of insert knives for hard and soft wood – profile no. 2 – aluminium body.

LJ610

INDEXABLE KNIVES

for LJ110 heads



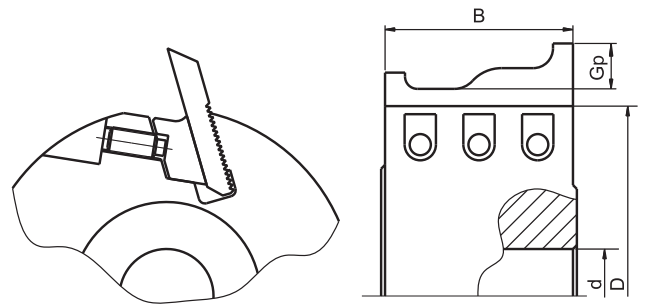
INDEX	profile						
			mm	mm	mm	pcs	
LJ610-0048-0001	"No. 1"	R	48	18	2	2	5900855086141
LJ610-0048-0002	"No. 2"	R	48	18	2	2	5900855086158
LJ610-0048-0003	"No. 1"	L	48	18	2	2	5900855096522
LJ610-0048-0004	"No. 2"	L	48	18	2	2	5900855096539

INFO: minimum purchase: 1 pack = 2 pieces.

LJ130

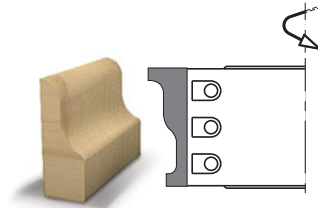
CUTTERHEADS

for serrated back knives



APPLICATION:

- profile or straight milling of raw wood
- knife profiling is customized acc. to customer's wooden pattern or drawing
- cutterheads used on low spindle milling machines and multi-head planers with mechanical feed



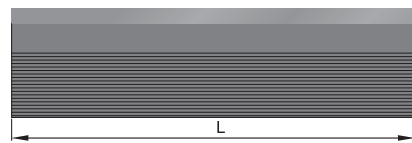
INDEX						
	mm	mm	mm		pcs	
LJ130-0122-0001	122	40	40	4	1	5900855083911
LJ130-0122-0002	122	40	50	4	1	5900855083928
LJ130-0122-0003	122	40	60	4	1	5900855083935
LJ130-0122-0004	122	40	80	4	1	5900855090407
LJ130-0122-0005	122	40	100	4	1	5900855090414
LJ130-0122-0008	122	40	120	4	1	5900855154222
LJ130-0122-0007	122	40	160	4	1	5900855134699
LJ130-0122-0006	122	40	180	4	1	5900855112222
LJ130-0122-0009	122	40	230	4	1	5900855154239

INFO: – cutterhead not equipped with serrated back knives – steel body. Gp.: max. profile depth – 3x knife thickness.

LJ630

SERRATED BACK KNIVES

for profiling

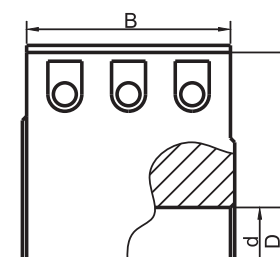
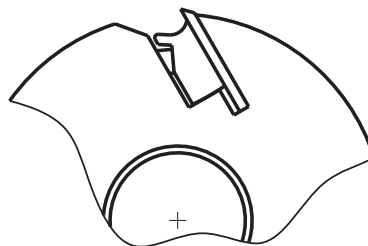


INDEX					
	mm	mm	mm	pcs	
LJ630-0040-0001	40	50	8	1	5900855090421
LJ630-0050-0001	50	50	8	1	5900855086257
LJ630-0060-0001	60	50	8	1	5900855086264
LJ630-0080-0001	80	50	8	1	5900855086271
LJ630-0080-0002	80	60	8	1	5900855086288
LJ630-0100-0001	100	60	8	1	5900855090438
LJ630-0120-0001	120	60	8	1	5900855118514
LJ630-0160-0001	160	60	8	1	5900855118569
LJ630-0180-0001	180	60	8	1	5900855156752
LJ630-0180-0002	180	70	8	1	5900855156981
LJ630-0230-0001	230	60	8	1	5900855156769
LJ630-0230-0002	230	70	8	1	5900855156998
LJ630-0650-0001	650	60	8	1	5900855099783

INFO: – serrated back knives (blank material) before profiling.







LJ150

PLANING CUTTERHEADS (4 KNIVES)



APPLICATION:

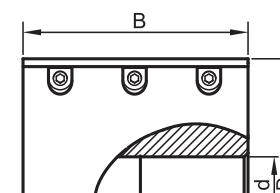
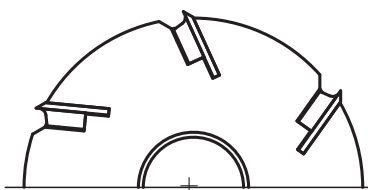
- planing of narrow and wide raw wood planes
- cutterheads used on multi-head planers with mechanical feed

INDEX						
	mm	mm	mm		pcs	
LJ150-0125-0001	125	40	60	4	1	5900855096560
LJ150-0125-0002	125	40	80	4	1	5900855096577
LJ150-0125-0003	125	40	120	4	1	5900855096584
LJ150-0125-0004	125	40	160	4	1	5900855096591
LJ150-0125-0005	125	40	180	4	1	5900855096607
LJ150-0125-0006	125	40	200	4	1	5900855096614
LJ150-0125-0007	125	40	230	4	1	5900855096621

INFO: – cutterhead not equipped with planing knives – aluminium body.







LJ160

PLANING CUTTERHEADS (6 KNIVES)



APPLICATION:

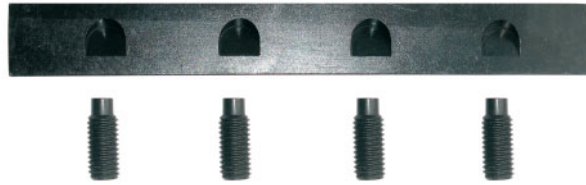
- planing of narrow and wide raw wood planes
- cutterheads used on multi-head planers with mechanical feed

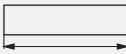


INDEX						
	mm	mm	mm		pcs	
LJ160-0140-0001	140	40	230	6	1	5900855115728

INFO: – cutterhead not equipped with set of planing knives – aluminium body.

LJ150**MOUNTING BRACKETS WITH SET OF SCREWBOLTS**

for planing cutterheads

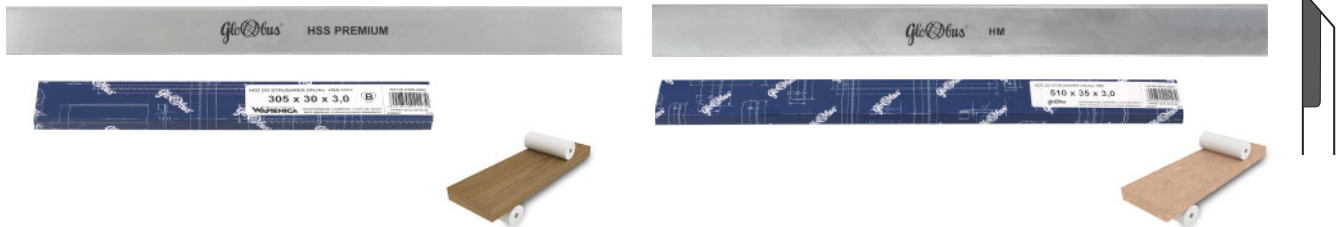







INDEX			
	mm	set	
LJ150-0000-0001	60	1	5900855113250
LJ150-0000-0002	80	1	5900855113267
LJ150-0000-0003	120	1	5900855113274
LJ150-0000-0004	160	1	5900855113281
LJ150-0000-0005	180	1	5900855113298
LJ150-0000-0006	200	1	5900855113304
LJ150-0000-0007	230	1	5900855113311

INFO: – set includes brackets and set of screws.

NS130
NS140**PLANER KNIVES**

for planing cutterheads



INDEX				material		
	mm	mm	mm		pcs	
NS130-0060-0001	60	30	3,0	HSS PREMIUM	4	5900855021692
NS130-0060-0003	60	35	3,0	HSS PREMIUM	4	5900855095303
NS130-0080-0002	80	30	3,0	HSS PREMIUM	4	5900855021739
NS130-0080-0005	80	35	3,0	HSS PREMIUM	4	5900855095310
NS130-0120-0002	120	30	3,0	HSS PREMIUM	4	5900855021838
NS130-0120-0003	120	35	3,0	HSS PREMIUM	4	5900855021845
NS130-0160-0003	160	35	3,0	HSS PREMIUM	4	5900855051835
NS130-0160-0007	160	30	3,0	HSS PREMIUM	4	5900855100861
NS130-0180-0001	180	30	3,0	HSS PREMIUM	4	5900855022040
NS130-0180-0002	180	35	3,0	HSS PREMIUM	4	5900855061629
NS130-0200-0001	200	35	3,0	HSS PREMIUM	4	5900855069397
NS130-0200-0002	200	30	3,0	HSS PREMIUM	4	5900855070515
NS130-0230-0001	230	30	3,0	HSS PREMIUM	4	5900855022156
NS130-0230-0002	230	35	3,0	HSS PREMIUM	4	5900855022163
NS140-0060-0002	60	30	3,0	HM	4	5900855099431
NS140-0080-0002	80	30	3,0	HM	4	5900855076043
NS140-0120-0002	120	30	3,0	HM	4	5900855076050
NS140-0160-0002	160	30	3,0	HM	4	5900855100847
NS140-0180-0002	180	30	3,0	HM	4	5900855094931
NS140-0200-0002	200	30	3,0	HM	4	5900855100854
NS140-0230-0002	230	30	3,0	HM	4	5900855087513

LJ170

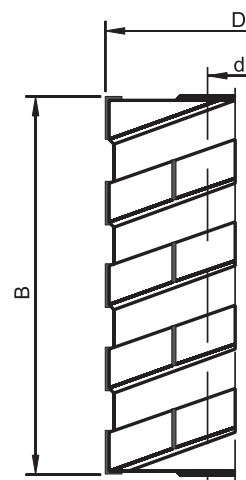
PLANING CUTTERHEADS WITH A SPLIT CUTTING EDGE



curvilinear surface



narrow and broad plane



APPLICATION:

- milling of bent planes and surfaces with high and irregular machining allowances
- cutterheads used on low spindle milling machines, profilers and multi-head planers with mechanical feed

INDEX						
	mm	mm	mm		pcs	
LJ170-0100-0001	100	40	180	24	1	5900855132374
LJ170-0125-0001	125	40	180	24	1	5900855132381

INFO: – heads without insert knives – aluminium body.

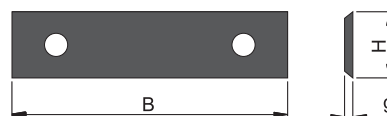
LJ555

INSERT KNIVES

for the LJ170 cutterhead



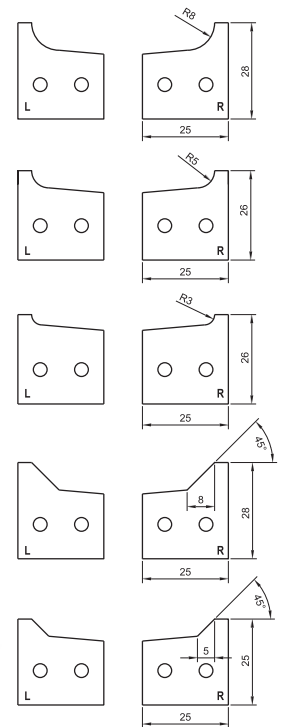
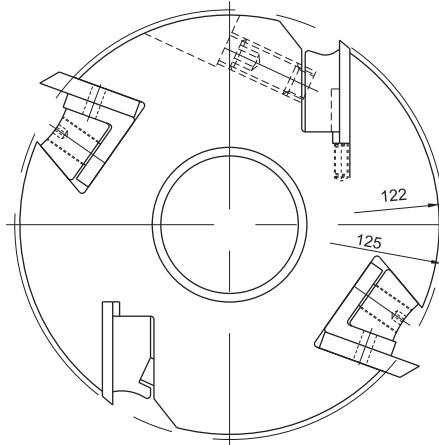
two edges knife



INDEX				number of blades	application			
	mm	mm	mm			pcs	pcs	
LJ555-3012-0001	30	12	1,5	Z2	universal HM knife	1	10	5900855135207
LJ555-3012-0002	30	12	1,5	Z2	HM knife for hardwood	1	10	5900855135214
LJ555-3012-0003	30	12	1,5	Z2	HM knife for panels and wood-based materials	1	10	5900855135221

LJ180

CHAMFERING AND ROUNDING ADJUSTABLE CUTTERHEADS



APPLICATION:

- chamfering or rounding the edge of wooden elements
- cutters used on multi head planers with mechanical feed and low spindle milling machines
- adjustable chamfering or rounding insert knives depending on the width of workpiece

INDEX						
	mm	mm	mm		pcs	
LJ180-0125-0001	125	40	130	2/2+2	1	5900855156066
LJ180-0125-0002	125	40	140	2/2+2	1	5900855156073
LJ180-0125-0003	125	40	190	2/2+2	1	5900855156080
LJ180-0125-0004	125	40	230	2/2+2	1	5900855156097
LJ180-0125-0005	125	40	240	2/2+2	1	5900855156103

CL900

FLANGED REDUCER SLEEVES







INDEX					
	mm	mm	mm	pcs	
CL900-0035-0001	35	30	5	1	5900855081061
CL900-0525-0001	40	25	5	1	5900855131629
CL900-0530-0001	40	30	5	1	5900855131636
CL900-0535-0001	40	35	5	1	5900855131735
CL900-1025-0001	40	25	10	1	5900855131643
CL900-1030-0001	40	30	10	1	5900855131650
CL900-1035-0001	40	35	10	1	5900855131667
CL900-1525-0001	40	25	15	1	5900855131674
CL900-1530-0001	40	30	15	1	5900855131681
CL900-1535-0001	40	35	15	1	5900855131698
CL900-2025-0001	40	25	20	1	5900855131704
CL900-2030-0001	40	30	20	1	5900855131711
CL900-2035-0001	40	35	20	1	5900855131728
CL900-2530-0001	40	30	25	1	5900855131759
CL900-2535-0001	40	35	25	1	5900855131766
CL900-3030-0001	40	30	30	1	5900855131773
CL900-3035-0001	40	35	30	1	5900855131780
CL900-3525-0001	40	25	35	1	5900855131797
CL900-3530-0001	40	30	35	1	5900855107204
CL900-3535-0001	40	35	35	1	5900855131803
CL900-4030-0001	40	30	40	1	5900855131827
CL900-4035-0001	40	35	40	1	5900855131841
CL900-4525-0001	40	25	45	1	5900855131858
CL900-4530-0001	40	30	45	1	5900855131865
CL900-4535-0001	40	35	45	1	5900855131872
CL900-5030-0001	40	30	50	1	5900855131896
CL900-5035-0001	40	35	50	1	5900855131902

CL901
CL910

FLANGED REDUCER SLEEVES / TWISTED








INDEX					
	mm	mm	mm		
CL910-3525-0001	40	25	35	1	5900855131919
CL910-3530-0001	40	30	35	1	5900855131926
CL910-3535-0001	40	35	35	1	5900855131933
CL910-4025-0001	40	25	40	1	5900855131940
CL910-4030-0001	40	30	40	1	5900855131957
CL910-4035-0001	40	35	40	1	5900855131964
CL910-4525-0001	40	25	45	1	5900855131971
CL910-4530-0001	40	30	45	1	5900855131988
CL910-4535-0001	40	35	45	1	5900855131995
CL910-5025-0001	40	25	50	1	5900855132008
CL910-5030-0001	40	30	50	1	5900855132015
CL910-5035-0001	40	35	50	1	5900855132022
CL910-6025-0001	40	25	60	1	5900855132039
CL910-6030-0001	40	30	60	1	5900855132046
CL910-6035-0001	40	35	60	1	5900855132053
CL901-7050-0001	70	50	100	1	5900855119191

CL920

DISTANCE PIECES

for flanged reducer sleeves – twisted and for the cutter sets









INDEX					
	mm	mm	mm		
CL920-4525-0001	45	25	0,05	1	5900855132060
CL920-4525-0002	45	25	0,10	1	5900855132077
CL920-4525-0003	45	25	0,20	1	5900855132084
CL920-4525-0004	45	25	0,30	1	5900855132091
CL920-4525-0005	45	25	0,50	1	5900855132107
CL920-4525-0006	45	25	1,00	1	5900855132114
CL920-4525-0007	45	25	2,00	1	5900855132121
CL920-4525-0008	45	25	5,00	1	5900855132138
CL920-4525-0009	45	25	10,00	1	5900855132145
CL920-5030-0001	50	30	0,05	1	5900855132152
CL920-5030-0002	50	30	0,10	1	5900855132169
CL920-5030-0003	50	30	0,20	1	5900855132176
CL920-5030-0004	50	30	0,30	1	5900855132183
CL920-5030-0005	50	30	0,50	1	5900855114592
CL920-5030-0006	50	30	1,00	1	5900855114608
CL920-5030-0007	50	30	2,00	1	5900855114615
CL920-5030-0008	50	30	5,00	1	5900855114622
CL920-5030-0009	50	30	10,00	1	5900855132190
CL920-6040-0001	60	40	0,05	1	5900855124652
CL920-6040-0002	60	40	0,10	1	5900855124669
CL920-6040-0003	60	40	0,20	1	5900855124676
CL920-6040-0004	60	40	0,30	1	5900855124683
CL920-6040-0005	60	40	0,50	1	5900855124690
CL920-6040-0006	60	40	1,00	1	5900855116978
CL920-6040-0007	60	40	2,00	1	5900855116985
CL920-6040-0008	60	40	5,00	1	5900855116992
CL920-6040-0009	60	40	10,00	1	5900855117005
CL920-7550-0001	75	50	0,05	1	5900855132244
CL920-7550-0002	75	50	0,10	1	5900855132251
CL920-7550-0003	75	50	0,20	1	5900855132268
CL920-7550-0004	75	50	0,30	1	5900855132275
CL920-7550-0005	75	50	0,50	1	5900855132282
CL920-7550-0006	75	50	1,00	1	5900855132299
CL920-7550-0007	75	50	2,00	1	5900855132305
CL920-7550-0008	75	50	5,00	1	5900855132312
CL920-7550-0009	75	50	10,00	1	5900855132329
CL920-9270-0001	92	70	1,90	1	5900855118903
CL920-9270-0002	92	70	3,80	1	5900855118910
CL920-9270-0003	92	70	7,60	1	5900855118927
CL920-9270-0004	92	70	11,40	1	5900855118934

LJ555

INDEXABLE KNIVES

for cutterheads and mounting brackets

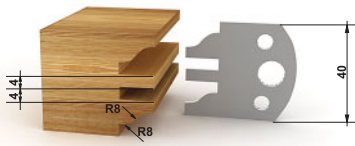


INDEX	 mm	 mm	 mm	number of blades	application	 pcs	 pcs	
LJ555-1212-0001	12	12	1,5	Z4	universal HM knife	1	10	5900855135047
LJ555-1212-0002	12	12	1,5	Z4	HM knife for hardwood	1	10	5900855135054
LJ555-1212-0003	12	12	1,5	Z4	HM knife for panels and wood-based materials	1	10	5900855135061
LJ555-1414-0001	14	14	2,0	Z4	universal HM knife	1	10	5900855135078
LJ555-1414-0002	14	14	2,0	Z4	HM knife for hardwood	1	10	5900855135085
LJ555-1414-0003	14	14	2,0	Z4	HM knife for panels and wood-based materials	1	10	5900855135092
LJ555-1912-0001	19,5	12	1,5	Z4	universal HM knife	1	10	5900855135115
LJ555-1912-0002	19,5	12	1,5	Z4	HM knife for hardwood	1	10	5900855135122
LJ555-1912-0003	19,5	12	1,5	Z4	HM knife for panels and wood-based materials	1	10	5900855135139
LJ555-2012-0001	20	12	1,5	Z2	universal HM knife	1	10	5900855135146
LJ555-2012-0003	20	12	1,5	Z2	HM knife for panels and wood-based materials	1	10	5900855135160
LJ555-2912-0001	29,5	12	1,5	Z4	universal HM knife	1	10	5900855135177
LJ555-2912-0002	29,5	12	1,5	Z4	HM knife for hardwood	1	10	5900855135184
LJ555-2912-0003	29,5	12	1,5	Z4	HM knife for panels and wood-based materials	1	10	5900855135191
LJ555-3012-0001	30	12	1,5	Z2	universal HM knife	1	10	5900855135207
LJ555-3012-0002	30	12	1,5	Z2	HM knife for hardwood	1	10	5900855135214
LJ555-3012-0003	30	12	1,5	Z2	HM knife for panels and wood-based materials	1	10	5900855135221
LJ555-3912-0001	39,5	12	1,5	Z4	universal HM knife	1	10	5900855135238
LJ555-3912-0002	39,5	12	1,5	Z4	HM knife for hardwood	1	10	5900855135245
LJ555-3912-0003	39,5	12	1,5	Z4	HM knife for panels and wood-based materials	1	10	5900855135252
LJ555-4012-0001	40	12	1,5	Z2	universal HM knife	1	10	5900855135269
LJ555-4012-0003	40	12	1,5	Z2	HM knife for panels and wood-based materials	1	10	5900855135283
LJ555-4912-0001	49,5	12	1,5	Z4	universal HM knife	1	10	5900855135290
LJ555-4912-0002	49,5	12	1,5	Z4	HM knife for hardwood	1	10	5900855135306
LJ555-4912-0003	49,5	12	1,5	Z4	HM knife for panels and wood-based materials	1	10	5900855135313
LJ555-5012-0001	50	12	1,5	Z2	universal HM knife	1	10	5900855135320
LJ555-5012-0002	50	12	1,5	Z2	HM knife for hardwood	1	10	5900855135337
LJ555-5012-0003	50	12	1,5	Z2	HM knife for panels and wood-based materials	1	10	5900855135344

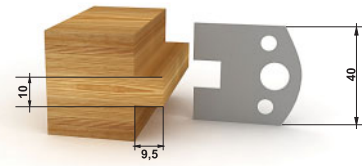
**LJ520
LJ521**

**PROFILED INSERT KNIVES FOR THE LJ010 AND LJ020 HEADS
FEED LIMITERS FOR THE LJ010 HEAD**

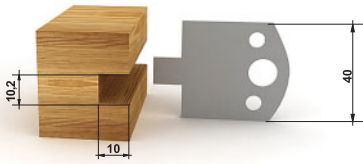
HSS



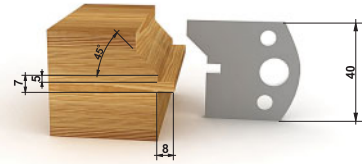
INDEX	Info	unit	Barcode
LJ520-0040-0001	Profiled HSS knife	pcs	5900855083942
LJ521-0040-0001	Feed limiter	pcs	5900855102353



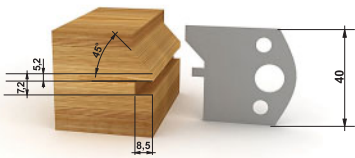
INDEX	Info	unit	Barcode
LJ520-0040-0002	Profiled HSS knife	pcs	5900855083959
LJ521-0040-0002	Feed limiter	pcs	5900855143608



INDEX	Info	unit	Barcode
LJ520-0040-0003	Profiled HSS knife	pcs	5900855083966
LJ521-0040-0003	Feed limiter	pcs	5900855143615



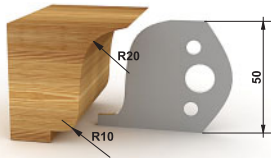
INDEX	Info	unit	Barcode
LJ520-0040-0004	Profiled HSS knife	pcs	5900855083973
LJ521-0040-0004	Feed limiter	pcs	5900855143622



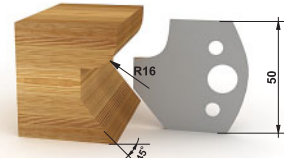
INDEX	Info	unit	Barcode
LJ520-0040-0005	Profiled HSS knife	pcs	5900855083980
LJ521-0040-0005	Feed limiter	pcs	5900855143639



INDEX	Info	unit	Barcode
LJ520-0040-0006	Profiled HSS knife	pcs	5900855083997
LJ521-0040-0006	Feed limiter	pcs	5900855143646



INDEX	Info	unit	Barcode
LJ520-0050-0001	Profiled HSS knife	pcs	5900855085250
LJ521-0050-0001	Feed limiter	pcs	5900855102360



INDEX	Info	unit	Barcode
LJ520-0050-0002	Profiled HSS knife	pcs	5900855085267
LJ521-0050-0002	Feed limiter	pcs	5900855143790



INDEX	Info	unit	Barcode
LJ520-0050-0003	Profiled HSS knife	pcs	5900855085274
LJ521-0050-0003	Feed limiter	pcs	5900855143806



INDEX	Info	unit	Barcode
LJ520-0050-0004	Profiled HSS knife	pcs	5900855085281
LJ521-0050-0004	Feed limiter	pcs	5900855143813



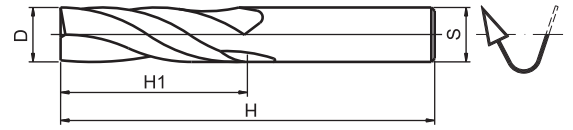
INDEX	Info	unit	Barcode
LJ520-0050-0005	Profiled HSS knife	pcs	5900855085298
LJ521-0050-0005	Feed limiter	pcs	5900855143820



INDEX	Info	unit	Barcode
LJ520-0050-0006	Profiled HSS knife	pcs	5900855085304
LJ521-0050-0006	Feed limiter	pcs	5900855143837

LS010

SOLID CARBIDE FINISHING ROUTER BITS (POSITIV)



APPLICATION:

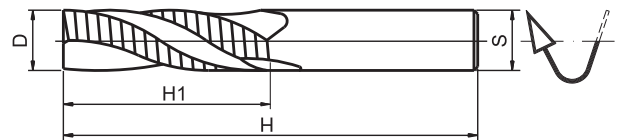
- finishing straight and curved milling of narrow planes, drilling in wood and wood based materials
- solid carbide router bits are used on upper spindle milling machines and high efficient CNC milling machines with mechanical feed



INDEX								
	mm	mm	mm	mm			pcs	
LS010-0010-0001	10	42	90	10	3 positive	R	1	5900855086301
LS010-0012-0001	12	42	90	12	3 positive	R	1	5900855086318
LS010-0016-0001	16	55	110	16	3 positive	R	1	5900855086325
LS010-0020-0001	20	60	120	20	3 positive	R	1	5900855099646

LS040

SOLID CARBIDE ROUGHING ROUTER BITS (POSITIV)



APPLICATION:

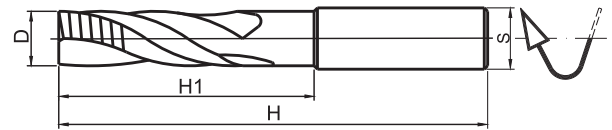
- roughing milling of narrow planes, straight and curved cut, drilling in wood and wood based materials
- solid carbide router bits are used on upper spindle milling machines and high efficient CNC milling machines with mechanical feed



INDEX								
	mm	mm	mm	mm			pcs	
LS040-0010-0001	10	42	90	10	3 positive	R	1	5900855086394
LS040-0012-0001	12	42	90	12	3 positive	R	1	5900855086400
LS040-0016-0002	16	35	90	16	3 positive	R	1	5900855102193
LS040-0016-0001	16	55	110	16	3 positive	R	1	5900855086417

LS060

SOLID CARBIDE ROUGHING ROUTER BITS (POSITIV)



APPLICATION:

- roughing milling of sockets for lock body in wood and wood based materials
- solid carbide router bits are used on upper spindle milling machines, boring-milling machine and high efficient CNC milling machines with mechanical feed

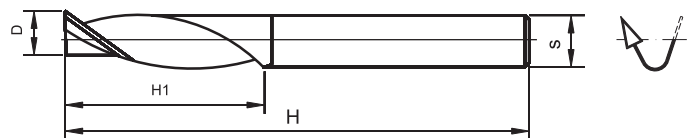


INDEX								
	mm	mm	mm	mm			pcs	
LS060-0016-0001	16	95	140	16	3 positive	R	1	5900855096737
LS060-0016-0002	16	100	170	16	3 positive	R	1	5900855096744

LS070

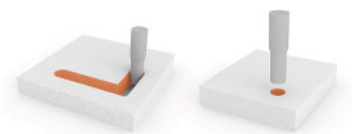
SOLID CARBIDE FINISHING ROUTER BITS

for PVC



APPLICATION:

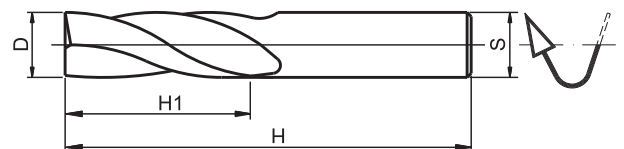
- finishing straight or curved milling of narrow planes, boring in plastics
- solid carbide router bits are used on upper spindle milling machines and high efficient CNC milling machines with mechanical feed



INDEX								
	mm	mm	mm	mm			pcs	
LS070-0005-0003	5	15	80	8	1 positive	R	1	5900855120876
LS070-0005-0001	5	15-25	80	8	1 positive	R	1	5900855119054
LS070-0006-0002	6	15	80	8	1 positive	R	1	5900855132510
LS070-0006-0003	6	15-25	80	8	1 positive	R	1	5900855132527
LS070-0008-0008	8	25	80	8	1 positive	R	1	5900855155076

LS220

SOLID CARBIDE FINISHING ROUTER BITS (POSITIV)



APPLICATION:

- finishing straight and curved milling of narrow planes, drilling in wood and wood based materials
- solid carbide router bits are used on upper spindle milling machines and high efficient CNC milling machines with mechanical feed




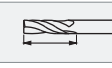




INDEX								
	mm	mm	mm	mm			pcs	
LS220-0006-0001	6	22	70	8	2 positive	R	1	5900855086431
LS220-0008-0001	8	32	80	8	2 positive	R	1	5900855086448
LS220-0010-0001	10	42	90	10	2 positive	R	1	5900855086455
LS220-0012-0001	12	42	90	12	2 positive	R	1	5900855086462

LS100

SOLID CARBIDE ENGRAVING ROUTER BITS WITH CYLINDRICAL DRIVER



APPLICATION:
 ■ designed for engraving on engraving machining centres and engraving plotters


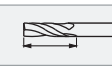




INDEX					number of spirals		
	mm	mm	mm	mm		pcs	
LS100-0106-0001	1	0,4	38	6	1	1	5900855138529
LS100-0106-0002	1	0,8	38	6	1	1	5900855138536
LS100-0106-0003	1,2	1,2	38	6	1	1	5900855138543

LS101

SOLID CARBIDE ENGRAVING ROUTER BITS SPIRAL Z2



APPLICATION:
 ■ designed for engraving on engraving machining centres and engraving plotters







INDEX					number of spirals		
	mm	mm	mm	mm		pcs	
LS101-0103-0001	1,5	4	38	3	1	1	5900855138550
LS101-0203-0001	2	6	38	3	1	1	5900855138567
LS101-0203-0002	2,5	8	38	3	1	1	5900855138574

LS102

SOLID CARBIDE ENGRAVING ROUTER BITS BALL-SHAPED Z2



APPLICATION:
 ■ designed for engraving on engraving machining centres and engraving plotters

INDEX					number of spirals		
	mm	mm	mm	mm		pcs	
LS102-0303-0001	3	15	40	3	2	1	5900855138581
LS102-0404-0001	4	12	40	4	2	1	5900855138598
LS102-0606-0001	6	22	50	6	2	1	5900855138604

LS103

SOLID CARBIDE ENGRAVING ROUTER BITS
90°-V

APPLICATION:

- designed for engraving on engraving machining centres and engraving plotters

INDEX					number of spirals		
	mm	mm	mm	mm		pcs	
LS103-0606-0001	6	20	55	6	2	1	5900855138611

LS104

SOLID CARBIDE ENGRAVING ROUTER BITS
DOUBLE ENDED

APPLICATION:

- designed for engraving on engraving machining centres and engraving plotters

INDEX					number of spirals		
	mm	mm	mm	mm		pcs	
LS104-0103-0001	1	2	38	3	1	1	5900855138628

LS105

SOLID CARBIDE ENGRAVING ROUTER BITS
PYRAMID SHAPED

APPLICATION:

- designed for engraving on engraving machining centres and engraving plotters

INDEX					number of spirals	edge angle		
	mm	mm	mm	mm			pcs	
LS105-0103-0001	0,1	3,0	38	3	3	50°	1	5900855138635
LS105-0103-0002	0,1	1,5	38	3	3	94°	1	5900855138642
LS105-0106-0001	0,1	1,0	51	6	3	140°	1	5900855138659

LS106

SOLID CARBIDE ENGRAVING ROUTER BITS
CYLINDRICAL Z1



APPLICATION:

■ designed for engraving on engraving machining centres and engraving plotter

INDEX					number of spirals		
	mm	mm	mm	mm		pcs	
LS106-0303-0001	3	12	38	3	1	1	5900855138666
LS106-0303-0002	3	15	38	3	1	1	5900855138673

LS107

SOLID CARBIDE ENGRAVING ROUTER BITS
SPIRAL Z1



APPLICATION:

■ designed for engraving on engraving machining centres and engraving plotters

INDEX					number of spirals		
	mm	mm	mm	mm		pcs	
LS107-0203-0001	2	6	38	3	1	1	5900855138680
LS107-0303-0001	3	10	38	3	1	1	5900855138697
LS107-0303-0002	3	12	38	3	1	1	5900855138703
LS107-0404-0001	4	12	40	4	1	1	5900855138710
LS107-0404-0002	4	22	45	4	1	1	5900855138727
LS107-0505-0001	5	17	45	5	1	1	5900855138734
LS107-0606-0001	6	22	45	6	1	1	5900855138741
LS107-0606-0002	6	32	60	6	1	1	5900855138758

LS108

SOLID CARBIDE ENGRAVING ROUTER BITS
SHARP V



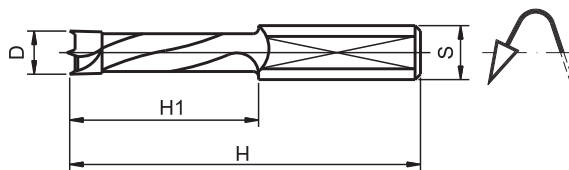
APPLICATION:

■ designed for engraving on engraving machining centres and engraving plotters

INDEX					number of spirals		
	mm	mm	mm	mm		pcs	
LS108-0203-0001	0,2	10	40	3	1	1	5900855138765
LS108-0204-0001	0,2	10	40	4	1	1	5900855138772
LS108-0504-0001	0,5	10	40	4	1	1	5900855138789

LS510

BLIND HOLE DRILL BITS (LEFT)



APPLICATION:

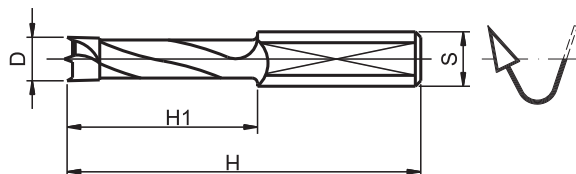
- drilling of blind holes for door locks, jointing elements and hinges in wood and wood based materials
- drill bits are used on multi spindle drilling machines with mechanical feed



INDEX							
	mm	mm	mm	mm		pcs	
LS510-0010-0003	4	27	57,5	10	L	1	5900855099684
LS510-0010-0001	6	35	70	10	L	1	5900855086479
LS510-0010-0002	8	35	70	10	L	1	5900855086486
LS510-0010-0004	10	35	70	10	L	1	5900855099745
LS510-0010-0005	12	35	70	10	L	1	5900855099752

LS520

BLIND HOLE DRILL BITS (RIGHT)



APPLICATION:

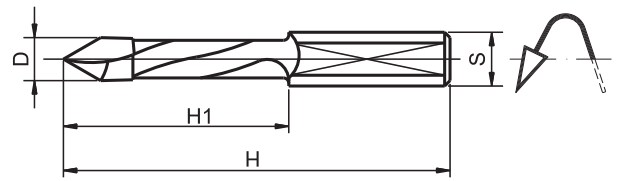
- drilling of blind holes for door locks, jointing elements and hinges in wood and wood based materials
- drill bits are used on multi spindle drilling machines with mechanical feed



INDEX							
	mm	mm	mm	mm		pcs	
LS520-0010-0003	4	27	57,5	10	R	1	5900855099691
LS520-0010-0001	6	35	70	10	R	1	5900855086493
LS520-0010-0002	8	35	70	10	R	1	5900855086509
LS520-0010-0004	10	35	70	10	R	1	5900855099769
LS520-0010-0005	12	35	70	10	R	1	5900855099776

LS530

THROUGH HOLE DRILL BITS (LEFT)



APPLICATION:

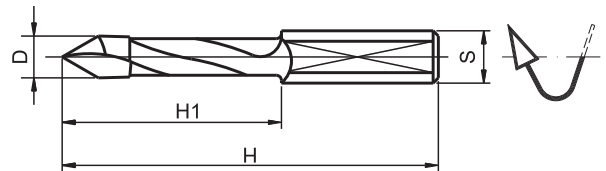
- drilling of through holes for jointing elements and hinges in wood and wood based materials
- drill bits are used on multi spindle drilling machines with mechanical feed



INDEX							
	mm	mm	mm	mm		pcs	
LS530-0010-0001	6	35	70	10	L	1	5900855086516
LS530-0010-0002	8	35	70	10	L	1	5900855086523
LS530-0010-0003	10	35	70	10	L	1	5900855099707
LS530-0010-0004	12	35	70	10	L	1	5900855099721

LS540

THROUGH HOLE DRILL BITS (RIGHT)



APPLICATION:

- drilling of through holes for jointing elements and hinges in wood and wood based materials
- drill bits are used on multi spindle drilling machines with mechanical feed

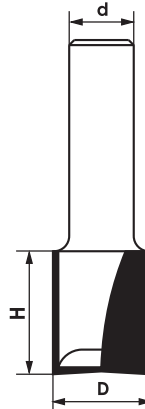


INDEX							
	mm	mm	mm	mm		pcs	
LS540-0010-0001	6	35	70	10	R	1	5900855086530
LS540-0010-0002	8	35	70	10	R	1	5900855086547
LS540-0010-0003	10	35	70	10	R	1	5900855099714
LS540-0010-0004	12	35	70	10	R	1	5900855099738

FT901

STRAIGHT DOUBLE FLUTE ROUTER BITS CNC PREMIUM WITH DRILLING OPTION

NEW
SERIE



APPLICATION:

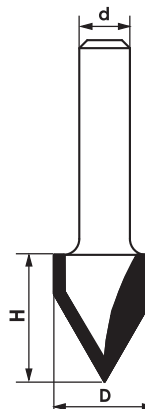
- router bits designed for wood and wood based materials processing used on upper spindle milling machines and CNC centres
- open profiles improve quality of processed surface, enable use of greater feed values, reduce cutting resistance and facilitate chip removal thanks to bigger tooth space

INDEX						
	mm	mm	mm	pcs	pcs	
FT901-0606-0001	20	6	6	1	10	5900855137638
FT901-0806-0001	20	8	6	1	10	5900855137645
FT901-0808-0001	20	8	8	1	10	5900855137652
FT901-0808-0002	30	8	8	1	10	5900855137669
FT901-0808-0003	35	8	8	1	10	5900855137676
FT901-0812-0001	30	8	12	1	10	5900855137683
FT901-1012-0001	30	10	12	1	10	5900855137690
FT901-1212-0001	40	12	12	1	10	5900855137706
FT901-1612-0001	35	16	12	1	10	5900855137713
FT901-1812-0001	35	18	12	1	10	5900855137720
FT901-2012-0001	35	20	12	1	10	5900855137737

FT902

CHAMFERING CNC PREMIUM ROUTER BITS

NEW
SERIE



APPLICATION:

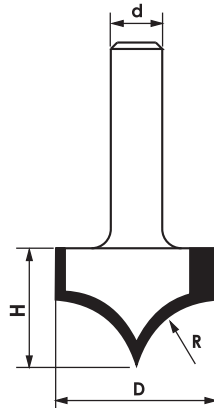
- router bits designed for wood and wood based materials processing used on upper spindle milling machines and CNC centres
- open profiles improve quality of processed surface, enable use of greater feed values, reduce cutting resistance and facilitate chip removal thanks to bigger tooth space

INDEX							
	mm	mm	mm		pcs	pcs	
FT902-1208-0001	10,9	12,7	8	60°	1	10	5900855137744
FT902-1508-0001	18,2	15,1	8	45°	1	10	5900855137768
FT902-1212-0001	10,9	12,7	12	60°	1	10	5900855137751
FT902-2212-0001	26,8	22,2	12	45°	1	10	5900855137775

FT903

ROUNDING ROUTER BITS CNC PREMIUM WITH DRIVING EDGE

**NEW
SERIE**



APPLICATION:

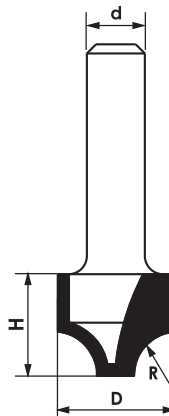
- router bits designed for wood and wood based materials processing used on upper spindle milling machines and CNC centres
- open profiles improve quality of processed surface, enable use of greater feed values, reduce cutting resistance and facilitate chip removal thanks to bigger tooth space

INDEX							
	mm	mm	mm	mm	pcs	pcs	
FT903-0606-0001	7	6,4	6	3,2	1	10	5900855137782
FT903-0706-0001	7,5	8	6	4	1	10	5900855137799
FT903-1208-0001	9,5	12,7	8	6,4	1	10	5900855137805

