

INDEXABLE MILLING



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Milling inserts









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ANGX-GM	ANGX-LH	APKT-ALH	APKT-APF	APKT-APM	APKT-LH	APKT-NM	APKT-PF	
11 15	11 15	11 16	11 16	07 11 16	11 16	11	11 16	Edge length
B124, B126, B128, B130, B132	B124, B126, B128, B130, B132	B104, B107, B111, B114, B116, B202, B213	B104, B107, B111, B114, B116, B202, B213	B104, B107, B111, B114, B116, B202, B213	B104, B107, B111, B114, B116, B202, B213	B104, B107, B111, B114, B116, B202, B213	B104, B107, B111, B114, B116, B202, B213	Page

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APKT-PM/PR	APKT-XR	APMT	CNE-A/B	HNEX-DR	HNGX-HDR	HNGX-MR	LNCX	
11 15 16	11	11 16	12	09	09	09	18	Edge length
B104, B107, B111, B114, B116, B202, B213	B104, B107, B111, B114, B116, B202, B213	B118	B174	B64	B218	B218	B220	Page

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LNE32.534	LNKT-GL	LNKT-GM	LNKT-ZR	MPHT-DM	ODHT-GH	ODHT-GL	ODHT-GM	
	08 12 16	08 12 16	12 15 20 25	06 08 12	06	06	06	Edge length
B219	B120, B122	B120, B122	B66, B73, B80	B156, B158, B176	B47	B47	B47	Page

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ODHT-LH	ODMT-GM	OFKR-DF	OFKR-DM	OFKR-LH	OFKT-DF	OFKT-DM	OFKT-LH	
06	06	07	07	07	05	05	05	Edge length
B47	B47	B45	B45	B45	B43	B43	B43	Page

								
ONHU-CM	ONHU-GH	ONHU-GL	ONHU-GM	ONHU-PF	ONHU-PM	PNEG-CF	PNEG-CM	
06 08	06	06	06 08	06 08	06 08	11	11	Edge length
B49, B51	B56	B56	B56	B49, B51	B49, B51	B59, B61	B59, B61	Page








								
PNEG-CR	PNEG-PF	PNEG-PM	PNEG-PR	RCKT-DM	RCKT-DR	RCKT-ER	RCKT-NM	
11	11	11	11	10 12 16 20	12 16 20	12 16 20	12 16 20	Edge length
B59, B61	B58, B61	B58, B61	B58, B61	B89, B92	B89, B92	B89, B92	B89, B92	Page









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RDKT-MM	RDKW	ROHX	SDMT	SDMT-DM	SDMT-NM	SDMT-PM	SEEN	
10 12	07 08 10 12 16 20	12 16 20	09	06 09 12 15	09 12	06 09 12 15	12	Edge length
B95, B99, B205	B95, B99, B205	B137	B135	B164, B167, B198, B211	B164	B164, B167, B198, B211	B41	Page









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SEET-APF	SEET-APM	SEET-APR	SEET-CF	SEET-CM	SEET-CR	SEET-DF	SEET-DM	
09 12	09 12	09 12	12	12	12	12	12 18	Edge length
B77	B77	B77	B35, B37	B35, B37	B35, B37	B35, B37	B35, B37	Page

								
SEET-DR	SEET-EF	SEET-EM	SEET-LH	SEET-PF	SEET-PM	SEET-PR	SEET-W	
12	12	12	12	09 12	09 12	09 12	12	Edge length
B35, B37	B35, B37	B35, B37	B35, B37	B77	B77	B77	B34, B37	Page

								
SEKN	SEKR	SNEG-E	SNEG-GM	SNEG-GR	SNEG-HGR	SNEG-W	SNKN	
12 15	12	15	12 15	12 15 19	15	12	12 15	Edge length
B40	B41	B53	B53	B53	B53	B54	B221	Page

								
SPCN	SPGN	SPKN	SPKR	SPKR-GM	SPKT	SPKW	SPMR	
12 15	12	12 15	12	12 15	12	12	09 12	Edge length
B222	B225	B70	B71	B71	B68	B68	B223	Page

								
SPMT	SPMT-HT	SPMT-KT	SPMT-PM	SPUN	TPKN	TPMR	TPUN	
06 09 12	09 12	06	12	12 15	16 22	11 16 22	11 16 22	Edge length
B135, B184, B186, B188, B190, B192, B194	B224	B135, B224	B178, B180, B182	B225	B75, B226	B227	B227	Page

								
WPGT	WPGT-PM	XEEC	XPHT-GM	XSEQ	ZDET	ZDET-PM	ZOHX-GF	
05 06 08 09	05 06 08 09	12	16 20 25 30 32 40 50	12	08 11	13	12 16 20 25 30 32	Edge length
B169, B171, B200	B169, B171, B200	B87	B139, B141, B143, B145, B196	B152, B154	B134	B134	B147, B149, B209	Page

								
ZOHX-GM	ZPNT							
12 16 20 25 30 32	22							Edge length
B147, B149, B209	B134							Page

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










Face milling

Series	Milling body	Inserts	Kr	Application						Features	Page
				P	M	K	N	S	H		
FMA01		 SEET12T3 SEET18T6	45°	✓	✓	✓	✓	✓		<ul style="list-style-type: none"> • Diameter range Ø50 – 315 mm • For steel, stainless steel, cast iron, non-ferrous metals and heatresistant alloys • Milling cutter with positive, soft cutting geometry • Wiper inserts for good surface quality 	B33
FMA02		 SEET12T3	45°	✓	✓	✓	✓	✓		<ul style="list-style-type: none"> • Diameter range Ø50 – 125 mm • For steel, stainless steel, cast iron, non-ferrous metals and heatresistant alloys • Milling cutter with positive, soft cutting geometry • Wide pitch 	B36
FMA03		 SEEN1203 SEKN1203 SEKR1203 SEKN1504 SEKR1504	45°	✓	✓	✓	✓			<ul style="list-style-type: none"> • Diameter range Ø80 – 315 mm • For steel, stainless steel and cast iron • Milling cutter with positive, soft cutting geometry • Wedge clamping 	B39
FMA04		 OFKT05T3	45°	✓	✓	✓	✓			<ul style="list-style-type: none"> • Diameter range Ø50 – 160 mm • For steel, stainless steel, cast iron and non-ferrous metals • Inserts with eight cutting edges • Screw clamping 	B42
FMA04		 OFKR0704	45°	✓	✓	✓	✓			<ul style="list-style-type: none"> • Diameter range Ø125 – 315 mm • For steel, stainless steel, cast iron and non-ferrous metals • Inserts with eight cutting edges • Wedge clamping 	B44
FMA04		 OD*T0605**	45°	✓	✓	✓	✓			<ul style="list-style-type: none"> • Diameter range Ø50 – 160 mm • For steel, stainless steel, cast iron and non-ferrous metals • Inserts with eight cutting edges • Screw clamping 	B46