FT904

ROUNDING ROUTER BITS CNC PREMIUM

**NEW
SERIE**



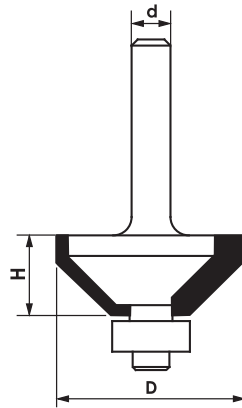
APPLICATION:

- router bits designed for wood and wood based materials processing used on upper spindle milling machines and CNC centres
- open profiles improve quality of processed surface, enable use of greater feed values, reduce cutting resistance and facilitate chip removal thanks to bigger tooth space

INDEX							
	mm	mm	mm	mm	pcs	pcs	
FT904-0606-0001	6,4	6,4	6	2,4	1	10	5900855137812
FT904-0608-0001	6,4	6,4	8	2,4	1	10	5900855137829
FT904-0708-0001	8	8,0	8	2,8	1	10	5900855137836
FT904-1208-0001	10	12,7	8	6,4	1	10	5900855137843
FT904-1508-0001	11	15,9	8	8	1	10	5900855137850
FT904-1908-0001	11,8	19,1	8	11,8	1	10	5900855137867
FT904-1912-0001	11,8	19,1	12	11,8	1	10	5900855137874

FT905

CHAMFERING CNC PREMIUM ROUTER BITS WITH LOWER BEARING



APPLICATION:

- router bits designed for wood and wood based materials processing used on upper spindle milling machines and CNC centres
- open profiles improve quality of processed surface, enable use of greater feed values, reduce cutting resistance and facilitate chip removal thanks to bigger tooth space

INDEX							
	mm	mm	mm	°	pcs	pcs	
FT905-2408-0001	8	24,3	8	45	1	10	5900855137881
FT905-3508-0001	15,9	35,5	8	45	1	10	5900855137898
FT905-4412-0001	22,2	44,4	12	45	1	10	5900855137904

FT490

BALL BEARINGS

for FT905 router bits



INDEX	info	router bit application			
			pcs	pcs	
FT490-0000-0001	Ball bearing 12,7x4,76x5	FT905-2408-0001 FT905-3508-0001 FT905-4412-0001	1	10	5900855106702

FT906

STRAIGHT DOUBLE FLUTE ROUTER BITS CNC PREMIUM

NEW
SERIE



APPLICATION:

- router bits designed for wood and wood based materials processing used on upper spindle milling machines and CNC centres
- open profiles improve quality of processed surface, enable use of greater feed values, reduce cutting resistance and facilitate chip removal thanks to bigger tooth space

INDEX						
	mm	mm	mm	pcs	pcs	
FT906-0606-0001	20	6	6	1	10	5900855137911
FT906-0806-0001	26	8	6	1	10	5900855137935
FT906-1006-0001	30	10	6	1	10	5900855137959
FT906-0608-0001	20	6	8	1	10	5900855137928
FT906-0808-0001	26	8	8	1	10	5900855137942
FT906-1008-0001	30	10	8	1	10	5900855137966
FT906-1212-0001	30	12	12	1	10	5900855137973
FT906-1212-0002	38	12	12	1	10	5900855137980
FT906-1212-0003	50	12	12	1	10	5900855137997

FT907

STRAIGHT DOUBLE FLUTE ROUTER BITS CNC PREMIUM WITH DRILLING OPTION

NEW
SERIE



APPLICATION:

- router bits designed for wood and wood based materials processing used on upper spindle milling machines and CNC centres
- open profiles improve quality of processed surface, enable use of greater feed values, reduce cutting resistance and facilitate chip removal thanks to bigger tooth space

INDEX						
	mm	mm	mm	pcs	pcs	
FT907-2212-0001	17	22	12	1	10	5900855138000
FT907-3412-0001	20	34	12	1	10	5900855138017

FT908

STRAIGHT DOUBLE FLUTE ROUTER BITS CNC PREMIUM

NEW
SERIE



APPLICATION:

- router bits designed for wood and wood based materials processing used on upper spindle milling machines and CNC centres
- open profiles improve quality of processed surface, enable use of greater feed values, reduce cutting resistance and facilitate chip removal thanks to bigger tooth space

INDEX						
FT908-1212-0001	mm 30	mm 12	mm 12	pcs 1	pcs 10	5900855138024

FT909

STRAIGHT DOUBLE FLUTE ROUTER BITS CNC PREMIUM WITH LOWER BEARING

NEW
SERIE



APPLICATION:

- router bits designed for wood and wood based materials processing used on upper spindle milling machines and CNC centres
- open profiles improve quality of processed surface, enable use of greater feed values, reduce cutting resistance and facilitate chip removal thanks to bigger tooth space

INDEX						
FT909-0908-0001	mm 38	mm 9,5	mm 8	pcs 1	pcs 10	5900855138031
FT909-1212-0001	50,8	12,7	12	1	10	5900855138048

FT490

BALL BEARINGS

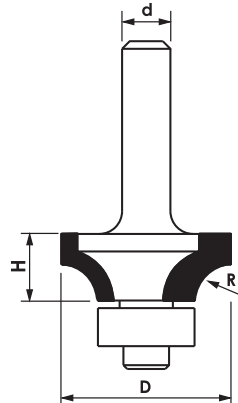
for FT909 router bits



INDEX	info	router bit application			
FT490-0000-0001	Ball bearing 12,7x4,76x5	FT909-1212-0001	pcs 1	pcs 10	5900855106702
FT490-0000-0005	Ball bearing 9,5x4,76x4	FT909-0908-0001	1	10	5900855164030

FT910

ROUNDING ROUTER BITS CNC PREMIUM WITH LOWER BEARING



APPLICATION:

- router bits designed for wood and wood based materials processing used on upper spindle milling machines and CNC centres
- open profiles improve quality of processed surface, enable use of greater feed values, reduce cutting resistance and facilitate chip removal thanks to bigger tooth space

INDEX							
	mm	mm	mm	mm	pcs	pcs	
FT910-1408-0001	5,4	14,3	8	2,4	1	10	5900855138055
FT910-2008-0001	8	20,6	8	4	1	10	5900855138062
FT910-2508-0001	11	25,4	8	6,4	1	10	5900855138079
FT910-2808-0001	12,7	28,6	8	8	1	10	5900855138086
FT910-3112-0001	16	31,7	12	9,5	1	10	5900855138093
FT910-3812-0001	19	38,1	12	12,7	1	10	5900855138109

FT490

BALL BEARINGS

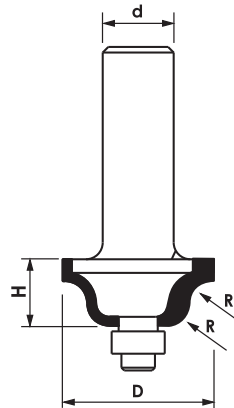
for FT910 router bits



INDEX	info	router bit application			
			pcs	pcs	
FT490-0000-0001	Ball bearing 12,7x4,76x5	FT910-2008-0001 FT910-2508-0001 FT910-2808-0001 FT910-3112-0001 FT910-3812-0001	1	10	5900855106702
FT490-0000-0005	Ball bearing 9,5x4,76x4	FT910-1408-0001	1	10	5900855164030

FT911

PROFILING ROUTER BITS CNC PREMIUM WITH LOWER BEARING



APPLICATION:

- router bits designed for wood and wood based materials processing used on upper spindle milling machines and CNC centres
- open profiles improve quality of processed surface, enable use of greater feed values, reduce cutting resistance and facilitate chip removal thanks to bigger tooth space

INDEX							
	mm	mm	mm	mm	pcs	pcs	
FT911-2208-0001	8	22,2	8	2,4	1	10	5900855138116
FT911-3408-0001	15,7	34,9	8	5,6	1	10	5900855138123
FT911-5312-0001	27	54	12	10,3	1	10	5900855138130
FT911-8812-0001	44	88,9	12	19,1	1	10	5900855138147

FT490

BALL BEARINGS

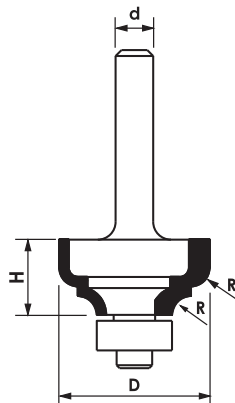
for FT911 router bits



INDEX	info	router bit application			
			pcs	pcs	
FT490-0000-0001	Ball bearing 12,7x4,76x5	FT911-2208-0001 FT911-3408-0001 FT911-5312-0001 FT911-8812-0001	1	10	5900855106702

FT912

PROFILING ROUTER BITS CNC PREMIUM WITH LOWER BEARING



APPLICATION:

- router bits designed for wood and wood based materials processing used on upper spindle milling machines and CNC centres
- open profiles improve quality of processed surface, enable use of greater feed values, reduce cutting resistance and facilitate chip removal thanks to bigger tooth space

INDEX							
	mm	mm	mm	mm	pcs	pcs	
FT912-2508-0001	12,7	25,4	8	3,2	1	10	5900855138154
FT912-3108-0001	15,9	31,8	8	6,4/4,8	1	10	5900855138161
FT912-4412-0001	20	44,5	12	8	1	10	5900855138178

FT490

BALL BEARINGS

for FT912 router bits



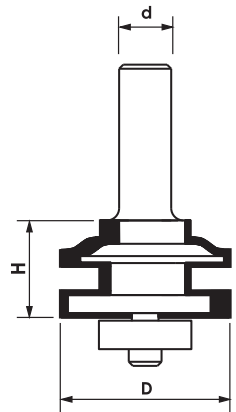
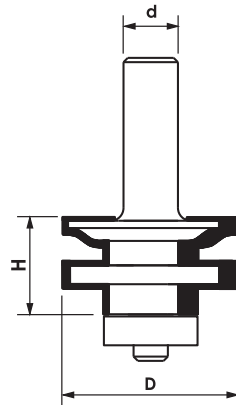
INDEX	info	router bit application			
			pcs	pcs	
FT490-0000-0001	Ball bearing 12,7x4,76x5	FT912-2508-0001 FT912-3108-0001 FT912-4412-0001	1	10	5900855106702



FT913

PROFILING ROUTER BITS CNC PREMIUM WITH LOWER BEARING

for stile and rail furniture door



APPLICATION:

- router bits designed for wood and wood based materials processing used on upper spindle milling machines and CNC centres
- open profiles improve quality of processed surface, enable use of greater feed values, reduce cutting resistance and facilitate chip removal thanks to bigger tooth space

INDEX						
FT913-3308-0001	mm 25,4	mm 33,9	mm 8	pcs 1	pcs 10	5900855138185
FT913-3308-0002	mm 25,4	mm 33,9	mm 8	pcs 1	pcs 10	5900855138192

FT490

BALL BEARINGS

for FT913 router bits

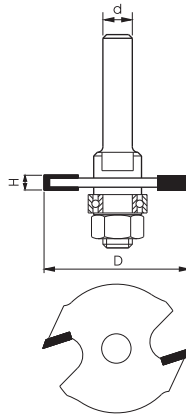


INDEX	info	router bit application			
FT490-0000-0009	Ball bearing 16x5x5	FT913-3308-0001 FT913-3308-0002	pcs 1	pcs 10	5900855166041



FT914

GROOVING ROUTER BITS CNC PREMIUM WITH ARBOR GROOVING CUTTER



APPLICATION:

- router bits designed for wood and wood based materials processing used on upper spindle milling machines and CNC centres
- open profiles improve quality of processed surface, enable use of greater feed values, reduce cutting resistance and facilitate chip removal thanks to bigger tooth space

INDEX						
	mm	mm	mm	pcs	pcs	
FT914-4008-0001	2	40	8	1	10	5900855138208
FT914-4008-0002	3	40	8	1	10	5900855138215
FT914-4008-0003	4	40	8	1	10	5900855138222
FT914-4008-0004	5	40	8	1	10	5900855138239

FT490

BALL BEARINGS

for FT914 router bits



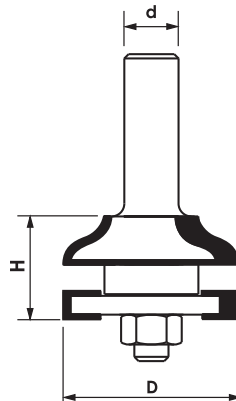
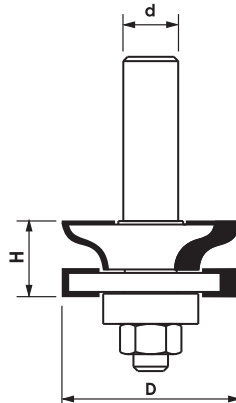
INDEX	info	router bit application			
			pcs	pcs	
FT490-0000-0010	Ball bearing 16x8x5	FT914-4008-0001 FT914-4008-0002 FT914-4008-0003 FT914-4008-0004	1	10	5900855166058



FT915

PROFILING ROUTER BITS CNC PREMIUM WITH LOWER BEARING

for stile and rail furniture door



APPLICATION:

- router bits designed for wood and wood based materials processing used on upper spindle milling machines and CNC centres
- open profiles improve quality of processed surface, enable use of greater feed values, reduce cutting resistance and facilitate chip removal thanks to bigger tooth space

INDEX						
	mm	mm	mm	pcs	pcs	
FT915-3312-0001	19	33	12	1	10	5900855138246
FT915-3312-0002	19	33	12	1	10	5900855140317
FT915-4112-0001	25,4	41	12	1	10	5900855138253
FT915-4112-0002	25,4	41	12	1	10	5900855140324

FT490

BALL BEARINGS

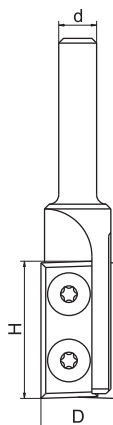
for FT915 router bits



INDEX	info	router bit application			
			pcs	pcs	
FT490-0000-0010	Ball bearing 16x8x5	FT915-3312-0001 FT915-3312-0002 FT915-4112-0001	1	10	5900855166058
FT490-0000-0011	Ball bearing 22x8x7	FT915-4112-0002	1	10	5900855166065

FT401

STRAIGHT ROUTER BITS Z=2

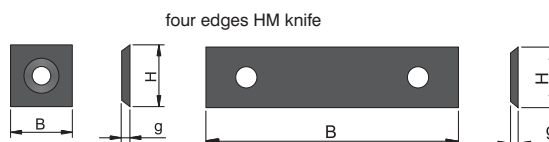


INDEX						
	mm	mm	mm	pcs	pcs	
FT401-0008-0001	12	16	8	1	20	5900855094054
FT401-0008-0002	30	16	8	1	20	5900855094061
FT401-0008-0003	40	16	8	1	20	5900855094078
FT401-0012-0001	50	19	12	1	42	5900855094085

LJ555

INSERT KNIVES

for FT401 router bits – four edges



INDEX				blades number	application			
	mm	mm	mm			pcs	pcs	
LJ555-1212-0001	12	12	1,5	Z4	universal HM knife	1	10	5900855135047
LJ555-1212-0002	12	12	1,5	Z4	HM knife for hardwood	1	10	5900855135054
LJ555-1212-0003	12	12	1,5	Z4	HM knife for panels and wood-based materials	1	10	5900855135061
LJ555-2912-0001	29,5	12	1,5	Z4	universal HM knife	1	10	5900855135177
LJ555-2912-0002	29,5	12	1,5	Z4	HM knife for hardwood	1	10	5900855135184
LJ555-2912-0003	29,5	12	1,5	Z4	HM knife for panels and wood-based materials	1	10	5900855135191
LJ555-3912-0001	39,5	12	1,5	Z4	universal HM knife	1	10	5900855135238
LJ555-3912-0002	39,5	12	1,5	Z4	HM knife for hardwood	1	10	5900855135245
LJ555-3912-0003	39,5	12	1,5	Z4	HM knife for panels and wood-based materials	1	10	5900855135252
LJ555-4912-0001	49,5	12	1,5	Z4	universal HM knife	1	10	5900855135290
LJ555-4912-0002	49,5	12	1,5	Z4	HM knife for hardwood	1	10	5900855135306
LJ555-4912-0003	49,5	12	1,5	Z4	HM knife for panels and wood-based materials	1	10	5900855135313

FT470

CLAMPING SCREWS

for FT401 router bits



INDEX	info	for router bits			
			pcs	pcs	
FT470-0003-0001	Clamping screw – M3x5	FT401-0008-0001, FT401-0008-0002, FT401-0008-0003, FT401-0012-0001	1	10	5900855106665

FT480

HEX KEYS

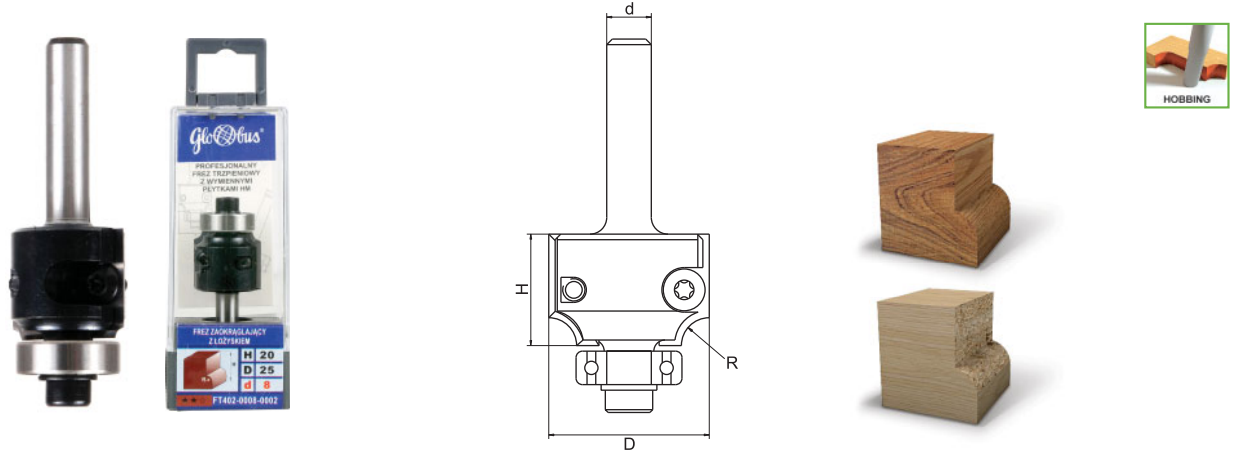
for FT401 router bits



INDEX	info	for router bits			
			pcs	pcs	
FT480-0000-0001	Hex key for insert knives (CR-VT15)	FT401-0008-0001, FT401-0008-0002, FT401-0008-0003, FT401-0012-0001	1	10	5900855106696

FT402

ROUNDING OVER ROUTER BITS WITH LOWER BEARING Z=2



INDEX							
	mm	mm	mm	mm	pcs	pcs	
FT402-0008-0001	20	23	8	2	1	20	5900855094139
FT402-0008-0002	20	25	8	3	1	20	5900855094146
FT402-0008-0003	20	29	8	5	1	20	5900855094153

FT450

INSERT KNIVES

for FT402 router bits – two edges



INDEX							
	mm	mm	mm	mm	pcs	pcs	
FT450-0020-0001	20	9	1,5	2	2	10	5900855094160
FT450-0020-0002	20	9	1,5	3	2	10	5900855094177
FT450-0020-0003	20	9	1,5	5	2	10	5900855094184

FT470

CLAMPING SCREWS

for FT402 router bits



INDEX	info	for router bits			
			pcs	pcs	
FT470-0004-0001	Clamping screw for insert knives M4x4	FT402-0008-0001	1	10	5900855106672
FT470-0004-0002	Clamping screw for insert knives M4x6	FT402-0008-0002, FT402-0008-0003	1	10	5900855106689
FT470-0003-0002	Hex socket head screw for bearing M3x8 + spacer	FT402-0008-0001, FT402-0008-0002, FT402-0008-0003	1	10	5900855155984

FT490

BALL BEARINGS

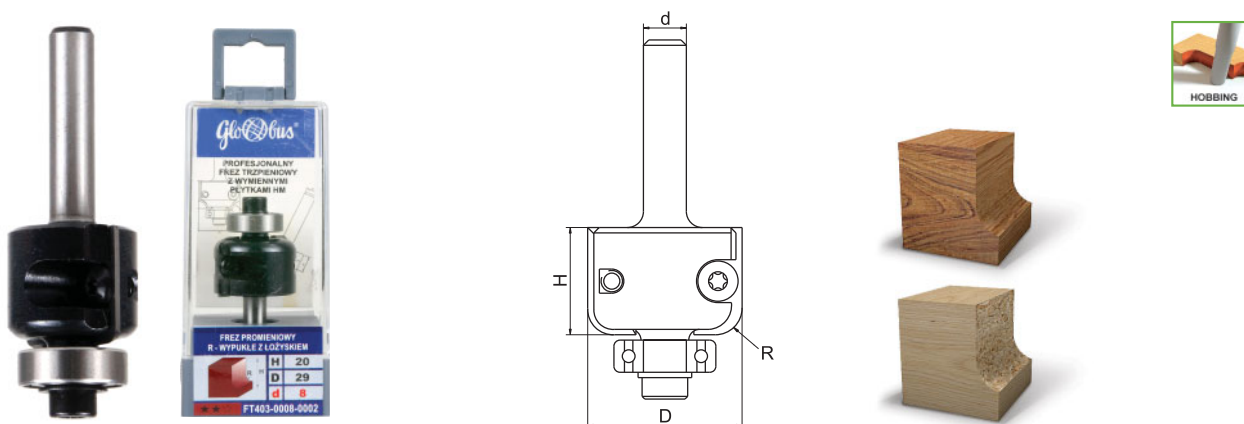
for FT402 router bits



INDEX	info	for router bits			
			pcs	pcs	
FT490-0000-0002	Ball bearing 19x8x6	FT402-0008-0001, FT402-0008-0002, FT402-0008-0003	1	10	5900855106719

FT403

ROUNDING OVER ROUTER BITS WITH LOWER BEARING Z=2

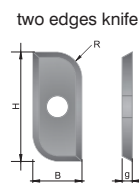


INDEX							
	mm	mm	mm	mm	pcs	pcs	
FT403-0008-0001	20	25	8	3	1	20	5900855094191
FT403-0008-0002	20	29	8	5	1	20	5900855094207

FT450

INSERT KNIVES

for FT403 router bits – two edges



INDEX							
	mm	mm	mm	mm	pcs	pcs	
FT450-0020-0004	20	9	1,5	3	2	10	5900855104715
FT450-0020-0005	20	9	1,5	5	2	10	5900855104722

FT470

CLAMPING SCREWS

for FT403 router bits



INDEX	info	for router bits			
			pcs	pcs	
FT470-0004-0002	Clamping screw for insert knives M4x6	FT403-0008-0001, FT403-0008-0002	1	10	5900855106689
FT470-0003-0002	Hex socket head screw for bearing M3x8 + spacer	FT403-0008-0001, FT403-0008-0002	1	10	5900855155984

FT490

BALL BEARINGS

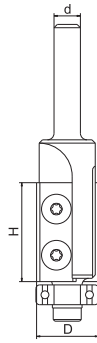
for FT403 router bits



INDEX	info	for router bits			
			pcs	pcs	
FT490-0000-0002	Ball bearing 19x8x6	FT403-0008-0001, FT403-0008-0002	1	10	5900855106719

FT404

STRAIGHT ROUTER BITS WITH LOWER BEARING Z=2

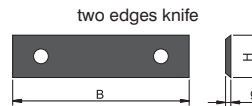


INDEX						
	mm	mm	mm	pcs	pcs	
FT404-0008-0001	30	19	8	1	20	5900855094238
FT404-0008-0002	40	19	8	1	42	5900855094245
FT404-0012-0001	50	19	12	1	40	5900855094252

LJ555

INSERT KNIVES

for FT404 router bits – two edges



INDEX				blades number	application			
	mm	mm	mm			pcs	pcs	
LJ555-3012-0001	30	12	1,5	Z2	universal HM knife	1	10	5900855135207
LJ555-3012-0002	30	12	1,5	Z2	HM knife for hardwood	1	10	5900855135214
LJ555-3012-0003	30	12	1,5	Z2	HM knife for panels and wood-based materials	1	10	5900855135221
LJ555-4012-0001	40	12	1,5	Z2	universal HM knife	1	10	5900855135269
LJ555-4012-0003	40	12	1,5	Z2	HM knife for panels and wood-based materials	1	10	5900855135283
LJ555-5012-0001	50	12	1,5	Z2	universal HM knife	1	10	5900855135320
LJ555-5012-0002	50	12	1,5	Z2	HM knife for hardwood	1	10	5900855135337
LJ555-5012-0003	50	12	1,5	Z2	HM knife for panels and wood-based materials	1	10	5900855135344

FT470

CLAMPING SCREWS

for FT404 router bits



INDEX	info	for router bits			
			pcs	pcs	
FT470-0003-0001	Clamping screw for insert knives M3x5	FT404-0008-0001, FT404-0008-0002, FT404-0012-0001	1	10	5900855106665
FT470-0003-0002	Hex socket head screw for bearing M3x8 + spacer	FT404-0008-0001, FT404-0008-0002, FT404-0012-0001	1	10	5900855155984

FT480

HEX KEYS

for FT404 router bits



INDEX	info	for router bits			
			pcs	pcs	
FT480-0000-0001	Hex key for insert knives (CR-VT15)	FT404-0008-0001, FT404-0008-0002, FT404-0012-0001	1	10	5900855106696

FT490

BALL BEARINGS

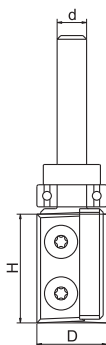
for FT404 router bits



INDEX	info	for router bits			
			pcs	pcs	
FT490-0000-0003	Ball bearing 19x6x6	FT404-0008-0001, FT404-0008-0002	1	10	5900855132336
FT490-0000-0002	Ball bearing 19x8x6	FT404-0012-0001	1	10	5900855106719

FT405

STRAIGHT ROUTER BITS WITH UPPER BEARING Z=2

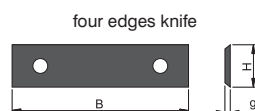


INDEX						
	mm	mm	mm	pcs	pcs	
FT405-0008-0001	30	19	8	1	20	5900855094290
FT405-0008-0002	40	19	8	1	20	5900855094306
FT405-0012-0001	50	21	12	1	20	5900855143035

LJ555

INSERT KNIVES

for FT405 router bits – four edges



INDEX				blades number	application			
	mm	mm	mm			pcs	pcs	
LJ555-2912-0001	29,5	12	1,5	Z4	universal HM knife	1	10	5900855135177
LJ555-2912-0002	29,5	12	1,5	Z4	HM knife for hardwood	1	10	5900855135184
LJ555-2912-0003	29,5	12	1,5	Z4	HM knife for panels and wood-based materials	1	10	5900855135191
LJ555-3912-0001	39,5	12	1,5	Z4	universal HM knife	1	10	5900855135238
LJ555-3912-0002	39,5	12	1,5	Z4	HM knife for hardwood	1	10	5900855135245
LJ555-3912-0003	39,5	12	1,5	Z4	HM knife for panels and wood-based materials	1	10	5900855135252
LJ555-4912-0001	49,5	12	1,5	Z4	universal HM knife	1	10	5900855135290
LJ555-4912-0002	49,5	12	1,5	Z4	HM knife for hardwood	1	10	5900855135306
LJ555-4912-0003	49,5	12	1,5	Z4	HM knife for panels and wood-based materials	1	10	5900855135313

FT470

CLAMPING SCREWS

for FT405 router bits



INDEX	info	for router bits			
			pcs	pcs	
FT470-0003-0001	Clamping screw for insert knives M3x5	FT405-0008-0001, FT405-0008-0002, FT405-0012-0001	1	10	5900855106665

FT480

HEX KEYS

for FT405 router bits



INDEX	info	for router bits			
			pcs	pcs	
FT480-0000-0001	Hex key for insert knives (CR-VT15)	FT405-0008-0001, FT405-0008-0002, FT405-0012-0001	1	10	5900855106696

FT490

BALL BEARINGS

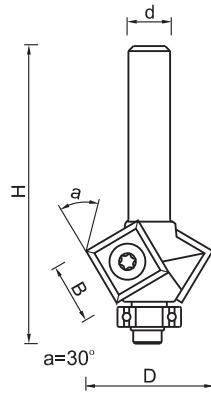
for FT405 router bits



INDEX	info	for router bits			
			pcs	pcs	
FT490-0000-0002	Ball bearing 19x8x6	FT405-0008-0001, FT405-0008-0002	1	10	5900855106719
FT490-0000-0004	Ball bearing 21x12x5	FT405-0012-0001	1	10	5900855164023
FT490-0015-0002	Bushing for ball bearing for router bits 15,5/8	FT405-0008-0001, FT405-0008-0002, FT405-0012-0001	1	10	5900855132343

FT406

BEVEL ROUTER BITS WITH LOWER BEARING Z=2



INDEX						
	mm	mm	mm	pcs	pcs	
FT406-0008-0001	12	26	8	1	20	5900855094337

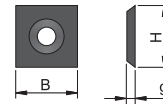
LJ555

INSERT KNIVES

for FT406 router bits – four edges



four edges knife



INDEX				blades number	application			
	mm	mm	mm			pcs	pcs	
LJ555-1212-0001	12	12	1,5	Z4	universal HM knife	1	10	5900855135047
LJ555-1212-0002	12	12	1,5	Z4	HM knife for hardwood	1	10	5900855135054
LJ555-1212-0003	12	12	1,5	Z4	HM knife for panels and wood-based materials	1	10	5900855135061

FT470

CLAMPING SCREWS

for FT406 router bits



INDEX	info	for router bits			
			pcs	pcs	
FT470-0003-0001	Clamping screw for insert knives M3x5	FT406-0008-0001	1	10	5900855106665
FT470-0003-0002	Hex socket head screw for bearing M3x8 + spacer	FT406-0008-0001	1	10	5900855155984

FT480

HEX KEYS

for FT406 router bits



INDEX	info	for router bits			
			pcs	pcs	
FT480-0000-0001	Hex key for insert knives (CR-VT15)	FT406-0008-0001	1	10	5900855106696

FT490

BALL BEARINGS

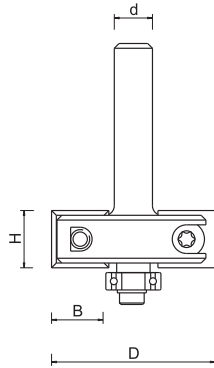
for FT406 router bits



INDEX	info	for router bits			
			pcs	pcs	
FT490-0000-0008	Ball bearing 15x6x5	FT406-0008-0001	1	10	5900855166034

FT407

GROOVING ROUTER BITS WITH LOWER BEARING Z=2

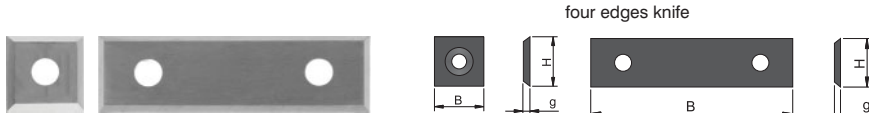


INDEX						
	mm	mm	mm	pcs	pcs	
FT407-0008-0001	10	35	8	1	20	5900855094344
FT407-0008-0002	12	35	8	1	20	5900855094351
FT407-0012-0001	20	45	12	1	20	5900855094368

LJ555

INSERT KNIVES

for FT407 router bits – four edges



INDEX				blades number	application			
	mm	mm	mm			pcs	pcs	
LJ555-1212-0001	12	12	1,5	Z4	universal HM knife	1	10	5900855135047
LJ555-1212-0002	12	12	1,5	Z4	HM knife for hardwood	1	10	5900855135054
LJ555-1212-0003	12	12	1,5	Z4	HM knife for panels and wood-based materials	1	10	5900855135061
LJ555-1912-0001	19,5	12	1,5	Z4	universal HM knife	1	10	5900855135115
LJ555-1912-0002	19,5	12	1,5	Z4	HM knife for hardwood	1	10	5900855135122
LJ555-1912-0003	19,5	12	1,5	Z4	HM knife for panels and wood-based materials	1	10	5900855135139

FT470

CLAMPING SCREWS

for FT407 router bits



INDEX	info	for router bits			
			pcs	pcs	
FT470-0004-0002	Clamping screw for insert knives M4x6	FT407-0008-0001, FT407-0008-0002, FT407-0012-0001	1	10	5900855106689
FT470-0003-0002	Hex socket head screw for bearing M3x8 + spacer	FT407-0008-0001, FT407-0008-0002, FT407-0012-0001	1	10	5900855155984

FT480

HEX KEYS

for FT407 router bits



INDEX	info	for router bits			
			pcs	pcs	
FT480-0000-0001	Hex key for insert knives (CR-VT15)	FT407-0008-0001, FT407-0008-0002, FT407-0012-0001	1	10	5900855106696

FT490

BALL BEARINGS

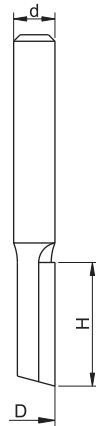
for FT407 router bits



INDEX	info	for router bits			
			pcs	pcs	
FT490-0000-0001	Ball bearing 12,7x4,76x5	FT407-0008-0001, FT407-0008-0002, FT407-0012-0001	1	10	5900855106702

FT501

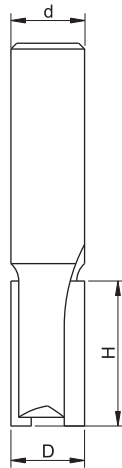
STRAIGHT ROUTER BITS – SINGLE FLUTE



INDEX							
	mm	mm	mm	mm	pcs	pcs	
FT501-0008-0001	10	3	8	1	20	5900855094405	
FT501-0006-0002	10	4	6	1	20	5900855112642	
FT501-0008-0004	10	4	8	1	20	5900855112659	
FT501-0008-0005	10	5	8	1	20	5900855112666	
FT501-0006-0001	15	4	6	1	20	5900855094412	
FT501-0008-0002	15	4	8	1	20	5900855094429	
FT501-0008-0003	15	5	8	1	20	5900855094436	

FT502

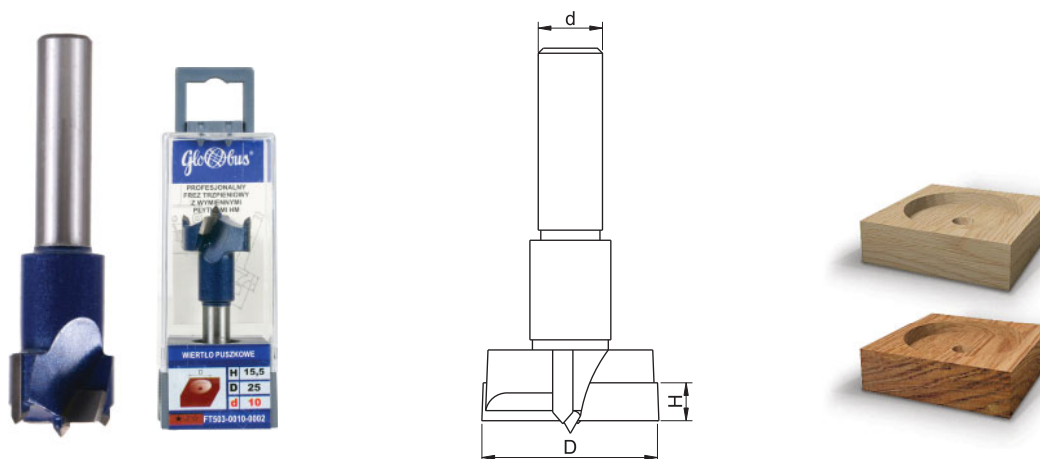
STRAIGHT ROUTER BITS – DOUBLE FLUTE



INDEX							
	mm	mm	mm	mm	pcs	pcs	
FT502-0008-0009	19	6	8	1	20	5900855112673	
FT502-0008-0010	19	8	8	1	20	5900855112680	
FT502-0008-0011	19	10	8	1	20	5900855112697	
FT502-0008-0012	19	14	8	1	20	5900855112703	
FT502-0008-0013	19	16	8	1	20	5900855112710	
FT502-0008-0001	30	8	8	1	20	5900855094443	
FT502-0008-0002	30	10	8	1	20	5900855094450	
FT502-0008-0003	30	12	8	1	20	5900855094467	
FT502-0008-0004	30	14	8	1	20	5900855094474	
FT502-0008-0005	30	15	8	1	20	5900855094481	
FT502-0008-0006	30	16	8	1	20	5900855094498	
FT502-0008-0007	30	18	8	1	20	5900855094504	
FT502-0008-0008	30	20	8	1	20	5900855094511	
FT502-0012-0001	30	8	12	1	20	5900855094528	
FT502-0012-0002	30	10	12	1	20	5900855094535	
FT502-0012-0003	38,1	12	12	1	20	5900855094542	
FT502-0012-0004	38,1	14	12	1	20	5900855094559	
FT502-0012-0005	38,1	16	12	1	20	5900855094566	

FT503

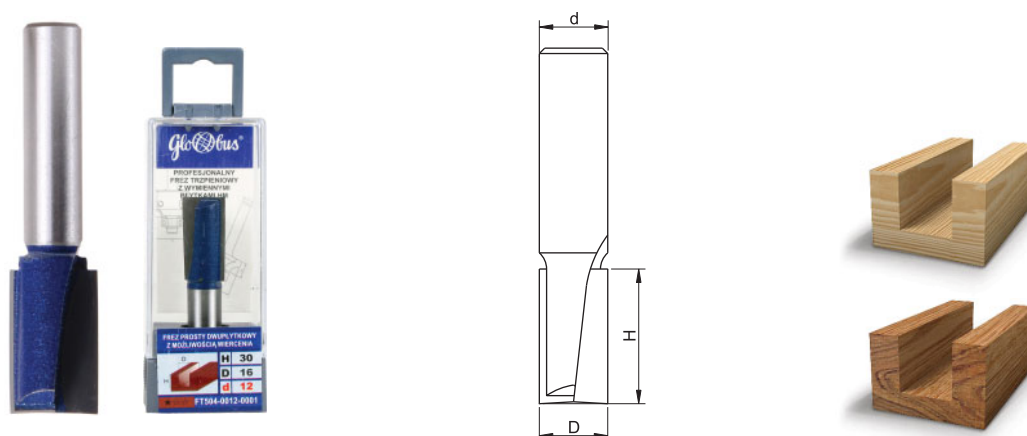
CYLINDER BORING BITS



INDEX						
	mm	mm	mm	pcs	pcs	
FT503-0010-0001	15,5	20	10	1	20	5900855094573
FT503-0010-0002	15,5	25	10	1	20	5900855094580
FT503-0010-0003	15,5	35	10	1	20	5900855094597
FT503-0010-0004	15,5	40	10	1	10	5900855094603

FT504

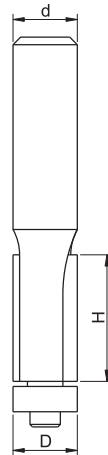
STRAIGHT DOUBLE FLUTE ROUTER BITS WITH DRILLING OPTION



INDEX						
	mm	mm	mm	pcs	pcs	
FT504-0008-0001	20	12	8	1	20	5900855094610
FT504-0012-0001	30	16	12	1	20	5900855094627
FT504-0012-0002	30	19	12	1	20	5900855094634

FT505

STRAIGHT DOUBLE FLUTE ROUTER BITS WITH LOWER BEARING



INDEX						
	mm	mm	mm	pcs	pcs	
FT505-0008-0001	30	8	8	1	20	5900855094641
FT505-0012-0001	38,1	12	12	1	20	5900855094658

FT470

CLAMPING SCREWS

for FT505 router bits



INDEX	info	for router bits			
			pcs	pcs	
FT470-0002-0001	Hex socket head screw for bearing M2,5x8 + spacer	FT505-0008-0001	1	10	5900855155977
FT470-0003-0002	Hex socket head screw for bearing M3x8 + spacer	FT505-0012-0001	1	10	5900855155984

FT490

BALL BEARINGS

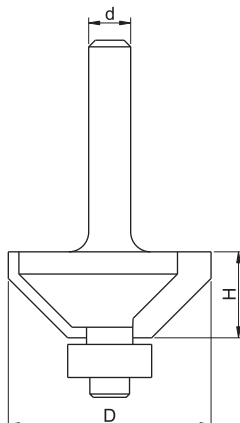
for FT505 router bits



INDEX	info	for router bits			
			pcs	pcs	
FT490-0000-0006	Ball bearing 8x3x4	FT505-0008-0001	1	10	5900855166010
FT490-0000-0007	Ball bearing 12x4x4	FT505-0012-0001	1	10	5900855166027

FT506

BEVEL ROUTER BITS WITH LOWER BEARING



INDEX						
	mm	mm	mm	pcs	pcs	
FT506-0008-0001	12,7	31	8	1	20	5900855094665
FT506-0008-0002	15,9	35,5	8	1	20	5900855094672

FT470

CLAMPING SCREWS

for FT506 router bits



INDEX	info	for router bits			
			pcs	pcs	
FT470-0003-0002	Hex socket head screw for bearing M3x8 + spacer	FT506-0008-0001, FT506-0008-0002	1	10	5900855155984