✓ Very suitable ✓ Suitable

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Series	Milling body	Inserts	Kr	Application						Features	Page	
				P	M	K	N	S	H			
FMA07		 ONHU0604 ONHU08T5	45°	✓		✓				✓	<ul style="list-style-type: none"> • Diameter range Ø25 – 50 mm • For steel and cast iron • Inserts with 16 cutting edges 	B48
FMA07		 ONHU0604 ONHU08T5	45°	✓		✓				✓	<ul style="list-style-type: none"> • Diameter range Ø40 – 315 mm • For steel and cast iron • Inserts with 16 cutting edges 	B50
FMA11		 SNEG1205 SNEG1506 SNEG1907	45°	✓	✓	✓			✓		<ul style="list-style-type: none"> • Diameter range Ø63 – 315 mm • For steel, stainless steel and cast iron • Inserts with eight cutting edges • Double sided, thicker inserts for high stability and deeper cutting depths • Wiper geometry for good surface quality • Normal and fine pitch 	B52
FMA12		 ON*U0604** ONHU08T6	45°	✓	✓	✓			✓		<ul style="list-style-type: none"> • Diameter range Ø63 – 315 mm • For steel, stainless steel and cast iron • Inserts with 16 cutting edges 	B55
FMD02		 PNEG1105	67°	✓	✓	✓					<ul style="list-style-type: none"> • Diameter range Ø50 – 315 mm • For steel, stainless steel and cast iron • Inserts with ten cutting edges • Wedge clamping or screw clamping • Normal and fine pitch 	B57
FMD02		 PNEG1105	67°			✓					<ul style="list-style-type: none"> • Diameter range Ø50 – 315 mm • For steel, stainless steel and cast iron • Inserts with ten cutting edges • Wedge clamping or screw clamping • Normal and fine pitch 	B60

✓ Very suitable ✓ Suitable

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				P	M	K	N	S	H			
FMD02		 HNEX0905	55°			✓					<ul style="list-style-type: none"> Diameter range Ø80 – 315 mm For cast iron Wedge clamping Inserts with twelve cutting edges 	B63
FMD03		 LNKT2007-ZR LNKT2510-ZR	60°	✓		✓					<ul style="list-style-type: none"> Diameter range Ø100 – 400 mm For steel, stainless steel and cast iron Tangential insert with four cutting edges Heavy duty machining for high cutting depths Screw clamping 	B65
FME02		 SPKT1204 SPKW1204	75°	✓	✓	✓					<ul style="list-style-type: none"> Diameter range Ø50 – 125 mm For steel and cast iron Screw clamping 	B67
FME03		 SPKN1203 SPKR1203 SPEX1203 SPKN1504 SPKR1504 SPEX1504	75°	✓	✓	✓					<ul style="list-style-type: none"> Diameter range Ø80 – 400 mm For steel and cast iron Wedge clamping 	B69
FME04		 LNKT1506-ZR	75°	✓		✓					<ul style="list-style-type: none"> Diameter range Ø125 – 315 mm For steel, stainless steel and cast iron Tangential insert with four cutting edges Heavy duty machining for high cutting depths Screw clamping 	B72
FMP01		 TPKN2204	90°	✓	✓	✓			✓		<ul style="list-style-type: none"> Diameter range Ø80 – 315 mm For steel, stainless steel and cast iron Milling cutter with positive, soft cutting geometry Wedge clamping 	B74

✓ Very suitable ✓ Suitable

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FMP02		 SEET09T3 SEET1203	90°	✓	✓	✓	✓	✓		<ul style="list-style-type: none"> • Diameter range Ø50 – 315 mm • For steel, stainless steel, cast iron an non-ferrous metals • Screw clamping 	B76
FMP03		 LNKT120608-ZR LNKT1506EN-ZR LNKT2007DN-ZR LNKT2510-ZR	89°	✓		✓				<ul style="list-style-type: none"> • Diameter range Ø50 – 315 mm • For steel, stainless steel and cast iron • Tangential insert with four cutting edges • Screw clamping 	B79
FMP12		 WNHU0604 WNHU0806	90°	✓		✓				<ul style="list-style-type: none"> • Diameter range Ø50 – 315 mm • For steel, stainless steel and cast iron • Tangential insert with four cutting edges • Screw clamping 	B81
FMP12		 WNHU0604	90°	✓		✓				<ul style="list-style-type: none"> • Diameter range Ø50 – 315 mm • For steel, stainless steel and cast iron • Tangential insert with four cutting edges • Screw clamping 	B83
FMWX		 XEEC1209		✓		✓				<ul style="list-style-type: none"> • Diameter range Ø50–125 mm • High feed finishing cutters for steel and cast materials • Inserts with four cutting edges • Reserve insert seats for increased safety • The milling body is only equipped with two opposing inserts 	B86
FMR01		 RCKT10T3 RCKT1204 RCGX1204		✓	✓	✓	✓	✓		<ul style="list-style-type: none"> • Diameter range Ø25 – 63 mm • For steel, stainless steel, cast iron, non-ferrous metals and heatresistant alloys • Screw clamping 	B88

✓ Very suitable ✓ Suitable

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FMR02		 RCGX1204 RCKT1204 RCMW1204 RCKT1606 RCKT2006		✓	✓	✓	✓	✓		<ul style="list-style-type: none"> • Diameter range Ø50 – 250 mm • For steel, stainless steel, cast iron, non-ferrous metals and heatresistant alloys • Screw clamping 	B90
FMR03		 RD**0803 RD**10T3 RD**1204		✓	✓	✓			✓	<ul style="list-style-type: none"> • Diameter range Ø15 – 50 mm • For steel, stainless steel and cast iron • Screw clamping • Mould and die industry 	B94
FMR03		 RDKW0702 RDKW1003		✓	✓	✓			✓	<ul style="list-style-type: none"> • Diameter range Ø15 – 50 mm • For steel, stainless steel and cast iron • Screw clamping • Mould and die industry 	B96
FMR04		 RD**1204 RD**1605 RD**2006		✓	✓	✓			✓	<ul style="list-style-type: none"> • Diameter range Ø50 – 200 mm • For steel, stainless steel and cast iron • Screw clamping • Mould and die industry 	B98
FMR04		 RDKW1003 RDKW12T3 RDKW1604		✓	✓	✓			✓	<ul style="list-style-type: none"> • Diameter range Ø42 – 200 mm • For steel, stainless steel and cast iron • Screw clamping • Mould and die industry 	B100

✓ Very suitable ✓ Suitable

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Square shoulder milling

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				P	M	K	N	S	H		
EMP01		 APKT0702 APKT11T3 APKT1604	90°	✓	✓	✓	✓	✓		<ul style="list-style-type: none"> • Diameter range Ø12 – 63 mm • For steel, stainless steel, cast iron, non-ferrous metals and heatresistant alloys • Weldon shank • For square shoulder milling, slot milling and ramping • Milling cutter with positive, soft cutting geometry • Inserts with two cutting edges 	B103
EMP01		 APKT11T3 APKT0702 APKT1604	90°	✓	✓	✓	✓	✓		<ul style="list-style-type: none"> • Diameter range Ø12 – 63 mm • For steel, stainless steel, cast iron, non-ferrous metals and heatresistant alloys • Weldon shank • For square shoulder milling, slot milling and ramping • Milling cutter with positive, soft cutting geometry • Inserts with two cutting edges 	B106
EMP02		 APKT0702 APKT11T3 APKT1604	90°	✓	✓	✓	✓	✓		<ul style="list-style-type: none"> • Diameter range Ø40–250 mm • For steel, stainless steel, cast iron, non-ferrous metals and heat-resistant alloys • For square-shoulder, slot and plunge milling • Milling cutter with positive, soft cutting geometry • INSERTs with two cutting edges 	B109
EMP03		 APKT11T3	90°	✓	✓	✓	✓			<ul style="list-style-type: none"> • Diameter range Ø50–100 mm • For steel, stainless steel, cast iron, non-ferrous metals and heat-resistant alloys • For square-shoulder, slot and plunge milling • Milling cutter with positive, soft cutting geometry • INSERTs with two cutting edges 	B113
EMP04		 APKT11T3	90°	✓	✓	✓	✓			<ul style="list-style-type: none"> • Diameter range Ø20–40 mm • For steel, stainless steel, cast iron, non-ferrous metals and heat-resistant alloys • For square-shoulder, slot and plunge milling • Milling cutter with positive, soft cutting geometry • INSERTs with two cutting edges 	B115
EMP05		 APMT1135	90°	✓	✓	✓				<ul style="list-style-type: none"> • Diameter range Ø25–40 mm • For steel, stainless steel and cast iron • Straight shank • For square-shoulder, slot and plunge milling • Milling cutter with positive, soft cutting geometry • INSERTs with two cutting edges • Machining in z-direction possible 	B117

✓ Very suitable ✓ Suitable

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






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Square shoulder milling

Series	Milling body	Inserts	Kr	Application						Features	Page
				P	M	K	N	S	H		
EMP09		 LNKT0804PNR LNKT1206PNR LNKT1607PNR	90°	✓	✓	✓				<ul style="list-style-type: none"> Diameter range Ø40 – 125 mm Sharp cutting edge geometry combined with robust tangential inserts First choice for large cutting depths with high feed rates. Specially designed cutting edge with high precision control for high quality 90 degree square shoulder milling 	B119
EMP09		 LNKT1206PNR	90°	✓	✓	✓				<ul style="list-style-type: none"> Diameter range Ø40 – 80 mm Sharp cutting edge geometry combined with robust tangential inserts First choice for large cutting depths with high feed rates. Specially designed cutting edge with high precision control for high quality 90 degree square shoulder milling 	B121
EMP13		 ANGX1105 ANGX1506	90°	✓	✓	✓	✓			<ul style="list-style-type: none"> Diameter range Ø40 – 250 mm For steel, cast iron and non-ferrous metals Double sided, thicker inserts for high stability and deeper cutting depths Inserts with four cutting edges 	B123
EMP13		 ANGX1105 ANGX1506	90°	✓	✓	✓	✓			<ul style="list-style-type: none"> Diameter range Ø25 – 40 mm For steel, cast iron and non-ferrous metals Double sided, thicker inserts for high stability and deeper cutting depths Inserts with four cutting edges 	B125
EMP13		 ANGX1105 ANGX1506	90°	✓	✓	✓	✓			<ul style="list-style-type: none"> Diameter range Ø25 – 40 mm For steel, cast iron and non-ferrous metals Double sided, thicker inserts for high stability and deeper cutting depths Inserts with four cutting edges 	B127

✓ Very suitable ✓ Suitable

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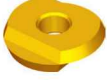


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				P	M	K	N	S	H		
EMP13		 ANGX1105 ANGX1506	90°	✓	✓	✓	✓			<ul style="list-style-type: none"> • Diameter range Ø50 – 80 mm • For steel, cast iron and non-ferrous metals • Double sided, thicker inserts for high stability and deeper cutting depths • Inserts with four cutting edges 	B129
EMP13		 ANGX1105 ANGX1506	90°	✓	✓	✓	✓			<ul style="list-style-type: none"> • Diameter range Ø25 – 40 mm • For steel, cast iron and non-ferrous metals • Double sided, thicker inserts for high stability and deeper cutting depths • Inserts with four cutting edges 	B131

Profile milling

BMR01		 ZDET08T2 & SPMT0603 ZDET1103 & SPMT0603 ZDET13T2 & SDMT0903 ZPNT2204 & SPMT1204		✓	✓	✓				<ul style="list-style-type: none"> • Diameter range Ø20 – 63 mm • For steel, stainless steel and cast iron • Very suitable for roughing of big moulds • Inserts with three cutting edges 	B133
BMR02		 ROHX1203 ROHX1604 ROHX2005		✓	✓	✓				<ul style="list-style-type: none"> • Diameter range Ø12 – 20 mm • For steel, stainless steel and cast iron • Very suitable for finishing in mould and die industry • Inserts with two cutting edges 	B136
BMR03		 XPHT16 XPHT20 XPHT25 XPHT30 XPHT32 XPHT40		✓	✓	✓				<ul style="list-style-type: none"> • Diameter range Ø16 – 40 mm • For steel and cast iron • Very suitable for roughing in mould and die industry • Tool with high stability 	B138

✓ Very suitable ✓ Suitable

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BMR03		 XPHT16 XPHT20 XPHT25 XPHT30 XPHT32 XPHT40 XPHT50		✓	✓	✓				<ul style="list-style-type: none"> • Diameter range Ø16 – 40 mm • For steel and cast iron • Very suitable for roughing in mould and die industry • Tool with high stability 	B140
BMR03		 XPHT20 XPHT25 XPHT30 XPHT32 XPHT40 XPHT50		✓	✓	✓				<ul style="list-style-type: none"> • Diameter range Ø16 – 40 mm • For steel and cast iron • Very suitable for roughing in mould and die industry • Tool with high stability 	B142
BMR03		 XPHT40 XPHT50		✓	✓	✓				<ul style="list-style-type: none"> • Diameter range Ø16 – 40 mm • For steel and cast iron • Very suitable for roughing in mould and die industry • Tool with high stability 	B144
BMR04		 ZOHX12 ZOHX16 ZOHX20 ZOHX25 ZOHX30 ZOHX32		✓	✓	✓				<ul style="list-style-type: none"> • Diameter range Ø12 – 32 mm • For steel, stainless steel and cast iron • Very suitable for finishing in mould and die industry • Inserts with two cutting edges 	B146
BMR04		 ZOHX12 ZOHX16 ZOHX20 ZOHX25 ZOHX30 ZOHX32		✓	✓	✓				<ul style="list-style-type: none"> • Diameter range Ø12 – 32 mm • For steel, stainless steel and cast iron • Very suitable for finishing in mould and die industry • Inserts with two cutting edges 	B148