FT490

BALL BEARINGS

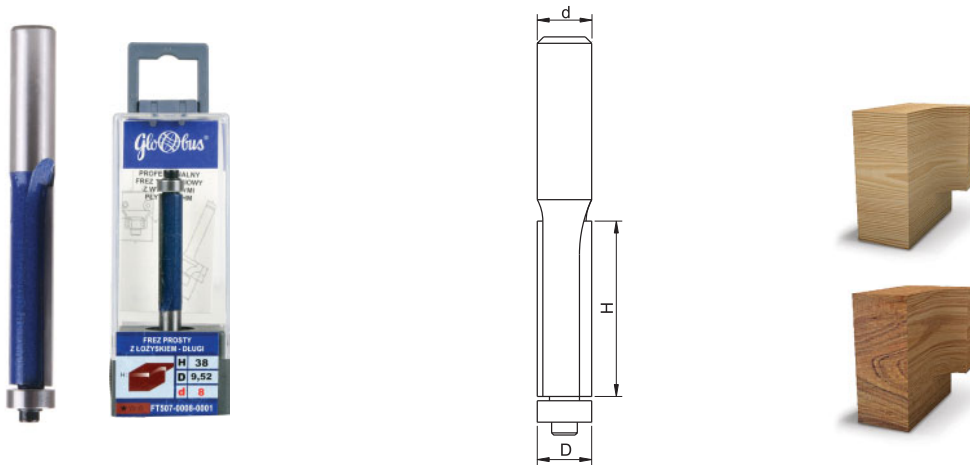
for FT506 router bits



INDEX	info	for router bits			
			pcs	pcs	
FT490-0000-0001	Ball bearing 12,7x4,76x5	FT506-0008-0001, FT506-0008-0002	1	10	5900855106702

FT507

STRAIGHT ROUTER BITS WITH LOWER BEARING – LONG



INDEX						
FT507-0008-0001	38	9,5	8	1	20	5900855094696
FT507-0012-0001	50,8	12,7	12	1	42	5900855094689

FT470

CLAMPING SCREWS

for FT507 router bits



INDEX	info	for router bits			
FT470-0003-0002	Hex socket head screw for bearing M3x8 + spacer	FT507-0008-0001, FT507-0012-0001	1	10	5900855155984

FT490

BALL BEARINGS

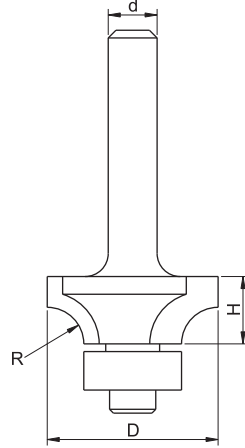
for FT507 router bits



INDEX	info	for router bits			
FT490-0000-0005	Ball bearing 9,5x4,8x4	FT507-0008-0001	1	10	5900855164030
FT490-0000-0001	Ball bearing 12,7x4,76x5	FT507-0012-0001	1	10	5900855106702

FT508

ROUNDING OVER ROUTER BITS WITH LOWER BEARING



INDEX							
	mm	mm	mm	mm	pcs	pcs	
FT508-0008-0001	5,4	14,3	8	2,4	1	20	5900855094702
FT508-0008-0002	6,4	15,9	8	3,2	1	20	5900855094719
FT508-0008-0003	11	25,4	8	6,4	1	20	5900855094726
FT508-0008-0004	16	31,8	8	9,5	1	20	5900855094733
FT508-0008-0005	19	38,1	8	12,7	1	20	5900855094740
FT508-0012-0001	21,5	44,5	12	15,9	1	10	5900855094757
FT508-0012-0002	25	50,8	12	19,1	1	10	5900855094764

FT470

CLAMPING SCREWS

for FT508 router bits



INDEX	info	for router bits			
			pcs	pcs	
FT470-0003-0002	Hex socket head screw for bearing M3x8 + spacer	FT508-0008-0001, FT508-0008-0002, FT508-0008-0003, FT508-0008-0004, FT508-0008-0005, FT508-0012-0001, FT508-0012-0002	1	10	5900855155984

FT490

BALL BEARINGS

for FT508 router bits





INDEX	info	for router bits			
			pcs	pcs	
FT490-0000-0001	Ball bearing 12,7x4,76x5	FT508-0008-0003, FT508-0008-0004, FT508-0008-0005, FT508-0012-0001, FT508-0012-0002	1	10	5900855106702
FT490-0000-0005	Ball bearing 9,5x4x76x4	FT508-0008-0001, FT508-0008-0002	1	10	5900855164030

FT470

CLAMPING SCREWS

for router bits





INDEX	info	for router bits		
			pcs	
FT470-0002-0001	Hex socket head screw for bearing M2,5x8 + spacer	FT505-0008-0001	1	5900855155977
FT470-0003-0001	Clamping screw for insert knives M3x5	FT401-0008-0001, FT401-0008-0002, FT401-0008-0003, FT401-0012-0001, FT404-0008-0001, FT404-0008-0002, FT404-0012-0001, FT405-0008-0001, FT405-0008-0002, FT405-0012-0001, FT406-0008-0001	1	5900855106665
FT470-0003-0002	Hex socket head screw for bearing M3x8 + spacer	FT402-0008-0001, FT402-0008-0002, FT402-0008-0003, FT403-0008-0001, FT403-0008-0002, FT404-0008-0001, FT404-0008-0002, FT404-0012-0001, FT406-0008-0001, FT407-0008-0001, FT407-0008-0002, FT407-0012-0001, FT505-0012-0001, FT506-0008-0001, FT506-0008-0002, FT507-0008-0001, FT507-0012-0001, FT508-0008-0001, FT508-0008-0002, FT508-0008-0003, FT508-0008-0004, FT508-0008-0005, FT508-0012-0001, FT508-0012-0002	1	5900855155984
FT470-0004-0001	Clamping screw for insert knives M4x4	FT402-0008-0001	1	5900855106672
FT470-0004-0002	Clamping screw for insert knives M4x6	FT402-0008-0002, FT402-0008-0003, FT403-0008-0001, FT403-0008-0002, FT407-0008-0001, FT407-0008-0002, FT407-0012-0001	1	5900855106689
FT470-0005-0001	Hex socket head screw for bearing M5x8 + spacer	FT408-0010-0001	1	5900855155991

FT480

HEX KEYS

for router bits





INDEX	info	for router bits		
			pcs	
FT480-0000-0001	Hex key for insert knives (CR-VT15)	FT401-0008-0001, FT401-0008-0002, FT401-0008-0003, FT401-0012-0001, FT402-0008-0001, FT402-0008-0002, FT402-0008-0003, FT403-0008-0001, FT403-0008-0002, FT404-0008-0001, FT404-0008-0002, FT404-0012-0001, FT405-0008-0001, FT405-0008-0002, FT405-0012-0001, FT406-0008-0001, FT407-0008-0001, FT407-0008-0002, FT407-0012-0001	1	5900855106696

FT490

BALL BEARINGS

for router bits



INDEX	info	for router bits		
			pcs	
FT490-0000-0001	Ball bearing 12,7x4,74x5	FT407-0008-0001, FT407-0008-0002, FT407-0012-0001, FT506-0008-0001, FT506-0008-0002, FT507-0012-0001, FT508-0008-0003, FT508-0008-0004, FT508-0008-0005, FT508-0012-0001, FT508-0012-0002, FT905-2408-0001, FT905-3508-0001, FT905-4412-0001, FT909-1212-0001, FT910-2008-0001, FT910-2508-0001, FT910-2808-0001, FT910-3112-0001, FT910-3812-0001, FT911-2208-0001, FT911-3408-0001, FT911-5312-0001, FT911-8812-0001, FT912-2508-0001, FT912-3108-0001, FT912-4412-0001	1	5900855106702
FT490-0000-0002	Ball bearing 19x8x6	FT402-0008-0001, FT402-0008-0002, FT402-0008-0003, FT403-0008-0001, FT403-0008-0002, FT404-0012-0001, FT405-0008-0001, FT405-0008-0002	1	5900855106719
FT490-0000-0003	Ball bearing 19x6x6	FT404-0008-0001, FT404-0008-0002	1	5900855132336
FT490-0000-0004	Ball bearing 21x12x5	FT405-0012-0001	1	5900855164023
FT490-0000-0005	Ball bearing 9,5x4,76x4	FT507-0008-0001, FT508-0008-0001, FT508-0008-0002, FT909-0908-0001, FT910-1408-0001	1	5900855164030
FT490-0000-0006	Ball bearing 8x3x4	FT505-0008-0001	1	5900855166010
FT490-0000-0007	Ball bearing 12x4x4	FT505-0012-0001	1	5900855166027
FT490-0000-0008	Ball bearing 15x6x5	FT406-0008-0001	1	5900855166034
FT490-0000-0009	Ball bearing 16x5x5	FT913-3308-0001, FT913-3308-0002	1	5900855166041
FT490-0000-0010	Ball bearing 16x8x5	FT914-4008-0001, FT914-4008-0002, FT914-4008-0003, FT914-4008-0004, FT915-3312-0001, FT915-3312-0002, FT915-4112-0001	1	5900855166058
FT490-0000-0011	Ball bearing 22x8x7	FT915-4112-0002	1	5900855166065
FT490-0015-0002	Bushing for ball bearing for router bits 15,5/8	FT405-0008-0001, FT405-0008-0002	1	5900855132343


DEAR CUSTOMERS

DIA products presented in our catalogue are among the most advanced tools in Europe in terms of design and quality. We cooperate with one of the oldest and most innovative manufacturers of diamond tools, MICROTECH.

The spiral design (used in most router bits) of the arrangement of PCD tips provides the best cutting conditions and workpiece surface quality, while ensuring quiet operation and a very small load on machining centres.

By creating such a broad range of tools, we wanted to meet the needs of tool users for products that combine quality and price, and products of the longest life and performance that are used on most production lines in Poland and Europe.

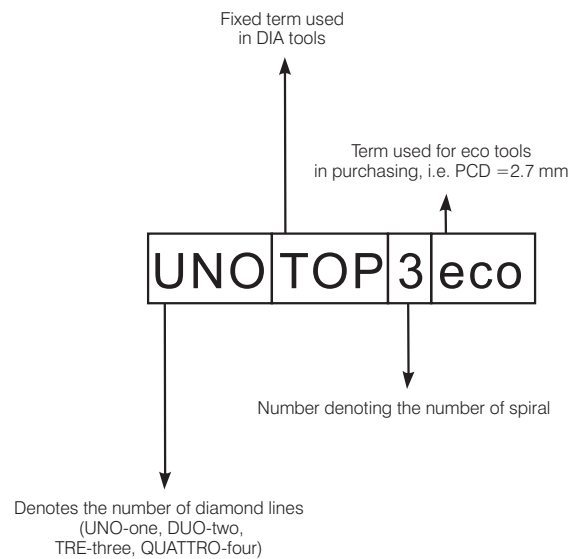
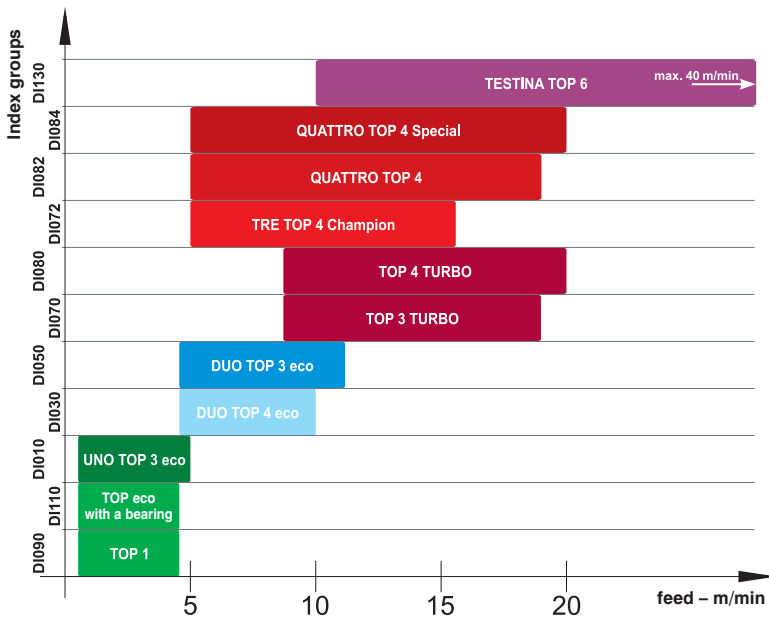
DEAR CUSTOMER, PLEASE NOTE THAT:

- 1). All eco series router bits are made in a right-rotary version with a HM drilling tip as standard.
- 2). Upon request, we make router bits in a left-rotary version and/or with a PCD drilling tip (not applicable with TURBO and SPECIAL cutters that have a diamond PCD tip as standard).
- 3). We have the capacity to manufacture router bits of any type with a top chip removal upon request.
- 4). x – type dimensions are in stock.
- 5). Type dimensions of router bits, which do not have the  sign are products which are made to order (lead time 4 – 5 weeks).
- 6). All tools feature additional micro-grinding on PCD tips. Micro-grinding is an additional grinding operation performed in order to achieve the best smoothness of the cutting edge – in the PCD layer.
- 7). Tools included in our offer are covered with a special layer of hard chrome and labelled with a permanent laser mark.

**DI TECHNICAL INFORMATION
DIA ROUTER BITS**



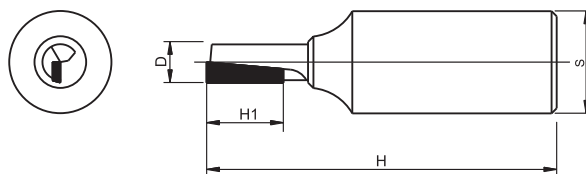
SIMPLIFIED DIAGRAM OF SELECTING DIA ROUTER BITS BASED ON THE RATE OF FEED:



Assuming treatment of:
 – one type of material
 – the same thickness of material
 – identical work conditions (type of machine, type of machining, e.g. hobbing)

DI090

ROUTER BITS DIA TOP 1



EXECUTION & TECHNICAL INFORMATION:

- straight router bits – single or double flute*
- **PCD tip height 2,7 mm** (possible: 4-5 sharpenings) or 4,0 mm (possible approx. 8 sharpenings)
- body made to order from steel or sintered carbide
- feed rate** should not exceed **4 m/min**

APPLICATION:

- used for work in wood derived materials (raw and laminated chipboard, MDF, etc.)
- new body construction ensures better work and efficiency and good chip removal
- used for grooving and rebating e.g. for window shutters

INDEX					body	number of blades		
	mm	mm	mm	mm			pcs	
○ DI090-0612-0001	6	8	12	65	steel	1	1	5900855082693
○ DI090-0612-0003	6	12	12	75	steel	1	1	5900855082716
○ DI090-0612-0004	6	12	12	65	HM	1	1	5900855082723
○ DI090-0808-0001	8	10	8	80	HM	1	1	5900855099806
○ DI090-0812-0003	8	15	12	85	steel	1	1	5900855082754
○ DI090-0808-0002	8	15	8	80	HM	1	1	5900855099813
○ DI090-1012-0001	10	20	12	75	steel	1+1	1	5900855082778

Legend: ○ – to order

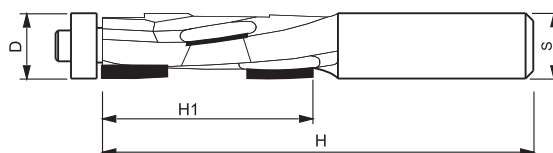
INFO: edge number = no. of PCD lines + drilling tip HM

* straight single flute router bit with one PCD tip on one side of router bit axle, straight double flute router bit with PCD tips on both sides of router bit axle

** optimal feed rate depends on individual machine working parameters: type of cut material, rotary speed, processing type (hobbing or cutting off)

DI110

ROUTER BITS DIA TOP ECO WITH BEARING



EXECUTION & TECHNICAL INFORMATION:

- one full PCD edge (triple flute) or two edges (quadruple flute)
- **PCD tip height 2,7 mm**
- optimal feed rate* **4 m/min**
- sharpening possibility

APPLICATION:

- router bit with lower bearing used in universal hand milling machines
- recommended mainly for hard materials processing e.g. chipboards, MDF, HDF, hard domestic and exotic wood
- hobbing

ATTENTION: each sharpening reduces the router bit working diameter in relation to bearing, necessary: use of additional pattern (no base on the surface of processed material possible)

INDEX						number of blades		
	mm	mm	mm	mm	mm		pcs	
○ DI110-1212-0001	12,7	25	12	80	3	1	1	5900855082921
○ DI110-1212-0002	12,7	35	12	90	4	1	1	5900855082938
○ DI110-1212-0003	12,7	43	12	100	5	1	1	5900855082945

Legend: ○ – to order

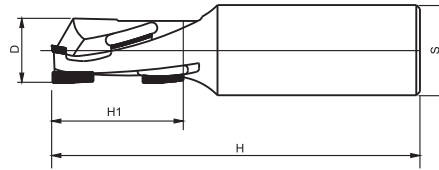
INFO: edge number = no. of PCD lines

* optimal feed rate depends on individual machine working parameters: type of cut material, rotary speed, processing type (hobbing or cutting off)

IMPORTANT: Router bits with working length H1=43 mm with special HM body (more resistant to breaking in comparison to standard steel body)

DI010

ROUTER BITS DIA UNO TOP 3 ECO



EXECUTION & TECHNICAL INFORMATION:

- one full PCD edge (triple flute)
- **PCD tip height 2,7 mm**
- possible: 4 – 5 sharpenings
- average optimal feed rate* **5 m/min**

APPLICATION:

- for hard materials processing e.g. chipboards, MDF, HDF, hard domestic and exotic wood
- cutting edge shape guarantees the best results in homogenous and coated (permanently bound) materials
- adjusted for mechanical feed
- drilling in material and further processing possible
- contour milling

INDEX						number of blades		
	mm	mm	mm	mm	mm	10,5x2,7	pcs	
DI010-1012-0001	10	25	12	75	3	1+1	1	5900855081085
DI010-1212-0001	12	25	12	80	3	1+1	1	5900855081092
DI010-1212-0002	12	35	12	85	4	1+1	1	5900855081108
DI010-1212-0003	12	43	12	100	5	1+1	1	5900855092869
DI010-1616-0001	16	25	16	80	3	1+1	1	5900855081115
DI010-1616-0002	16	35	16	85	4	1+1	1	5900855081122
DI010-1616-0003	16	43	16	90	5	1+1	1	5900855081139
○ DI010-1820-0001	18	25	20	85	3	1+1	1	5900855081153
○ DI010-1820-0002	18	35	20	95	4	1+1	1	5900855081160
○ DI010-1820-0003	18	43	20	100	5	1+1	1	5900855081177
○ DI010-2020-0001	20	25	20	85	3	1+1	1	5900855081214
○ DI010-2020-0002	20	35	20	95	4	1+1	1	5900855081221
○ DI010-2020-0003	20	43	20	100	5	1+1	1	5900855081238
○ DI010-2020-0004	20	52	20	105	6	1+1	1	5900855081245
○ DI010-2020-0005	20	61	20	115	7	1+1	1	5900855081252

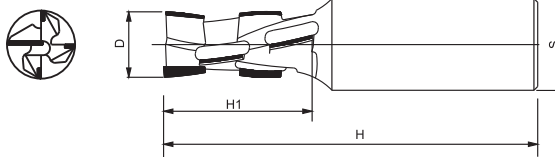
Legend: ○ – to order

INFO: No. of PCD lines + drilling tip HM
 * Optimal feed rate depends on individual machine working parameters: type of cut material, rotary speed, processing type (hobbing or cutting off)

IMPORTANT: router bits with:
 ■ PCD tip=4 mm in group UNO TOP3 DI020 – with diameter from 18-22 mm to order
 ■ grip 25 mm and HM body increase the resistance to breaking and the life time

DI030

ROUTER BITS DIA DUO TOP 4 ECO



EXECUTION & TECHNICAL INFORMATION:

- two full edges (quadruple flute)
- **PCD tip height 2,7 mm**
- enables: 3-5 sharpenings
- oblique position top/bottom guarantees the best quality of the cut surface if optimal feed rate* **from 4 up to 10 m/min** chosen
- the use of two full edges PCD enables to increase the efficiency by over 200% in relation to standard straight router bits and by 150% in relation to router bits UNO TOP 3 eco with single diamond flute

APPLICATION:

- for hard materials processing e.g. chipboards, MDF, HDF, hard domestic and exotic wood
- cutting edge shape guarantees the best results in homogenous and coated (permanently bound) materials
- adjusted for mechanical feed
- drilling in material and further processing possible
- contour milling

INDEX						number of blades		
	mm	mm	mm	mm	10,5x2,7		pcs	
DI030-1212-0001	12	25	12	80	6	2+1	1	5900855081481
DI030-1212-0002	12	34	12	85	8	2+1	1	5900855081498
DI030-1616-0001	16	25	16	80	6	2+1	1	5900855081504
DI030-1616-0002	16	34	16	85	8	2+1	1	5900855081511
DI030-1620-0001	16	34	20	100	8	2+1	1	5900855081535
DI030-1616-0003	16	42	16	90	10	2+1	1	5900855081528
DI030-1820-0001	18	25	20	85	6	2+1	1	5900855081542
DI030-1820-0002	18	34	20	95	8	2+1	1	5900855081559
DI030-1820-0003	18	42	20	100	10	2+1	1	5900855081566
DI030-2020-0001	20	25	20	85	6	2+1	1	5900855081603
DI030-2020-0002	20	34	20	95	8	2+1	1	5900855081610
DI030-2020-0003	20	42	20	100	10	2+1	1	5900855081627
DI030-2020-0004	20	51	20	105	12	2+1	1	5900855081634
DI030-2020-0005	20	62	20	115	14	2+1	1	5900855081641

Legend:

○ – to order

INFO: edge number = no. of PCD lines + drilling tip (HM and PCD – inclusive)

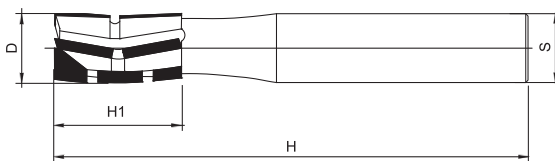
* optimal feed rate depends on individual machine working parameters: type of cut material, rotary speed, processing type (hobbing or cutting off)

IMPORTANT: router bits with:

- PCD tip=4 mm in group DUO TOP 4 DI040 – with diameter from 20-25 mm available, 8-10 sharpenings
- with upper chip removal
- grip 25 mm and HM body increase the resistance to breaking and the life time

DI035

ROUTER BITS DIA NEST TOP 3+3 ECO

NEW
IN OFFER

EXECUTION & TECHNICAL INFORMATION:

- special construction and position of PCD tips use heterogenous construction (layers) of chipboard what enables perfect processing of both sides of the board with high parameters
- two PCD precutting tips (top/bottom)
- three full PCD edges (arranged in 3 flutes with two pre-cutting tips)
- **PCD tip height 2,5 mm**
- **high efficiency** -> adjusted to high loads and feed rates* **from 10 up to 30 m/min**
- special tips position reduces cutting resistance

APPLICATION:

- PCD router bits for nesting
- recommended for hard materials processing like laminated and melamine chipboards, MDF and other wood based materials with excellent quality of upper and lower board edges
- work with high feed rates
- cutting edge shape guarantees the best results in homogenous and coated materials
- adjusted for mechanical feed
- drilling in material and further processing possible
- contour milling

INDEX					number of blades		
	mm	mm	mm	mm		pcs	
DI035-1212-0001	12	16	12	80	3+1	1	5900855161473
DI035-1212-0002	12	21	12	75	3+1	1	5900855161480
DI035-1212-0003	12	25	12	80	3+1	1	5900855161497
DI035-1212-0004	12	30	14	85	3+1	1	5900855162326

Legend:

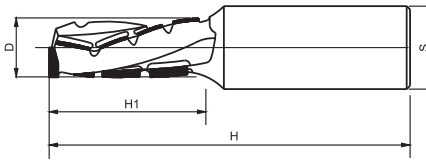
○ – to order

INFO: edge number = no. of PCD lines + drilling tip (HM and PCD – inclusive)

* optimal feed rate depends on individual machine working parameters: type of cut material, rotary speed, processing type (hobbing or cutting off)

DI050

ROUTER BITS DIA DUO TOP 3 ECO



EXECUTION & TECHNICAL INFORMATION:

- two full PCD edges (arranged in 3 flutes – does not concern D=12 mm)
- PCD tip height 2,7 mm**
- enables: 3-5 sharpenings
- oblique position top/bottom guarantees the best quality of the cut surface if optimal feed rate* **from 5 up to 12 m/min** chosen
- the use of two full edges PCD enables to increase the efficiency by over 150% in relation to standard straight router bits

APPLICATION:

- for hard materials processing e.g. chipboards, MDF, HDF, hard domestic and exotic wood
- cutting edge shape guarantees the best results in homogenous and coated (permanently bound) materials
- adjusted for mechanical feed
- drilling in material and further processing possible
- contour milling

INDEX						number of blades		
	mm	mm	mm	mm	8x2,7		pcs	
DI050-1212-0001	12	27	12	78	5+1	2+1	1	5900855081849
DI050-1212-0002	12	34	12	95	7+1	2+1	1	5900855107174
DI050-1620-0001	16	26	20	80	7+1	2+1	1	5900855081894
DI050-1616-0001	16	26	16	80	7+1	2+1	1	5900855081887
DI050-1616-0002	16	43	16	105	12+1	2+1	1	5900855090025
DI050-1616-0003	16	34	16	95	9+1	2+1	1	5900855092586
DI050-1620-0002	16	34	20	95	9+1	2+1	1	5900855081900
DI050-1820-0001	18	26	20	80	7+1	2+1	1	5900855081931
DI050-1820-0002	18	34	20	95	9+1	2+1	1	5900855081948
DI050-1820-0003	18	45	20	105	12+1	2+1	1	5900855081955
DI050-2020-0001	20	26	20	95	7+1	2+1	1	5900855081993
DI050-2020-0002	20	34	20	100	9+1	2+1	1	5900855082006
DI050-2020-0003	20	45	20	115	12+1	2+1	1	5900855082013
DI050-2020-0004	20	56	20	120	15+1	2+1	1	5900855082020

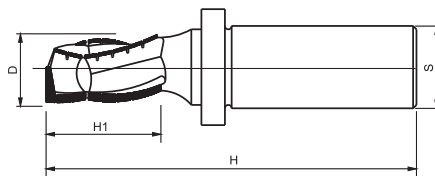
Legend: ○ – to order

INFO: edge number = no. of PCD lines + drilling tip HM
* optimal feed rate depends on individual machine working parameters: type of cut material, rotary speed, processing type (hobbing or cutting off)

IMPORTANT: router bits with: PCD tip=4 mm in group DUO TOP 3 DI060 – with diameter from 20-25 mm, 8-10 sharpenings
with upper chip removal grip 25 mm and HM body increase the resistance to breaking and the life time

DI070

ROUTER BITS DIA TOP 3 TURBO



EXECUTION & TECHNICAL INFORMATION:

- three full PCD edges (arranged in 3 flutes)
- PCD tip height 4,5 mm**
- long router bit life** -> enables: **8-12 sharpenings** (depending on exploitation and processed material quality)
- special flange protecting the shank
- high efficiency** -> adjusted to high load and feed rates* **from 8 up to 18 m/min**
- drilling tip PCD

APPLICATION:

- work in high load conditions and with high feed rates, for hard materials processing e.g. chipboards, MDF, HDF, hard domestic and exotic wood
- cutting edge shape guarantees the best results in homogenous and coated (permanently bound) materials
- adjusted for mechanical feed
- drilling in material and further processing possible
- contour milling
- the execution with or without flange is dependent on chip removal direction

INDEX						number of blades		
	mm	mm	mm	mm	4,8x4,8 12x4,5 10x4,5 8x4,5		pcs	
DI070-2220-0001	22	25	20	85	7 2 1 1	3+1	1	5900855082327
DI070-2220-0002	22	30	20	95	10 2 1 1	3+1	1	5900855082334
DI070-2520-0001	25	25	20	100	7 2 1 1	3+1	1	5900855082365
DI070-2520-0002	25	30	20	110	10 2 1 1	3+1	1	5900855082372
DI070-2520-0003	25	35	20	115	13 2 1 1	3+1	1	5900855082389
DI070-2520-0004	25	40	20	117	16 2 1 1	3+1	1	5900855082396
DI070-2520-0005	25	45	20	122	19 2 1 1	3+1	1	5900855082402
DI070-2520-0006	25	50	20	127	22 2 1 1	3+1	1	5900855082419
DI070-2520-0007	25	55	20	132	25 2 1 1	3+1	1	5900855082426
DI070-2520-0008	25	60	20	137	27 2 1 1	3+1	1	5900855082433
DI070-2520-0009	25	65	20	142	30 2 1 1	3+1	1	5900855082440

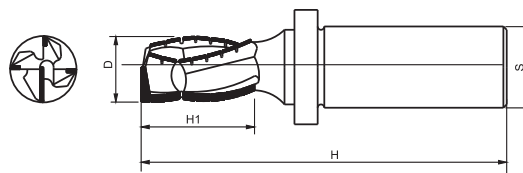
Legend: ○ – to order

INFO: edge number = no. of PCD lines + drilling tip PCD
* optimal feed rate depends on individual machine working parameters: type of cut material, rotary speed, processing type (hobbing or cutting off)

IMPORTANT: router bits with grip 25 mm possible

DI080

ROUTER BITS DIA TOP 4 TURBO



EXECUTION & TECHNICAL INFORMATION:

- four full PCD edges (arranged in 4 flutes)
- PCD tip height 4,5 mm (depending on exploitation and processed material quality)
- long router bit life -> enables: 10-12 sharpenings
- special flange protecting the shank
- high efficiency -> adjusted to high load and feed rates* from 8 up to 20 m/min
- n drilling tip PCD

APPLICATION:

- for hard materials processing e.g. chipboards, MDF, HDF, hard domestic and exotic wood
- cutting edge shape guarantees the best results in homogenous and coated (permanently bound) materials
- adjusted for mechanical feed
- drilling in material and further processing possible
- contour milling

INDEX									number of blades		
	mm	mm	mm	mm	4,8x4,8	12x4,5	10x4,5	8x4,5			
DI080-2520-0001	25	30	20	95	10	2	1	1	4+1	1	5900855082549
DI080-2520-0002	25	36	20	100	13	2	1	1	4+1	1	5900855082556
DI080-2520-0003	25	41	20	106	16	2	1	1	4+1	1	5900855082563
DI080-2520-0004	25	47	20	112	19	2	1	1	4+1	1	5900855082570
DI080-2520-0005	25	53	20	118	25	2	1	1	4+1	1	5900855082587
DI080-2520-0006	25	59	20	124	27	2	1	1	4+1	1	5900855082594
DI080-2520-0007	25	64	20	130	30	2	1	1	4+1	1	5900855082600

Legend: ○ – to order

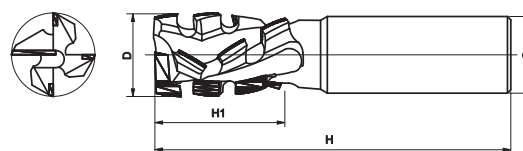
INFO: edge number = no. of PCD lines + drilling tip PCD

* optimal feed rate depends on individual machine working parameters: type of cut material, rotary speed, processing type (hobbing or cutting off)

IMPORTANT: router bits with grip 25 mm possible

DI072

ROUTER BITS DIA TRE TOP 4 CHAMPION



EXECUTION & TECHNICAL INFORMATION:

- three full PCD edges (arranged in 4 flutes)
- PCD tip height 4,5 mm
- long router bit life -> enables: 10-12 sharpenings (depending on exploitation and processed material quality)
- high efficiency -> adjusted to high load and feed rates* from 5 up to 16 m/min
- special tips position reduces cutting resistance
- drilling tip PCD

APPLICATION:

- work in high load conditions and with high feed rates, for hard materials processing e.g. chipboards, MDF, HDF, hard domestic and exotic wood
- very good quality of worked surfaces
- cutting edge shape guarantees the best results in homogenous and coated (permanently bound) materials
- adjusted for mechanical feed
- drilling in material and further processing possible
- contour milling

INDEX					number of blades		
	mm	mm	mm				
DI072-2520-0001	25	22	20	8x4,5	3+1	1	5900855107334
DI072-2520-0002	25	30	20	8+1	3+1	1	5900855107341
DI072-2520-0003	25	34	20	12+1	3+1	1	5900855107358
DI072-2520-0004	25	39	20	14+1	3+1	1	5900855107365
DI072-2520-0005	25	44	20	16+1	3+1	1	5900855107372
DI072-2520-0006	25	49	20	18+1	3+1	1	5900855107389
DI072-2520-0007	25	55	20	20+1	3+1	1	5900855107396
DI072-2520-0008	25	60	20	22+1	3+1	1	5900855107402
DI072-2520-0009	25	65	20	24+1	3+1	1	5900855107419

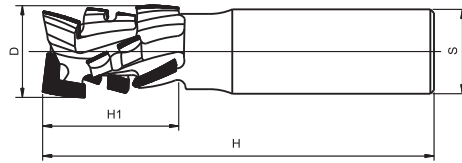
Legend: ○ – to order

INFO: edge number = no. of PCD lines + drilling tip PCD

* optimal feed rate depends on individual machine working parameters: type of cut material, rotary speed, processing type (hobbing or cutting off)

DI082

ROUTER BITS DIA QUATTRO TOP 4



EXECUTION & TECHNICAL INFORMATION:

- special construction and position of PCD tips use heterogenous construction (layers) of chipboard what enables perfect processing of both sides of the board with high parameters
- two PCD precutting tips (top/bottom)
- four full PCD edges (arranged in 4 flutes with two pre-cutting tips)
- **PCD tip height 4,5 mm**
- **long router bit life** -> enables: **10-12 sharpenings** (depending on exploitation and processed material quality)
- **high efficiency** -> adjusted to high load and feed rates* **from 5 up to 18 m/min**
- **special tips position reduces cutting resistance**
- **drilling tip PCD**

APPLICATION:

- recommended for processing of panels with foil and laminate with excellent quality of upper and lower board edges (e.g. tabletop)
- work in high load conditions and with high feed rates, for hard materials processing e.g. chipboards, MDF, HDF
- **cutting edge shape guarantees the best results in heterogenous and coated materials**
- adjusted for mechanical feed
- drilling in material and further processing possible
- contour milling

INDEX					number of blades		
	mm	mm	mm	6x4,5	12x4,5	pcs	
○ DI082-2520-0001	25	22	20	3	7	4+4	5900855107433
○ DI082-2520-0002	25	30	20	3	7	4+4	5900855107440
○ DI082-2520-0003	25	34	20	6	7	4+4	5900855107457
○ DI082-2520-0004	25	39	20	6	7	4+4	5900855107464
○ DI082-2520-0005	25	44	20	9	7	4+4	5900855107471
○ DI082-2520-0006	25	49	20	9	7	4+4	5900855107488
○ DI082-2520-0007	25	55	20	12	7	4+4	5900855107495

Legend:

○ - to order

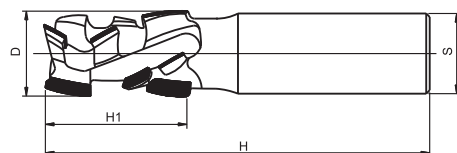
INFO:

edge number = no. of PCD lines + drilling tip PCD

* optimal feed rate depends on individual machine working parameters: type of cut material, rotary speed, processing type (hobbing or cutting off)

DI084

ROUTER BITS DIA QUATTRO TOP 4 SPECIAL



EXECUTION & TECHNICAL INFORMATION:

- advanced construction and position of PCD tips enable perfect quality for high working parameters
- **high efficiency** -> adjusted to high load and feed rates* **from 5 up to 20 m/min**
- two special PCD precutting tips (top/bottom) enable very good quality of both edges of processed material
- four full PCD edges (arranged in 4 flutes with two pre-cutting tips)
- **PCD tip height 4,5 mm**
- **long life** -> enables: **10-12 sharpenings** (depending on exploitation and processed material quality)
- **special tips position reduces cutting resistance (perfect chip removal) and decreases the noise level**
- **drilling tip PCD**

APPLICATION:

- **recommended for processing of panels with foil and laminate with excellent quality of upper and lower board edges**
- **hard domestic and exotic wood – high quality of processed surfaces**
- work in high load conditions and with high feed rates, for hard materials processing e.g. chipboards, MDF, HDF
- cutting edge shape guarantees the best results in heterogenous and coated materials
- adjusted for mechanical feed
- drilling in material and further processing possible
- contour milling

INDEX					number of blades				
	mm	mm	mm	12x4,5	8x4,5	7x4,5	6x4,5	pcs	
○ DI084-2220-0001	22	36	20	5	-	8	-	4+4	5900855106498
○ DI084-2520-0001	25	25	20	5	2	4	-	4+4	5900855107501
○ DI084-2520-0002	25	30	20	5	-	4	4	4+4	5900855107518
○ DI084-2520-0003	25	36	20	5	-	8	-	4+4	5900855107525
○ DI084-2520-0004	25	40	20	5	2	4	6	4+4	5900855107532

Legend:

○ - to order

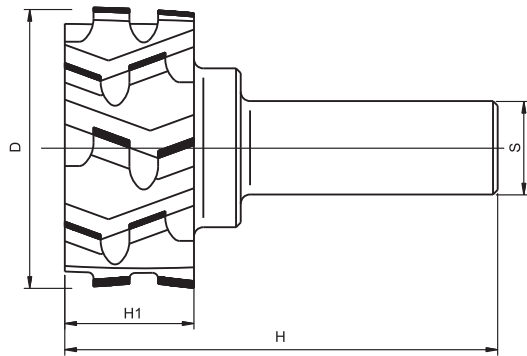
INFO:

edge number = no. of PCD lines + drilling tip PCD

* optimal feed rate depends on individual machine working parameters: type of cut material, rotary speed, processing type (hobbing or cutting off)

DI130

ROUTER BITS DIA TESTINA TOP 6



EXECUTION & TECHNICAL INFORMATION:

- advanced construction combining the features of router bit and high performance hobbing cutter
- position of PCD tips enables perfect quality for high working parameters
- **high efficiency** -> adjusted to high load and feed rates* **from 10 up to 40 m/min** (not possible to achieve while other router bits used)
- special position of pre-cutting tips enables very good quality of both edges of processed material
- **PCD tip height 4,5 mm**
- also available in eco version PCD=2,5 mm -> to order
- **long life** -> enables: **10-12 sharpenings** (depending on exploitation and processed material quality)

APPLICATION:

- recommended for hobbing of panels with foil and laminate with excellent quality of upper and lower board edges
- recommended for curved hobbing (the best results while single-layer board milling)
- work in high load conditions and with high feed rates, for hard materials processing e.g. chipboards, MDF, HDF, hard domestic and exotic wood
- high quality of processed surfaces
- **cutting edge shape guarantees very good results in homogenous and coated materials**
- adjusted for mechanical feed
- drilling in material and further processing possible
- contour milling and hobbing

INDEX						
	mm	mm	mm	1 2 3 4 PCD	pcs	
○ DI130-6020-0001	60	24	20	18	1	5900855106443
○ DI130-6020-0002	60	30	20	24	1	5900855107549
○ DI130-6020-0003	60	36	20	36	1	5900855107556

Legend:

○ - to order

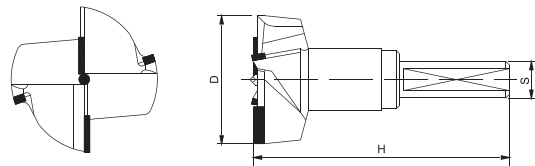
INFO:

number of blades = no. of PCD lines + PCD drilling tip

* optimal feed rate depends on individual machine working parameters: type of cut material, rotary speed, processing type (hobbing or cutting off)

DI500

CYLINDER BORING BITS DIA



EXECUTION & TECHNICAL INFORMATION:

- special steel body
- **PCD tip height 2,5 mm** enables: 3-4 sharpenings
- configuration and construction of cutting edge guarantee the highest quality and efficiency measured in thousand of drillings

APPLICATION:

- used in multi spindle drilling machines or stationary drilling machines or CNC machining centres
- PCD drill bits designed for processing chipboard with laminate, foil or raw chipboard and MDF

INDEX				number of blades		
	mm	mm	mm		pcs	
○ DI500-1510-0001	15	10	57	2+2	1	5900855083485
○ DI500-2510-0001	25	10	57	2+2	1	5900855083508
○ DI500-2610-0001	26	10	57	2+2	1	5900855083522
○ DI500-3010-0001	30	10	57	2+2	1	5900855083546
○ DI500-3510-0001	35	10	57	2+2	1	5900855083560
○ DI500-4010-0001	40	10	57	2+2	1	5900855083584
○ DI500-1510-0002	15	10	70	2+2	1	5900855083492
○ DI500-2510-0002	25	10	70	2+2	1	5900855083515
○ DI500-2610-0002	26	10	70	2+2	1	5900855083539
○ DI500-3010-0002	30	10	70	2+2	1	5900855083553
○ DI500-3510-0002	35	10	70	2+2	1	5900855083577
○ DI500-4010-0002	40	10	70	2+2	1	5900855083591

Legend:

○ - to order

INFO:

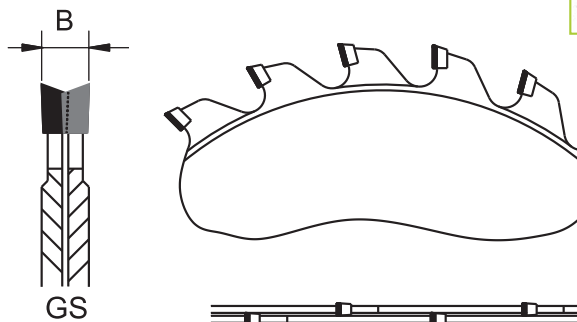
cylinder boring bits made in versions: left and right



DI315

SEGMENTAL SCORING SAW BLADES DIA

for scoring wood-based materials



EXECUTION & TECHNICAL INFORMATION:

- PCD tip height 4,0 mm
- sharpening: **PCD tip 4,0 from 6 mm – up to 8 sharpenings**
- scoring saws with outer diameter 80 mm and 100 mm made to custom order possible

APPLICATION:

- scoring saw combined with main saw on horizontal sizing machines with option of adjustment with distance pieces
- used for work in wood derived materials (laminated, raw chipboard, MDF, etc.)