✓ Very suitable ✓ Suitable

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				P	M	K	N	S	H		
SMP01		 XSEQ1202 XSEQ1203 XSEQ12T3 XSEQ1204 XSEQ12T4	90°	✓	✓	✓				<ul style="list-style-type: none"> • Diameter range Ø100 – 250 mm • For steel, stainless steel and cast iron • Bore with keyway • Groove widths 4, 5, 6, 7, 8 mm 	B151
SMP01		 XSEQ1202 XSEQ1203 XSEQ12T3 XSEQ1204 XSEQ12T4	90°	✓	✓	✓				<ul style="list-style-type: none"> • Diameter range Ø63 – 160 mm • For steel, stainless steel and cast iron • Groove widths 4, 5, 6, 7, 8 mm 	B153
SMP03		 MPHT0603 MPHT0803 MPHT1204	90°	✓	✓	✓				<ul style="list-style-type: none"> • Diameter range Ø80 – 200 mm • For steel, stainless steel and cast iron • Bore with keyway • Groove widths 8, 10, 12, 16, 18, 20 mm 	B155
SMP03		 MPHT0603 MPHT0803 MPHT1204	90°	✓	✓	✓				<ul style="list-style-type: none"> • Diameter range Ø80 – 200 mm • For steel, stainless steel and cast iron • Groove widths 8, 10, 12, 16, 18, 20 mm 	B157
SMP05		 QC16L QC22L	90°	✓	✓	✓				<ul style="list-style-type: none"> • Diameter range Ø25 – 44 mm • For steel, stainless steel and cast iron • Groove widths range 1,1 – 4,8 mm 	B159

✓ Very suitable ✓ Suitable

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High-feed milling



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XMR01		 SDMT06T2 SDMT09T3 SDMT1204 SDMT1505	15°	✓	✓	✓				<ul style="list-style-type: none"> • Diameter range Ø20 – 40 mm • For steel, stainless steel and cast iron • Inserts with four cutting edges • Ramping possible • Double clamping system for inserts 	B163
XMR01		 SDMT06T2 SDMT09T3 SDMT1204 SDMT1505	15°	✓	✓	✓				<ul style="list-style-type: none"> • Diameter range Ø40 – 125 mm • For steel, stainless steel and cast iron • Inserts with four cutting edges • Ramping possible • Double clamping system for inserts 	B165
XMR01		 WPGT0503 WPGT0604	11°- 22°	✓	✓	✓				<ul style="list-style-type: none"> • Diameter range Ø20 – 40 mm • For steel, stainless steel and cast iron • Inserts with three cutting edges • Ramping possible • Double clamping system for inserts 	B168
XMR01		 WPGT0604 WPGT0806 WPGT0907	11°- 22°	✓	✓	✓				<ul style="list-style-type: none"> • Diameter range Ø42 – 160 mm • For steel, stainless steel and cast iron • Inserts with three cutting edges • Ramping possible • Double clamping system for inserts 	B170

Bore milling







XMP01		 CNE12	90°	✓	✓	✓				<ul style="list-style-type: none"> • Diameter range Ø80 – 400 mm • For steel, stainless steel and cast iron • Also for face and square shoulder milling 	B173
-------	---	--	-----	---	---	---	--	--	--	--	------

✓ Very suitable ✓ Suitable

T-slot milling

Series	Milling body	Inserts	Kr	Application						Features	Page
				P	M	K	N	S	H		
TMP01		 MPHT0603 MPHT0803 MPHT1204	90°	✓	✓	✓				<ul style="list-style-type: none"> • Diameter range Ø21 – 60 mm • For cast iron • Groove widths 9, 11, 14, 18, 22, 28 mm 	B175

Helical milling

HMP01		 APKT1504 & SPMT1204	90°	✓	✓	✓				<ul style="list-style-type: none"> • Diameter range Ø40 – 50 mm • For steel and cast iron • Weldon shank 	B177
HMP01		 APKT1504 & SPMT1204	90°	✓	✓	✓				<ul style="list-style-type: none"> • Diameter range Ø50 – 80 mm • For steel and cast iron • With JT coupling 	B179
HMP01-EC		 APKT1504 & SPMT1204	90°	✓	✓	✓				<ul style="list-style-type: none"> • Diameter range Ø50 – 80 mm • For steel and cast iron • With JT coupling • With indexable head 	B181

✓ Very suitable ✓ Suitable

A

Turning

B

Milling

C

Drilling













D

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Chamfer milling

Series	Milling body	Inserts	Kr	Application						Features	Page
				P	M	K	N	S	H		
CMZ01		 SPMT1204	30°	✓	✓	✓				<ul style="list-style-type: none"> • Diameter range Ø12 – 32 mm • For steel, stainless steel and cast iron • Chamfer milling cutter 30° 	B185
CMZ01		 SPMT1204	30°	✓	✓	✓				<ul style="list-style-type: none"> • Diameter range Ø12 – 32 mm • For steel, stainless steel and cast iron • Chamfer milling cutter 30° 	B183
CMA01		 SPMT1204	45°	✓	✓	✓				<ul style="list-style-type: none"> • Diameter range Ø12 – 32 mm • For steel, stainless steel and cast iron • Chamfer milling cutter 45° • Weldon shank 	B187
CMA01		 SPMT1204	45°	✓	✓	✓				<ul style="list-style-type: none"> • Diameter range Ø12 – 32 mm • For steel, stainless steel and cast iron • Chamfer milling cutter 45° • Weldon shank 	B189
CMD01		 SPMT1204	60°	✓	✓	✓				<ul style="list-style-type: none"> • Diameter range Ø12 – 32 mm • For steel, stainless steel and cast iron • Chamfer milling cutter 60° • Weldon shank 	B191
CMD01		 SPMT1204	60°	✓	✓	✓				<ul style="list-style-type: none"> • Diameter range Ø12 – 32 mm • For steel, stainless steel and cast iron • Chamfer milling cutter 60° • Weldon shank 	B193

✓ Very suitable ✓ Suitable

A
Turning





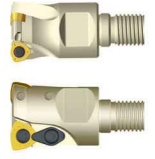







B
Milling

C
Drilling

D
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Indexable heads - QCH series