INDEX					geometry			
	mm	mm	mm			mm	pcs	
○ DI315-0120-0003	120	20	2,8-3,6	12+12	GS	4,0	1	5900855107013
○ DI315-0120-0004	120	22	2,8-3,6	12+12	GS	4,0	1	5900855104579
DI315-0125-0003	125	20	2,8-3,6	12+12	GS	4,0	1	5900855107020
DI315-0125-0004	125	22	2,8-3,6	12+12	GS	4,0	1	5900855107037

Legend: ○ – to order

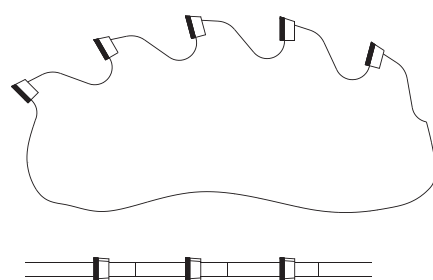
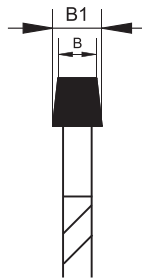
NEW INDEXES



DI310

CONICAL SCORING SAW BLADES DIA

for scoring wood-based materials



EXECUTION & TECHNICAL INFORMATION:

- standard **PCD tip height 4,0 mm** (to order PCD 6 mm)
- possible: **8-10 sharpenings**

APPLICATION:

- adjusted for work on horizontal and vertical sizing machines with option of scoring spindle adjustment
- used for work in wood derived materials (laminated, raw chipboard, MDF, etc.)

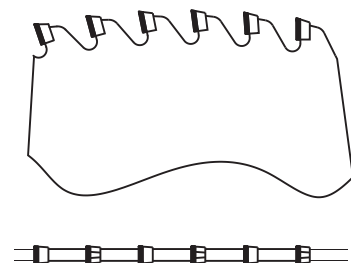
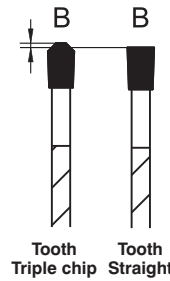
INDEX							
	mm	mm	mm		mm	pcs	
○ DI310-0120-0001	120	20	3,2 - 4,1	24	4,0	1	5900855083393
○ DI311-0125-0004	125	20	3,1 - 4,0	24	4,0	1	5900855144759
○ DI311-0125-0005	125	22	3,1 - 4,0	24	4,0	1	5900855156417
○ DI310-0125-0001	125	20	3,2 - 4,1	24	4,0	1	5900855083409
○ DI310-0125-0002	125	22	3,2 - 4,1	24	4,0	1	5900855089043
○ DI310-0150-0001	150	30	3,2 - 4,1	24	4,0	1	5900855083416
○ DI310-0150-0002	150	30	3,2 - 4,1	36	4,0	1	5900855083423
○ DI310-0160-0001	160	30	4,4 - 5,6	36	4,0	1	5900855083430
○ DI310-0180-0001	180	30	4,4 - 5,6	36	4,0	1	5900855083447
○ DI310-0200-0001	200	30	4,4 - 5,6	48	4,0	1	5900855083454
○ DI310-0220-0001	220	30	4,4 - 5,6	48	4,0	1	5900855083478

Legend: ○ – to order

INFO: in case of combination of scoring saw with HM-tipped saw blade it is recommended to use the scoring saw with width 3,0-4,0 mm

DI300

CIRCULAR SAW BLADES DIA



EXECUTION & TECHNICAL INFORMATION:

- **PCD tip height 4,0 mm or 5,0 mm** (for saws B=3,2 mm – possible to use PCD tip with height 3,5 mm)
- possible: 8-12 sharpenings
- standard: saws with GA teeth geometry
- to order other teeth geometry: GS, GM

APPLICATION:

- cutting and sizing of wood derived materials (laminated, raw chipboard, MDF etc.) on horizontal and vertical sizing machines

INDEX							
	mm	mm	mm		mm	pcs	
○ DI300-0200-0001	200	30	3,2	36	3,5	1	5900855083201
○ DI300-0250-0001	250	30	3,2	60	3,5	1	5900855083218
○ DI300-0250-0002	250	30	3,2	80	3,5	1	5900855083225
○ DI300-0300-0001	300	30	3,2	72	3,5	1	5900855083232
○ DI300-0300-0002	300	30	3,2	96	3,5	1	5900855083249
○ DI300-0350-0001	350	30	3,5	72	3,5	1	5900855083256
○ DI300-0350-0002	350	30	3,5	108	3,5	1	5900855083263
○ DI300-0350-0003	350	30	4,4	60	4,0	1	5900855083270
○ DI300-0350-0004	350	30	4,4	72	4,0	1	5900855083287
○ DI300-0350-0005	350	30	4,4	96	4,0	1	5900855083294
○ DI300-0400-0001	400	30	4,4	60	4,0	1	5900855083300
○ DI300-0400-0002	400	30	4,4	72	4,0	1	5900855083317
○ DI300-0400-0003	400	30	4,4	96	4,0	1	5900855083324
○ DI300-0450-0002	450	30	4,4	60	4,0	1	5900855083348
○ DI300-0450-0003	450	30	4,4	72	4,0	1	5900855083355
○ DI300-0450-0004	450	30	4,4	96	4,0	1	5900855083362
○ DI300-0480-0001	480	30	4,4	60	4,0	1	5900855083379
○ DI300-0480-0002	480	30	4,8	72	4,0	1	5900855083386

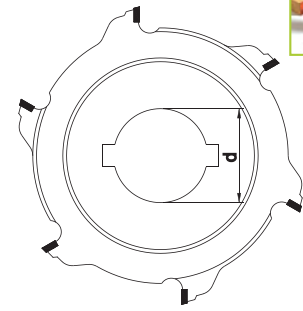
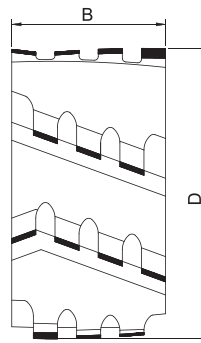
Legend: ○ – to order

INFO: circular saws with 6 mm PCD tips available

DI210

CUTTERHEADS

for edge banders DIA TOP-CUT 1 eco



EXECUTION & TECHNICAL INFORMATION:

- three full PCD edges (arranged in 6 flutes)
- monolithic body made from special steel
- precise balance ensures low noise level and stable work
- cutterheads in versions: right or left
- **PCD tip height 2,5 mm in version eco**
- possible: 3-5 sharpenings

APPLICATION:

- processing of wood derived materials (laminated, raw chipboard, MDF etc.)
- adjusted to work on special single and double spindle edge banders

INDEX					R / L		
	mm	mm	mm			pcs	
○ DI210-0080-0004	80	32	30	3+3	R	1	5900855107921
○ DI210-0080-0001	80	40	30	3+3	R	1	5900855083096
○ DI210-0080-0002	80	48	30	3+3	R	1	5900855083102
○ DI210-0080-0003	80	56	30	3+3	R	1	5900855083119
○ DI210-0100-0002	100	32	30	3+3	R	1	5900855083133
○ DI210-0100-0001	100	40	30	3+3	R	1	5900855083126
○ DI210-0100-0006	100	48	30	3+3	R	1	5900855102582
○ DI210-0100-0003	100	56	30	3+3	R	1	5900855083140
○ DI210-0100-0004	100	63	30	3+3	R	1	5900855083157
○ DI210-0125-0005	125	32	30	3+3	R	1	5900855107938
○ DI210-0125-0001	125	40	30	3+3	R	1	5900855083164
○ DI210-0125-0002	125	48	30	3+3	R	1	5900855083171
○ DI210-0125-0003	125	56	30	3+3	R	1	5900855083188
○ DI210-0125-0004	125	63	30	3+3	R	1	5900855083195

Legend: ○ – to order

IMPORTANT: cutterheads with 4 mm PCD tips (8-10 sharpenings) available, index: DI200

DI220

CUTTERHEADS

for edge banders DIA TOP-CUT 2



EXECUTION & TECHNICAL INFORMATION:

- three full PCD edges 3+3 – arranged in pairs as a set
- PCD tips arranged in flutes
- **PCD tip height 4,5 mm – enables: 8-10 sharpenings**
- **made to customer order**

APPLICATION:

- segmental cutterhead with option of working height adjustment according to material thickness and better use of PCD cutting edges in relation to edges of processed material
- used for work in wood derived materials (laminated, raw chipboard, MDF and derivated)
- adjusted to work on special edge banders

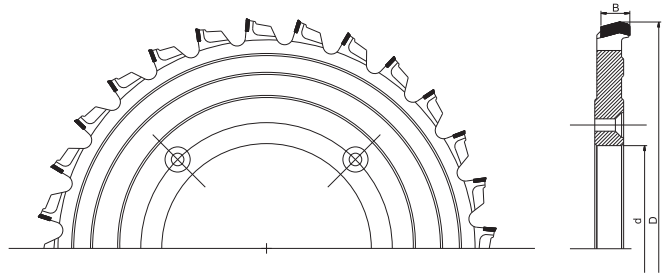


INDEX						
	mm	mm	mm		pcs	
○ –	150	20/40	30/40/50	6+6	1	–
○ –	160	20/40	30/40/50	6+6	1	–
○ –	180	20/40	30/40/50	6+6	1	–
○ –	160	20/40	30/40/50	8+8	1	–
○ –	180	20/40	30/40/50	8+8	1	–
○ –	200	20/40	30/40/50	8+8	1	–
○ –	160	20/40	30/40/50	10+10	1	–
○ –	180	20/40	30/40/50	10+10	1	–
○ –	200	20/40	30/40/50	10+10	1	–

Legend: ○ – to order

DI410

COMPACT CUTTERHEADS DIA PROGRESIVE



EXECUTION & TECHNICAL INFORMATION:

- PCD tip height 6,0 mm – enables: 10-12 sharpenings
- stable, steel body
- the newest teeth geometry construction
- made to customer order
- in offer all types of clamping systems (incl. hydro)

APPLICATION:

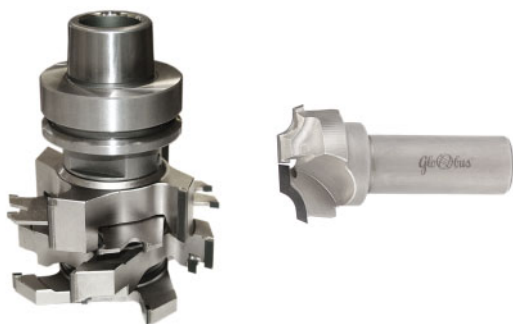
- for work on single- or double-sided sizing machines, work in forward direction of production line
- work in constalation: two cutterheads or cutterhead-scoring saw
- designed for processing of chipboard: laminated, foiled or raw, MDF
- very good quality of processed board edges

INDEX						
	mm	mm	mm		pcs	
○ –	200	14	100	12+12	1	–
○ –	250	14	100	18+18	1	–
○ –	250	14	100	24+24	1	–
○ –	250	14	100	28+28	1	–
○ –	250	14	100	30+30	1	–

Legend: ○ – to order

DI

SET OF PROFILE ARBOR MILLING CUTTERS DIA PROFILE ROUTER BIT DIA



We produce to order:



- arbor cutters PCD
- profile router bits PCD
- other PCD tools acc. to technical drawings in CAD-files

Router bits are quoted individually.

DI990

CLAMPS





INDEX	type of bushing	d		
		mm	pcs	
DI990-0000-0001	ER32	20	1	5900855089111
DI990-0000-0002	ER32	16	1	5900855095471
DI990-0000-0003	ER32	12	1	5900855095488
DI990-0000-0004	ER40	20	1	5900855095495
DI990-0000-0005	ER40	16	1	5900855095501
DI990-0000-0006	ER40	12	1	5900855095518
DI990-0000-0007	EOC25	20	1	5900855095525
DI990-0000-0008	EOC25	25	1	5900855095532

DI990

GRIPS



INDEX	type of bushing	speed	mount height	info		
			mm		pcs	
DI990-0000-0010	ER32	right	73		1	5900855103152
DI990-0000-0011	ER32	right	73	Morbidelli (with gears)	1	5900855103169

ATTENTION: On request, HSK 63F mounts (please specify the type of bushing – ER32 or ER40 or EOC25).



CHAPTER II TOOLS FOR METAL ALUMINIUM AND PVC MACHINING



HM-TIPPED SAW BLADES ALUEX TYPE SAW BLADES FOR CHAMFERING GLAZING BEADS HM-TIPPED SAW BLADES STEEL-TECH TYPE	143
HSS CIRCULAR SAW BLADES CIRCULAR SAW BLADES FOR KEY DUPLICATING CIRCULAR SAW BLADES FOR CUT-OFF MACHINES SEGMENTAL SAW BLADES SPARE SEGMENTS FRICTION SAW BLADES	147
POWER HACKSAW BLADES HAND HACKSAW BLADES BAND SAW BLADES	161



TECHNICAL INFORMATION

CIRCULAR SAW BLADES WITH HM TIPS

MINIMUM CLAMPING DISC DIAMETER AND MAXIMUM SPEED FOR SAWS WITH HM TIPS (DNPDE):

		diameter of clamping discs min. according to DIN 8083	saw speed n max
100	20	60	19.000
125			15.000
130/140			13.500
160	20/30	80	12.000
180	30/60		10.500
200			9.500
225		8.500	
250	85	120	7.500
280	30/60	120	7.000
	85	160	
300/315	30/60	120	6.000 / 6.500
	85	160	
350/355	30/60	120	5.000
	85	160	
400	30/60	120	4.500
	85	160	
425/450	30/60	140	4.200
	85	180	
500	30/60	140	3.600
	85	180	
560	30/60	140	3.400
	85	200	
600/630	40/60	160	2.800 / 3.000
	85	200	
700	2.600		
800	40		2.100

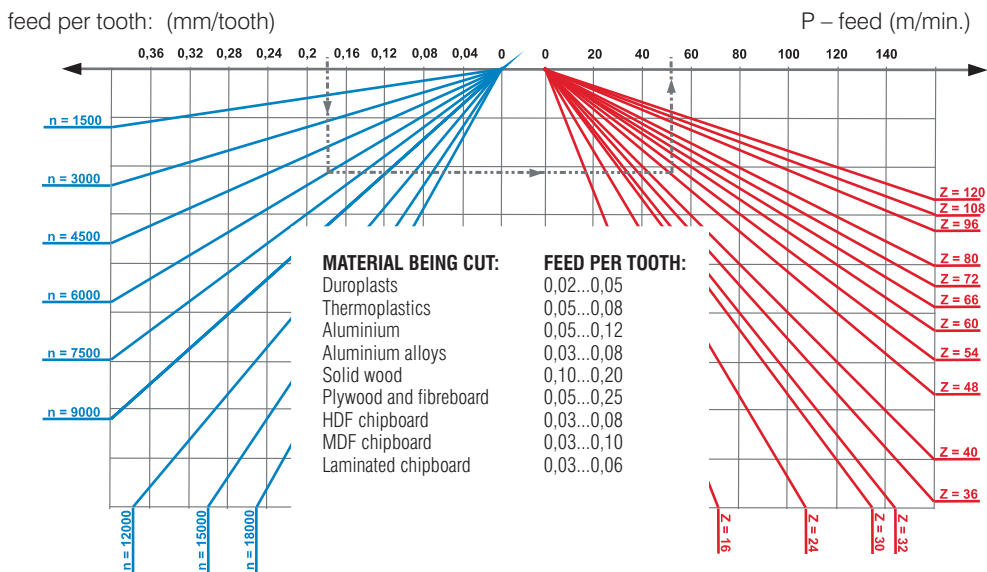
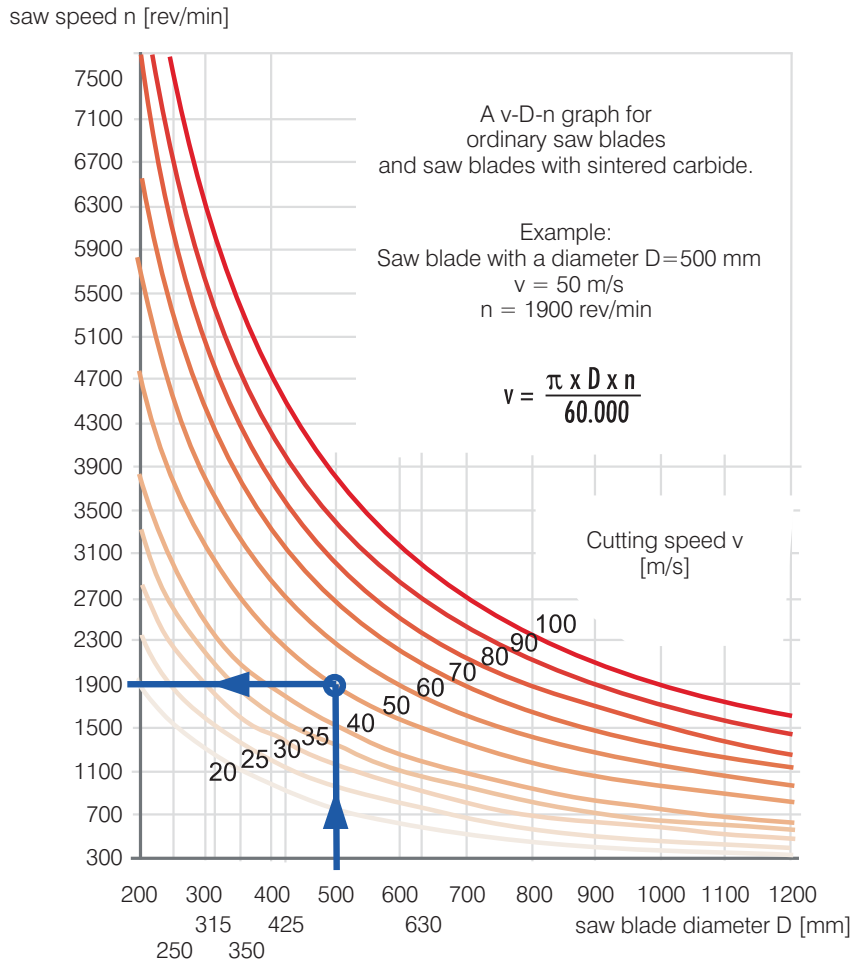
The table shows the permitted speed (maximum) for saws for cutting speed $V_s = 100$ m/s
The optimum cutting speed ensuring the high performance and long life of the saw is within the limits of 50-100 m/s, depending on the material being cut.

RECOMMENDED CUTTING SPEEDS DEPENDING ON THE TYPE OF MATERIAL CUT:

material	cutting speed [m/s]
softwood	60-100
wet softwood	70-100
hardwood	59-90
soft fibreboard	60-100
hardboard	50-80
chipboard	60-80
MDF board	60-80
plywood	50-80
Duroplast panel	15-50
thermoplastic board	40-80
thermoplastic sections	40-80
Al. alloys	20-40
Al. alloy sections	40-60
steel sections	20-25
drywall	50-70
mineral board, cellular concrete	2-10

TECHNICAL INFORMATION
CIRCULAR SAW BLADES WITH HM TIPS

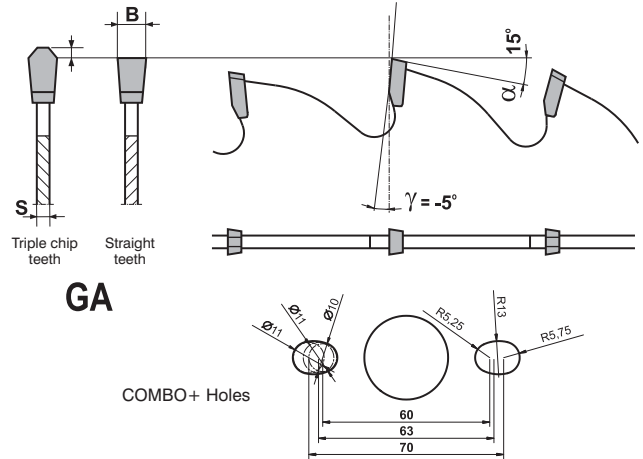
CUTTING SPEED AND PERFORMANCE CHART:



PS415

SAW BLADES ALUEX (GA -5°)

for Alu and PVC profiles cutting



EXECUTION & TECHNICAL INFORMATION:

- high precision of disc execution
- specially selected sintered carbide and **tooth form GA -5°** (trapezoid and flat) ensure long saw blade life and very high cutting quality
- vast possibilities of sintered carbide sharpening enable to solve problems with cutting and meet demand for high quality
- silenced saw blades

APPLICATION:

- saws designed for cutting of Alu (soft – extruded) sections with the wall thickness up to 3 mm and PVC profiles

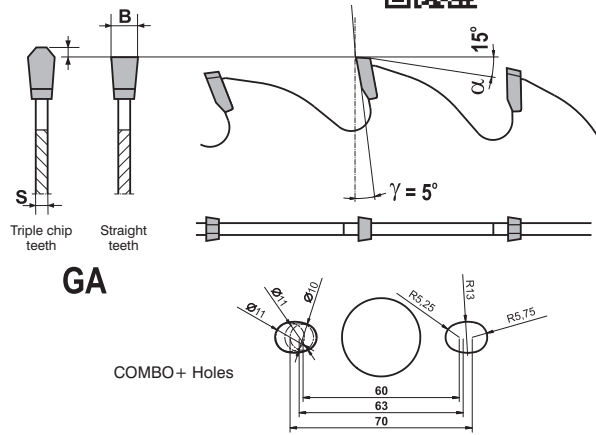
INDEX												
	mm	mm	mm	mm								
PS415-0160-0002	160	20	2,5	1,8	56							
PS415-0160-0004	160	30	2,5	1,8	56							
PS415-0180-0003	180	30	2,5	1,8	54							
PS415-0200-0008	200	30	2,2	1,6	100							
PS415-0200-0004	200	30	2,5	1,8	60							
PS415-0200-0001	200	30	3,0	2,5	60	Cu	2x10/60	1	5900855100120			
PS415-0200-0006	200	32	2,2	1,6	100			1	5900855100083			
PS415-0216-0001	216	30	2,8	2,2	72	Cu	2x10/60	1	5900855100137			
PS415-0250-0009	250	30	2,2	1,6	100			1	5900855100090			
PS415-0250-0002	250	30	3,2	2,5	80	Cu	2x10/60	1	5900855100144			
PS415-0250-0006	250	32	2,2	1,6	100			1	5900855100106			
PS415-0300-0002	300	30	3,2	2,5	96	Cu	2x10/60	1	5900855100151			
PS415-0315-0003	315	30	3,2	2,5	96	Cu	2x10/60	1	5900855100168			
PS415-0330-0002	330	30	3,4	2,8	96	Cu	2x10/60	1	5900855100175			
PS415-0350-0002	350	30	3,2	2,5	108	Cu	2x10/60	1	5900855100182			
PS415-0350-0005	350	30	3,6	3,0	108	Cu	2x10/60	1	5900855100205			
PS415-0350-0001	350	32	3,2	2,5	108	Cu		1	5900855100274			
PS415-0380-0001	380	32	4,0	3,4	108	Cu		1	5900855100281			
PS415-0400-0002	400	30	4,0	3,4	96	Cu	2x10/60	1	5900855100298			
PS415-0400-0006	400	30	4,0	3,4	108	Cu	2x10/60	1	5900855100304			
PS415-0400-0003	400	30	4,0	3,4	120	Cu	2x10/60	1	5900855100311			
PS415-0450-0001	450	30	4,0	3,4	108	Cu	2x10/60	1	5900855100328			
PS415-0500-0043	500	30	4,8	3,6	144	Cu	2x10/60 + 2x11/63 + 2x11/74	1	5900855114776			
PS415-0500-0001	500	30	4,0	3,4	160	Cu	2x10/60 + 2x11/63 + 2x11/70	1	5900855100335			
PS415-0500-0003	500	30	4,2	3,6	120	Cu	2x10/60 + 2x11/63 + 2x11/72	1	5900855100342			
PS415-0550-0110	550	30	4,4	3,2	160	Cu	2x10/60 + 2x11/63 + 2x11/85	1	5900855115797			
PS415-0600-0001	600	30	4,4	3,8	160	Cu	2x10/60	1	5900855100526			

Legend: d_s – driver hole dia d_p – hole pitch dia. Silenced – silencing type.

PS415

SAW BLADES ALUOX (GA +5°)

for Alu and PVC profiles cutting



EXECUTION & TECHNICAL INFORMATION:

- high precision of disc execution
- specially selected sintered carbide and **tooth form GA +5°** (trapezoid and flat) ensure long saw blade life and very high cutting quality
- vast possibilities of sintered carbide sharpening enable to solve problems with cutting and meet demand for high quality
- silenced saw blades

APPLICATION:

- **saws designed for cutting of Alu (soft – extruded) sections with the wall thickness up to 5 mm and PVC profiles**
- required appropriate clamping of the processed material during operation

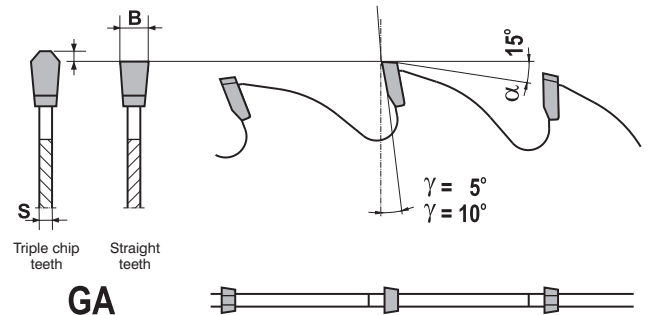
INDEX										
	mm	mm	mm	mm			ixd _o /d _p	pcs		
PS415-0160-0003	160	20	2,5	1,8	56		–	1	5900855100250	
PS415-0160-0001	160	30	2,5	1,8	56		–	1	5900855100236	
PS415-0180-0001	180	30	2,5	1,8	54		–	1	5900855100052	
PS415-0180-0002	180	30	3,0	2,5	54	Cu	–	1	5900855100359	
PS415-0200-0003	200	30	2,5	1,8	60		2x10/60	1	5900855100366	
PS415-0200-0002	200	30	3,0	2,5	60	Cu	2x10/60	1	5900855100373	
PS415-0250-0001	250	30	3,2	2,5	80	Cu	2x10/60	1	5900855100380	
PS415-0260-0001	260	30	2,5	2,0	100	Cu	–	1	5900855100397	
PS415-0300-0001	300	30	3,2	2,5	96	Cu	2x10/60	1	5900855100403	
PS415-0315-0002	315	30	3,2	2,5	96	Cu	2x10/60	1	5900855100410	
PS415-0330-0001	330	30	3,2	2,5	96	Cu	2x10/60	1	5900855100427	
PS415-0350-0009	350	30	3,2	2,5	78	Cu	2x10/60	1	5900855100434	
PS415-0350-0003	350	30	3,2	2,5	108	Cu	2x10/60	1	5900855100441	
PS415-0350-0004	350	30	3,6	3,0	108	Cu	2x10/60	1	5900855100458	
PS415-0400-0007	400	30	4,0	3,4	96	Cu	2x10/60	1	5900855131056	
PS415-0400-0001	400	30	4,0	3,4	108	Cu	2x10/60	1	5900855100465	
PS415-0400-0004	400	30	4,0	3,4	120	Cu	2x10/60	1	5900855100472	
PS415-0450-0002	450	30	3,7	3,0	120	Cu	2x10/60	1	5900855100489	
PS415-0500-0016	500	30	5,0	3,9	72	Cu	2x8/42	1	5900855100502	
PS415-0500-0100	500	30	4,2	3,6	120	Cu	2x10/60 + 2x11/63 + 2x11/72	1	5900855100539	
PS415-0500-0127	500	30	4,8	3,6	144	Cu	2x10/60 + 2x11/63 + 2x11/79	1	5900855125314	
PS415-0500-0002	500	30	4,0	3,4	160	Cu	2x10/60 + 2x11/63 + 2x11/71	1	5900855100496	
PS415-0550-0002	550	30	4,4	3,2	160	Cu	2x10/60 + 2x11/63 + 2x11/85	1	5900855100519	

Legend: d_o – driver hole dia. d_p – hole pitch dia. Silenced – silencing type. **INFO:** Saw blade PS415-0350-0009 – teeth geometry GA10.

PS460

SAW BLADES SUPER ALUOX

for cutting Alu profiles made of alloys difficult to machine



EXECUTION & TECHNICAL INFORMATION:

- very high precision of disc execution and specially selected sintered carbide guarantee long life time of the saw blade and very precise cutting quality
- number of teeth depends on thickness of the cut material
- production of saw blades with flange possible
- low noise saw blades

APPLICATION:

- saw blades designed for cutting Alu profiles made of alloys difficult to machine, containing Mg, Zn, Mn or Si, with i.e. typical high hardness (alloys have often form of bars or full plates)
- toothing: GA+5° – cutting profiles
- toothing GA+10° – cutting full materials

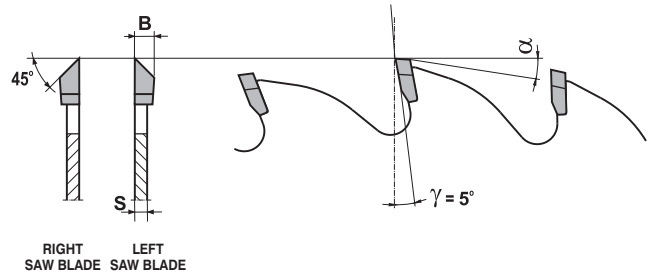
INDEX									
	mm	mm	mm	mm			ixd _o /d _p	pcs	
–	–	–	–	–	–	–	–	–	–

Attention: Saw blades made to custom order after collection of basic tool datas or according to the drawing, event. on the basis of cut material. Execution with flange made to customer order possible – application of flanged saw blades: for cutting hard Al alloys in form of profiles with walls of big thickness fluctuation (e.g. radiators) – toothing 1 GC.

PS900

SAW BLADES

for chamfering glazing beads



EXECUTION & TECHNICAL INFORMATION:

- saws with 5° rake angle and special teeth configuration
- vast possibilities of sintered carbide sharpening enable solving problems with cutting and meet demand for high quality

APPLICATION:

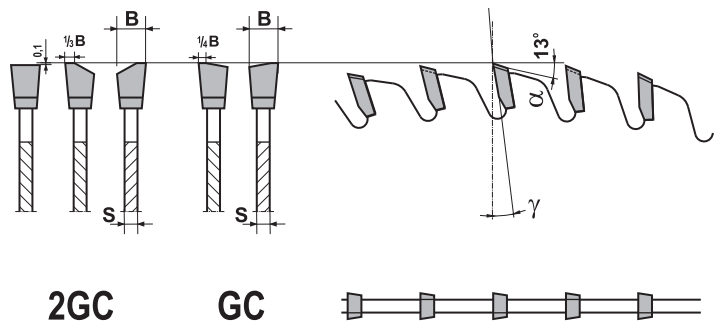
- saws designed for chamfering Alu and PVC glazing beads, used in production of windows and doors
- **saws coupled with main saws: PS415-0200-0008, PS415-0200-0006, PS415-0230-0001, PS415-0230-0002, PS415-0250-0009, PS415-0250-0006, PS415-0260-0001**

INDEX						tip angle		
	mm	mm	mm	mm			pcs	
PS900-0103-0003	103	32	2,2	1,6	36	right saw blade	1	5900855044257
PS900-0103-0004	103	32	2,2	1,6	36	left saw blade	1	5900855044264

PS810

SAW BLADES STEEL-TECH

for steel profiles cutting



EXECUTION & TECHNICAL INFORMATION:

- special sintered carbide for steel cutting
- special teeth geometry enables long saw blade life and high precision of cutting
- laser cut disc from high quality, thermally improved steel providing high tool rigidity

APPLICATION:

- **cutting cold drawn, constructional steel sections with wall thickness < 3 mm,** within 160-500 mm saw diameter range
- cutting sandwich boards (PU foam or foamed polystyrene filled) within 250-400 mm saw diameter range
- used on machines: Jepson, Makita, Ridgid, DeWALT

INDEX						geometry			
	mm	mm	mm	mm			°	pcs	
PS810-0250-0004	250	30	3,2	2,5	80	GC	5	1	5900855034555
PS810-0260-0001	260	30	2,5	2,0	100	GC	5	1	5900855034586
PS810-0305-0005	305	25,4	2,4	1,8	80	GC	10	1	5900855034647
PS810-0355-0007	355	25,4	2,2	1,8	90	2GC	10	1	5900855062220

TECHNICAL INFORMATION
HSS CIRCULAR SAW BLADES

TYPES OF TEETH IN HSS CIRCULAR SAW BLADES

NAME	DRAWING	MARKING	ANGLE γ FOR THE TYPE OF TOOL		
			N $\pm 2^\circ$	H $\pm 2^\circ$	D $\pm 2^\circ$
V-shaped tooth		A	5°	0°	10°
V-shaped tooth with alternate phases		Aw	5°	0°	10°
Curved tooth		B	15°	8°	25°
Curved tooth with alternate phases		Bw	15° 18°*	8°	25°
Curved tooth with a roughing and a finishing tooth		C	18°	8°	25°
Curved tooth with a shavings separator		Bf	18°	8°	25°

Key: basic version * – cut off saw blades

EXAMPLES OF USE OF APPROPRIATE HSS CIRCULAR SAW BLADES DEPENDING ON MACHINED MATERIAL:

material	type of tool	material	type of tool
mild steel	Rm to 500 MPa N, (W)	brittle copper alloys	N, (H)
medium-hard steel	Rm to 800 MPa N	zinc alloys	W, (N)
hard malleable steel	Rm to 1000 MPa N, (H)	soft aluminium alloys	W
hard malleable steel	Rm to 1300 MPa H	medium-hard aluminium alloys	N, (W)
cast steel	N, (H)	thermally improved aluminium alloys, low cutting speed	N
cast iron	HB to 180 kg/mm ² N	thermally improved aluminium alloys, high cutting speed	W
cast iron	HB above 180 kg/mm ² N, (H)	magnesium alloys	N, (W)
malleable cast	N	non-layered plastic	N, (W)
copper, soft copper alloys	W, (N)	layered plastic	W

Key:
N – type of tool in general for structural steel, soft cast iron, medium-hard non-ferrous metals
H – type of tool for extremely hard and high strength materials
W – type of tool for very soft and malleable materials

Comments:
Tool type not specified in brackets is particularly recommended.
Tools – HSS circular saw blades with teeth given in brackets can be used to process specified materials only in special cases.

SPEED (IN REV/MIN)

material	steel N/mm ²												
	stainless steel	steel areas 1000 N/mm ²	cast iron	700 ± 800	550 ± 650	450 ± 500	ebonite	pipes welded	pipes seamless	copper	brass	Alu and light metals	
	γ	8°-10°	12°-15°	15°-20°	18°-20°	20°-22°	23°-26°	0°	18°-20°	20°-22°	20°-30°	2°-5°	25°-35°
	α	6°-8°	6°-8°	6°-8°	6°-8°	6°-8°	8°-10°	12°	6°-8°	6°-8°	8°-10°	5°-7°	10°-12°
20	318	637	637	796	796	955	955	955	1114	2387	3183	6366	
25	255	509	509	637	637	764	764	764	891	1910	2546	5096	
32	199	398	398	497	497	597	597	597	696	1492	1989	3979	
40	159	318	318	398	398	477	477	477	557	1194	1592	3183	
50	127	255	255	318	318	382	382	382	446	955	1273	2546	
63	101	202	202	253	253	303	303	303	354	758	1011	2021	
80	80	159	159	199	199	239	239	239	279	597	796	1592	
100	64	127	127	159	159	191	191	191	223	477	637	1273	
125	51	102	102	127	127	153	153	153	178	382	509	1019	
160	40	80	80	99	99	119	119	119	139	298	398	796	
200	32	64	64	80	80	95	95	95	111	239	318	637	
250	25	51	51	64	64	76	76	76	89	191	255	509	
315	20	40	40	51	51	61	61	61	71	152	202	404	

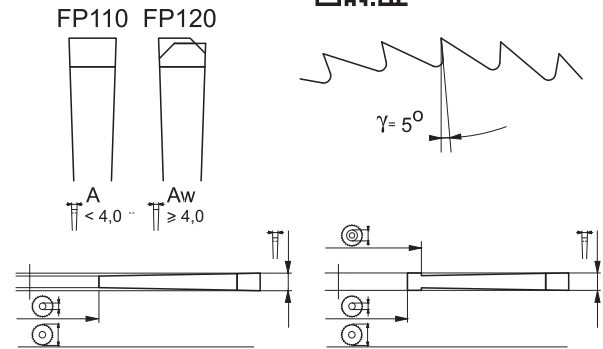
Recommendations for achieving a high cut efficiency using general purpose HSS circular saw blades:

1. Correct grinding which guarantees an appropriate tool rake γ and clearance angle α .
2. Selecting an appropriate pitch of teeth for the cross-section and type of processed material.
3. Proper selection of cutting speed and feed rates.
4. Use of appropriate coolants and grease.
5. Preventing build-up on blades edges.

FP110
FP120

HSS CIRCULAR SAW BLADES – A AND Aw 5°

for metal cutting



EXECUTION & TECHNICAL INFORMATION:

- relatively big difference between saw blade diameter and thickness requires careful exploitation
- HSS circular saw blades made from high quality steel HSS-SW7M acc.to following standards: DIN 1836, DIN 1837, DIN 1838, DIN 1840, AS and BS
- most modern methods are incorporated in the production process beginning with heat treatment, teeth and side grinding through heat-chemical treatment
- all standard HSS circular saw blades are hollow ground determined in given diameters

ATTENTION:

If saw blades work in sets we require information how many blades are coupled on the spindle.
Such saw blades will be produced to custom order with equal diameter.

APPLICATION:

- A toothing is used for cutting hard materials and standard structural steel, grey cast iron, and semi-hard non-ferrous metals
- triangular toothing is used in case of easily machined materials at more or less stable load and smooth working conditions
- A toothing is used for shallow cutting materials with thin walls
- A and Aw triangular toothing is used for shallow grooving
- the rake angle depends on material machined

INDEX					geometry			
	mm	mm	mm			mm	pcs	
FP110-0020-0001	20	5	0,50	48	A	–	5	5900855008112
FP110-0020-0009	20	5	0,60	48	A	–	5	5900855056571
FP110-0020-0003	20	5	0,80	48	A	–	5	5900855008136
FP110-0025-0025	25	8	0,50	48	A	–	5	5900855102131
FP110-0025-0010	25	8	0,50	64	A	–	5	5900855055727
FP110-0025-0023	25	8	0,60	48	A	–	5	5900855093330
FP110-0025-0011	25	8	0,80	48	A	–	5	5900855056182
FP110-0025-0024	25	8	0,80	64	A	–	5	5900855093583
FP110-0025-0008	25	8	1,00	48	A	–	5	5900855045735
FP110-0032-0015	32	8	0,25	100	A	–	5	5900855049511
FP110-0032-0011	32	8	0,50	64	A	–	5	5900855043984
FP110-0032-0019	32	8	0,60	64	A	–	5	5900855093781
FP110-0032-0009	32	8	0,80	64	A	–	5	5900855008310
FP110-0040-0002	40	10	0,30	100	A	–	5	5900855008358
FP110-0040-0015	40	10	0,40	100	A	–	5	5900855044745
FP110-0040-0012	40	10	1,00	64	A	–	5	5900855008457
FP110-0050-0014	50	13	0,25	128	A	–	5	5900855093798
FP110-0050-0008	50	13	0,30	128	A	–	5	5900855008549
FP110-0050-0010	50	13	0,40	100	A	–	5	5900855008563
FP110-0050-0005	50	13	0,50	100	A	–	5	5900855008518
FP110-0050-0007	50	13	0,60	100	A	–	5	5900855008532
FP110-0050-0002	50	13	0,80	80	A	–	5	5900855008488
FP110-0050-0001	50	13	1,00	80	A	–	5	5900855008471
FP110-0050-0006	50	13	2,00	64	A	–	2	5900855008525
FP110-0063-0015	63	16	0,25	160	A	–	2	5900855008716
FP110-0063-0023	63	16	0,30	128	A	–	2	5900855008792
FP110-0063-0031	63	16	0,30	200	A	–	2	5900855093347
FP110-0063-0003	63	16	0,50	128	A	–	2	5900855008594
FP110-0063-0004	63	16	0,60	100	A	–	2	5900855008600
FP110-0063-0005	63	16	0,80	100	A	–	2	5900855008617
FP110-0063-0036	63	16	1,00	80	A	–	2	5900855098960
FP110-0063-0006	63	16	1,00	100	A	–	2	5900855008624
FP110-0063-0007	63	16	1,20	80	A	–	2	5900855008631
FP110-0063-0032	63	16	1,20	100	A	–	2	5900855093354
FP110-0063-0035	63	16	1,60	64	A	–	2	5900855096881
FP110-0063-0008	63	16	1,60	80	A	–	2	5900855008648
FP110-0063-0033	63	16	1,60	100	A	–	2	5900855093590
FP110-0063-0009	63	16	2,00	80	A	–	2	5900855008655
FP110-0063-0034	63	16	2,00	100	A	–	2	5900855093606
FP110-0063-0011	63	16	3,00	64	A	–	2	5900855008679
FP110-0080-0020	80	22	0,50	128	A	–	2	5900855008990
FP110-0080-0017	80	22	0,60	128	A	–	2	5900855008969
FP110-0080-0037	80	22	0,80	100	A	36	2	5900855093613
FP110-0080-0022	80	22	0,80	128	A	36	2	5900855053532
FP110-0080-0008	80	22	1,00	100	A	36	2	5900855008877
FP110-0080-0038	80	22	1,00	128	A	36	2	5900855093620
...

→ cont. page 148

FP110
FP120

HSS CIRCULAR SAW BLADES – A AND Aw 5°

for metal cutting

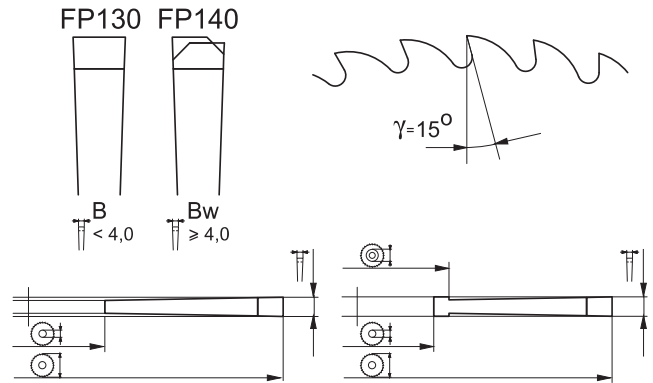
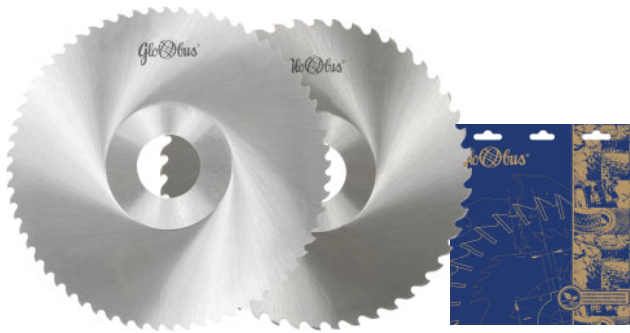


INDEX					geometry			
	mm	mm	mm			mm	pcs	
FP110-0080-0009	80	22	1,20	100	A	36	2	5900855008884
FP110-0080-0039	80	22	1,20	128	A	36	2	5900855093637
FP110-0080-0036	80	22	1,60	80	A	36	2	5900855093361
FP110-0080-0010	80	22	1,60	100	A	36	2	5900855008891
FP110-0080-0040	80	22	1,60	128	A	36	2	5900855093644
FP110-0080-0011	80	22	2,00	80	A	36	2	5900855008907
FP110-0080-0018	80	22	2,50	80	A	36	2	5900855008976
FP110-0080-0012	80	22	3,00	80	A	36	2	5900855008914
FP110-0100-0019	100	22	0,50	300	A	–	2	5900855009188
FP110-0100-0003	100	22	0,60	160	A	–	2	5900855009027
FP110-0100-0015	100	22	0,80	128	A	40	2	5900855009140
FP110-0100-0041	100	22	1,00	100	A	40	2	5900855093651
FP110-0100-0014	100	22	1,00	128	A	40	2	5900855009133
FP110-0100-0044	100	22	1,20	100	A	40	2	5900855099868
FP110-0100-0004	100	22	1,20	128	A	40	2	5900855090334
FP110-0100-0005	100	22	1,60	100	A	40	2	5900855090941
FP110-0100-0042	100	22	1,60	128	A	40	2	5900855093668
FP110-0100-0046	100	22	2,00	80	A	40	1	5900855101127
FP110-0100-0006	100	22	2,00	100	A	40	1	5900855009058
FP110-0100-0027	100	22	2,50	100	A	40	1	5900855052542
FP110-0100-0007	100	22	3,00	80	A	40	1	5900855090965
FP110-0125-0020	125	22	0,60	160	A	–	2	5900855052320
FP110-0125-0040	125	22	0,80	128	A	40	2	5900855098847
FP110-0125-0001	125	22	0,80	160	A	40	2	5900855090201
FP110-0125-0036	125	22	1,00	128	A	40	2	5900855093675
FP110-0125-0037	125	22	1,00	160	A	40	2	5900855093682
FP110-0125-0038	125	22	1,20	128	A	40	2	5900855093699
FP110-0125-0035	125	22	1,60	128	A	40	2	5900855093378
FP110-0125-0010	125	22	2,00	128	A	40	1	5900855009294
FP110-0125-0017	125	22	2,50	100	A	40	1	5900855048859
FP110-0125-0039	125	22	3,00	100	A	40	1	5900855093705
FP110-0160-0002	160	32	1,00	160	A	63	1	5900855009331
FP110-0160-0005	160	32	1,20	160	A	63	1	5900855009362
FP110-0160-0017	160	32	1,60	128	A	63	1	5900855093712
FP110-0160-0011	160	32	1,60	160	A	63	1	5900855050357
FP110-0160-0009	160	32	2,00	128	A	63	1	5900855044813
FP110-0160-0010	160	32	2,50	128	A	63	1	5900855044820
FP110-0160-0007	160	32	3,00	128	A	63	1	590085509386
FP110-0200-0001	200	32	1,00	200	A	63	1	5900855009409
FP110-0200-0015	200	32	1,20	160	A	63	1	5900855093729
FP110-0200-0003	200	32	1,60	160	A	63	1	5900855009423
FP110-0200-0004	200	32	2,00	160	A	63	1	5900855009430
FP110-0200-0006	200	32	2,50	160	A	63	1	5900855009454
FP110-0200-0007	200	32	3,00	128	A	63	1	5900855009461
FP110-0250-0009	250	32	1,60	160	A	63	1	5900855093736
FP110-0250-0001	250	32	2,00	200	A	63	1	5900855009478
FP110-0250-0008	250	32	2,50	160	A	63	1	5900855093804
FP110-0250-0002	250	32	3,00	160	A	63	1	5900855009485
FP110-0315-0002	315	40	2,50	200	A	80	1	5900855093811
FP120-0063-0003	63	16	4,00	64	Aw	–	1	5900855093828
FP120-0080-0003	80	22	4,00	64	Aw	36	1	5900855093835
FP120-0080-0004	80	22	5,00	64	Aw	36	1	5900855093842
FP120-0080-0005	80	22	6,00	64	Aw	36	1	5900855096942
FP120-0100-0001	100	22	4,00	80	Aw	40	1	5900855093859
FP120-0100-0004	100	22	4,00	100	Aw	40	1	5900855093385
FP120-0100-0002	100	22	5,00	80	Aw	40	1	5900855093866
FP120-0125-0001	125	22	4,00	100	Aw	40	1	5900855093880
FP120-0125-0002	125	22	5,00	80	Aw	40	1	5900855093897
FP120-0125-0003	125	22	6,00	80	Aw	40	1	5900855093903
FP120-0160-0001	160	32	4,00	100	Aw	63	1	5900855093910
FP120-0160-0002	160	32	5,00	100	Aw	63	1	5900855093927
FP120-0160-0003	160	32	6,00	100	Aw	63	1	5900855093934
FP120-0200-0001	200	32	4,00	128	Aw	63	1	5900855093941
FP120-0200-0002	200	32	5,00	128	Aw	63	1	5900855097659
FP120-0200-0004	200	32	6,00	100	Aw	63	1	5900855104654
FP120-0250-0001	250	32	4,00	160	Aw	63	1	5900855093958
FP120-0250-0002	250	32	5,00	128	Aw	63	1	5900855097673
FP120-0250-0003	250	32	6,00	128	Aw	63	1	5900855097680

FP130
FP140

HSS CIRCULAR SAW BLADES – B AND Bw 15°

for metal cutting



EXECUTION & TECHNICAL INFORMATION:

- relatively big difference between saw blade diameter and thickness requires careful exploitation
- HSS circular saw blades made from high quality steel HSS-SW7M acc.to following standards: DIN 1836, DIN 1837, DIN 1838, DIN 1840, AS and BS
- most modern methods are incorporated in the production process beginning with heat treatment, teeth and side grinding through heat-chemical treatment
- all standard HSS circular saw blades are hollow ground determined in given diameters

ATTENTION:

If saw blades work in sets we require information how many blades are coupled on the spindle.
Such saw blades will be produced to custom order with equal diameter.

APPLICATION:

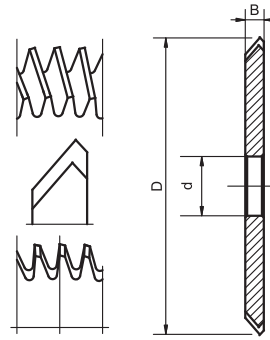
- B curved toothing is used for materials more difficult to machine in case of variety of machining performance and load
- B toothing is used for soft and ductile materials
- B curved toothing is used for deeper cutting, for cutting full materials and materials with thick walls
- B and Bw curved toothing is used for deeper grooving
- the rake angle depends on material machined

INDEX					geometry			
	mm	mm	mm			mm	pcs	
FP130-0063-0003	63	16	0,80	48	B	–	2	5900855009614
FP130-0063-0016	63	16	1,00	24	B	–	2	5900855093392
FP130-0063-0004	63	16	1,00	48	B	–	2	5900855009621
FP130-0063-0017	63	16	1,20	48	B	–	2	5900855093408
FP130-0080-0008	80	22	1,00	48	B	36	2	5900855009782
FP130-0080-0025	80	22	1,00	64	B	36	2	5900855093415
FP130-0080-0026	80	22	1,20	48	B	36	2	5900855093422
FP130-0080-0027	80	22	1,20	64	B	36	2	5900855093439
FP130-0080-0028	80	22	1,60	48	B	36	2	5900855093446
FP130-0100-0002	100	22	1,00	64	B	40	2	5900855009843
FP130-0100-0013	100	22	1,20	64	B	40	2	5900855053556
FP130-0100-0003	100	22	1,60	48	B	40	2	5900855009850
FP130-0100-0024	100	22	1,60	64	B	40	2	5900855099875
FP130-0100-0023	100	22	2,00	48	B	40	1	5900855093453
FP130-0100-0008	100	22	2,00	64	B	40	1	5900855009904
FP130-0100-0018	100	22	2,50	48	B	40	1	5900855097956
FP130-0100-0014	100	22	3,00	40	B	40	1	5900855053563
FP130-0125-0026	125	22	1,00	64	B	40	2	5900855100984
FP130-0125-0002	125	22	1,00	80	B	40	2	5900855009935
FP130-0125-0003	125	22	1,20	64	B	40	2	5900855009942
FP130-0125-0030	125	22	1,60	64	B	50	2	5900855093460
FP130-0125-0025	125	22	2,00	64	B	40	1	5900855093477
FP130-0125-0004	125	22	3,00	48	B	40	1	5900855009959
FP130-0160-0018	160	32	1,60	80	B	63	1	5900855093965
FP130-0160-0003	160	32	2,00	64	B	63	1	5900855010030
FP130-0160-0004	160	32	2,50	64	B	63	1	5900855010047
FP130-0160-0007	160	32	3,00	64	B	63	1	5900855010078
FP130-0200-0002	200	32	2,00	80	B	63	1	5900855010108
FP130-0200-0003	200	32	3,00	64	B	63	1	5900855010115
FP140-0100-0001	100	22	4,00	40	Bw	40	1	5900855096898
FP140-0100-0002	100	22	5,00	40	Bw	40	1	5900855098144
FP140-0125-0002	125	22	4,00	48	Bw	40	1	5900855093972
FP140-0125-0003	125	22	5,00	40	Bw	40	1	5900855098175
FP140-0125-0001	125	22	6,00	40	Bw	40	1	5900855098168
FP140-0160-0003	160	32	4,00	48	Bw	63	1	5900855093989
FP140-0160-0002	160	32	6,00	48	Bw	63	1	5900855098182
FP140-0200-0001	200	32	4,00	64	Bw	63	1	5900855094009
FP140-0250-0001	250	32	4,00	80	Bw	63	1	5900855098212
FP140-0250-0002	250	32	5,00	64	Bw	63	1	5900855098229

FP615

HSSE CIRCULAR SAW BLADES

for key duplicating



EXECUTION & TECHNICAL INFORMATION:

- use of high speed steel M35 with 5% cobalt ensures long saw blade life, precise execution guarantees high milling quality

APPLICATION:

- saw blades used on most machines copying of YALE type keys

INDEX							
	mm	mm	mm			pcs	
FP615-0080-0001	80	16	5	110	1	5900855120586	

FP600

HSS CIRCULAR SAW BLADES

for cutting steel spacer bars



EXECUTION & TECHNICAL INFORMATION:

- all standard saw blades for cut-off machines are made from steel HSS-SW7M
- to increase the saw blades life, decrease the friction factor, cut materials difficult to machine and increase the machining parameters, we offer passivation or: TiN, TiCN, TiAlN coating

APPLICATION:

- saw blades used for cutting off windows spacer bars made from such materials as: steel, aluminium or PVC

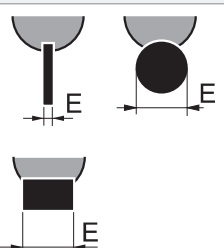
INDEX						HSS saw blades coating		
	mm	mm	mm	$i_l \times d_o/d_p$			pcs	
FP600-0200-0001	200	32	0,50/1,00	1x7,1/55	350	TiCN	1	5900855129114

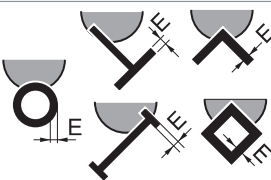
Legend: d_o – driver hole dia d_p – hole pitch dia – to order

TECHNICAL INFORMATION
CUT OFF SAW BLADES



Pitch of teeth, approximate cutting speeds for cut off saw blades and approximate rate of feed values are presented in the charts below.

TOOTH PITCH:

full material	E	nominal pitch							
		3	4	5	6	8	10	12	14
	4	●							
	6	●	○						
	8	●	○	○					
	10		●	○	○				
	15		●	○	○	○			
	20			●	○	○	○		
	30				○	●	○	○	
	40					○	●	○	○
	60						○	●	○
	80							○	●
100								○	●

profile	E	nominal pitch				
		3	4	5	6	8
	1	●				
	1,5	●				
	2		●			
	3		○	●	○	
	4			○	●	○
	5				●	
	6					○
	8					●

CUTTING PARAMETERS:

type of material being cut			feed rate (mm/min)
stainless steel	10°	6°	30 ÷ 150
steel 1000 N/mm ²	10°	6°	35 ÷ 160
steel 750 N/mm ²	15°	6°	60 ÷ 350
steel 500 N/mm ²	18°	8°	60 ÷ 350
cast iron	10°	6°	75 ÷ 350
copper, bronze	20°	8°	500 ÷ 2000
brass	8°	6°	700 ÷ 4000
aluminium and light alloys	25°	10°	2800 ÷ 8500

SPINDLE SPEED:

type of material being cut	cut off saw blades diameter								
	ø200	ø225	ø250	ø275	ø300	ø315	ø350	ø370	ø400
stainless steel	15 ÷ 35	15 ÷ 30	15 ÷ 25	10 ÷ 25	10 ÷ 20	10 ÷ 20	10 ÷ 20	10 ÷ 20	5 ÷ 15
steel 1000 N/mm ²	25 ÷ 40	20 ÷ 35	20 ÷ 30	15 ÷ 30	15 ÷ 25	15 ÷ 25	15 ÷ 25	15 ÷ 25	10 ÷ 20
steel 750 N/mm ²	30 ÷ 65	30 ÷ 60	25 ÷ 50	25 ÷ 45	20 ÷ 45	20 ÷ 40	20 ÷ 35	20 ÷ 35	15 ÷ 30
steel 500 N/mm ²	45 ÷ 80	45 ÷ 70	40 ÷ 65	35 ÷ 60	30 ÷ 55	30 ÷ 50	25 ÷ 45	25 ÷ 45	20 ÷ 40
cast iron	45 ÷ 80	45 ÷ 70	40 ÷ 65	35 ÷ 60	30 ÷ 55	30 ÷ 50	25 ÷ 45	25 ÷ 45	20 ÷ 40
copper, bronze	320 ÷ 480	300 ÷ 430	250 ÷ 380	230 ÷ 350	210 ÷ 320	200 ÷ 300	180 ÷ 270	170 ÷ 260	160 ÷ 240
brass	680 ÷ 950	550 ÷ 850	500 ÷ 770	450 ÷ 700	430 ÷ 640	400 ÷ 600	350 ÷ 550	350 ÷ 520	300 ÷ 480
aluminium and light alloys	950 ÷ 1500	850 ÷ 1250	750 ÷ 1100	700 ÷ 1050	650 ÷ 950	600 ÷ 900	550 ÷ 820	520 ÷ 770	470 ÷ 720

TECHNICAL INFORMATION
CUT OFF SAW BLADES
TYPE OF MACHINE AND CUT OFF SAW BLADES SPECIFICATIONS:

type of machine	outer diameters (mm)	hole diameters (mm)	type and diameters of driving holes (mm)
ADIGE SALA	200 – 250	32	4/9/50
	275 – 315	32	2/11/63
	350	40	4/12/64
	400 – 425	50	4/15/80
BAIER	175 – 250	32	–
BEWO	200 – 300	32	2/8/45 + 2/11/63
	315 – 350	40	2/8/55 + 4/12/63
BIMAX	100 – 300	32	2/8/45
BONAK	250 – 350	40	2/8/55 + 4/12/64
BROBO WALDON	250	32	2/8/45 + 2/11/63
	300	38	2/9/55
	300 – 400	40	2/8/55 + 4/12/64
	500	40	2/8/55 + 4/12/64 + 2/12/80
CONNI	400 – 425	40	4/11/63
DALLY	400 – 425	50	4/15/80
	250 – 500	40	2/8/55 + 4/12/64 + 2/12/80
DEMURGER	160 – 300	25,4	–
	200 – 250	32	2/8/45 + 2/11/63
DONG JIN	225 – 350	40	2/8/55 + 4/12/64
	300 – 370	40	2/8/55 + 4/12/64
DORINGER	315 – 350	40	2/12/64
EISELE	210 – 225	40	2/8/55
	250 – 350	40	2/8/55 + 4/12/64
	370 – 450	40	2/12/64 + 2/15/80
	500	40	2/12/80 + 2/15/100
EUBAMA	130 – 160	32	1/9/50 + 1/9/60
EXACTCUT	250	32	4/9/50
FABRIS	225 – 350	32	2/8/45 + 2/11/63
FEMI	225 – 350	32	2/8/45 + 2/11/63
FONG-HO	250 – 275	32	2/8/45 + 2/9/50 + 2/11/63
	300 – 400	32	4/11/63
	360	40	2/11/63 + 3/11/65
GERNETTI	250 – 350	40	4/11/63
	350	50	4/15/80
	500	50	4/18/100
HAEBERLE	225	32	2/8/45
	225 – 275	40	2/8/55
	300 – 450	40	2/8/55 + 4/12/64
IBP PEDRAZZOLI	200 – 350	32	2/8/45 + 2/11/63
	425	50	4/15/80
IMET	250 – 370	32	2/8/45 + 2/11/63
	315 – 350	40	2/8/55 + 4/12/64
KALTENBACH	225 – 250	32	–
	350 – 370	50	4/15/80
KASTO	250 – 315	32	4/9/50
	350 – 425	50	4/15/80
KENTAI	250 – 315	32	2/8/45 + 2/11/63
KOSOKU	250	32	2/9/50 + 2/8/45
	275 – 380	45	4/11/66
MAC	300	32	2/9/50
	370 – 450	40	4/11/63
MACC	225 – 350	32	2/8/45 + 2/11/63
	350 – 450	40	2/8/55 + 4/12/64
MACO	350 – 425	50	4/15/80
MAIR	300 – 350	32	2/8/45 + 2/11/63
	300 – 350	40	2/8/55 + 4/12/64
MEP	225 – 350	32	2/8/45 + 2/11/63
METORA	250 – 350	32	2/11/80
MBM MERCURY	300 – 350	32	–
MTM	300	32	2/8/45
	400	40	4/12/64
	400	50	4/15/80
	450 – 550	90	3/13/160
	550	80	3/13/160

TECHNICAL INFORMATION

CUT OFF SAW BLADES

TYPE OF MACHINE AND CUT OFF SAW BLADES SPECIFICATIONS:

type of machine	outer diameters (mm)	hole diameters (mm)	type and diameters of driving holes (mm)
OMES	250 – 300	32	2/8/45 + 2/11/63
OMP	250 – 370	32	2/8/45 + 2/11/63
	400 – 525	50	4/15/80
OTO MILLS	500	50	4/15/80
	550	140	4/20/170
PFIFFNER / HYDROMAT	160 – 250	32	1/9/50 + 1/9/60
	160 – 250	40	2/8/55
RATTUNDE	400	50	4/15/80
RAYGOR	225 – 350	32	2/8/45 + 2/11/63
	300	38	2/9/55
	250 – 370	40	2/8/55 + 4/12/64
RGA	225 – 275	25,4	–
	250 – 370	40	2/8/55 + 4/12/64
ROBEJO	250 – 350	32	2/8/45 + 2/11/63
ROHBI	175 – 300	32	2/8/45 + 2/11/63
RSA	315	40	4/13/63
RURACK OTTO	225	32	2/8/45 + 2/11/63
	250 – 315	32	2/8/45 + 4/9/50 + 2/12/84
	370	40	4/12/64 + 2/15/80
	300 – 350	40	2/8/55 + 4/12/64
SCOTCHMAN INDUSTRIES	250 – 300	32	2/8/45 + 2/11/63
	275 – 400	40	2/8/55 + 4/12/64
SIMEC	200 – 350	32	2/8/45 + 4/11/63
SINICO	350	32	2/8/45 + 2/11/63
SOCO	250 – 350	32	2/11/63
STARTRITE	250 – 315	32	2/9/56 + 2/12/64 + 2/11/80
STAYER	225 – 350	32	–
THOMAS	225 – 350	32	2/8/45 + 2/11/63
	315 – 350	32	2/11/63 + 2/12/75
TOMET	200 – 350	32	2/8/45 + 2/11/63
TRENJAEGER	250	32	2/9/50
	250 – 315	40	4/11/63
	315 – 450	50	4/14/85
TSUNE	250 – 275	32	2/8/45 + 2/11/63
	420	50	4/15/80
ULMIA	160 – 300	32	–
	250 – 400	40	4/11/63
VAI SEUTHE	560	80	4/23/120
VIEMME	250 – 350	32	2/8/45 + 2/11/63
VOUCHER	275	35	2/13,5/57,2
WAGNER	200 – 315	32	4/9/50
	350	50	4/14/80
WAHLEN	250 – 400	40	2/8/55 + 2/11/63
WEIDMANN	210 – 275	32	2/8/45 + 2/11/63
WINTER	250 – 315	40	2/8/55 + 4/12/64
WUNSCH	210 – 250	32	2/8/45
	210 – 400	40	2/8/55 + 4/12/64

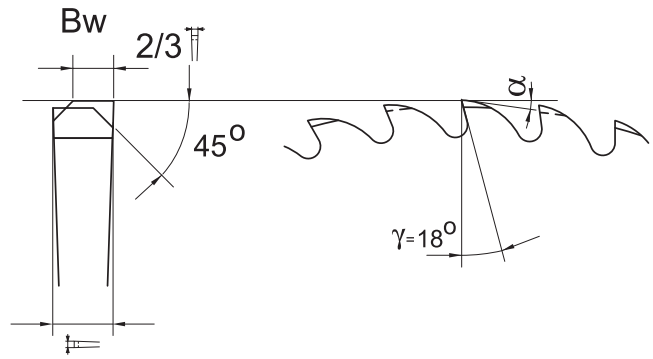
FP220

HSS CIRCULAR SAW BLADES – Bw 18°

for cut-off machines



HSS



EXECUTION & TECHNICAL INFORMATION:

- all standard saw blades for cut-off machines are made from steel HSS-SW7M
- their characteristic features are driving holes of diameters, number and pitch depending on the cut-off machine used
- to increase the saw blades life, decrease the friction factor, cut materials difficult to machine and increase the machining parameters, we offer passivation or: TiN, TiCN, TiAlN coating
- saw blades with 5% cobalt featuring significantly longer life are available on demand

APPLICATION:

- specialist toothing configuration: arc wise with alternate bevels
- Bw toothing is a universal toothing used for cutting off full materials and profiles
- teeth pitch depending on cut material thickness
- the rake angle depends on material machined
- to prolong the cutting edge life it is necessary to use coolants

For cutting: steel – carbon and alloy steel, cast iron-grey, ductile, and alloy, cast steel, aluminium, brass, bronze and copper elements we recommend available, universal coolants such as Ekobiocol AK or Ekobiocol Special. 3% to 10% water solution of these agents is recommended.

INDEX								
	mm	mm	mm		mm	il x d _o /d _p	pcs	
FP220-0200-0001	200	32	2,00	200	80	Type "F" 2 x 8,5/45 i 2 x 11/63	1	5900855010313
FP220-0225-0002	225	32	2,00	180	80	Type "F" 2 x 8,5/45 i 2 x 11/63	1	5900855010351
FP220-0225-0001	225	32	2,00	220	80	Type "F" 2 x 8,5/45 i 2 x 11/63	1	5900855010344
FP220-0250-0001	250	32	2,00	200	80	Type "F" 2 x 8,5/45 i 2 x 11/63	1	5900855010405
FP220-0250-0002	250	32	2,50	200	80	Type "F" 2 x 8,5/45 i 2 x 11/63	1	5900855010412
FP220-0250-0011	250	40	2,00	200	80	Type "H" 2 x 8,5/55 i 4 x 12/64	1	5900855010504
FP220-0275-0001	275	32	2,00	220	100	Type "F" 2 x 8,5/45 i 2 x 11/63	1	5900855010566
FP220-0275-0007	275	32	2,50	220	100	Type "F" 2 x 8,5/45 i 2 x 11/63	1	5900855010627
FP220-0275-0004	275	40	2,50	140	100	Type "H" 2 x 8,5/55 i 4 x 12/64	1	5900855010597
FP220-0275-0005	275	40	2,50	200	100	Type "H" 2 x 8,5/55 i 4 x 12/64	1	5900855010603
FP220-0300-0007	300	32	2,50	180	100	Type "F" 2 x 8,5/45 i 2 x 11/63	1	5900855052955
FP220-0315-0001	315	32	2,50	220	100	Type "F" 2 x 8,5/45 i 2 x 11/63	1	5900855010825
FP220-0315-0002	315	40	3,00	200	100	Type "U" 4 x 10,5/63	1	5900855010832

Legend: d_o – driver hole dia d_p – hole pitch dia
INFO: To order we produce saw blades for cut-off machines with tooth geometry C and Bf.
 ■ toothing C is used in cutting off full materials with high efficiency
 ■ toothing Bf should be used for cutting off thin wall pipes and profiles

FP




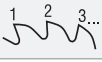
HSS CIRCULAR SAW BLADES – PASSIVATED

for cut-off machines

NEW
IN OFFER

HSS



INDEX				$\oplus \ominus \oplus$	
	mm	mm	mm	il x d _o /d _p	
-	225	32	2,0	Type "C" 2 x 8,5/45; 2x9,5/50 i 2 x 12/64	Special order teeth
-	250	32	2,0	Type "C" 2 x 8,5/45; 2x9,5/50 i 2 x 12/64	Special order teeth
-	275	32	2,0	Type "C" 2 x 8,5/45; 2x9,5/50 i 2 x 12/64	Special order teeth
-	275	32	2,5	Type "C" 2 x 8,5/45; 2x9,5/50 i 2 x 12/64	Special order teeth
-	275	40	2,5	Type "H" 2 x 8,5/55 i 4 x 12/64	Special order teeth
-	315	32	2,5	Type "C" 2 x 8,5/45; 2x9,5/50 i 2 x 12/64	Special order teeth
-	315	40	2,5	Type "H" 2 x 8,5/55 i 4 x 12/64	Special order teeth
-	350	32	3,0	Type "C" 2 x 8,5/45; 2x9,5/50 i 2 x 12/64	Special order teeth
-	350	40	3,0	Type "H" 2 x 8,5/55 i 4 x 12/64	Special order teeth
-	400	50	3,0	Type "S" 4 x 15/80 i 4 x 14/85	Special order teeth

Legend: d_o – driver hole dia d_p – hole pitch dia

FP




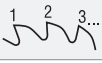
HSS CIRCULAR SAW BLADES – TIN

for cut-off machines

NEW
IN OFFER

HSS








INDEX				$\oplus \ominus \oplus$	
	mm	mm	mm	il x d _o /d _p	
-	225	32	2,0	Type "C" 2 x 8,5/45; 2x9,5/50 i 2 x 12/64	Special order teeth
-	250	32	2,0	Type "C" 2 x 8,5/45; 2x9,5/50 i 2 x 12/64	Special order teeth
-	275	32	2,0	Type "C" 2 x 8,5/45; 2x9,5/50 i 2 x 12/64	Special order teeth
-	275	32	2,5	Type "C" 2 x 8,5/45; 2x9,5/50 i 2 x 12/64	Special order teeth
-	275	40	2,5	Type "H" 2 x 8,5/55 i 4 x 12/64	Special order teeth
-	315	32	2,5	Type "C" 2 x 8,5/45; 2x9,5/50 i 2 x 12/64	Special order teeth
-	315	40	2,5	Type "H" 2 x 8,5/55 i 4 x 12/64	Special order teeth
-	350	32	3,0	Type "C" 2 x 8,5/45; 2x9,5/50 i 2 x 12/64	Special order teeth
-	350	40	3,0	Type "H" 2 x 8,5/55 i 4 x 12/64	Special order teeth
-	400	50	3,0	Type "S" 4 x 15/80 i 4 x 14/85	Special order teeth

Legend: d_o – driver hole dia d_p – hole pitch dia

TECHNICAL INFORMATION
SEGMENTAL SAW BLADES



The number of teeth and the associated pitch depend on the thickness and shape of the cut material, it is a major factor in the correct operation of equipment and tools. This basic relationship which determines the selection of the saw blade is presented in the table below.

TOOTH PITCH:

D (mm)	light metals, copper, structural steel cast steel	cast iron, spring steel, valve steel, tool steel, high speed steel	all types of materials cut		
					
	maximum pitch				
20	8,0	6,5	5,5	5,0	4,0
30	10,5	8,0	6,5	6,0	4,5
40	12,5	9,5	7,5	7,0	5,0
50	14,5	11,0	8,5	7,5	5,5
60	16,5	12,0	9,5	8,0	6,0
70	18,0	13,0	10,5	8,5	6,3
80	19,5	14,0	11,0	9,0	6,5
90	21,0	15,0	11,5	9,5	6,8
100	22,5	16,0	12,0	10,0	7,0
125	26,0	18,5	13,5	11,0	7,5
150	29,5	20,5	15,0	12,0	8,0
175	32,5	22,5	16,5	12,5	8,5
200	35,5	24,0	17,5	13,0	9,0
250	40,5	27,0	19,5	14,0	9,5
300	45,5	30,0	21,5	15,0	10,0

Key: D – height of cut material

DEPENDENCE OF CUTTING SPEED AND FEED PER TOOTH ON THE MATERIAL BEING CUT:

material group	strength N/mm ²			cutting speed (v) m/min	feed rate (Sz)
ductile iron	600 ÷ 700	15°	6°	15 ÷ 20	0,18 ÷ 0,22
spring steel	1200 ÷ 1400	15°	6°	6 ÷ 10	0,10 ÷ 0,12
spring steel	1200 ÷ 1300	15°	6°	6 ÷ 10	0,12 ÷ 0,12
bearing steel	900 ÷ 1000	15°	6°	10 ÷ 12	0,12 ÷ 0,15
stainless and acid resistant steel	600 ÷ 800	15°	6°	10 ÷ 12	0,12 ÷ 0,15
low-alloy tool steel	600 ÷ 700	15°	6°	10 ÷ 12	0,12 ÷ 0,15
high-alloy tool steel	800 ÷ 900	15°	6°	10 ÷ 12	0,12 ÷ 0,15
high-speed steel	800 ÷ 900	15°	6°	10 ÷ 12	0,12 ÷ 0,15

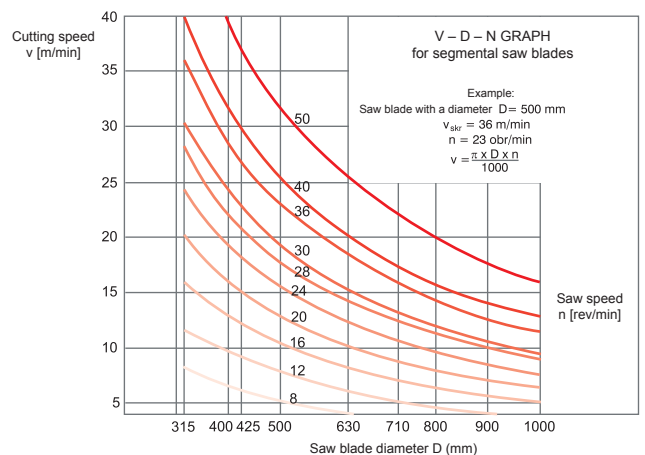
ROTARY SPEED, CUTTING SPEED OF SEGMENTAL SAW BLADES:

ATTENTION:

For cutting speed greater than 50 m/min look for the number of revolutions for the speed 10 times smaller, and multiply the result by 10.

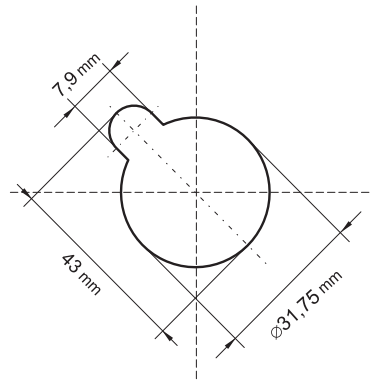
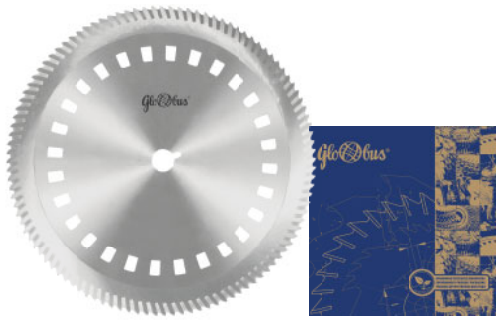
EXAMPLE:

With cutting speed v=300 m/min, look for the graph for 30 m/min and, for example, for the saw blade ø500 mm we find n=19 r/min, multiply by 10 and we obtain for v = 300 m/min and D=500 mm, n=190 rev/min.



PG010

SEGMENTAL CIRCULAR SAW BLADES WITH DISC PORTS

**EXECUTION & TECHNICAL INFORMATION:**

- saws manufactured acc. to PN-M-58769:1988
- the steel disc is made from tool steel whereas the segments from SW7M high speed steel of 62-64 HRC hardness mounted and secured by special rivets
- dismantlability of the sections makes it possible to repair or sharpen the teeth (after tooth or segment breakage) by simply replacing one or more segments
- in standard execution all segments mounted to the disc have (each segment tooth) cooling grooves facilitating cooling lubricating agent access to the cutting blade and machined material contact area
- all basic saw fixing holes and driver holes are adjusted to standard mountings on the machines

APPLICATION:

- for high-performance steel and non ferrous materials cutting
- rake angle in standard 15 degrees – for carbon steel

INDEX								
	mm	mm	mm				pcs	
PG010-0425-0001	425	31,75	5,00	4	18	1	5900855023788	
PG010-0425-0002	425	31,75	5,00	6	18	1	5900855023795	
PG010-0425-0003	425	31,75	5,00	8	18	1	5900855023801	
PG010-0500-0004	500	31,75	5,50	4	18	1	5900855023856	
PG010-0500-0001	500	31,75	5,50	6	18	1	5900855023825	

PG020

ORDINARY SEGMENTAL CIRCULAR SAW BLADES

**EXECUTION & TECHNICAL INFORMATION:**

- saws manufactured acc. to PN-M-58769:1988
- the steel disc is made from tool steel whereas the segments from SW7M high speed steel of 62-64 HRC hardness mounted and secured by special rivets
- dismantlability of the sections makes it possible to repair or sharpen the teeth (after tooth or segment breakage) by simply replacing one or more segments
- in standard execution all segments mounted to the disc have (each segment tooth) cooling grooves facilitating cooling lubricating agent access to the cutting blade and machined material contact area
- all basic saw fixing holes and driver holes are adjusted to standard mountings on the machines

APPLICATION:

- for high-performance steel and non ferrous materials cutting
- rake angle in standard 15 degrees – for carbon steel

INDEX								
	mm	mm	mm			\varnothing	pcs	
PG020-0315-0001	315	40	4,50	6	16	il x d _o /d _p 4 x 14/80	1	5900855023863
PG020-0400-0002	400	80	5,00	6	18	4 x 22,5/120	1	5900855023900
PG020-0500-0002	500	80	5,50	6	18	4 x 22,5/120	1	5900855023986
PG020-0630-0001	630	80	6,00	6	20	4 x 22,5/120	1	5900855024013
PG020-0710-0002	710	80	6,50	4	24	4 x 22,5/120	1	5900855024082
PG020-0710-0001	710	80	6,50	6	24	4 x 22,5/120	1	5900855024075

Legend: d_c – driver hole dia d_p – hole pitch dia

PG100

SEGMENTAL CIRCULAR SAWS BLADES ACC. DIN



EXECUTION & TECHNICAL INFORMATION:

- saws manufactured acc. to DIN
- the steel disc is made from tool steel whereas the segments from SW7M high speed steel of 62-64 HRC hardness mounted and secured by special rivets
- dismantability of the sections makes it possible to repair or sharpen the teeth (after tooth or segment breakage) by simply replacing one or more segments
- in standard execution all segments mounted to the disc have (each segment tooth) cooling grooves facilitating cooling lubricating agent access to the cutting blade and machined material contact area
- all basic saw fixing holes and driver holes are adjusted to standard mountings on the machines

APPLICATION:

- for high-performance steel and non ferrous materials cutting
- rake angle in standard 15 degrees – for carbon steel

INDEX								
	mm	mm	mm			il x d _o /d _p	pcs	
PG100-0400-0002	400	50	5,00	6	18	4 x 14/80	1	5900855024549

Legend: d_o – driver hole dia d_p – hole pitch dia

PG030

SPARE SEGMENTS



EXECUTION & TECHNICAL INFORMATION:

- made from high speed steel SW7M

INDEX						
	mm	mm		pcs	pcs	
PG030-0400-0002	400	5,00	6	60	960	5900855024273
PG030-0425-0001	425	5,00	4	60	960	5900855024310
PG030-0425-0002	425	5,00	6	60	960	5900855024327
PG030-0500-0002	500	5,50	6	30	480	5900855024365
PG030-0630-0005	630	6,00	6	30	480	5900855024402

PM

TECHNICAL INFORMATION
SAW BLADES FOR FRICTION CUTTING

MINIMUM SPEED OF FRICTION SAWS:

		minimum speed*
mm	mm	(rev/min)
200	115	8600
250	115	6900
300	150	5700
350	160	5000
400	180	4300
450	200	3800
500	250	3400
520	260	3300
550	270	3100
560	270	3100
580	300	3000
600	300	2900

* minimum speed is given for the linear cutting speed of 90 m/s.