Series	Milling body	Inserts	Kr	Application						Features	Page
				P	M	K	N	S	H		
QCH-XPHT		 XPHT16 XPHT20 XPHT25 XPHT30 XPHT32		✓	✓	✓				<ul style="list-style-type: none"> Diameter range Ø16 – 32 mm For steel and cast iron Very suitable for roughing in mould and die industry 	B195
QCH-SDMT		 SDMT06T2 SDMT09T3 SDMT1204	15°	✓	✓	✓				<ul style="list-style-type: none"> Diameter range Ø20 – 40 mm For steel, stainless steel and cast iron Inserts with four cutting edges Ramping possible Double clamping system for inserts 	B197
QCH-WPGT		 WPGT0503 WPGT0604 WPGT0806	11°-22°	✓	✓	✓				<ul style="list-style-type: none"> Diameter range Ø16 – 42 mm For steel, stainless steel and cast iron Inserts with three cutting edges Ramping possible Double clamping system for inserts 	B199
QCH-APKT		 APKT11T3 APKT1604	90°	✓	✓	✓	✓	✓		<ul style="list-style-type: none"> Diameter range Ø16–40 mm For steel, stainless steel, cast iron, non-ferrous metals and heat-resistant alloys For square-shoulder, slot and plunge milling Milling cutter with positive, soft cutting geometry INSERTs with two cutting edges For metric ISO threads according to DIN standard only 	B201
QCH-RD		 RDKW0702 RDKW10T3 RDKW1605		✓	✓	✓			✓	<ul style="list-style-type: none"> Diameter range Ø15 – 42 mm For steel, stainless steel and cast iron Screw clamping Mould and die industry For two different thicknesses of inserts 	B204
QCH-RD		 RDKW0702 RDKW1003 RDKW12T3 RDKW1604		✓	✓	✓			✓	<ul style="list-style-type: none"> Diameter range Ø15 – 42 mm For steel, stainless steel and cast iron Screw clamping Mould and die industry For two different thicknesses of inserts 	B206

✓ Very suitable ✓ Suitable

A

Turning

B

Milling

C

Drilling


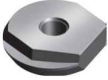






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QCH series

Series	Milling body	Inserts	Kr	Application						Features	Page
				P	M	K	N	S	H		
QCH-ZOHX		 ZOHX16 ZOHX20 ZOHX25 ZOHX30 ZOHX32		✓	✓	✓				<ul style="list-style-type: none"> • Diameter range Ø16 – 32 mm • For steel, stainless steel and cast iron • Very suitable for finishing in mould and die industry • Inserts with two cutting edges 	B208
QCH-SDMT-Q		 SDMT09T3		✓	✓	✓				<ul style="list-style-type: none"> • Diameter range Ø16–40 mm
 • For steel, stainless steel, cast iron, non-ferrous metals and heat-resistant alloys
 • For square-shoulder, slot and plunge milling
 • Milling cutter with positive, soft cutting geometry
 • Inserts with two cutting edges
 • Only for Q-thread according to ZCC-CT factory standard 	B210
QCH-APKT-Q		 APKT11T3	90°	✓	✓	✓				<ul style="list-style-type: none"> • Diameter range Ø20 – 40 mm
 • For steel, stainless steel and cast iron
 • Inserts with four cutting edges
 • Ramping possible
 • Double clamping system for inserts
 • Only for Q-thread according to ZCC-CT factory standard 	B212
QCH-SPGT-Q		 SPGT0502		✓	✓	✓				<ul style="list-style-type: none"> • Diameter range Ø16 – 20 mm
 • For steel, stainless steel and cast iron
 • For deburring and chamfer milling
 • Soft cutting milling cutter with large, positive cutting edge geometry
 • Inserts with four cutting edges
 • Only for Q-thread according to ZCC-CT factory standard 	B214

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B

Milling

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Drilling

D

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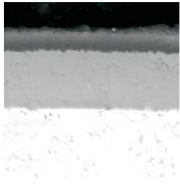
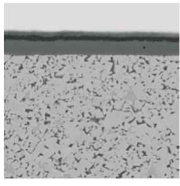
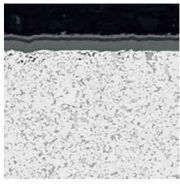
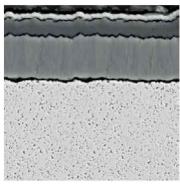
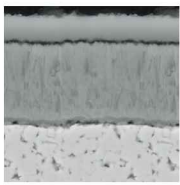
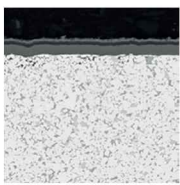
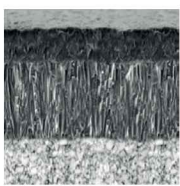

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Chip breaker overview

	Finishing	Medium machining	Roughing	
A Turning	DF	DM	DR	
	APF	APM	-	
	PF	PM	PR	
	GF	GM	GR	
	GL	GM	GH	
	-	HGR	-	
	-	-	ZR	
	-	XR	-	
	-	MM	-	
	MO-2	MO-1	MO-3	
B Milling	EF	EM	-	
	APF	APM	-	
	DF	DM	-	
	PF	PM	PR	
	GF	GM	GR	
	GL	GM	GH	
	-	HGR	-	
	E	E	-	
	-	-	ZR	
	-	XR	-	
C Drilling	-	MM	-	
	CF	CM	CR	
	DF	DM	DR	
	EDFR	DER	DER	
	PF	PM	PR	
	GF	GM	GR	
	GL	GM	GH	
	-	-	ZR	
	-	XR	-	
	MO-2	MO-1	MO-3	
D Technical Information	EF	EM	-	
	NM	NM	-	
	LH	LH	LH	
	ALH	ALH	ALH	
	E Index			

Coated cemented carbide CVD

Grade	ISO	Micro structure	Grade description
YBC302	P20 - P35		CVD coated P20-P35 carbide grade for medium operation to roughing of steel at higher cutting speed. Optimal performance of wear resistance and toughness for a wide application field.
YBC301	P20 - P35		CVD coated P20-P35 carbide grade for medium operation to roughing of steel at lower cutting speed.
YBC401	P30 - P50 M30 - M40		CVD coated P30-P50/M30-M40 carbide grade for roughing operation of steel at lower cutting speed and unstable condition.
YBM251	P20 - P30 M15 - M35		CVD coated P20-P30/M15-M35 carbide grade for medium to roughing operation in stainless steel and steel with wide application field. Good wear resistance and capability against plastic deformation at normal cutting speed.
YBM253	M15 - M35		CVD coated M15-M35 carbide grade for medium to roughing operation in stainless steel with wide application field. High wear resistance and capability against plastic deformation at higher cutting speed.
YBM351	P25 - P40 M20 - M40		CVD coated P25-P40/M25-M40 carbide grade for roughing operation in stainless steel and steel. Good wear resistance and edge stability at normal cutting speed.
YBD152	K10 - K25		CVD coated K10-K25 carbide substrate. Optimized for medium to roughing operation of cast iron. Good wear resistance and toughness at higher cutting speed.
YBD252	K20 - K35		CVD coated K20-K35 carbide substrate. Optimized for medium to roughing operation of cast iron and Steel. Good wear resistance and toughness at higher cutting speed.