PM010

FRICION SAW BLADES

NCV1



EXECUTION & TECHNICAL INFORMATION:

- friction saw blades are made from CrV steel with appropriate tooth configuration
- their advantages are: high speed cutting and smooth cut surfaces

APPLICATION:

- cutting pipes, bars and sections in steel construction production
- cutting on high speed cut-off machines with machining tangential velocity 90-125 m/s without cooling necessity

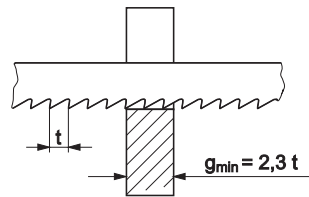
INDEX							
	mm	mm	mm		mm	pcs	
PM010-0500-0001	500	40	3,00	300	250	1	5900855024716
PM010-0500-0002	500	40	4,00	300	250	1	5900855024723

TECHNICAL INFORMATION

POWER HACKSAW BLADES

SELECTION OF THE NUMBER OF TEETH AND THE THICKNESS OF THE MATERIAL BEING CUT:

number of teeth per 25 mm	n minimum thickness of material being cut g_{min}
	mm
4	14,5
6	9,5
8	7,2
10	5,7
14	4,1



SELECTION OF TEETH AND CUTTING SPEED OF POWER HACKSAW BLADES:

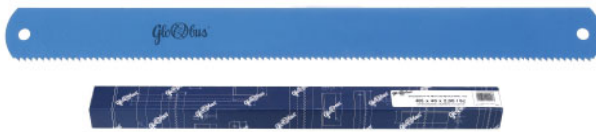
material	number of teeth per 25 mm	slide strokes per minute
aluminium	4-6	120
hard bronze	6-8-10	60-90
soft bronze	4-6	60-90
hard cast iron	6-8-10	60-90
soft cast iron	4-6	90-120
hard brass	6-8-10	90
soft brass	4-6	120
soft carbon steel	4-6	120
low-alloy structural steel	4-6	120
high-alloy structural steel	6-8-10	90-120
low-alloy tool steel	6-8-10	120
high-alloy tool steel	6-8-10-14	90
high-speed steel	6-8-10-14	90
stainless steel	4-6-8-10	60-90



HSS

BM100

POWER HACKSAW BLADES HSS



EXECUTION & TECHNICAL INFORMATION:

- power hacksaw saws blades are made from **high speed steel HSS** acc. to PN-72/M-63200, on demand also to DIN, AS and BS standard

APPLICATION:

- used on frame saw machines
- frame saw cutting of ferroalloys and nonferrous metal alloys bars and profiles
- it is recommended to apply cooling and lubricating agents while cutting off in order to prolong the blade life

INDEX							
	mm	mm	mm		mm	pcs	
BM100-0300-0002	300	25	1,25	6	8,2	10	5900855000093
BM100-0300-0001	300	32	1,60	6	8,2	10	5900855000086
BM100-0350-0001	350	32	1,60	6	8,2	10	5900855000147
BM100-0350-0002	350	32	2,00	6	8,2	10	5900855000154
BM100-0400-0002	400	32	1,60	6	8,2	10	5900855000239
BM100-0400-0006	400	32	1,60	10	8,2	10	5900855000277
BM100-0400-0003	400	32	2,00	6	8,2	10	5900855000246
BM100-0400-0004	400	40	2,00	6	8,2	10	5900855000253
BM100-0450-0001	450	32	1,60	6	10,2	10	5900855000314
BM100-0450-0002	450	32	2,00	6	10,2	10	5900855000321
BM100-0450-0004	450	40	2,00	4	10,2	10	5900855000345
BM100-0450-0005	450	40	2,00	6	10,2	10	5900855000352
BM100-0450-0006	450	40	2,00	8	10,2	10	5900855000369
BM100-0450-0009	450	40	2,00	10	10,2	10	5900855000390
BM100-0500-0007	500	40	2,00	4	10,2	10	5900855000475
BM100-0500-0001	500	40	2,00	6	10,2	10	5900855000413
BM100-0500-0004	500	40	2,00	8	10,2	10	5900855000444
BM100-0500-0003	500	40	2,50	6	10,2	10	5900855000437
BM100-0550-0002	550	40	2,00	6	12,2	10	5900855000529
BM100-0550-0001	550	50	2,50	6	12,2	10	5900855000512
BM100-0600-0001	600	50	2,50	4	12,2	10	5900855000574
BM100-0600-0002	600	50	2,50	6	12,2	10	5900855000581
BM100-0600-0003	600	50	2,50	8	12,2	10	5900855000598

BM600

LONG BLADE HSS – FRET SAW

HSS



EXECUTION & TECHNICAL INFORMATION:

- power hacksaw saws blades are made from **high speed steel HSS**

APPLICATION:

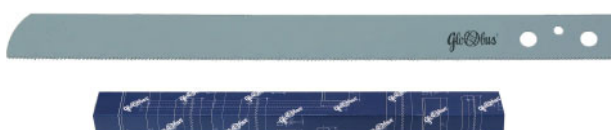
- used for cutting of soft steel, hard plastics and nonferrous metals
- curved cut
- arches with small radius

INDEX							
	mm	mm	mm		mm	pcs	
BM600-0318-0001	318	27	1,60	10	2 x 8,0	10	5900855001274

BM700

LONG BLADE HSS – NPMD-P

HSS



EXECUTION & TECHNICAL INFORMATION:

- power hacksaw saws blades are made from **high speed steel HSS**

APPLICATION:

- used for cutting of soft steel, hard plastics and nonferrous metals
- straight cut
- arches with big radius

INDEX							
	mm	mm	mm		mm	pcs	
BM700-0300-0001	300	25	1,50	14	2x8,4+1x4,5	10	5900855001281



BP100

HAND HACKSAW BLADES – TYPE RAMa



EXECUTION & TECHNICAL INFORMATION:

- made from tool steel – **Carbon Steel**
- single edge narrow
- specialist devices for blade shaping and hardening ensure long life of the tool
- accuracy of manufacture prevents the blade from sheering off the cutting line at proper tension

APPLICATION:

- used for cutting of ferroalloys, non ferrous metals and plastics

INDEX					
BP100-0300-0004	mm 300	mm 12,5	24	pcs 144	5900855001397

BP105

HAND HACKSAW BLADES – TYPE RAMb



EXECUTION & TECHNICAL INFORMATION:

- made from tool steel – **Carbon Steel**
- double edge wide
- specialist devices for blade shaping and hardening ensure long life of the tool
- accuracy of manufacture prevents the blade from sheering off the cutting line at proper tension

APPLICATION:

- used for cutting of ferroalloys, non ferrous metals and plastics

INDEX					
BP105-0300-0004	mm 300	mm 25	24	pcs 72	5900855047074

BP110

HAND HACKSAW BLADES – TYPE RAMc



EXECUTION & TECHNICAL INFORMATION:

- made from tool steel – **Carbon Steel**
- double edge narrow
- specialist devices for blade shaping and hardening ensure long life of the tool
- accuracy of manufacture prevents the blade from sheering off the cutting line at proper tension

APPLICATION:

- used for cutting of ferroalloys, non ferrous metals and plastics

INDEX					
BP110-0300-0005	mm 300	mm 12,5	24	pcs 144	5900855050722

BP115

HAND HACKSAW BLADES – TYPE RAMd



EXECUTION & TECHNICAL INFORMATION:

- made from tool steel – **Carbon Steel**
- double edge wide
- specialist devices for blade shaping and hardening ensure long life of the tool
- accuracy of manufacture prevents the blade from sheering off the cutting line at proper tension

APPLICATION:

- used for cutting of ferroalloys, non ferrous metals, plastics and wood

INDEX					
BP115-0300-0003	mm 300	mm 25	24/8	pcs 72	5900855047098

BP210

HAND HACKSAW BLADES – TYPE RAMb

HSS

globus QUICK-CUT 24T/1" HSS



EXECUTION & TECHNICAL INFORMATION:

- made from **high speed steel HSS**
- double edge wide
- specialist devices for blade shaping and hardening ensure long life of the tool
- HSS hacksaw blades feature longer hacksaw blade life than standard hacksaw blades

APPLICATION:

- high blade hardness ensures long life
- used to cut steel types that are difficult to machine
- used for cutting of ferroalloys, non ferrous metals and plastics

INDEX					
	mm	mm		pcs	
BP210-0300-0002	300	25	24	5	5900855001588
BP210-0300-0001	300	25	24	72	5900855001571

BP300

HAND HACKSAW BLADES BI-METAL FLEXER

Bi-Metal



EXECUTION & TECHNICAL INFORMATION:

- made of **bimetal strips with high speed steel tooting section and highly flexible blade body**
- specialist devices for blade shaping and hardening ensure long life of the tool

APPLICATION:

- single edge narrow
- **bi-metal hacksaw blades do not pose risk of breaking during operation**
- used for cutting of ferroalloys, non ferrous metals and plastics

INDEX						
	mm	mm		pcs	pcs	
BP300-0300-0020	300	12,5	24	1	50	5900855088473
BP300-0300-0021	300	12,5	24	144	–	5900855148122



INDEX				info			
	mm	mm		pcs	bl	bl	
BP300-0300-0022	300	12,5	24	10	1	25	5900855155618

BP800

FRAME FOR HAND HACKSAW BLADES



EXECUTION & TECHNICAL INFORMATION:

- aluminium arm
- handle coated with ANTISLIP finish
- handy knob for blade tension control
- includes storage for narrow hacksaw blades

APPLICATION:

- compliant with various blades width – max 25 mm
- may be used for cutting in two positions: 45 and 90 degrees

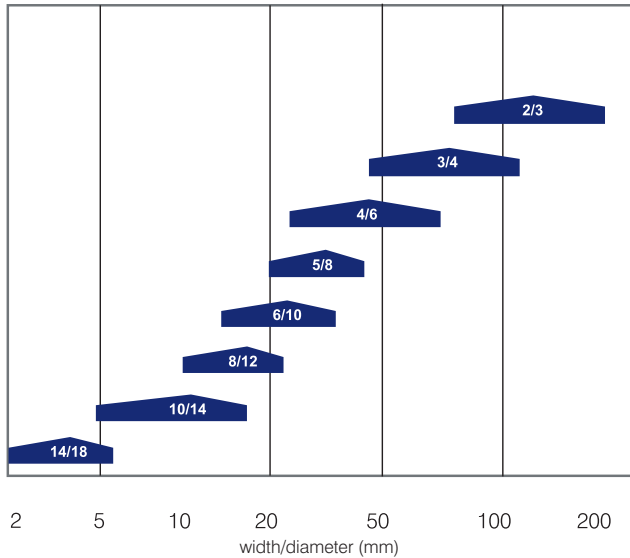
INDEX			
	mm	pcs	
BP800-0300-0001	300	1	5900855064422

SHAPE AND GEOMETRY OF THE TEETH:

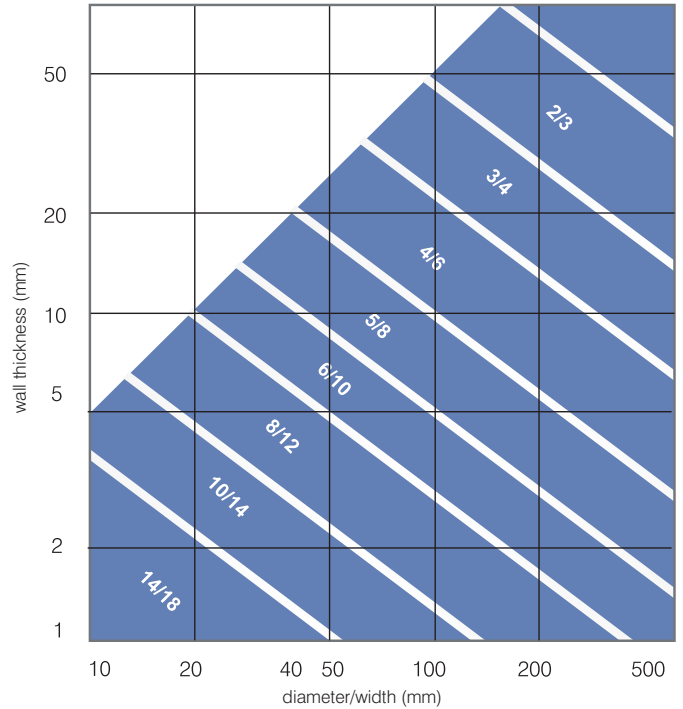
DRAWING	DESCRIPTION
<p>PC-S</p>	The shape of the PC-S teeth is used for cutting thin-walled pipes and profiles made of most materials
<p>PC-L</p>	The shape of the PC-L teeth is used for cutting medium and large elements – cutting susceptible to vibration
<p>UNI-CUT</p>	The universal shape of the UNI-CUT teeth can cut material varied both in type and shape

RECOMMENDED TOOTH PITCHES FOR BAND-SAW BLADES PROF-CUT AND PROF-CUT PLUS:

Cutting of solid elements



Cutting of tubes and profiles



ATTENTION:

For cutting soft solid materials (plastic, aluminium) use the pitch two degrees higher than that indicated in the table.

UNI-CUT BAND SAW BLADE SELECTION CHART:

INDEX	band dimension	pitch size	size of material														
			1 mm	2 mm	3 mm	5 mm	10 mm	20 mm	30 mm	40 mm	50 mm	75 mm	100 mm	150 mm	200 mm		
PX200-1306-0003	13X0,6 UC-S	small-good cut quality	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
PX200-1306-0002	13X0,6 UC-M	medium-long life		●	●	●	●	●	●	●	●	●	●	●	●	●	●
PX200-1306-0001	13X0,6 UC-L	large-higher cutting parameters		●	●	●	●	●	●	●	●	●	●	●	●	●	●
PX200-2009-0003	20X0,9 UC-S	small-good cut quality		●	●	●	●	●	●	●	●	●	●	●	●	●	●
PX200-2009-0002	20X0,9 UC-M	medium-long life		●	●	●	●	●	●	●	●	●	●	●	●	●	●
PX200-2009-0001	20X0,9 UC-L	large-higher cutting parameters		●	●	●	●	●	●	●	●	●	●	●	●	●	●
PX200-2709-0003	27X0,9 UC-S	small-good cut quality		●	●	●	●	●	●	●	●	●	●	●	●	●	●
PX200-2709-0002	27X0,9 UC-M	medium-long life			●	●	●	●	●	●	●	●	●	●	●	●	●
PX200-2709-0001	27X0,9 UC-L	large-higher cutting parameters			●	●	●	●	●	●	●	●	●	●	●	●	●
PX200-3411-0003	34X1,1 UC-S	small-good cut quality		●	●	●	●	●	●	●	●	●	●	●	●	●	●
PX200-3411-0002	34X1,1 UC-M	medium-long life			●	●	●	●	●	●	●	●	●	●	●	●	●
PX200-3411-0001	34X1,1 UC-L	large-higher cutting parameters				●	●	●	●	●	●	●	●	●	●	●	●

Saw blades for universal applications.

To properly order the UNI-CUT band, include: the length of the loop, its thickness and which elements will be cut: small (S), medium (M) or large (L) – selection according to the table.

TECHNICAL INFORMATION

BAND-SAW BLADES FOR METAL

SELECTION OF BAND SPEED AND CUTTING PERFORMANCE:

ITEM	steel grades	characteristics	examples	band speed* [m/min]	efficiency** [cm ² /min]
1	unalloyed steel (e.g. carbon, structural, cast steel)	C<0,25%	St3, St4, 10, 15, 20G, A10X, L400	80-95	55-76
2	unalloyed steel (e.g. structural, free-cutting, cast steel)	C=0,25-0,55%	St5, St6, 25, 40, 45G, 50G, A35, A45, L500, L600	65-70	47-65
3	unalloyed steel (e.g. structural, free-cutting, cast steel)	C=0,55-0,80%	St7, 55, 60, 65, 60G, N5	60-65	42-56
4	unalloyed steel (e.g. tool steel)	C=0,80-1,40%	N9, N12	55-60	39-52
5	low-alloy steels (e.g. for carburising, for nitriding, for toughening)	(150-260HB) (do 26,5HRC)	18G2A, 20H, 20HG, 18HGM, 15HN, 38HMJ, 30G2, 30H, 40H, 25HM, 36HM	70-75	47-65
6	low-alloy steels (e.g. for carburising, for nitriding, for toughening, spring steel)	(220-450HB) (20,5-48HRC)	17HNM, 18H2N2, 25H3M, 30HGS, 40HM, 35HGS, 38HNM, 40HNM, 45HN2A, 12H2N4, 25HGS, 65G, 50HG	55-60	37-52
7	high-alloy steels (e.g. tools steel for cold and hot working)	(150-260HB) (do 26,5HRC)	NV, NMV, NC4, WCL, WNL	50-55	16-21
8	high-alloy steels (e.g. tools steel for cold and hot working)	(220-450HB) (20,5-48HRC)	NC10, NM, NZ3, NPW, WWN2	35-40	9*-13
9	high-alloy steels (e.g. high speed steel)	(150-250HB) (do 25HRC)	SW12, SK5, SK10	35	11*-14
10	stainless steel	ferritic and martensitic	0H13, 3H13, 4H13, 0H17T, H17, H17N2, 3H17M, H13N4G9, 2H18N9, 1H18N9, H17N13M2, H26N4, H23N18, H16N, 36S2	35-40	21-28
11	stainless steel (acid-resistant, heat resistant)	austenitic		30-35	17-22

* the greater the detail the greater the efficiency value

** the greater the detail the lower the speed

$$\text{Cutting time} = \frac{\text{Section}}{\text{Efficiency}}$$

Example:

Calculation of time for cutting a shaft with a diameter of 200 mm made of structural steel St5:

Cutting efficiency selected from the table is 47-65 cm²/min. It accepts 50 cm²/min (high detail)

Section = $(3,14 \cdot 20^2) / 4 = 314 \text{ cm}^2$

Cutting time = $314 / 50 = 6,28 \text{ min.} = 6 \text{ min. } 17 \text{ sec.}$

Band speed = 65-70 m/min.

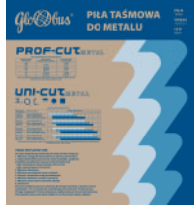
RECOMMENDED TOOTH PITCHES FOR BATCHES:

DRAWING	DESCRIPTION
	<p>For a batch of solid materials: select a pitch as for a single material with a width S and reduce it by one degree</p>
	<p>For a batch of pipes: Select a pitch as for a single pipe with a diameter equal to the width of the entire batch S and wall thickness of a single pipe g</p>

PX100

BAND SAW BLADES METAL PROF-CUT TYPE

for metal cutting



EXECUTION & TECHNICAL INFORMATION:

- bimetal strips
- teeth tips made from high speed steel M42 with 8% cobalt ensure long life
- proper tooth design guarantees high efficiency and quality of cut surface

APPLICATION:

- designed for production cutting most of materials types: from aluminium to nonferrous metals
- depending on teeth pitch it is used for cutting of full materials, pipes and profiles
- tooth geometry PC-S is used for cutting thin wall pipes and profiles made from most of materials
- tooth geometry PC-L is used for cutting medium and large items – cutting with high vibration level

INDEX					geometry	unit		
	mm	mm	mm				pcs	
○ PX100-1306-0001	custom order	13	0,6	6/10	PC-S	m	5	5900855113861
○ PX100-1306-0002	custom order	13	0,6	8/12	PC-S	m	5	5900855113878
○ PX100-1306-0003	custom order	13	0,6	10/14	PC-S	m	5	5900855113885
○ PX100-1306-0004	custom order	13	0,6	14/18	PC-S	m	5	5900855113892
○ PX100-2009-0001	custom order	20	0,9	4/6	PC-M	m	5	5900855113908
○ PX100-2009-0002	custom order	20	0,9	5/8	PC-M	m	5	5900855113915
○ PX100-2009-0003	custom order	20	0,9	6/10	PC-S	m	5	5900855113922
○ PX100-2009-0004	custom order	20	0,9	8/12	PC-S	m	5	5900855113939
○ PX100-2009-0005	custom order	20	0,9	10/14	PC-S	m	5	5900855113946
○ PX100-2709-0001	custom order	27	0,9	2/3	PC-M	m	5	5900855113953
○ PX100-2709-0002	custom order	27	0,9	3/4	PC-M	m	5	5900855113960
○ PX100-2709-0003	custom order	27	0,9	4/6	PC-M	m	5	5900855113977
○ PX100-2709-0004	custom order	27	0,9	5/8	PC-M	m	5	5900855113984
○ PX100-2709-0005	custom order	27	0,9	6/10	PC-S	m	5	5900855113991
○ PX100-2709-0006	custom order	27	0,9	8/12	PC-S	m	5	5900855114004
○ PX100-2709-0007	custom order	27	0,9	10/14	PC-S	m	5	5900855114011
○ PX100-3411-0001	custom order	34	1,1	2/3	PC-L	m	5	5900855114028
○ PX100-3411-0002	custom order	34	1,1	3/4	PC-L	m	5	5900855114035
○ PX100-3411-0003	custom order	34	1,1	4/6	PC-L	m	5	5900855114042
○ PX100-3411-0004	custom order	34	1,1	5/8	PC-L	m	5	5900855114059
○ PX100-3411-0005	custom order	34	1,1	6/10	PC-S	m	5	5900855114066
○ PX100-4113-0001	custom order	41	1,3	2/3	PC-L	m	5	5900855114073
○ PX100-4113-0002	custom order	41	1,3	3/4	PC-L	m	5	5900855114080
○ PX100-4113-0003	custom order	41	1,3	4/6	PC-L	m	5	5900855114097
○ PX100-4113-0004	custom order	41	1,3	5/8	PC-L	m	5	5900855114103
○ PX100-4113-0005	custom order	41	1,3	6/10	PC-S	m	5	5900855114110

Legend: ○ – to order

PX110

BAND SAW BLADES METAL PROF-CUT PLUS TYPE

for metal cutting



EXECUTION & TECHNICAL INFORMATION:

- bimetal strips
- teeth tips made from high speed steel M42 with 8% cobalt ensure long life
- proper tooth design guarantees high efficiency and quality of cut surface

APPLICATION:

- designed for cutting of materials difficult to machine, non-ferrous metals and stainless steel on production lines
- thanks to use of optimal teeth construction adjusted to teeth pitch band saw blade guarantees maximal cutting efficiency
- depending on teeth pitch it is used for cutting of full materials, pipes and profiles

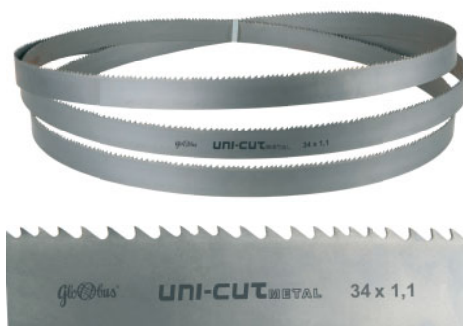
INDEX						geometry	unit		
	mm	mm	mm		°			pcs	
○ PX110-2009-0001	custom order	20	0,9	4/6	8	PC-L	m	5	5900855130400
○ PX110-2009-0002	custom order	20	0,9	5/8	8	PC-L	m	5	5900855130417
○ PX110-2009-0003	custom order	20	0,9	6/10	0	PC-S	m	5	5900855130424
○ PX110-2009-0004	custom order	20	0,9	8/12	0	PC-S	m	5	5900855130431
○ PX110-2009-0005	custom order	20	0,9	10/14	0	PC-S	m	5	5900855130448
○ PX110-2709-0001	custom order	27	0,9	2/3	10	PC-L	m	5	5900855130455
○ PX110-2709-0002	custom order	27	0,9	3/4	10	PC-L	m	5	5900855130462
○ PX110-2709-0003	custom order	27	0,9	4/6	8	PC-L	m	5	5900855130479
○ PX110-2709-0004	custom order	27	0,9	5/8	8	PC-L	m	5	5900855130486
○ PX110-2709-0005	custom order	27	0,9	6/10	0	PC-S	m	5	5900855130493
○ PX110-2709-0006	custom order	27	0,9	8/12	0	PC-S	m	5	5900855130509
○ PX110-3411-0001	custom order	34	1,1	2/3	10	PC-L	m	5	5900855130516
○ PX110-3411-0002	custom order	34	1,1	3/4	10	PC-L	m	5	5900855130523
○ PX110-3411-0003	custom order	34	1,1	4/6	8	PC-L	m	5	5900855130530
○ PX110-3411-0004	custom order	34	1,1	5/8	8	PC-L	m	5	5900855130547
○ PX110-4113-0001	custom order	41	1,3	2/3	10	PC-L	m	5	5900855130554
○ PX110-4113-0002	custom order	41	1,3	3/4	10	PC-L	m	5	5900855130561
○ PX110-4113-0003	custom order	41	1,3	4/6	8	PC-L	m	5	5900855130578

Legend: ○ – to order

PX200

BAND SAW BLADES METAL UNI-CUT TYPE

for metal cutting



EXECUTION & TECHNICAL INFORMATION:

- due to proper teeth sequence saw features little vibration, independent of cut profile
- use of wearless material in bearing part and high speed steel M42 with 8% cobalt on teeth tips ensures long life and quality

APPLICATION:

- universal extra modern tool
- special tooth shape enables to cut diverse materials with different shapes and sections when precise teeth pitch selection is not necessary
- saws recommended for metal cutting in small metal works and craft workshops

INDEX				geometry	unit		
	mm	mm	mm			pcs	
○ PX200-1306-0001	custom order	13	0,6	UC-L	m	5	5900855114127
○ PX200-1306-0002	custom order	13	0,6	UC-M	m	5	5900855114134
○ PX200-1306-0003	custom order	13	0,6	UC-S	m	5	5900855114141
○ PX200-2009-0001	custom order	20	0,9	UC-L	m	5	5900855114158
○ PX200-2009-0002	custom order	20	0,9	UC-M	m	5	5900855114165
○ PX200-2009-0003	custom order	20	0,9	UC-S	m	5	5900855114172
○ PX200-2709-0001	custom order	27	0,9	UC-L	m	5	5900855114189
○ PX200-2709-0002	custom order	27	0,9	UC-M	m	5	5900855114196
○ PX200-2709-0003	custom order	27	0,9	UC-S	m	5	5900855114202
○ PX200-3411-0001	custom order	34	1,1	UC-L	m	5	5900855114219
○ PX200-3411-0002	custom order	34	1,1	UC-M	m	5	5900855114226
○ PX200-3411-0003	custom order	34	1,1	UC-S	m	5	5900855114233

Legend: ○ – to order



CHAPTER III POWER TOOLS, HAND TOOLS

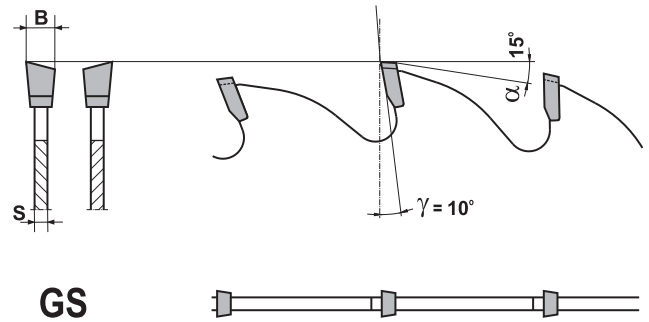
SAW BLADES	
KNIVES FOR PLANERS	_____ 171
REDUCTION RINGS	
ROUTER BITS FOR POWER TOOLS	
CIRCULAR SAW BLADES	
BAND SAW BLADES	_____ 186
HACKSAW BLADES	
HAND SAWS	
DIAMOND CIRCULAR SAW BLADES FOR POWER TOOLS	
DIAMOND CIRCULAR SAW BLADES FOR MOBILE CUT-OFF MACHINES	_____ 191
DRILL BITS FOR MASONRY AND CONCRETE SDS+ TOOLS	



PS670

HM-TIPPED SAW BLADES GS10 KOLIBER TYPE

for power tools



EXECUTION & TECHNICAL INFORMATION:

- laser cut disc from high quality, thermally improved steel providing high tool rigidity
- special sintered carbides ensure long saw blade life and enable multiple sharpening
- wide range of dimensions – diameters from 130 up to 230 mm for most of the power tools available on the market

APPLICATION:

- saws designed for all standard wood and wood derived materials processing
- specially selected teeth configuration and GS 10° tip shape (alternate top bevel) enable obtaining excellent quality of cut surfaces of the processed materials

INDEX											
	mm	mm	mm	mm	1 2 3...		for power tools	pcs			
PS670-0130-0001	130	16	2,2	1,2	24		BOSCH PKS 40, SKIL 5240E	1			5900855033824
PS670-0130-0002	130	20	2,2	1,2	24		BOSCH PKS 40, SKIL 5240E, 5240A	1			5900855072427
PS670-0140-0001	140	12,7	2,7	1,6	24		BLACK&DECKER KS40	1			5900855033831
PS670-0150-0002	150	30	2,7	1,6	26		DEWALT DW351	1			5900855072434
PS670-0160-0001	160	16	2,7	1,6	28		BOSCH PKS 54, BOSCH PKS 54 CE, PERLES KS 55	1			5900855033855
PS670-0160-0002	160	20	2,7	1,6	28		BOSCH GKS 55 CE, MILWAUKEE CS55, Metabo KS 54 SP, Metabo KSE 55 Plus, PROTOOL CSP 56 EQ, PROTOOL CSP 55-2, FESTOOL TS 55 EBQ	1			5900855033862
PS670-0160-0003	160	30	2,7	1,6	28		FESTOOL AU 50, AUP 50, AAU, MAFELL KS 320,	1			5900855072441
PS670-0165-0001	165	20	2,7	1,6	28		FERM FKS-165L, MAKITA 5604R, DEWALT D23550, DWT HKS-160 VS, HITACHI C6BU2, HITACHI C6U2	1			5900855033879
PS670-0180-0001	180	20	2,7	1,6	30		EINHELIN BHS 66/1, EINHELIN HK- PG 66/1	1			5900855033893
PS670-0180-0002	180	30	2,7	1,6	30		Bosch 550 ; Festo AU60S, AU55S, AUT60S; Hitachi C78U, C7U; Mafell Erika 55	1			5900855033909
PS670-0184-0001	184	30	2,7	1,6	26		MAKITA 4131, DEWALT DW62K, DEWALT D23620, EINHELIN HKL-G1400 SET, FERM FDGS-185, FERM FKS-185L, HITACHI C7BU, C7U	1			5900855072335
PS670-0184-0002	184	30	2,7	1,6	34		MAKITA 4131, DEWALT DW62K, DEWALT D23620, EINHELIN HKL-G1400 SET, FERM FDGS-185, FERM FKS-185L, HITACHI C7BU, C7U	1			5900855072342
PS670-0190-0004	190	30	2,7	1,6	24		BOSCH GKS 65 CE, MAKITA 5705R, HITACHI C7BU2, DEWALT D23650K, Metabo KSE 68 Plus, PROTOOL CSP 68 EB, FESTOOL AP 65, MILWAUKEE SCS 65 Q, DWT HKS-190 VS, Celma DBRCc	1			5900855072410
PS670-0190-0001	190	30	2,7	1,6	32		BOSCH GKS 65 CE, MAKITA 5705R, HITACHI C7BU2, DEWALT D23650K, Metabo KSE 68 Plus, PROTOOL CSP 68 EB, FESTOOL AP 65, MILWAUKEE SCS 65 Q, DWT HKS-190 VS, Celma DBRCc	1			5900855033916
PS670-0200-0001	200	30	2,7	1,6	24		HITACHI C9U, METABO KS85, PERLES KS170, FESTOOL TS75EBQ	1			5900855033947
PS670-0200-0002	200	30	2,7	1,6	36		HITACHI C9U, METABO KS85, PERLES KS170, FESTOOL TS75EBQ	1			5900855072359
PS670-0210-0001	210	30	2,7	1,6	34		BLACK&DECKER KS 810, DWT HKS-210 VS, FESTOOL TS 75 EBQ, MILWAUKEE CS 75, REBI RZ 2-70-2	1			5900855033954
PS670-0210-0002	210	35	2,7	1,6	34		BLACK&DECKER KS 810, DWT HKS-210 VS, FESTOOL TS 75 EBQ, MILWAUKEE CS 75, REBI RZ 2-70-3	1			5900855072458
PS670-0230-0001	230	30	2,7	1,6	36		FESTOOL CS 70, Metabo KS 85	1			5900855033961

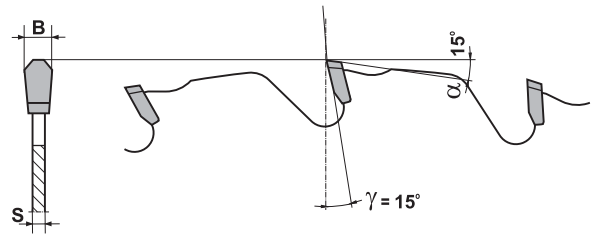
Legend: ○ – to order

INFO: Producers of sawing machines can modify their products during the validity of this offer. Therefore we request you to check the type of sawing machine before order placing (especially outer diameter and bore diameter).

PS675

HM-TIPPED SAW BLADES GB15 BRYTAN TYPE

for power tools



GB



EXECUTION & TECHNICAL INFORMATION:

- laser cut disc from high quality, thermally improved steel providing high tool rigidity
- special sintered carbides ensure long saw blade life and enable multiple sharpening
- wide range of dimensions – diameters from 160 up to 230 mm for most of the power tools available on the market

APPLICATION:

- universal saws for building industry
- special construction of the saw enables cutting of wood and wood derived materials **with mortar remains embedded with steel like nails etc.**

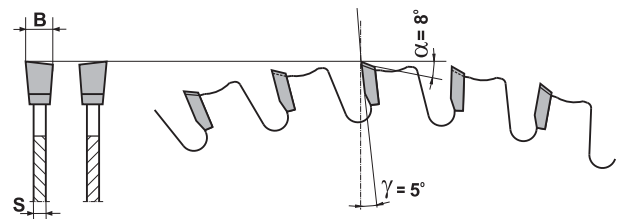
INDEX							for power tools		
	mm	mm	mm	mm				pcs	
PS675-0160-0001	160	20	2,7	1,6	12		BOSCH GKS 55 CE, MILWAUKEE CS55, Metabo KS 54 SP, Metabo KSE 55 Plus, PROTOOL CSP 56 EQ, PROTOOL CSP 55-2, FESTOOL TS 55 EBQ	1	5900855033992
PS675-0180-0001	180	30	2,7	1,6	12		Bosch 550; Festo AU60S, AU55S, AUT60S; Hitachi C78U, C7U; Mafell Erika 55	1	5900855034036
PS675-0190-0003	190	30	2,7	1,6	14		BOSCH GKS 65 CE, MAKITA 5705R, HITACHI C7BU2, DEWALT D23650K, Metabo KSE 68 Plus, PROTOOL CSP 68 EB, FESTOOL AP 65, MILWAUKEE SCS 65 Q, DWT HKS-190 VS, Celma DBRCc	1	5900855034074
PS675-0200-0001	200	30	2,7	1,6	16		HITACHI C9U, METABO KS85, PERLES KS170, FESTOOL TS75EBQ	1	5900855034081
PS675-0210-0001	210	30	2,7	1,6	16		BLACK&DECKER KS 810, DWT HKS-210 VS, FESTOOL TS 75 EBQ, MILWAUKEE CS 75, REBI RZ 2-70-2	1	5900855034098
PS675-0230-0001	230	30	2,7	1,6	16		FESTOOL CS 70, Metabo KS 85	1	5900855034104

INFO: Producers of sawing machines can modify their products during the validity of this offer. Therefore we request you to check the type of sawing machine before order placing (especially outer diameter and bore diameter).

PS680

HM-TIPPED SAW BLADES GS5° OSA TYPE

for power tools



1GS



EXECUTION & TECHNICAL INFORMATION:

- laser cut disc from high quality, thermally improved steel providing high tool rigidity
- special sintered carbide enabling multiple sharpening and ensuring long life
- a wide range of dimensions within diameters from 160 mm to 230 mm for majority of power tools available on the market

APPLICATION:

- universal saws ensuring high quality cutting
- special, alternate top bevel, 1GS 5° tothing enables cutting layer boards, polycarbonate boards, PVC profiles, as well as sections from steel plate and non ferrous metals (Alu, Cu)

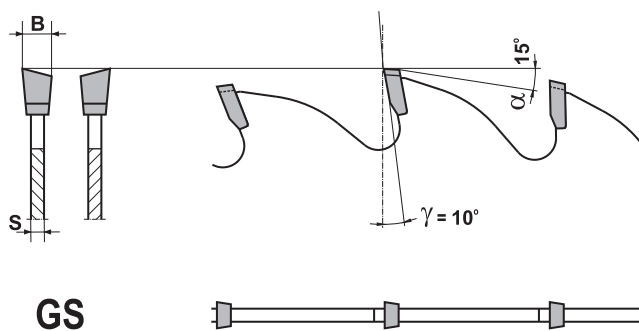
INDEX							for power tools		
	mm	mm	mm	mm				pcs	
PS680-0160-0002	160	16	2,7	1,6	32		BOSCH PKS 54, BOSCH PKS 54 CE, PERLES KS 55	1	5900855034128
PS680-0160-0001	160	20	2,7	1,6	32		BOSCH GKS 55 CE, MILWAUKEE CS55, Metabo KS 54 SP, Metabo KSE 55 Plus, PROTOOL CSP 56 EQ, PROTOOL CSP 55-2, FESTOOL TS 55 EBQ	1	5900855034111
PS680-0180-0001	180	20	2,7	1,6	36		EINHELIN BHS 66/1, EINHELIN HK-PG 66/1	1	5900855034135
PS680-0190-0001	190	30	2,7	1,6	40		BOSCH GKS 65 CE, MAKITA 5705R, HITACHI C7BU2, DEWALT D23650K, Metabo KSE 68 Plus, PROTOOL CSP 68 EB, FESTOOL AP 65, MILWAUKEE SCS 65 Q, DWT HKS-190 VS, Celma DBRCc	1	5900855034159
PS680-0200-0001	200	30	2,7	1,6	42		HITACHI C9U, METABO KS85, PERLES KS170, FESTOOL TS75EBQ	1	5900855034180
PS680-0210-0001	210	30	2,7	1,6	42		BLACK&DECKER KS 810, DWT HKS-210 VS, FESTOOL TS 75 EBQ, MILWAUKEE CS 75, REBI RZ 2-70-2	1	5900855034197
PS680-0230-0001	230	30	2,7	1,6	44		FESTOOL CS 70, Metabo KS 85	1	5900855034203

INFO: Producers of sawing machines can modify their products during the validity of this offer. Therefore we request you to check the type of sawing machine before order placing (especially outer diameter and bore diameter).

PS673

HM-TIPPED SAW BLADES SET2 TYPE

for power tools











EXECUTION & TECHNICAL INFORMATION:

- laser cut grooves reduce vibrations and compensate the influence of temperature on disc
- bigger sintered carbide means higher number of sharpenings and longer tool life

APPLICATION:

- saws designed for all standard soft and hard raw wood processing

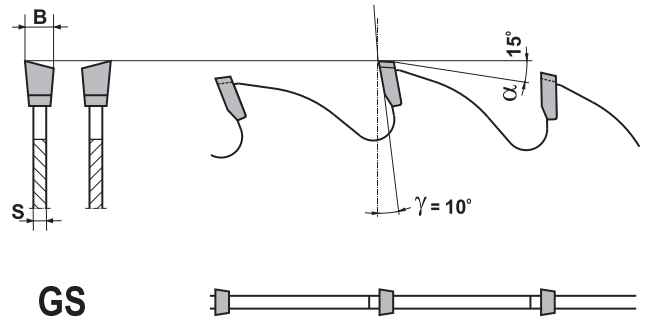
INDEX								
	mm	mm	mm	mm		for power tools	pcs	
PS673-0160-0001	160	30/20/16	2,7	1,6	24	AEG K55, K55S, Bosch PKS54, PKS54CE, GKS160, GKS55, Dewalt D23550-QS, D23550, DWT HKS-160VS, HKS-160, Festool AP55EB-PLUS, Hitachi C6U2, C6BU2, 5604R, Makita 5603R, 5604R, 5621RDWA, Metabo KS54, KSE55PLUS, Milwaukee HD18CS, V18CS, Perles KS55, Protool SCP56EQ, SCP56Q, CSP55-2, CSP56-2EB, Skil 5750AD	1	5900855139441
PS673-0160-0002	160	30/20/16	2,7	1,6	36	AEG K55, K55S, Bosch PKS54, PKS54CE, GKS160, GKS55, Dewalt D23550-QS, D23550, DWT HKS-160VS, HKS-160, Festool AP55EB-PLUS, Hitachi C6U2, C6BU2, 5604R, Makita 5603R, 5604R, 5621RDWA, Metabo KS54, KSE55PLUS, Milwaukee HD18CS, V18CS, Perles KS55, Protool SCP56EQ, SCP56Q, CSP55-2, CSP56-2EB, Skil 5750AD	1	5900855139458
PS673-0180-0001	180	30/20/16	2,7	1,6	30	AEG K66S, Black&Decker KS64, Bosch PKS66CE, GKS65, Dewalt D23620K-QS, D23650K-QS, DWT HKS-190, Hitachi C7BU, C7U, CLBU, Kress CHKS6066, Makita 5704R, 5705R, Metabo KS66, Perles KS68, Protool CSP68C, Skil 5166AC	1	5900855139465
PS673-0184-0001	184	30/20/16	2,7	1,6	40	AEG K66S, Black&Decker KS64, Bosch PKS66CE, GKS65, Dewalt D23620K-QS, D23650K-QS, DWT HKS-190, Hitachi C7BU, C7U, CLBU, Kress CHKS6066, Makita 5704R, 5705R, Metabo KS66, Perles KS68, Protool CSP68C, Skil 5166AC	1	5900855139472
PS673-0190-0001	190	30/20/16	2,7	1,6	40	AEG K66S, Black&Decker KS1500LK, KS1400L, KS1300, KS64, Bosch PKS66CE, GKS65CE, Dewalt D23650K, D23650K-QS, DWT HKS-190VS, Hitachi C7U2, CLBU, C7MFA, C7BU2, C7MFA, Kress CHKS6066, 1500KS, Makita 5704R, 5705R, Metabo KS1468S, KS66, Perles KS68, Protool CSP68C, CSP68-2EB, Skil 5166AC, 5366AA, 5366AB, 5866AA	1	5900855139489
PS673-0200-0001	200	30/20/16	2,7	1,6	24	Bosch GKS85, Celma DBRCc67, Dewalt D23700-QS, Festool TS75EBQ, Hitachi C9U, C9U2, C9BU2, Makita 5008MG, 5903, 5104R, Metabo KS85, Perles KS170	1	5900855139496
PS673-0200-0002	200	30/20/16	2,7	1,6	40	Bosch GKS85, Celma DBRCc67, Dewalt D23700-QS, Festool TS75EBQ, Hitachi C9U, C9U2, C9BU2, Makita 5008MG, 5903, 5104R, Metabo KS85, Perles KS170	1	5900855139502

INFO: Producers of sawing machines can modify their products during the validity of this offer. Therefore we request you to check the type of sawing machine before order placing (especially outer diameter and bore diameter).

PS320

HM-TIPPED SAW BLADES GLOTECH Electro TYPE

for power tools and miter saws



EXECUTION & TECHNICAL INFORMATION:

- laser cut disc made of thermally improved high quality tool steel guarantees high tool rigidity
- super hard carbide tips (ULTRAFINE) ensure very long tool life
- diameter range from 160 up to 260 mm, available for most power tools on the market

APPLICATION:

- saw blades designed for cutting foiled and veneered wood derived boards and plywood with thickness up to 30 mm
- used for power tools like: hand sawing machines, miter saws
- specially profiled tooth form and edge GS 10° (alternate top bevel) enable good quality of cut surface

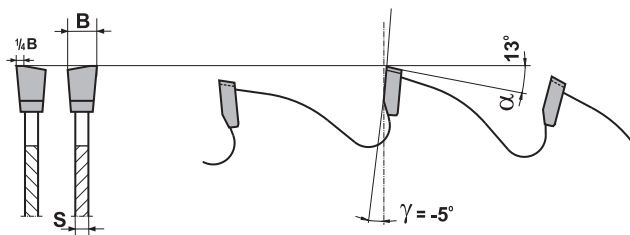
INDEX								
	mm	mm	mm	mm			pcs	
PS320-0160-0002	160	20	2,2	1,4	56	for power tools BOSCH GKS 55 CE, MILWAUKEE CS55, Metabo KS 54 SP, Metabo KSE 55 Plus, PROTOOL CSP 56 EQ, PROTOOL CSP 55-2, FESTOOL TS 55 EBQ	1	5900855133470
PS320-0180-0003	180	30	2,4	1,6	56	BOSCH GKS 65 CE, MAKITA 5705R, HITACHI C7BU2, DEWALT D23650K, Metabo KSE 68 Plus	1	5900855043915
PS320-0190-0001	190	30	2,5	1,6	56	BOSCH GKS 65 CE, MAKITA 5705R, HITACHI C7BU2, DEWALT D23650K, Metabo KSE 68 Plus, PROTOOL CSP 68 EB, FESTOOL AP 65, MILWAUKEE SCS 65 Q, DWT HKS-190 VS, Celma DBRCc	1	5900855133487
PS320-0210-0007	210	30	2,5	1,6	60	BLACK&DECKER KS 810, DWT HKS-210 VS, FESTOOL TS 75 EBQ, MILWAUKEE CS 75, REBI RZ 2-70-2	1	5900855133494
PS320-0216-0003	216	30	2,8	1,8	72	BLACK&DECKER KS 810, DWT HKS-210 VS, FESTOOL TS 75 EBQ, MILWAUKEE CS 75, REBI RZ 2-70-2	1	5900855133500
PS320-0235-0002	235	30	2,8	1,8	80	FESTOOL CS 70, Metabo KS 85	1	5900855133517
PS320-0260-0002	260	30	2,8	1,8	84	MAKITA LS1013	1	5900855133524

INFO: Producers of sawing machines can modify their products during the validity of this offer. Therefore we request you to check the type of sawing machine before order placing (especially outer diameter and bore diameter).

PS682

HM-TIPPED SAW BLADES STEEL-TECH Electro TYPE

for power tools



GC



EXECUTION & TECHNICAL INFORMATION:

- laser cut disc from high quality, thermally improved steel providing high tool rigidity and execution accuracy
- special sintered carbides ensure long saw blade life and enable multiple sharpening
- range of dimensions suitable for most of the power tools available on the market

APPLICATION:

- circular saws for cold cutting of metal guarantee no burns at the cutting edge
- series designed for cutting elements made of constructional steel like: pipes, profiles, trapezoidal metal sheets with thickness up to 3 mm
- cutting mild constructional steel

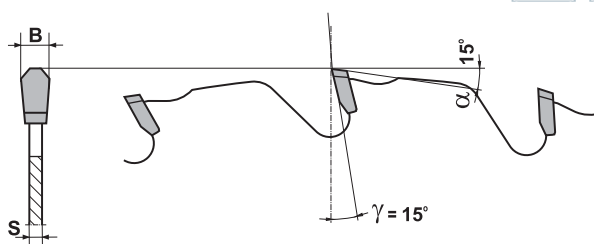
INDEX								
	mm	mm	mm	mm		for power tools	pcs	
PS682-0160-0001	160	20	2,0	1,4	40	BOSCH GKS 55 CE, MILWAUKEE CS55, Metabo KS 54 SP, Metabo KSE 55 Plus, PROTOOL CSP 56 EQ, PROTOOL CSP 55-2, FESTOOL TS 55 EBQ	1	5900855113045
PS682-0185-0001	185	30	2,0	1,4	48	MAKITA 4131, DEWALT DW62K, DEWALT D23620, EINHELIN HKL-G1400 SET, FERM FDCS-185, FERM FKS-185L, HITACHI C7BU, C7U	1	5900855108706
PS682-0200-0001	200	30	2,0	1,4	50	HITACHI C9U, METABO KS85, PERLES KS170, FESTOOL TS75EBQ	1	5900855108713
PS682-0210-0001	210	30	2,0	1,4	50	BLACK&DECKER KS 810, DWT HKS-210 VS, FESTOOL TS 75 EBQ, MILWAUKEE CS 75, REBI RZ 2-70-3	1	5900855113052

INFO: Producers of sawing machines can modify their products during the validity of this offer. Therefore we request you to check the type of sawing machine before order placing (especially outer diameter and bore diameter).

PS685

HM-TIPPED SAW BLADES GB15 BRYTAN MAX TYPE

for table machines



GB



EXECUTION & TECHNICAL INFORMATION:

- laser cut disc from high quality, thermally improved steel providing high tool rigidity, ensures high precision in execution and rigidity during working
- special sintered carbides ensure long saw blade life and enable multiple sharpening
- range of dimensions BRYTAN MAX within diameters from 300 up to 450 mm

APPLICATION:

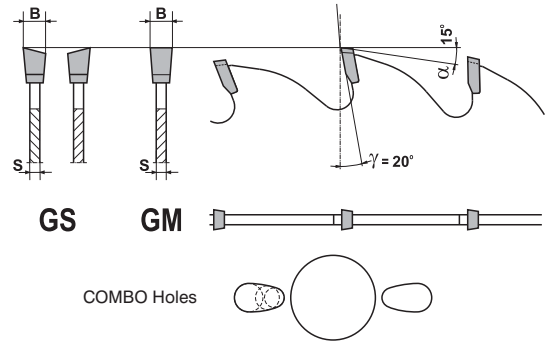
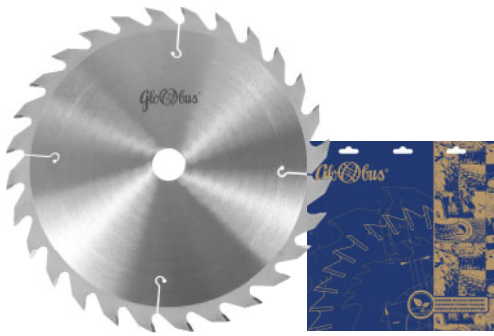
- universal saws for building industry, perfect on building grounds
- special construction of the saw enables cutting of wood and wood derived materials **with mortar remains embedded with steel like nails etc.**

INDEX							
	mm	mm	mm	mm		pcs	
PS685-0300-0002	300	30	3,2	2,2	24	1	5900855133760
PS685-0350-0001	350	30	3,6	2,5	28	1	5900855034227
PS685-0400-0001	400	30	4,0	2,8	32	1	5900855034234
PS685-0450-0001	450	30	4,0	2,8	36	1	5900855034241

PS010

HM-TIPPED SAW BLADES

for raw wood ripping



EXECUTION & TECHNICAL INFORMATION:

- use of high quality materials and sophisticated production technology guarantees high and repeated quality of saws offered by our factory
- the saw blades maintain appropriate rigidity while working, and feature long life
- properly selected tip configuration enables obtaining optimal working quality of the ripped material
- the saw disc has special heat compensating grooves and is extremely resistant to warping under high temperature and heavy load

APPLICATION:

- for soft and hard wood ripping
- saws with GS toothing recommended for dry wood cutting
- prime cutting mainly on table cut-off machines
- saws with diameter over 600 mm are used in single and twin disc cut off machines
- large dimension saws usually have additional cooling grooves
- quality of cut surfaces – medium

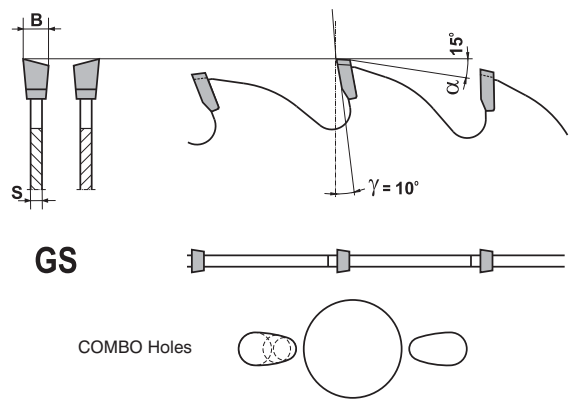
INDEX							teeth geometry			
	mm	mm	mm	mm	mm	mm		$i \times d_o / d_p$	pcs	
PS010-0250-0002	250	30	3,2	2,0	18	GM20	2x7/42+2x8,5/46+2x10/60	1	5900855025959	
PS010-0250-0003	250	30	3,2	2,0	24	GM20	2x7/42+2x8,5/46+2x10/60	1	5900855025966	
PS010-0300-0002	300	30	3,4	2,2	18	GM20	2x7/42+2x8,5/46+2x10/60	1	5900855026109	
PS010-0300-0003	300	30	3,4	2,2	28	GM20	2x7/42+2x8,5/46+2x10/60	1	5900855026116	
PS010-0315-0003	315	30	3,4	2,2	18	GM20	2x7/42+2x8,5/46+2x10/60	1	5900855026277	
PS010-0315-0006	315	30	3,2	2,5	28	GS20	2x7/42+2x8,5/46+2x10/60	1	5900855026307	
PS010-0315-0004	315	30	3,4	2,2	28	GM20	2x7/42+2x8,5/46+2x10/60	1	5900855026284	
PS010-0350-0001	350	30	3,6	2,5	18	GM20	2x7/42+2x8,5/46+2x10/60	1	5900855026369	
PS010-0350-0006	350	30	3,6	2,5	18	GS20	2x7/42+2x8,5/46+2x10/60	1	5900855026413	
PS010-0350-0002	350	30	3,6	2,5	24	GM20	2x7/42+2x8,5/46+2x10/60	1	5900855026376	
PS010-0350-0007	350	30	3,6	2,5	24	GS20	2x7/42+2x8,5/46+2x10/60	1	5900855026420	
PS010-0350-0010	350	30	3,2	2,5	32	GS20	-	1	5900855049825	
PS010-0350-0003	350	30	3,6	2,5	32	GM20	2x7/42+2x8,5/46+2x10/60	1	5900855026383	
PS010-0400-0001	400	30	4,0	2,8	18	GM20	2x7/42+2x8,5/46+2x10/60	1	5900855026499	
PS010-0400-0002	400	30	4,0	2,8	28	GM20	2x7/42+2x8,5/46+2x10/60	1	5900855026505	
PS010-0400-0003	400	30	4,0	2,8	36	GM20	2x7/42+2x8,5/46+2x10/60	1	5900855026512	
PS010-0450-0001	450	30	4,0	2,8	20	GM20	2x7/42+2x8,5/46+2x10/60	1	5900855026604	
PS010-0450-0008	450	30	4,2	2,8	28	GM20	2x7/42+2x8,5/46+2x10/60	1	5900855026854	
PS010-0450-0002	450	30	4,2	2,8	32	GM20	2x7/42+2x8,5/46+2x10/60	1	5900855026611	
PS010-0450-0013	450	30	4,0	2,8	36	GS20	-	1	5900855027397	
PS010-0500-0001	500	30	4,2	2,8	24	GM20	2x7/42+2x8,5/46+2x10/60	1	5900855026673	

Legend: d_o – driver hole dia d_p – hole pitch dia

PS210

HM-TIPPED SAW BLADES

for raw wood cross cutting



EXECUTION & TECHNICAL INFORMATION:

- appropriately selected teeth configuration and 10 rake, GS tip shape (alternate top bevel) enable obtaining optimal quality of cross cutting
- increased teeth number in a given tool diameter has impact on obtaining smooth surfaces of the cut material particularly in case of dry wood
- additionally the saws have grooves compensating temperature impact on disc tension fluctuation

APPLICATION:

- saws designed for soft and hard wood cutting
- saws can be used for ripping particularly in case of lower teeth number
- saws provide good quality of cut surfaces

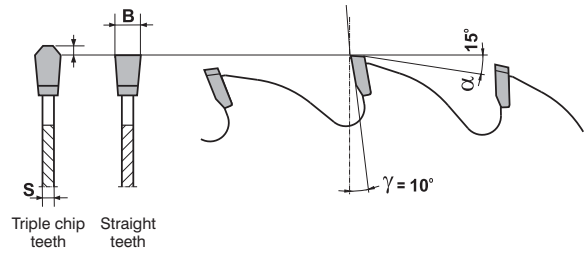
INDEX								
	mm	mm	mm	mm		$i \times d_c / d_p$	pcs	
PS210-0200-0003	200	30	2,7	1,6	44	2x7/42+2x8,5/46+2x10/60	1	5900855028905
PS210-0200-0004	200	30	3,0	1,8	44	2x7/42+2x8,5/46+2x10/60	1	5900855028912
PS210-0200-0005	200	30	3,0	1,8	64	2x7/42+2x8,5/46+2x10/60	1	5900855028929
PS210-0250-0004	250	30	2,7	1,6	42	2x7/42+2x8,5/46+2x10/60	1	5900855029117
PS210-0250-0001	250	30	3,2	2,0	42	2x7/42+2x8,5/46+2x10/60	1	5900855029087
PS210-0250-0008	250	30	3,2	2,0	54	2x7/42+2x8,5/46+2x10/60	1	5900855029155
PS210-0300-0005	300	30	3,4	2,2	36	2x7/42+2x8,5/46+2x10/60	1	5900855029308
PS210-0300-0001	300	30	3,2	2,2	48	2x7/42+2x8,5/46+2x10/60	1	5900855029261
PS210-0300-0006	300	30	3,4	2,2	52	2x7/42+2x8,5/46+2x10/60	1	5900855029315
PS210-0300-0007	300	30	3,2	2,2	72	2x7/42+2x8,5/46+2x10/60	1	5900855029322
PS210-0315-0002	315	30	3,4	2,2	36	2x7/42+2x8,5/46+2x10/60	1	5900855029421
PS210-0315-0003	315	30	3,4	2,2	52	2x7/42+2x8,5/46+2x10/60	1	5900855029438
PS210-0350-0001	350	30	3,6	2,5	32	2x7/42+2x8,5/46+2x10/60	1	5900855029513
PS210-0350-0002	350	30	3,6	2,5	42	2x7/42+2x8,5/46+2x10/60	1	5900855029520
PS210-0350-0003	350	30	3,6	2,5	60	2x7/42+2x8,5/46+2x10/60	1	5900855029537
PS210-0400-0001	400	30	4,0	2,8	36	2x7/42+2x8,5/46+2x10/60	1	5900855029636
PS210-0400-0002	400	30	4,0	2,8	48	2x7/42+2x8,5/46+2x10/60	1	5900855029643
PS210-0400-0003	400	30	4,0	2,8	68	2x7/42+2x8,5/46+2x10/60	1	5900855029650
PS210-0450-0001	450	30	4,2	2,8	54	2x7/42+2x8,5/46+2x10/60	1	5900855029728
PS210-0450-0002	450	30	4,2	2,8	76	2x7/42+2x8,5/46+2x10/60	1	5900855029735
PS210-0500-0001	500	30	4,2	2,8	44	2x7/42+2x8,5/46+2x10/60	1	5900855029759
PS210-0500-0002	500	30	4,2	2,8	60	2x7/42+2x8,5/46+2x10/60	1	5900855029766

Legend: d_c – driver hole dia d_p – hole pitch dia

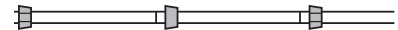
PS310

HM-TIPPED SAW BLADES GLOTECH 2 GA

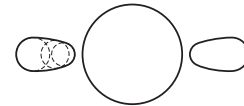
for cutting wood derived materials



GA



COMBO Holes



EXECUTION & TECHNICAL INFORMATION:

- super hard carbide tips (ULTRAFINE) ensure very long tool life
- the sintered carbide sharpening process performed on CNC sharpening machines enables obtaining a wide range of teeth configuration and high smoothness of sharpened surfaces
- new, stable disc with new silencing slots guarantees more stability of the tool during work and significantly less noise
- new, optimal geometry of the tooth and the space between teeth enables better chip removal and guarantees a stable cutting process

APPLICATION:

- VERY GOOD quality of worked surfaces
- saws designed for sizing of wood derived panels with possibility to cut MDF panels
- panel cutting on vertical and horizontal sizing machines with mechanical and manual feed up to the material thickness: 3x18 mm=54 mm
- saws used with scoring saws

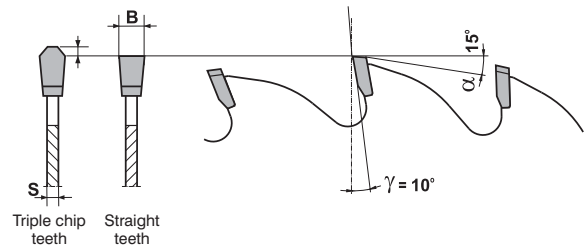
INDEX									
	mm	mm	mm	mm			ilxd _r /d _p	pcs	
PS310-0300-0002	300	30	3,2	2,2	96	W	2x7/42+2x8,5/46+2x10/60	1	5900855030007

Legend: d_r – driver hole dia d_p – hole pitch dia W – silencing.

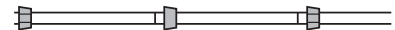
PS312

HM-TIPPED SAW BLADES MARATHON 2 GA

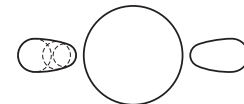
for cutting wood derived materials



GA



COMBO Holes



EXECUTION & TECHNICAL INFORMATION:

- super hard carbide tips (NANOGRAIN) ensure very long tool life
- the sintered carbide sharpening process performed on CNC sharpening machines enables obtaining a wide range of teeth configuration and high smoothness of sharpened surfaces
- new, stable disc with new silencing slots guarantees more stability of the tool during work and significantly less noise
- new, optimal geometry of the tooth and the space between teeth enables better chip removal and guarantees a stable cutting process

APPLICATION:

- VERY GOOD quality of worked surfaces
- saws designed for sizing of MDF, HDF panels, fibreboards, homogeneous materials with possibility to cut chipboards
- panel cutting on vertical and horizontal sizing machines with mechanical and manual feed up to the material thickness: 3x18 mm=54 mm
- saws used with scoring saws

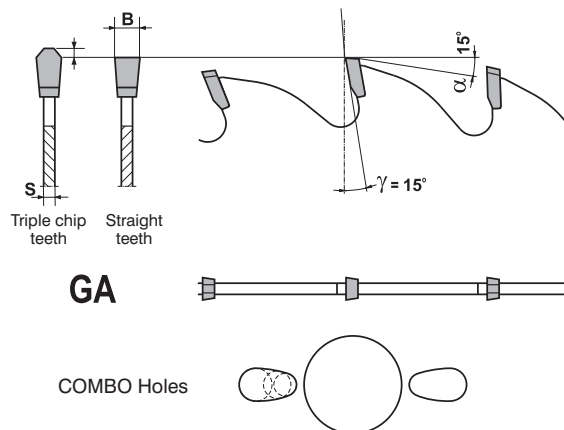
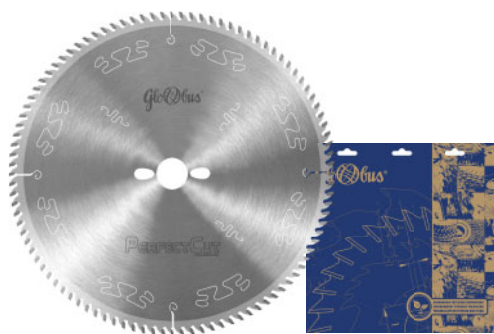
INDEX									
	mm	mm	mm	mm			ilxd _r /d _p	pcs	
PS312-0300-0002	300	30	3,2	2,2	96	W	2x7/42+2x8,5/46+2x10/60	1	5900855101301

Legend: d_r – driver hole dia d_p – hole pitch dia W – silencing.

PS312

HM-TIPPED SAW BLADES PERFECTCUT GA15

for cutting wood derived materials



EXECUTION & TECHNICAL INFORMATION:

- super hard carbide tips (NANOGRAIN) ensure very long tool life
- the sintered carbide sharpening process performed on CNC sharpening machines enables obtaining a wide range of teeth configuration and high smoothness of sharpened surfaces
- new, stable disc with new silencing slots guarantees more stability of the tool during work and significantly less noise
- new, optimal geometry of the tooth and the space between teeth enables better chip removal and guarantees a stable cutting process

APPLICATION:

- VERY GOOD quality of worked surfaces
- saws designed for sizing of MDF, HDF panels, fibreboards, homogeneous materials with possibility to cut chipboards
- particularly recommended for cutting furniture wood strips, providing great efficiency (number of cut meters / number of sharpenings) and high quality of cut edges
- panel cutting on horizontal sizing machines with mechanical and manual feed up to the material thickness: 25 mm
- saws used with scoring saws

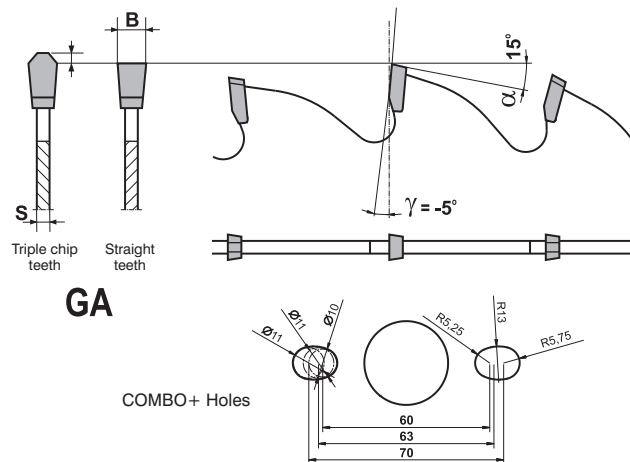
INDEX									
	mm	mm	mm	mm	1 2 3...	W	ixd _o /d _p	pcs	
PS312-0300-0017	300	30	3,2	2,2	100	W	2x7/42+2x8,5/46+2x10/60	1	5900855145015

Legend: d_o – driver hole dia d_p – hole pitch dia W – silencing.

PS415

HM-TIPPED SAW BLADES ALUEX (GA -5°)

for Alu and PVC profiles cutting



EXECUTION & TECHNICAL INFORMATION:

- high precision in disc execution
- specially selected sintered carbide and tooth form GA -5° (tapered and flat) ensure long saw blade life and very high cutting quality
- vast possibilities of sintered carbide sharpening enable solving problems with cutting and meet high quality demands
- silenced saw blades

APPLICATION:

- saws designed for cutting of Alu (soft – extruded) sections with the wall thickness up to 3 mm and PVC profiles

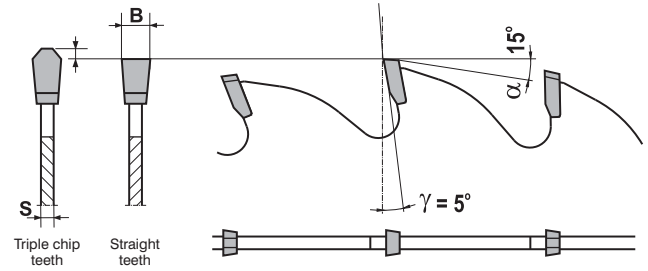
INDEX									
	mm	mm	mm	mm	1 2 3...		ixd _o /d _p	pcs	
PS415-0160-0002	160	20	2,5	1,8	56		-	1	5900855100243
PS415-0180-0003	180	30	2,5	1,8	54		-	1	5900855100045
PS415-0200-0008	200	30	2,2	1,6	100		-	1	5900855100069
PS415-0200-0004	200	30	2,5	1,8	60		2x10/60	1	5900855100076
PS415-0200-0001	200	30	3,0	2,5	60	Cu	2x10/60	1	5900855100120
PS415-0200-0006	200	32	2,2	1,6	100		-	1	5900855100083
PS415-0216-0001	216	30	2,8	2,2	72	Cu	2x10/60	1	5900855100137
PS415-0250-0009	250	30	2,2	1,6	100		-	1	5900855100090
PS415-0250-0002	250	30	3,2	2,5	80	Cu	2x10/60	1	5900855100144
PS415-0250-0006	250	32	2,2	1,6	100		-	1	5900855100106
PS415-0300-0002	300	30	3,2	2,5	96	Cu	2x10/60	1	5900855100151
PS415-0350-0002	350	30	3,2	2,5	108	Cu	2x10/60	1	5900855100182
PS415-0350-0001	350	32	3,2	2,5	108	Cu	-	1	5900855100274
PS415-0400-0003	400	30	4,0	3,4	120	Cu	2x10/60	1	5900855100311
PS415-0500-0003	500	30	4,2	3,6	120	Cu	2x10/60 + 2x11/63 + 2x11/72	1	5900855100342

Legend: d_o – driver hole dia d_p – hole pitch dia Silencing with Cu pins..

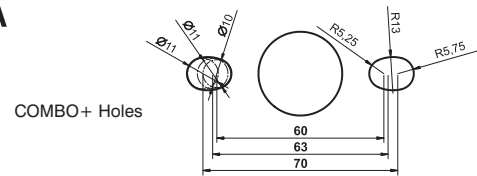
PS415

HM-TIPPED SAW BLADES ALUEX (GA +5°)

for Alu and PVC profiles cutting



GA



EXECUTION & TECHNICAL INFORMATION:

- high precision in disc execution
- specially selected sintered carbide and **tooth form GA +5°** (tapered and flat) ensure long saw blade life and very high cutting quality
- vast possibilities of sintered carbide sharpening enable solving problems with cutting and meet high quality demands
- silenced saw blades

APPLICATION:

- saws designed for cutting of ALU (soft – extruded) sections cutting with the wall thickness up to 5 mm and PVC profiles**
- required appropriate clamping of the processed material during operation

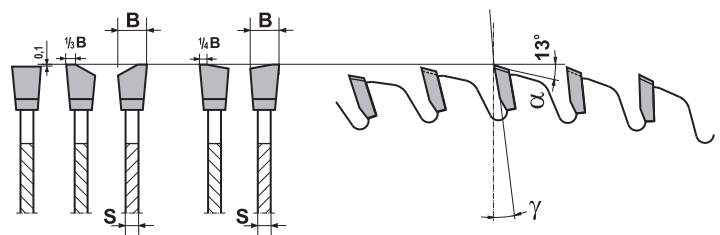
INDEX									
	mm	mm	mm	mm			ixld _o /d _p	pcs	
PS415-0160-0003	160	20	2,5	1,8	56		–	1	5900855100250
PS415-0160-0001	160	30	2,5	1,8	56		–	1	5900855100236
PS415-0200-0003	200	30	2,5	1,8	60		2x10/60	1	5900855100366
PS415-0250-0001	250	30	3,2	2,5	80	Cu	2x10/60	1	5900855100380
PS415-0260-0001	260	30	2,5	2,0	100	Cu	–	1	5900855100397
PS415-0300-0001	300	30	3,2	2,5	96	Cu	2x10/60	1	5900855100403
PS415-0350-0003	350	30	3,2	2,5	108	Cu	2x10/60	1	5900855100441
PS415-0400-0004	400	30	4,0	3,4	120	Cu	2x10/60	1	5900855100472
PS415-0450-0002	450	30	3,7	3,0	120	Cu	2x10/60	1	5900855100489
PS415-0500-0016	500	30	5,0	3,9	72	Cu	2x8/42	1	5900855100502

Legend: d_o – driver hole dia d_p – hole pitch dia. Silencing with Cu pins.

PS810

HM-TIPPED SAW BLADES STEEL-TECH

for steel profiles cutting



2GC

GC

EXECUTION & TECHNICAL INFORMATION:

- special sintered carbide for steel cutting
- special teeth geometry enables long saw blade life and high precision of cutting
- laser cut disc from high quality, thermally improved steel providing high tool rigidity

APPLICATION:

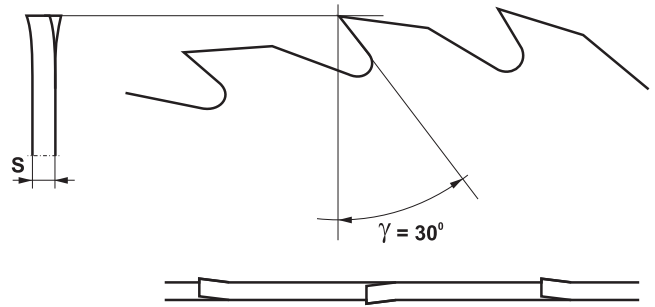
- cutting cold drawn, constructional steel sections with wall thickness < 3 mm, within 160-500 mm saw diameter range**
- cutting of sandwich boards (PU foam or foamed polystyrene filled) within 250-400 mm saw diameter range
- used on machines: Jepson, Makita, Ridgid, DeWALT

INDEX						geometry			
	mm	mm	mm	mm				pcs	
PS810-0260-0001	260	30	2,5	2,0	100	GC	5	1	5900855034586
PS810-0305-0005	305	25,4	2,4	1,8	80	GC	10	1	5900855034647
PS810-0355-0007	355	25,4	2,2	1,8	90	2GC	10	1	5900855062220

PT110

SAW BLADES LA

for soft wood ripping




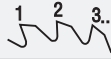




EXECUTION & TECHNICAL INFORMATION:

- saws made from high quality, thermally improved steel
- laser cut disc results in accurate execution
- standard saws made in sharpened and set version
- due to heavy duty working conditions the saws are also made with special heat compensating grooves

APPLICATION:

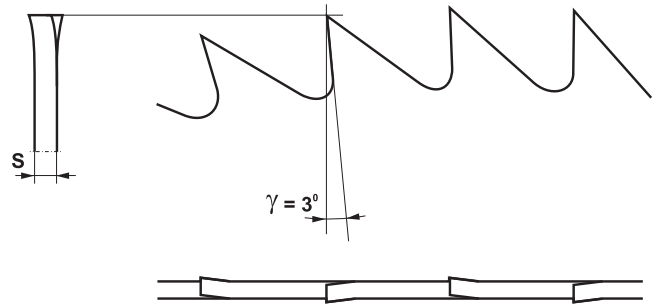
- saws designed for soft wood ripping, e.g. on the popular table cut off machines

INDEX						
	mm	mm	mm		pcs	
PT110-0115-0001	115	22,2	1,0	36	1	5900855036207
PT110-0115-0002	115	22,2	1,2	36	1	5900855056359
PT110-0125-0002	125	22	1,0	36	1	5900855036221
PT110-0125-0003	125	22	1,2	36	1	5900855036238
PT110-0125-0005	125	22,2	1,0	36	1	5900855051293
PT110-0125-0006	125	22,2	1,2	36	1	5900855056366
PT110-0160-0003	160	20	1,6	36	1	5900855036283
PT110-0200-0002	200	30	2,0	36	1	5900855036320
PT110-0250-0002	250	30	2,0	36	1	5900855036382
PT110-0250-0003	250	30	2,5	36	1	5900855036399
PT110-0300-0001	300	30	2,0	30	1	5900855036504
PT110-0300-0002	300	30	2,5	30	1	5900855036511
PT110-0300-0003	300	30	3,2	30	1	5900855036528
PT110-0315-0001	315	30	2,0	30	1	5900855036641
PT110-0315-0004	315	30	2,5	30	1	5900855036672
PT110-0315-0002	315	30	3,2	30	1	5900855036658
PT110-0350-0001	350	30	2,0	36	1	5900855036771
PT110-0350-0002	350	30	2,5	36	1	5900855036788
PT110-0350-0003	350	30	3,2	36	1	5900855036795
PT110-0400-0002	400	30	2,5	36	1	5900855037044
PT110-0400-0003	400	30	3,2	36	1	5900855037051
PT110-0400-0004	400	30	3,5	36	1	5900855037068
PT110-0450-0001	450	30	2,5	36	1	5900855037266
PT110-0450-0003	450	30	3,2	36	1	5900855037280
PT110-0500-0001	500	30	2,5	36	1	5900855037440
PT110-0500-0003	500	30	3,0	36	1	5900855037464
PT110-0500-0004	500	30	3,2	36	1	5900855037471
PT110-0500-0005	500	30	3,5	36	1	5900855037488

PT150

SAW BLADES KB

for soft and hard wood cross cutting



EXECUTION & TECHNICAL INFORMATION:

- saws made from high quality, thermally improved steel
- laser cut disc results in accurate execution
- standard saws made in sharpened and set version
- due to heavy duty working conditions the saws are also made with special heat compensating grooves

APPLICATION:

- for soft and hard wood cross cutting (e.g. firewood)

INDEX							
	mm	mm	mm		pcs		
PT150-0100-0001	100	20	1,0	60	1	5900855039628	
PT150-0115-0002	115	22,2	1,0	60	1	5900855039659	
PT150-0125-0003	125	22	1,2	60	1	5900855039680	
PT150-0125-0005	125	22,2	1,0	60	1	5900855089012	
PT150-0130-0001	130	16	1,2	60	1	5900855089029	
PT150-0250-0001	250	30	2,0	48	1	5900855039833	
PT150-0250-0003	250	30	2,5	48	1	5900855039857	
PT150-0300-0002	300	30	2,5	60	1	5900855040044	
PT150-0315-0002	315	30	2,5	48	1	5900855040129	
PT150-0350-0001	350	30	2,5	60	1	5900855040167	
PT150-0350-0002	350	30	3,2	60	1	5900855040174	
PT150-0400-0002	400	30	2,5	60	1	5900855040228	
PT150-0400-0003	400	30	3,2	60	1	5900855040235	
PT150-0450-0001	450	30	2,5	60	1	5900855040297	
PT150-0450-0002	450	30	3,2	60	1	5900855040303	
PT150-0500-0002	500	30	2,5	60	1	5900855040341	
PT150-0500-0001	500	30	3,2	60	1	5900855040334	
PT150-0500-0003	500	30	3,2	84	1	5900855040358	

KX400

REDUCTION RINGS



INDEX						
	mm	mm	mm	bl	bl	
KX400-0020-0001	20	16	1,2	1	100	5900855073417
	20	13				
	20	12,7				
KX400-0030-0001	30	28,6	1,4	1	100	5900855073424
	30	25				
	30	20				
	30	16				
KX400-0030-0002	30	28,6	1,8	1	100	5900855073431
	30	25				
	30	20				
	30	16				
KX400-0035-0001	35	32	1,4	1	100	5900855073448
	35	30				
	35	25				
	35	20				
	35	18				
	35	16				

NS

KNIVES FOR PLANERS



Globus CHROM VANADIUM

Globus EXTRA CHROM

Globus HSS STANDARD



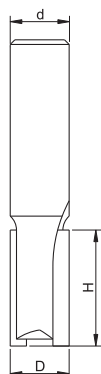
TECHNICAL INFORMATION – APPLICATION:

- designed for planing of elements from soft and hard wood and wood based materials
- knife hardness: NCV1 – 52 HRC, ECH – 58 HRC, HSS STANDARD – 61 HRC

INDEX					knife material	material cut		pcs	
	mm	mm	mm	mm			mm		
NS110-0255-0001	255	35	3,0	38	NCV1	soft and hard wood	3	5900855021142	
NS110-0260-0001	260	20	3,0	38	NCV1	soft and hard wood	3	5900855021159	
NS110-0305-0001	305	30	3,0	38	NCV1	soft and hard wood	3	5900855021166	
NS110-0305-0002	305	35	3,0	38	NCV1	soft and hard wood	3	5900855021173	
NS110-0355-0001	355	35	3,0	38	NCV1	soft and hard wood	3	5900855021203	
NS110-0410-0002	410	30	3,0	38	NCV1	soft and hard wood	3	5900855021234	
NS110-0410-0001	410	35	3,0	38	NCV1	soft and hard wood	3	5900855021227	
NS110-0510-0002	510	30	3,0	38	NCV1	soft and hard wood	3	5900855021272	
NS110-0510-0001	510	35	3,0	38	NCV1	soft and hard wood	3	5900855021265	
NS110-0610-0001	610	30	3,0	38	NCV1	soft and hard wood	3	5900855021296	
NS110-0610-0002	610	35	3,0	38	NCV1	soft and hard wood	3	5900855021302	
NS120-0305-0001	305	35	3,0	38	ECH	soft and hard wood	3	5900855021500	
NS120-0410-0001	410	35	3,0	38	ECH	soft and hard wood	3	5900855021555	
NS120-0510-0001	510	35	3,0	38	ECH	soft and hard wood	3	5900855021579	
NS120-0610-0001	610	35	3,0	38	ECH	soft and hard wood	3	5900855021609	
NS120-0640-0001	640	35	3,0	38	ECH	soft and hard wood	3	5900855021623	
NS135-0120-0002	120	30	3,0	43	HSS STANDARD	wood based materials, soft and hard wood	4	5900855160032	
NS135-0120-0003	120	35	3,0	43	HSS STANDARD	wood based materials, soft and hard wood	4	5900855160049	
NS135-0130-0002	130	30	3,0	43	HSS STANDARD	wood based materials, soft and hard wood	4	5900855160063	
NS135-0150-0001	150	30	3,0	43	HSS STANDARD	wood based materials, soft and hard wood	4	5900855160070	
NS135-0160-0007	160	30	3,0	43	HSS STANDARD	wood based materials, soft and hard wood	4	5900855160094	
NS135-0180-0001	180	30	3,0	43	HSS STANDARD	wood based materials, soft and hard wood	4	5900855160100	
NS135-0180-0002	180	35	3,0	43	HSS STANDARD	wood based materials, soft and hard wood	4	5900855160117	
NS135-0200-0002	200	30	3,0	43	HSS STANDARD	wood based materials, soft and hard wood	4	5900855159968	
NS135-0230-0001	230	30	3,0	43	HSS STANDARD	wood based materials, soft and hard wood	4	5900855159920	
NS135-0240-0001	240	30	3,0	43	HSS STANDARD	wood based materials, soft and hard wood	4	5900855159913	
NS135-0255-0001	255	35	3,0	43	HSS STANDARD	wood based materials, soft and hard wood	3	5900855159906	
NS135-0260-0001	260	20	3,0	43	HSS STANDARD	wood based materials, soft and hard wood	4	5900855159890	
NS135-0305-0002	305	30	3,0	43	HSS STANDARD	wood based materials, soft and hard wood	4	5900855159852	
NS135-0305-0001	305	35	3,0	43	HSS STANDARD	wood based materials, soft and hard wood	4	5900855159845	
NS135-0310-0003	310	35	3,0	43	HSS STANDARD	wood based materials, soft and hard wood	3	5900855159869	
NS135-0355-0001	355	35	3,0	43	HSS STANDARD	wood based materials, soft and hard wood	3	5900855159876	
NS135-0410-0001	410	30	3,0	43	HSS STANDARD	wood based materials, soft and hard wood	3	5900855159821	
NS135-0410-0002	410	35	3,0	43	HSS STANDARD	wood based materials, soft and hard wood	3	5900855159838	
NS135-0510-0002	510	30	3,0	43	HSS STANDARD	wood based materials, soft and hard wood	3	5900855159814	
NS135-0510-0001	510	35	3,0	43	HSS STANDARD	wood based materials, soft and hard wood	3	5900855159807	
NS135-0610-0003	610	30	3,0	43	HSS STANDARD	wood based materials, soft and hard wood	3	5900855159777	
NS135-0610-0001	610	35	3,0	43	HSS STANDARD	wood based materials, soft and hard wood	3	5900855159760	

FT502

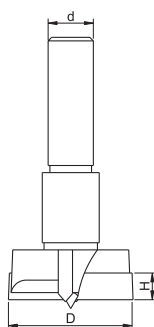
STRAIGHT ROUTER BITS – DOUBLE FLUTE



INDEX						
	mm	mm	mm	pcs	pcs	
FT502-0008-0010	19	8	8	1	20	5900855112680
FT502-0008-0011	19	10	8	1	20	5900855112697
FT502-0008-0002	30	10	8	1	20	5900855094450
FT502-0008-0008	30	20	8	1	20	5900855094511

FT503

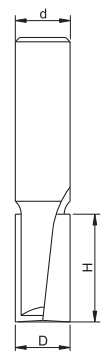
CYLINDER BORING BITS



INDEX						
	mm	mm	mm	pcs	pcs	
FT503-0010-0003	15,5	35	10	1	20	5900855094597

FT504

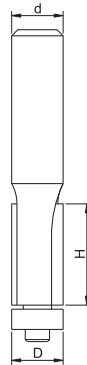
STRAIGHT DOUBLE FLUTE ROUTER BITS WITH DRILLING OPTION



INDEX						
	mm	mm	mm	pcs	pcs	
FT504-0008-0001	20	12	8	1	20	5900855094610
FT504-0012-0001	30	16	12	1	20	5900855094627

FT505

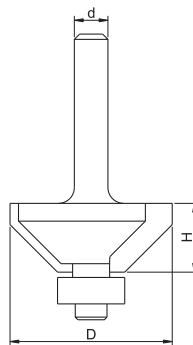
STRAIGHT DOUBLE FLUTE ROUTER BITS WITH LOWER BEARING



INDEX							
	mm	mm	mm	mm	pcs	pcs	
FT505-0012-0001	38,1	12	12		1	20	5900855094658

FT506

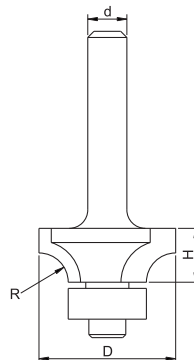
BEVEL ROUTER BITS WITH LOWER BEARING



INDEX							
	mm	mm	mm	mm	pcs	pcs	
FT506-0008-0001	12,7	31	8		1	20	5900855094665

FT508

ROUNDING OVER ROUTER BITS WITH LOWER BEARING



INDEX							
	mm	mm	mm	mm	pcs	pcs	
FT508-0012-0001	21,5	44,5	12	15,9	1	10	5900855094757

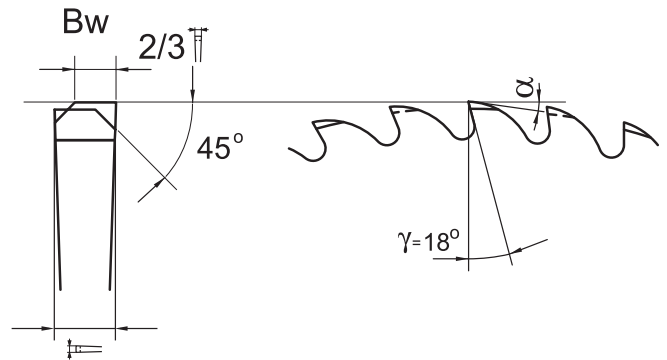
FP220

HSS CIRCULAR SAW BLADES Bw 18°

for cut-off machines



HSS



EXECUTION & TECHNICAL INFORMATION:

- all standard saw blades for cut-off machines are made from steel HSS-SW7M
- their characteristic features are driver holes of diameters, number and pitch depending on the cut-off machine used
- to increase the saw blades life, decrease the friction factor, cut materials difficult to machine and increase the machining parameters, we offer passivation or: TiN, TiCN, TiALN coating
- saw blades with 5% cobalt featuring significantly longer life are available on demand

APPLICATION:

- specialist toothing configuration: arc wise with alternate bevels
- Bw toothing is a universal toothing used for cutting off full materials and profiles
- teeth pitch depending on cut material thickness
- the rake angle depends on material machined
- to prolong the cutting edge life it is necessary to use coolants

For cutting: steel – carbon and alloy steel, cast iron-grey, ductile, and alloy, cast steel, aluminium, brass, bronze and copper elements we recommend available, universal coolants such as Ekobiocol AK or Ekobiocol Special. 3% to 10% water solution of these agents is recommended.