A

Turning

B

Milling

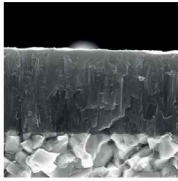
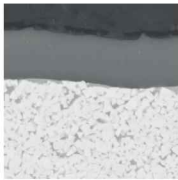
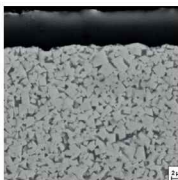
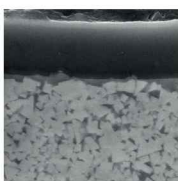
C

Drilling

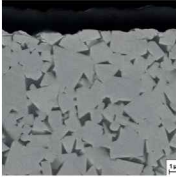
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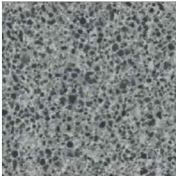
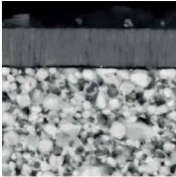
Coated cemented carbide PVD

Grade	ISO	Micro structure	Grade description
A Turning	YBG101	N05–N20	 <p>PVD coated N05–N20 carbide substrate for finishing to semi-finishing in aluminium materials. Coating only on the top face, in combination with the aluminium chip breakers, prevents built-up edges and gives a smooth cut.</p>
B Milling	YBG202	P10 - P30 M10-M25	 <p>PVD coated P10–P30/M10–M25 carbide substrate for finishing to medium application of stainless steel and steel (milling). Good wear resistance in a wide application field.</p>
D Technical Information	YBS203	S15 – S25	 <p>Turning and milling grades for processing heat-resistant materials. A special carbon substrate and the latest PVD coating technology enable a very good wear behaviour, high fracture toughness and high thermal stability.</p>
YBG302	P15 - P30 M25 - M40	 <p>PVD multilayer coated P10–P30/M10–M25 carbide substrate for finishing to medium machining of stainless steel, super alloys and steel (grooving/milling). Optimised coating stability for higher wear resistance and thermal stability in a wide range of applications.</p>	
			YBG302

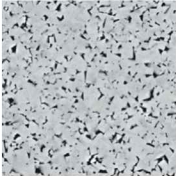
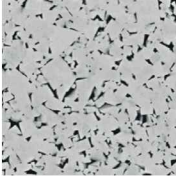
Coated cemented carbide PVD

Grade	ISO	Micro structure	Grade description
YBS303	S25 - S35		Milling grade for machining titanium alloys. A tough carbide substrate and the latest PVD coating technology with increased impact resistance and high thermal stability.

Cermet

Grade	ISO	Micro structure	Grade description
YNG151	P05 - P15		Uncoated P05-P15 cermet grade for fine finishing operation of steel and stainless steel. Good resistance against plastic deformation for good surface finishing.
YNG151C	P05 - P15		PVD coated P05-P15 cermet grade for fine finishing operation of steel and stainless steel. Good wear resistance and capability against plastic deformation for good surface roughness.

Uncoated cemented carbide

Grade	ISO	Micro structure	Grade description
YD101	N05 - N25 K05 - K20		Uncoated K05-K20/N05-N20 carbide substrate for fine to medium application in aluminum and other material.
YD201	K10 - K30 N10 - N30		Uncoated K10-K30/N10-N30 carbide substrate for medium application in aluminum and other material.

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Application fields of grades – indexable milling

	ISO	HC ¹ (CVD)	HC ¹ (PVD)	HT	HC ²	HW	PCBN/PCD	
A Turning	P	P01						
		P10		YBG102				
		P20	YBC301	YBG202	YNG151	YNG151C		
		P30	YBC302	YBG205				
		P40	YBC401	YBG302			YC305	
		YBM351	YB9320					
		YBM253						
B Milling	M	M01						
		M10		YBG102				
		M20	YBM251	YBG202	YNG151	YNG151C		
		M30	YBM253	YBG205				
		M40	YBM351	YBG302			YC305	
		YBC401	YB9320					
C Drilling	K	K01						
		K10	YBD152	YBG102				
		K20	YBD252	YBG152				
		K30		YBG202				
		K40					YD201	
D Technical Information	N	N01				YD051		
		N10		YBG101			YD101	
		N20		YBG202				YD201
		N30						
E Index	S	S01		YBG102				
		S10		YBG202				
		S20		YBG205				
		S30		YBS203				
				YBS303				
F	H	H01						
		H10		YBG102				
		H20						
		H30						

P	Steel
M	Stainless steel
K	Cast iron

N	Non-ferrous metals
S	Heat-resistant alloys
H	Hardened materials


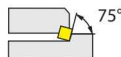
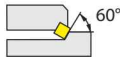
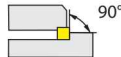

HC ¹	Coated carbide
HT	Uncoated cermet
HC ²	Coated carbide
HW	Uncoated carbide

FM A 12 050 – A22 O – N 06 – 04 (L) (C)

1 2 3 4 5 6 7 8 9 10 11

Type	
Code	Description
BM	Profile milling
CM	Chamfer milling
EM	Square shoulder milling
FM	Face milling
HM	Helical milling
SM	Slot milling
TM	T-slot milling
XM	Special

1

Entering angle			
A		E	
D		P	
R			

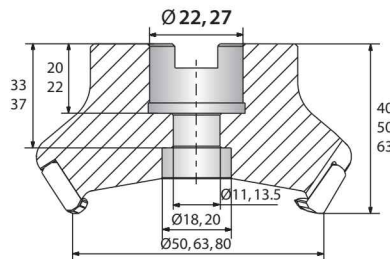
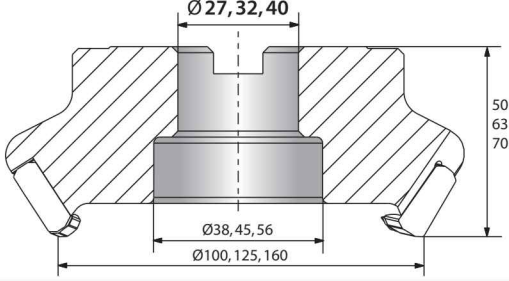
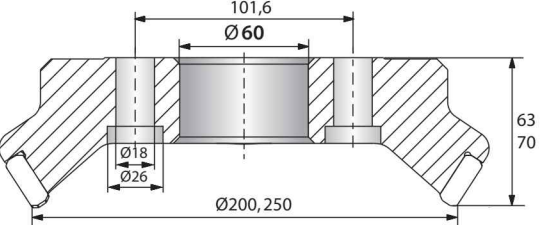
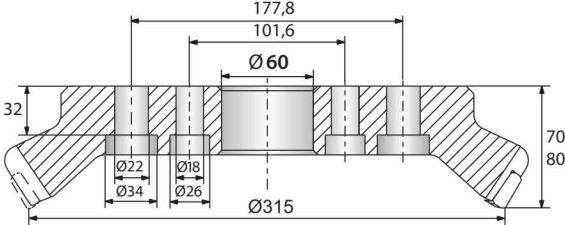
2

Serial number

3

Nominal diameter [mm]	
Code	Description
025	25
050	50
160	160
315	315
...	