INDEX						$i \times d_s/d_p$		
	mm	mm	mm		mm		pcs	
FP220-0225-0001	225	32	2,00	220	80	Type "F" 2 x 8,5/45 i 2 x 11/63	1	5900855010344
FP220-0250-0001	250	32	2,00	200	80	Type "F" 2 x 8,5/45 i 2 x 11/63	1	5900855010405
FP220-0275-0001	275	32	2,00	220	100	Type "F" 2 x 8,5/45 i 2 x 11/63	1	5900855010566
FP220-0275-0005	275	40	2,50	200	100	Type "H" 2 x 8,5/55 i 4 x 12/64	1	5900855010603
FP220-0315-0001	315	32	2,50	220	100	Type "F" 2 x 8,5/45 i 2 x 11/63	1	5900855010825

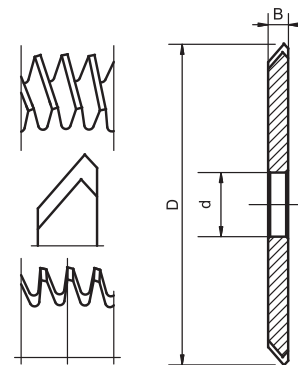
Legend: d_s – driver hole dia d_p – hole pitch dia
INFO: To order we produce saw blades for cut-off machines with tooth geometry C and Bf
 ■ toothing C is used for cutting off full materials with high efficiency
 ■ toothing Bf should be used for cutting off thin wall pipes and profiles

FP615

HSSE CIRCULAR SAW BLADES

for key duplicating

HSSE



EXECUTION & TECHNICAL INFORMATION:

- use of high speed steel M35 with 5% cobalt ensures long saw blade life, precise execution guarantees high milling quality

APPLICATION:

- saw blades used on most machines copying of YALE type keys

INDEX						
	mm	mm	mm		pcs	
FP615-0080-0001	80	16	5	110	1	5900855120586

PX100

BAND SAW BLADES METAL PROF-CUT TYPE

for metal cutting



EXECUTION & TECHNICAL INFORMATION:

- bimetal strips
- teeth tips made from high speed steel M42 with 8% cobalt ensure long life
- proper tooth design guarantees high efficiency and quality of cut surface

APPLICATION:

- designed for production cutting most of materials types: from aluminium to nonferrous metals
- depending on teeth pitch it is used for cutting of full materials, pipes and profiles
- tooth geometry PC-S is used for cutting thin wall pipes and profiles made from most of materials
- tooth geometry PC-L is used for cutting medium and large items – cutting with high vibration level

INDEX					geometry	unit		
	mm	mm	mm				pcs	
○ PX100-1306-0003	custom order	13	0,6	10/14	PC-S	m	5	5900855113885
○ PX100-2009-0004	custom order	20	0,9	8/12	PC-S	m	5	5900855113939
○ PX100-2709-0004	custom order	27	0,9	5/8	PC-M	m	5	5900855113984

Legend: ○ – to order

BM100

POWER HACKSAW BLADES HSS



HSS



EXECUTION & TECHNICAL INFORMATION:

- power hacksaw saws blades are made from **high speed steel HSS** acc. to PN-72/M-63200, on demand also to DIN, AS and BS standard

APPLICATION:

- used on frame saw machines
- frame saw cutting of ferroalloys and nonferrous metal alloys bars and profiles
- it is recommended to apply cooling and lubricating agents while cutting off in order to prolong the blade life

INDEX							
	mm	mm	mm	mm	mm	pcs	
BM100-0450-0005	450	40	2,00	6	10,2	10	5900855000352
BM100-0500-0001	500	40	2,00	6	10,2	10	5900855000413
BM100-0500-0003	500	40	2,50	6	10,2	10	5900855000437
BM100-0600-0001	600	50	2,50	4	12,2	10	5900855000574
BM100-0600-0002	600	50	2,50	6	12,2	10	5900855000581

BP100

HAND HACKSAW BLADES – TYPE RAMa



EXECUTION & TECHNICAL INFORMATION:

- made from tool steel – **Carbon Steel**
- single edge narrow
- specialist devices for blade shaping and hardening ensure long life of the tool
- accuracy of manufacture prevents the blade from sheering off the cutting line at proper tension

APPLICATION:

- used for cutting of ferroalloys, non ferrous metals and plastics

INDEX					
	mm	mm		pcs	
BP100-0300-0004	300	12,5	24	144	5900855001397

BP105

HAND HACKSAW BLADES – TYPE RAMb



EXECUTION & TECHNICAL INFORMATION:

- made from tool steel – **Carbon Steel**
- double edge wide
- specialist devices for blade shaping and hardening ensure long life of the tool
- accuracy of manufacture prevents the blade from sheering off the cutting line at proper tension

APPLICATION:

- used for cutting of ferroalloys, non ferrous metals and plastics

INDEX					
BP105-0300-0004	mm 300	mm 25	24	pcs 72	5900855047074

BP110

HAND HACKSAW BLADES – TYPE RAMc



EXECUTION & TECHNICAL INFORMATION:

- made from tool steel – **Carbon Steel**
- double edge narrow
- specialist devices for blade shaping and hardening ensure long life of the tool
- accuracy of manufacture prevents the blade from sheering off the cutting line at proper tension

APPLICATION:

- used for cutting of ferroalloys, non ferrous metals and plastics

INDEX					
BP110-0300-0005	mm 300	mm 12,5	24	pcs 144	5900855050722

BP115

HAND HACKSAW BLADES – TYPE RAMd



EXECUTION & TECHNICAL INFORMATION:

- made from tool steel – **Carbon Steel**
- double edge wide
- specialist devices for blade shaping and hardening ensure long life of the tool
- accuracy of manufacture prevents the blade from sheering off the cutting line at proper tension

APPLICATION:

- used for cutting of ferroalloys, non ferrous metals, plastics and wood

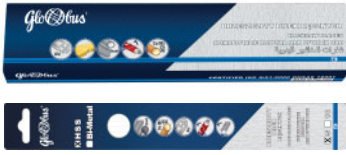
INDEX					
BP115-0300-0003	mm 300	mm 25	24/8	pcs 72	5900855047098

BP210

HAND HACKSAW BLADES – TYPE RAMb HSS

HSS

globe QUICK-CUT 24T/1" HSS



EXECUTION & TECHNICAL INFORMATION:

- made from **high speed steel HSS**
- double edge wide
- specialist devices for blade shaping and hardening ensure long life of the tool
- HSS hacksaw blades feature longer hacksaw blade life than standard hacksaw blades

APPLICATION:

- high blade hardness ensures long life
- used to cut steel types that are difficult to machine
- used for cutting of ferroalloys, non ferrous metals and plastic

INDEX					
	mm	mm		pcs	
BP210-0300-0002	300	25	24	5	5900855001588
BP210-0300-0001	300	25	24	72	5900855001571

BP300

HAND HACKSAW BLADES BI-METAL FLEXER

Bi-Metal

globe FLEXER 24T/1"



EXECUTION & TECHNICAL INFORMATION:

- made of **bimetal strips with high speed steel tootingh section and highly flexible blade body**
- specialist devices for blade shaping and hardening ensure long life of the tool

APPLICATION:

- single edge narrow
- bi-metal hacksaw blades do not pose risk of breaking during operation
- used for cutting of ferroalloys, non ferrous metals and plastics

INDEX						
	mm	mm		pcs	pcs	
BP300-0300-0020	300	12,5	24	1	50	5900855088473
BP300-0300-0021	300	12,5	24	144	-	5900855148122



INDEX				info			
	mm	mm		pcs	bl.	bl.	
BP300-0300-0022	300	12,5	24	10	1	25	5900855155618

BP800

FRAME FOR HAND HACKSAW BLADES



EXECUTION & TECHNICAL INFORMATION:

- aluminium arm
- handle coated with ANTISLIP finish
- handy knob for blade tension control
- includes storage for narrow hacksaw blades
- compliant with various blades widths – max 25 mm
- may be used for cutting in two positions: 45 and 90 degrees

INDEX			
BP800-0300-0001	mm	pcs	5900855064422
	300	1	

BE200

JIGSAW BLADES WITH BOSCH TYPE GRIP

80CrV2



EXECUTION & TECHNICAL INFORMATION:

- body made from high quality steel 80CrV2 – lacquered
- four teeth pitch ranges: 1, 2, 3, 4 mm
- Bosch-type grip

APPLICATION:

- used for cutting of wood, wood derived materials, plastics, PCV, Alu and steel (depending on teeth pitch)

INDEX												blades in a blister	bl.	bl.	
	mm	mm													
BE200-0100-0001	100	75	1	●	●	–	●	–	–	–	●	5	1	12	5900855061841
BE200-0100-0002	100	75	2	●	●	●	●	<30	–	–	–	5	1	12	5900855061858
BE200-0100-0003	100	75	3	●	●	●	●	<60	●	–	–	5	1	12	5900855061865
BE200-0100-0004	100	75	4	●	●	●	●	<60	●	●	–	5	1	12	5900855061872
BE200-0100-0005	100	75	3	●	●	–	●	<30	–	–	–	5	1	12	5900855061889
BE200-0100-0006	100	75	1,2,3,4,3					set				5	1	12	5900855061896

BM600

LONG BLADE HSS – FRET SAW

HSS



EXECUTION & TECHNICAL INFORMATION:

- power hacksaw saws blades are made from **high speed steel HSS**

APPLICATION:

- used for cutting of soft steel, hard plastics and nonferrous metals
- curved cut
- arches with small radius

INDEX								
	mm	mm	mm		mm	pcs		
BM600-0318-0001	318	27	1,60	10	2 x 8,0	10		5900855001274

BM700

LONG BLADE HSS – NPMD-P

HSS



EXECUTION & TECHNICAL INFORMATION:

- power hacksaw saws blades are made from **high speed steel HSS**

APPLICATION:

- used for cutting of soft steel, hard plastics and nonferrous metals
- straight cut
- arches with big radius

INDEX							
	mm	mm	mm		mm	pcs	
BM700-0300-0001	300	25	1,50	14	2x8,4+1x4,5	10	5900855001281

N4100

HAND SAWS

for cellular concrete cutting

HM



EXECUTION & TECHNICAL INFORMATION:

- metal section made from high quality tool steel – lacquered
- ergonomic plastic fixed with three rivets
- teeth from sintered carbide
- special guard for teeth

INDEX						
	mm	mm		pcs	pcs	
N4100-0700-0001	700	17		1	6	5900855061780
N4100-0700-0002	700	34		1	6	5900855061797



PO110

DIAMOND SAW BLADES BET-TECH TYPE

for power tools



EXECUTION & TECHNICAL INFORMATION:

- special segments with high diamond concentration guarantee long saw blade life
- **saws are excellent for cutting reinforced concrete**
- used in angle grinders and other high-speed constructional cutting devices

INDEX						
	mm	mm	mm	mm	pcs	pcs
PO110-0115-0001	115	22,23	7,5	1	10	5900855024778
PO110-0125-0001	125	22,23	7,5	1	10	5900855024785
PO110-0180-0001	180	22,23	7,5	1	10	5900855024792
PO110-0230-0001	230	22,23	7,5	1	10	5900855024808

PO111

DIAMOND SAW BLADES CUT-TECH TYPE

for power tools



EXECUTION & TECHNICAL INFORMATION:

- **higher segments with high diamond concentration guarantee long saw blade life**
- special technology joining the diamond segment with disc enables maximal tool use
- **saws are excellent for cutting cobblestone**
- used also for cutting such materials as: concrete, cobblestone, clinkier brick, building ceramic (roofing tiles, bricks)
- used in angle grinders and other high-speed constructional cutting devices

INDEX						
	mm	mm	mm	mm	pcs	pcs
PO111-0115-0001	115	22,23	10	1	10	5900855129527
PO111-0125-0001	125	22,23	10	1	10	5900855129534
PO111-0230-0001	230	22,23	10	1	10	5900855129558

PO121

DIAMOND SAW BLADES SPEED-TECH TYPE

for power tools



EXECUTION & TECHNICAL INFORMATION:

- **super fast saw (thin disc)**
- **ultra thin diamond guarantees very low cutting resistance what results in better saw management in cut material**
- **saws designed for dry and wet cutting ceramic wall tiles, marble, gres and building ceramic (wet cutting on appropriate table cut-off machines)**
- used in angle grinders and other high-speed constructional cutting devices

INDEX						
	mm	mm	mm	mm	pcs	pcs
PO121-0115-0001	115	22,23	50	1	10	5900855129565
PO121-0125-0001	125	22,23	50	1	10	5900855129572
PO121-0180-0001	180	25,4/22,23	60	1	10	5900855129589
PO121-0200-0001	200	25,4/22,23	60	1	10	5900855129596
PO121-0230-0001	230	22,23	80	1	10	5900855129602

PO130

DIAMOND SAW BLADES CER-TECH TYPE

for power tools



EXECUTION & TECHNICAL INFORMATION:

- saws with continuous diamond rim
- saws designed for cutting ceramic wall tiles, glaze and terracotta tiles
- good cutting quality
- used in angle grinders and other high-speed constructional cutting devices

INDEX						
	mm	mm	mm	pcs	pcs	
PO130-0115-0001	115	22,23	7,5	1	10	5900855024891
PO130-0125-0001	125	22,23	7,5	1	10	5900855024907
PO130-0180-0001	180	25,4/22,23	7,5	1	10	5900855024921
PO130-0230-0001	230	25,4/22,23	8,0	1	10	5900855024945

PO150

DIAMOND SAW BLADES GRES-TECH TYPE

for power tools



EXECUTION & TECHNICAL INFORMATION:

- special segments with high diamond concentration guarantee long saw blade life
- saws are excellent for cutting hard materials like: gres, granite, marble
- used in angle grinders and other high-speed table cut-off machines

INDEX						
	mm	mm	mm	pcs	pcs	
PO150-0115-0001	115	22,23	7,5	1	10	5900855098793
PO150-0125-0001	125	22,23	7,5	1	10	5900855098809
PO150-0180-0001	180	25,4/22,23	7,5	1	10	5900855117289
PO150-0200-0001	200	25,4/22,23	8,0	1	10	5900855098816
PO150-0230-0001	230	25,4/22,23	8,5	1	10	5900855098823



PO170







DIAMOND SAW BLADES GAL-TECH CR TYPE

for power tools



EXECUTION & TECHNICAL INFORMATION:

- continuous diamond rim with galvanic applied diamond
- **saws with side rims protecting disc from too quick wear**
- **side rim enables smooth surfaces of cut material**
- designed for cutting epoxy materials, glass fabrics, laminates, polycarbonate etc.
- used in angle grinders and other high-speed table cut-off machines

INDEX						
	mm	mm	mm	pcs	pcs	
PO170-0125-0001	125	22,23	3,0	1	10	5900855025065

PO175







DIAMOND SAW BLADES GAL-TECH TYPE

for power tools



EXECUTION & TECHNICAL INFORMATION:

- continuous diamond rim with galvanic applied diamond
- **saws with side rims protecting disc from too quick wear**
- high quality of cut material
- saws designed for cutting glass fabrics, plastics, laminates, polycarbonate boards etc.
- used in angle grinders and other high-speed table cut-off machines

INDEX						
	mm	mm	mm	pcs	pcs	
PO175-0180-0001	180	22,23	3,0	1	10	5900855064101

PD110

DIAMOND SAW BLADES DI-TECH PLUS

for old concrete wet cutting



EXECUTION & TECHNICAL INFORMATION:

- saws equipped with diamond segments with high diamond concentration, proper grain size and type and ground mass hardness – **guarantee high efficiency in cutting**
- standard diamond height 12 mm**
- laser cut disc

APPLICATION:

- used for old concrete wet cutting
- they are recommended to be used with cutting machines of rigid and solid construction, preferably of significant body mass to ensure stable, even and straight cut
- taking into consideration long life and proper work of the saws the cut-off machines should be equipped with a cooling system (a container with a pump feeding the coolant under pressure)

INDEX								
	mm	mm	mm	mm			pcs	
PD110-0350-0001	350	25,4	3,2	2,2	21	1		5900855023344

Legend: Saw blade has driving holes: 1 x 4/50 + 1 x 12/57.

PD115

DIAMOND SAW BLADES DI-TECH PLUS

for fresh concrete wet cutting



EXECUTION & TECHNICAL INFORMATION:

- saws equipped with diamond segments with high diamond concentration, proper grain size and type and ground mass hardness – **guarantee high efficiency in cutting**
- standard diamond height 12 mm**
- laser cut disc

APPLICATION:

- used for **fresh concrete** wet cutting
- they are recommended to be used with cutting machines of rigid and solid construction, preferably of significant body mass to ensure stable, even and straight cut
- taking into consideration long life and proper work of the saws the cut-off machines should be equipped with a cooling system (a container with a pump feeding the coolant under pressure)

INDEX							
	mm	mm	mm	mm		pcs	
PD115-0350-0003	350	25,4	3,2	2,2	(24+4)	1	5900855101523

Legend: Saw blade has driving holes: 1 x 4/50 + 1 x 12/57.

PD190

DIAMOND SAW BLADES DI-TECH PLUS

for asphalt wet cutting



EXECUTION & TECHNICAL INFORMATION:

- saws equipped with diamond segments with high diamond concentration, proper grain size and type and ground mass hardness – **guarantee high efficiency in cutting**
- standard diamond height 12 mm**
- oblique segments protect disc from too quick wear
- laser cut disc

APPLICATION:

- used for asphalt wet cutting
- they are recommended to be used with cutting machines of rigid and solid construction, preferably of significant body mass to ensure stable, even and straight cut
- taking into consideration long life and proper work of the saws the cut-off machines should be equipped with a cooling system (a container with a pump feeding the coolant under pressure)

INDEX							
	mm	mm	mm	mm		pcs	
PD190-0350-0002	350	25,4	3,2	2,2	(18+3)	1	5900855070782

Legend: Saw blade has driving holes: 1 x 4/50 + 1 x 12/57.



WB010

DRILL BITS – SHORT

for masonry and concrete



EXECUTION & TECHNICAL INFORMATION:

- drill bits for masonry and concrete
- drilling short holes (for pegs e.g.)
- used in traditional rotary and hammer drills
- drill bits with cylindrical shank, KWPn type

INDEX						
	mm	mm	mm	pcs	pcs	
WB010-0004-0001	4	75	40	1	12	5900855041096
WB010-0005-0002	5	85	50	1	12	5900855070997
WB010-0006-0001	6	100	57	1	12	5900855041119
WB010-0008-0001	8	120	77	1	12	5900855041133
WB010-0010-0001	10	120	77	1	12	5900855041157
WB010-0012-0001	12	150	85	1	12	5900855041164
WB010-0014-0001	14	150	90	1	12	5900855041171
WB010-0016-0001	16	150	90	1	6	5900855041188
WB010-0018-0001	18	160	100	1	4	5900855041195
WB010-0020-0001	20	160	100	1	5	5900855041201

**KW030
KW060
KW070**

SETS OF DRILL BITS – SHORT

for masonry and concrete



EXECUTION & TECHNICAL INFORMATION:

- drill bits for masonry and concrete
- drilling short holes (for pegs e.g.)
- used in traditional rotary and hammer drills
- drill bits with cylindrical shank, KWPn type

INDEX					
	mm		set	set	
KW030-5-10-0002	5 x 85, 6 x 100, 8 x 120, 10 x 120		1	6	5900855078818
KW060-3-10-0001	3 x 75, 4 x 75, 5 x 85, 6 x 100, 7 x 100, 8 x 120, 9 x 120, 10 x 120		1	6	5900855078825
KW070-4-10-0001	4 x 75, 5 x 85, 6 x 100, 8 x 120, 10 x 120		1	6	5900855078832

WB040

DRILL BITS – LONG

for masonry and concrete



EXECUTION & TECHNICAL INFORMATION:

- drill bits for masonry and concrete
- used for drilling deep and through holes
- drill bits with cylindrical shank, KWPs type

INDEX						
	mm	mm	mm	pcs	pcs	
WB040-0006-0001	6	200	135	1	12	5900855041898
WB040-0008-0001	8	200	135	1	12	5900855041904
WB040-0008-0002	8	300	220	1	12	5900855041911
WB040-0008-0003	8	400	300	1	12	5900855041928
WB040-0010-0001	10	200	135	1	12	5900855041942
WB040-0010-0002	10	300	220	1	12	5900855041959
WB040-0010-0003	10	400	300	1	12	5900855041966
WB040-0012-0001	12	200	135	1	12	5900855041980
WB040-0012-0002	12	300	220	1	12	5900855041997
WB040-0012-0003	12	400	300	1	6	5900855042000
WB040-0014-0002	14	300	220	1	12	5900855042031
WB040-0014-0001	14	400	300	1	8	5900855042024
WB040-0016-0001	16	300	220	1	12	5900855042055
WB040-0016-0002	16	400	300	1	–	5900855042062
WB040-0018-0002	18	300	220	1	–	5900855042093
WB040-0018-0001	18	400	300	1	–	5900855042086
WB040-0020-0001	20	300	220	1	–	5900855042116
WB040-0020-0002	20	400	300	1	–	5900855042123

WB050

SDS+ DRILL BITS

for masonry and concrete



EXECUTION & TECHNICAL INFORMATION:

- used for drilling short, deep and through holes
- excellent for drilling in walls, concrete and natural stone
- SDS+ shank enables fast bit replacement
- special profiled 4-flutes spiral -> faster yield removal
- only for drilling machines with SDS+ grip

INDEX				pcs	pcs	
	mm	mm	mm			
WB050-0005-0003	5	110	45	1	12	5900855042239
WB050-0005-0004	5	160	95	1	12	5900855042246
WB050-0006-0004	6	110	45	1	12	5900855042284
WB050-0006-0005	6	160	95	1	12	5900855042291
WB050-0006-0006	6	210	140	1	12	5900855042307
WB050-0008-0006	8	110	45	1	12	5900855042413
WB050-0008-0007	8	160	95	1	12	5900855042420
WB050-0008-0008	8	210	140	1	12	5900855042437
WB050-0008-0009	8	260	185	1	12	5900855042444
WB050-0008-0010	8	350	270	1	12	5900855064194
WB050-0010-0008	10	110	45	1	12	5900855042543
WB050-0010-0009	10	160	95	1	12	5900855042550
WB050-0010-0010	10	210	140	1	12	5900855042567
WB050-0010-0011	10	260	185	1	12	5900855042574
WB050-0010-0012	10	310	230	1	12	5900855042581
WB050-0010-0013	10	350	270	1	12	5900855064200
WB050-0010-0014	10	450	350	1	6	5900855064217
WB050-0012-0008	12	160	95	1	12	5900855042673
WB050-0012-0009	12	210	140	1	12	5900855042680
WB050-0012-0010	12	260	185	1	12	5900855042697
WB050-0012-0011	12	310	230	1	12	5900855042703
WB050-0012-0012	12	350	270	1	12	5900855064224
WB050-0012-0013	12	450	350	1	6	5900855064231
WB050-0014-0002	14	160	95	1	12	5900855042796
WB050-0014-0003	14	210	140	1	12	5900855042802
WB050-0014-0001	14	260	185	1	12	5900855042789
WB050-0014-0004	14	310	230	1	12	5900855042819
WB050-0014-0008	14	350	270	1	12	5900855064248
WB050-0014-0009	14	450	350	1	6	5900855064255
WB050-0014-0007	14	600	500	1	4	5900855042840
WB050-0016-0005	16	210	140	1	6	5900855042963
WB050-0016-0004	16	260	185	1	6	5900855042956
WB050-0016-0006	16	310	230	1	6	5900855042970
WB050-0016-0008	16	350	270	1	6	5900855064262
WB050-0016-0009	16	450	350	1	6	5900855064279
WB050-0016-0003	16	600	500	1	4	5900855042949
WB050-0018-0001	18	310	230	1	6	5900855064286
WB050-0018-0002	18	450	350	1	4	5900855064293
WB050-0020-0001	20	310	230	1	6	5900855064309
WB050-0020-0002	20	450	350	1	4	5900855064330
WB050-0022-0001	22	450	350	1	4	5900855064316

KW050

SETS OF SDS+ DRILL BITS

for masonry and concrete



EXECUTION & TECHNICAL INFORMATION:

- special profiled 4-flutes spiral -> faster yield removal
- only for drilling machines with SDS+ grip
- used for drilling short, deep and through holes
- excellent for drilling in walls, concrete and natural stone
- SDS+ shank enables fast bit replacement

INDEX		set	set	
	mm			
KW050-5-10-0001	5, 6x110 i 8, 10x160	1	6	5900855074056
KW050-5-10-0002	5, 6x110 i 6, 8, 10x160	1	6	5900855074063

ND030**SDS+ SHANK CHISELS**

for masonry and concrete








SDS+ type

EXECUTION & TECHNICAL INFORMATION:

- made from high quality hardened alloy steel with excellent properties and high abrasion resistance

APPLICATION:

- sharp cutting edges provide high chisel operational efficiency
- used for forging and crushing of constructional materials like: concrete, brick, natural stone etc.

INDEX					
	mm	mm	pcs	pcs	
ND030-0025-0001	25	250	1	3	5900855064392
ND030-0040-0001	40	250	1	3	5900855064408

NG010**SDS+ SHANK POINT CHISELS**

for masonry and concrete







SDS+ type

EXECUTION & TECHNICAL INFORMATION:

- made from high quality hardened alloy steel with excellent properties and high abrasion resistance

APPLICATION:

- sharp cutting edges provide high shank point chisel operational efficiency
- used for forging and crushing of constructional materials like: concrete, brick, natural stone etc.

INDEX				
	mm	pcs	pcs	
NG010-0250-0001	250	1	3	5900855019248

NB010**SDS+ SHANK GROOVERS**

for masonry and concrete








SDS+ type

EXECUTION & TECHNICAL INFORMATION:

- made from high quality hardened alloy steel with excellent properties and high abrasion resistance

APPLICATION:

- sharp cutting edges provide high shank groover operational efficiency
- used in e.g. cutting large gaps in constructional materials like: concrete, brick, natural stone etc.

INDEX					
	mm	mm	pcs	pcs	
NB010-0022-0001	22	250	1	3	5900855019217



KY100

CIRCULAR KNIVES

for paper cutting







NCV1

**EXECUTION & TECHNICAL INFORMATION:**

- made from high quality tool steel with thermal treatment
- special geometry of blade edge ensures considerable knife functional advantages

APPLICATION:

- designed for **paper cutting (cellulose and old paper)**
- knives used on paper industry specific machines

INDEX				number of bevels			
	mm	mm	mm		mm	pcs	
KY100-0610-0002	610	60	4,2	2	220	1	5900855045223
KY100-0610-0003	610	60	4,5	2	220	1	5900855045230
KY100-0610-0004	610	60	4,8	2	220	1	5900855045247

KZ210

CIRCULAR KNIVES

for the tobacco industry

NCV1

**EXECUTION & TECHNICAL INFORMATION:**

- special knives with proper design of blade edge -> two side bevel
- symmetrical teeth

APPLICATION:

- for tobacco cutting

KZ210
KZ220**CIRCULAR KNIVES**

for armoured hoses

HSS

NCV1

**EXECUTION & TECHNICAL INFORMATION:**

- special knives with proper design of blade edge -> two side bevel
- made from material HSS or NCV1

APPLICATION:

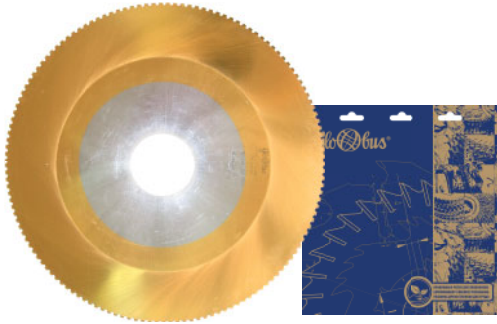
- used for cutting of rubber hoses with wire gauze and hydraulic hose

KZ210

CIRCULAR KNIVES

for rubber hoses cutting

HSS



EXECUTION & TECHNICAL INFORMATION:

- special knives with proper design of blade edge (two side bevel) and cuts on circumference
- made from HSS
- coated with TiN

APPLICATION:

- for production cutting of rubber seals with reinforcing aluminium or steel insert
- TiN coating prevents from rubber adhering to the knife

INDEX						coating		
	mm	mm	mm	mm			pcs	
KZ210-0250-0021	250	50	1,8	168	140	TiCN	1	5900855116039

Legend: ○ – to order

IMPORTANT:

- min. order quantity: 5 pcs
- diameter range 50-400 mm

**KX010
KX220
PS910**

HM-TIPPED CIRCULAR KNIVES

for rock and mineral wool cutting

HM B



EXECUTION & TECHNICAL INFORMATION:

- blade edges made from sintered carbide ensure the longest tool life

APPLICATION:

- designed for group work in special mineral wool production lines
- use of best quality materials and advanced production technology ensure high tool quality

INDEX						geometry			
	mm	mm	mm	mm			ilxd _h /d _p	pcs	
KX010-0300-0001	300	190	–	3,0/3,0	–	–	19x6,5/220	1	5900855061759
KX010-0300-0002	300	50	–	3,0/3,0	–	–	4x10,5/115	1	5900855091909
KX010-0920-0001	920	40	–	3,0/3,0-6,0	–	–	–	1	5900855046428
KX220-0900-0001	900	52	–	4,5	–	–	–	1	5900855101134
PS910-0150-0001	150	22	1,5	1,2	18	GS	–	1	5900855087605
PS910-0150-0002	150	22	1,8	1,2	18	GM	–	1	5900855087612
KX015-0600-0001	600	76	3,5	3,0	60	Squares	1x8,4/110	1	5900855035767
PS910-0650-0005	650	90	4,2	3,0	57+3	2GS	2x6/110	1	5900855060318
PS910-0750-0001	750	105	8,0	4,5	120	GS	4x13/170	1	5900855035798
PS910-0750-0003	750	105	6,0	4,5	120	GS	4x13/170	1	5900855035811
PS910-0750-0005	750	105	6,2	4,5	180	GS	4x13/170	1	5900855060325
KX015-0900-0001	900	52	4,0	3,0-6,0	90	Squares	6x10/82	1	5900855086868

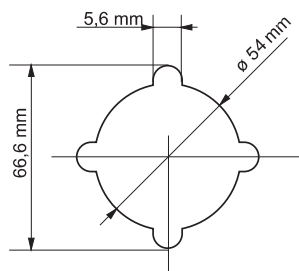
Legend: ○ – to order d_h – driver hole dia d_p – hole pitch dia



PS710

HM-TIPPED CIRCULAR SAW BLADES

for meat cutting



EXECUTION & TECHNICAL INFORMATION:

- special saws with teeth geometry GS 6°
- disc made from stainless steel

APPLICATION:

- for meat cutting in meat processing
- mostly used in hand power tools

INDEX								
	mm	mm	mm	mm			pcs	
○ PS710-0180-0002	180	30	1,8	1,5	36	W	1	5900855034319
○ PS710-0250-0004	250	52 keyway	1,7	1,5	46	W	1	5900855092258

Legend:

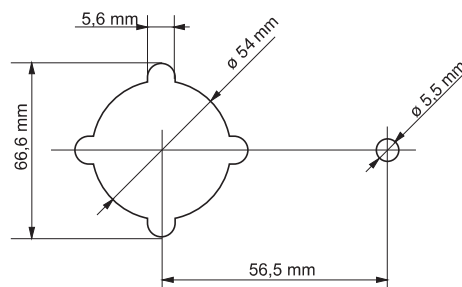
○ – to order

INFO: W – silencing type, min. order quantity – 5 pcs

PT300

ORDINARY CIRCULAR SAW BLADES

for meat cutting



EXECUTION & TECHNICAL INFORMATION:

- circular saws with tothing KB 3°
- disc made from stainless steel

APPLICATION:

- for meat cutting in meat processing
- mostly used in hand power tools

INDEX						
	mm	mm	mm		pcs	
○ PT300-0180-0001	180	30	1,5	96	1	5900855040891
○ PT300-0200-0001	200	30	1,5	180	1	5900855049016
○ PT300-0230-0006	230	52 keyway	1,5	96	1	5900855092265
○ PT300-0250-0003	250	54 keyway	1,5	96	1	5900855040969

Legend:

○ – to order

INFO: W – silencing type, min. order quantity – 5 pcs

BW110 BLADES

for meat cutting








EXECUTION & TECHNICAL INFORMATION:

- blades made from stainless steel

APPLICATION:

- for meat cutting on special machines

INDEX					
	mm	mm	mm	pcs	
○ BW110-0710-0001	710	50	2,0	1	5900855002370

Legend: ○ – to order
INFO: min. order quantity – 5 pcs

BW120 BLADES

for meat cutting








EXECUTION & TECHNICAL INFORMATION:

- blades made from stainless steel

APPLICATION:

- for meat cutting on special machines

INDEX					
	mm	mm	mm	pcs	
○ BW120-0820-0001	820	67,5	2,0	1	5900855002387

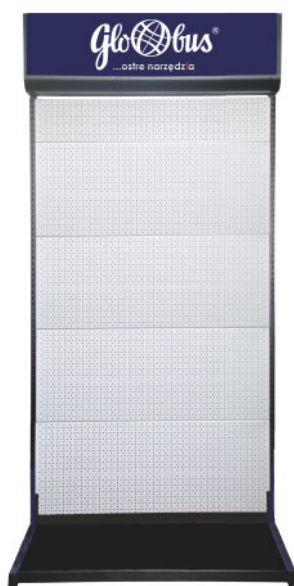
Legend: ○ – to order
INFO: min. order quantity – 5 pcs



CHAPTER V
TOOLS DISPLAY SYSTEMS

MW011

STANDARD RACK



MW011-003



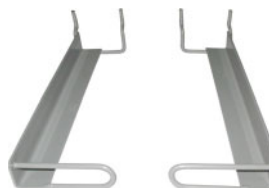
MW011-005



MW011-006



MW011-008



MW010-015



MW010-016

INDEX	info
MW011-001	Rack for tools GLOBUS (wide – 1 m)
MW011-003	Shelf for rack (wide – 1 m)
MW011-005	Single hook – 180 mm
MW011-006	Double hook with hanger – 180 mm
MW011-008	Plate for hook with hanger – 180 mm
MW010-015/MW012-010	Set of hangers for cutters, cutterheads (L=20 cm), under boxes – standard rack
MW010-016/MW012-011	Set of hangers for cutters, cutterheads (L=25 cm), under boxes – standard rack

MW012

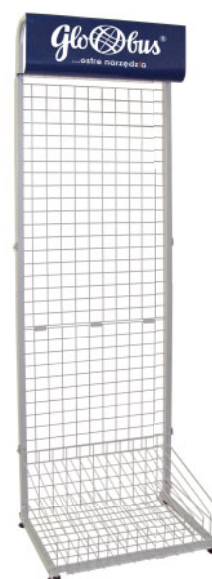
HANGERS AND PARTITION PLATES FOR STANDARD RACK



INDEX	info
MW012-020	Hangers with partition plates for GLOBUS tools – rack 1 m (MW011-001)
MW012-021	Bar + hangers for bar for GLOBUS tools – rack 1 m (MW011-001)

MW010

STANDARD RACK (NARROW)



INDEX	info
MW010-011	GLOBUS tool rack (mesh, narrow – 0.5 m) + set of hangers (40 pcs)

MW010 **STANDARD RACK**
(TRIANGULAR, MOBILE)



INDEX	info
MW010-007	GLOBUS tool rack (triangular-mobile – 0.5 m) + set of hangers (50 pcs)

MW010 **RACK FOR HM SAW BLADES**
FOR POWER TOOLS



INDEX	info
MW010-005	Rack for saw blades for power tools – dimension: 45 x 30 x 75 cm (W x D x H)

MW010 **RACK FOR LARGE DIAMETER**
CIRCULAR SAW BLADES



MW010-018



MW010-026

INDEX	info
MW010-018	Large diameter circular saw blade racks – dimension: 95 x 51 x 50 cm (W x D x H)
MW010-026	Large diameter circular saw blade racks – double-breasted – dimension: 95 x 51 x 120 cm (W x D x H)

MW010 **RACK FOR SHAPER CUTTERS**
AND PROFILE CUTTERHEADS



INDEX	info
MW010-019	Rack for shaper cutters and cutterheads – dimension: 43 x 30 x 190 cm (W x D x H)

MW010

RACK FOR ROUTER BITS



INDEX	info
MW010-017	Rack for router bits – dimension: 45 x 26 x 68 cm (W x D x H)

MW010

RACK FOR BLADES



INDEX	info
MW010-009	Rack for hacksaw blades, for jigsaw blades – dimension: 37 x 37 x 85 cm (W x D x H)

MW010

RACK FOR DIAMOND SAW BLADES FOR POWER TOOLS



INDEX	info
MW010-005	Shelves for diamond saw blades for power tools – dimension: 45 x 30 x 75 cm (W x D x H)

MW010

RACK FOR DRILL BITS FOR MASONRY AND CONCRETE



INDEX	info
MW010-001	Rack for cylindrical drill bits, SDS+ – dimension: 45 x 50 x 75 cm (W x D x H)



HEADQUARTERS

POLAND

Fabryka Pił i Narzędzi WAPIENICA Sp. z o.o.

ul. T. Regeera 30
43-382 Bielsko-Biała
Centrala: +48 33 82 80 800
Fax: +48 33 48 715 01
e-mail: wapienica@wapienica.pl
www.globus-wapienica.eu

<p>БЪЛГАРИЯ Koelner България ЕООД 1330 София, Бизнес център „Сердика”, бул. Акад. Иван Гешов 2Е, сграда 3, ет.2 офис 206-А тел./факс: 02/973 21 72 e-mail: clients@koelner.bg</p>	<p>SLOVAKIA KOELNER Slovakia, s.r.o. Dlhá 95 010 09 Žilina Tel./Fax: +421 41/5003 900 Objednávky: +421 948 704 901 objednavky@koelnersk.sk info@koelnersk.sk www.koelnersk.sk</p>	<p>UNITED KINGDOM Rawlplug Ltd Skibo Drive Thornliebank Industrial Estate Glasgow G46 8JR tel.: +44(0) 141 638 79 61 fax: +44(0) 141 638 73 97 e-mail: rawlinfo@rawlplug.com www.rawlplug.co.uk, www.rawlplug.com</p>	<p>SWEDEN Rawl Scandinavia AB Baumansgatan 4 S-593 32 Västervik mob. +46(0)702 311 176 e-mail: karol.janowicz@koelner.pl</p>
<p>HUNGARY Koelner Hungária Kft. Jedlik Ányos u. 34 2330 Dunaharaszti tel.: +36 24 520 400 fax: +36 24 520 401 e-mail: info@koelner.hu www.koelner.hu</p>	<p>CZECH REPUBLIC Koelner CZ s.r.o Komerční Park Tulipan Palackého 1154/76a (hala T3) 702 00 Ostrava-Přívov tel.: +420 596 636 397 fax: +420 596 636 398 e-mail: info@koelner.cz www.koelner.cz</p>	<p>RUSSIA ООО „Koelner Trading KLD” ul. 4-ya Bolshaya Okruzhnaya 1A 236009 Kaliningrad tel.: +7 412 573 834 +7 412 573 836 fax: +7 412 573 880</p>	<p>GERMANY Koelner Deutschland GmbH Lutherstr. 54 73614 Schorndorf tel.: +49(0) 71 81 97 77 20 fax : +49(0) 71 81 97 77 222</p>
<p>IRELAND Rawlplug Ireland Limited Unit 10 Donore Buisness Park Donore Road Drogheda Co Louth tel.: +353 01 625 19 50 fax: +353 01 625 19 48 e-mail: custserv@rawlplug.ie www.rawlplug.ie</p>	<p>FRANCE RAWL France ZI Mityr-Compans 12-14 Rue Marc Seguin 77290 Mityr-Mory tel.: +33(0)1 60 21 50 20 fax: +33(0)1 64 67 19 84 e-mail: rawl@rawl.fr www.rawl.fr</p>	<p>ROMANIA Koelner Romania SRL Str. Drumul intre Tarlale nr: 160-174, sec. 3, Logistic Apollo Center 032982 Bucuresti tel.: 031 225 20 94 e-mail: comanda@koelner.ro</p>	<p>LITHUANIA UAB Koelner Vilnius Žarijų g. 2 LT-02300, Vilnius tel.: +370 5 2324862 fax: +370 5 2324933 www.koelner.lt</p>
<p>UKRAINE Koelner Ukraine vul. Naukova 3a 79060 Lviv www.koelner.ua</p>	<p>KAZAKHSTAN KOELNER KAZAKHSTAN LTD Suyunbaya 50 tel.: +7 7272 3821749 fax: +7 7272 3821884</p>	<p>UNITED ARAB EMIRATES Koelner-Rawlplug Middle East FZE P.O. Box 261024 Jebel Ali Free Zone, Dubai tel.: +971 4 8839501 fax: +971 4 8839502 e-mail: dubai@rawlplug.co.uk</p>	<p>REPUBLIC OF SOUTH AFRICA T&I Chalmers Engineering (RTY) LTD. 20 Wynberg Road Kew 2192 tel.: 011 887 85 33 fax: 011 887 42 56 e-mail: info@tichalmers.co.za www.tichalmers.co.za</p>

Globus®

RAWLPLUG KOELNER Globus® MODECO

FPIN WAPIENICA Sp. z o.o. ■ ul. T. Regera 30 ■ 43-382 Bielsko-Biala ■ tel. +48 33 82 80 800 ■ fax +48 33 48 71 501
wapienica@wapienica.pl ■ www.globus-wapienica.eu