4

Type and size of tool holders			
Code	Type	Code	Type
A	Nominal diameter Ø50 – 80 mm	B	Nominal diameter Ø100 – 160 mm
			
C	Nominal diameter Ø200 – 250 mm	D	Nominal diameter Ø315 mm
			
G	Straight shank	XP	Weldon shank
K	Bore with keyway		

5

With respect to mounting please adhere to the information provided by the tool holder manufacturer.

Insert shape	
A	
C	
H	
L	
M	
O	
P	
R	
S	
T	
W	
X	Special
Z	Special

6

Clearance angle	
B	
C	
D	
E	
F	
N	
P	

7

Cutting edge length l [mm]	
Insert shape	
A	C, M
H, O, P	L
R	S
T	W

8

Number of teeth
9

9

Cutting direction	
Code	Description
L	Left

10

With inner cooling
11

11



Tools with B coupling and inner coolant supply require the following spare parts:



Coolant clamp screw



Coolant shower plate



Spare parts (B coupling with inner coolant supply)

		B27	B32	B40	B40
	∅	80	100	125	160
	Coolant clamp screw	LDB27C	LDB32C	LDB40C	LDB40C
	Coolant shower plate	B27-002-CP	B32-002-CP	B40-002-CP	B40-003-CP

When purchasing tools with inner coolant supply and B coupling these spare parts are included in delivery.

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S P K N 12 04 ED T21K R – DM

1 2 3 4 5 6 7 8 9 10

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

Drilling








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



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Insert shape	
A 	C 
H 	L 
M 	O 
P 	R 
S 	T 
W 	X Special
Z Special	















Clearance angle	
B 	C 
D 	E 
F 	N 
P 	









Tolerance class			
			
Code	I.C [mm]	m [mm]	S [mm]
A	±0,025	±0,005	±0,025
C	±0,025	±0,013	±0,025
E	±0,025	±0,025	±0,025
F	±0,013	±0,005	±0,025
G	±0,025	±0,025	±0,130
H	±0,013	±0,013	±0,025
J	±0,05-0,13	±0,005	±0,025
K	±0,05-0,13	±0,013	±0,025
L	±0,05-0,13	±0,025	±0,025
M	±0,05-0,13	±0,08-0,18	±0,130
N	±0,05-0,13	±0,08-0,18	±0,025
U	±0,08-0,25	±0,13-0,38	±0,130

1

2

3

Fastening features (metric)	
Insert shape	
A 	B 
C 	F 
G 	H 
J 	M 
N 	Q 
R 	T 
U 	W 
X Special	

Cutting edge length l [mm]	
Insert shape	
	
A	C, M
	
H, O, P	L
	
R	S
	
T	W

4

5

Insert thickness S [mm]			
Code	S	Code	S
00	0,79	05	5,56
T0	0,99	T5	5,95
01	1,59	06	6,35
T1	1,98	T6	6,75
02	2,38	07	7,94
T2	2,58	09	9,52
03	3,18	T9	9,72
T3	3,97	11	11,11
04	4,76	12	12,70
T4	4,96		

6

Angle			
Code	Kr	Code	an
A	45°	A	3°
D	60°	B	5°
E	75°	C	7°
F	85°	D	15°
P	90°	E	20°
Z	Special	F	25°
		G	30°
		N	0°
		P	11°
		Z	Special

7

Chamfer							
Code	Type	Code	Angle	Code	Width [mm]	Code	Position
F		0	5°	0	0,10	K	
E		1	10°	1	0,15	P	
T		2	15°	2	0,20	W	
S		3	20°	3	0,25	-	
		4	25°	4	0,30		
		5	30°	5	0,35		
				6	0,40		
				7	0,45		

8

Cutting direction	
Code	Description
R	Right
L	Left
N	Right and left

9

Chip breaker overview
(on page B20)

10

A

Turning

B

Milling

C

Drilling

D

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E

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Indexable milling System code – slot milling

SM P 03 – 160 × 16 – K 40 – M P 12 – 12 L

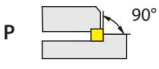
1 2 3 4 5 6 7 8 9 10 11 12

A

Turning

Type	
Code	Description
SM	Slot milling cutter

1

Entering angle


2

B

Milling

Serial number

3

Nominal diameter [mm]

4

Cutting width [mm]

5

C

Drilling

Tool holder type			
Code	Description	Code	Description
A	A type	B	B type
C	C type	D	D type
K	With feather key		



6

Diameter of mounting hole [mm]



7

D

Technical Information

Insert shape	
M	
S	

8

Clearance angle	
N	
P	

9

Insert size [mm]

10

Number of teeth

11

Cutting direction	
Code	Description
R	Right
L	Left

12

E

Index

QCH – 35 – SDMT 09 – Q 18 – 03

1 2 3 4 5 6 7

Series [mm]	
Code	Description
QCH	Indexable head system




Nominal diameter [mm]	
Code	Description
16	16
20	20
25	25
35	35
...	

Insert shape

1

2

3

Cutting edge length l [mm]	
A	
R	
S	

Thread type	
Code	Description
M	Metric
Q	Q thread

Thread size [mm]	
Code	Description
8	8
10	10
12	12
14	14
...	

4

5

6

Number of teeth

7

A

Turning

B

Milling

C

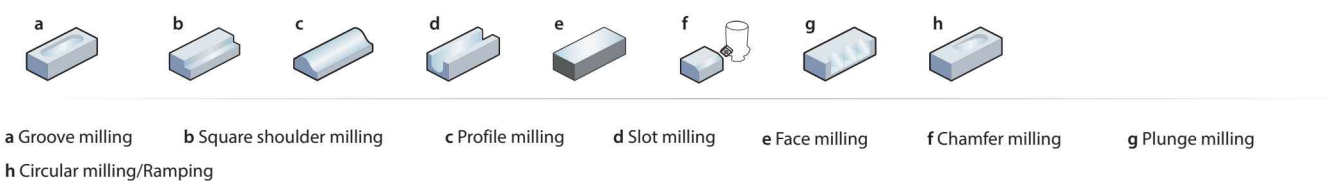
Drilling

D

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A
G 25 – QCH – Q 12 – 250 C – (ZJ) (115)
1
2
3
4
5
6
7
8
9

Turning

Clamping form	
Code	Description
G	Cylindrical
XP	Weldon

Clamping diameter [mm]	
Code	Description
12	12
16	16
20	20
25	25
32	32

Series [mm]	
Code	Description
QCH	Indexable head system

1
2
3
B

Milling

Thread type	
Code	Description
M	Metric
Q	Q thread

Thread size [mm]	
Code	Description
8	8
10	10
12	12
14	14
...	

Total length [mm]	
Code	Description
85	85
150	150
200	200
...	

4
5
6
C

Drilling

Material	
Code	Description
C	Solid carbide
S	Steel

Shank	
Code	Description
ZJ	Conical
–	Cylindrically stepped

Taper length [mm]	
Code	Description
90	90
115	115
...	

7
8
9
D

Technical Information

E

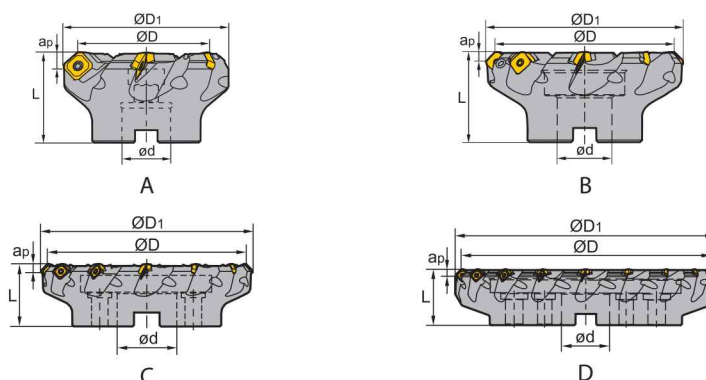
Index

Face milling

FMA01 Kr: 45° 



Fine pitch



Article	*	Stock		Dimensions [mm]					Teeth	Coupling	kg	Inserts
		R	L	ØD	ØD ₁	ød	L	a _{p max}				
FMA01-050-A22-SE12-04	● ○	50	61	22	40	6	4	A	0.3	SEET12T3		
FMA01-050-A22-SE12-04C	* ● ○	50	61	22	40	6	4	A	0.3			
FMA01-063-A22-SE12-05	● ○	63	74	22	40	6	5	A	0.5			
FMA01-063-A22-SE12-05C	* ● ○	63	74	22	40	6	6	A	1.2			
FMA01-080-A27-SE12-06	● ●	80	91	27	50	6	6	A	1.2			
FMA01-080-A27-SE12-06C	* ● ○	80	91	27	50	6	6	A	1.2			
FMA01-100-B32-SE12-07	● ○	100	107	32	50	6	7	B	1.2			
FMA01-100-B32-SE12-07C	* ○ ○	100	107	32	50	6	7	B	1.2			
FMA01-125-B40-SE12-08	● ●	125	136	40	63	6	8	B	2.6			
FMA01-125-B40-SE12-08C	* ○ ○	125	136	40	63	6	8	B	2.6			
FMA01-160-B40-SE12-10	● ●	160	170	40	63	6	10	B	4.3			
FMA01-160-B40-SE12-10C	* ○ ○	160	170	40	63	6	10	B	4.3			
FMA01-200-C60-SE12-12	● ○	200	210	60	63	6	12	C	7.6			
FMA01-250-C60-SE12-14	● ○	250	260	60	63	6	14	C	13.5			
FMA01-315-D60-SE12-18	● ○	315	325	60	70	6	18	D	20.8			
FMA01-100-B32-SE18-04	○ ○	100	120	32	63	10	4	B	1.2		SEET18T6	
FMA01-125-B40-SE18-05	○ ○	125	145	40	63	10	5	B	2.6			
FMA01-160-C40-SE18-06	○ ○	160	180	40	63	10	6	C	4.3			
FMA01-200-C60-SE18-08	● ○	200	220	60	63	10	8	C	7.6			
FMA01-250-C60-SE18-10	● ○	250	270	60	63	10	10	C	13.5			
FMA01-315-D60-SE18-12	○ ○	315	335	60	80	10	12	D	20.8			

● Ex stock ○ On demand

* With internal cooling

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Cutting data > B230



A

Turning

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Milling

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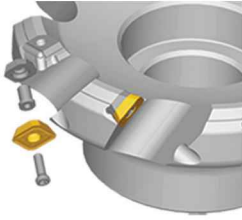
D

Technical Information

E

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Spare parts				
Insert	SEET12T3	SEET12T3	SEET18T6	
ØD	50-100	125 - 315	100- 315	
	Screw (insert)	I60M3.5×10 (2.7 Nm)	I60M3.5×12 (2.7 Nm)	I60M5×17 (6.7 Nm)
	Screw (shim)		SM5×7XA	SM8×9XA
	Shim		S13BS	S18BS
	Wrench (shim)		WH35L	WH50L
	Wrench (insert)	WT15IS	WT15IS	
	Wrench (insert)			WT20IT



Milling inserts

- Ideal machining conditions
- Normal machining conditions
- Unfavourable machining conditions

SEET	L	I.C	S	d
12 T3	17.82	13.4	3.97	4.1

SE** milling insert		HC ¹ (CVD)						HC ¹ (PVD)						HT	HC ²	HW									
	P																								
	M																								
	K																								
	N																								
	S																								
	H																								
ISO	R	bs	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201	
	SEET12T3-W	9.46							○							●					○				

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

System code > B26

Grade selection > B24

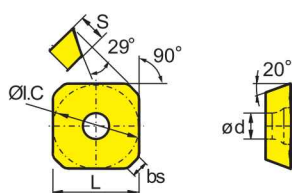
Technical info > B527

Cutting data > B230

- Ideal machining conditions
- ⊗ Normal machining conditions
- ⊗ Unfavourable machining conditions

SEET	L	I.C	S	d
12 T3	13.4	13.4	3.97	4.1
18 T6	18	18	6.1	5.5

Milling inserts



SE** milling insert			HC ¹ (CVD)						HC ¹ (PVD)						HT	HC ²	HW								
	ISO	bs	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201	
	SEET12T3-CF	2.55							○	●															
	SEET12T3-CM	2.55							●	●															
	SEET12T3-CR	2.55							● ●		○														
	SEET12T3-DF	2.55	● ●			○ ●						○						○			○	○			
	SEET12T3-DM	2.55	● ● ● ●			○ ●						○				● ●									
	SEET18T6-DM	2.29	●			●																			
	SEET12T3-DR	2.55	● ●				●		○			○						○							
	SEET12T3-EF	2.55										○							●						
	SEET12T3-EM	2.55					○ ●					○							●						
	SEET12T3-LH	2.55										○												● ●	

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

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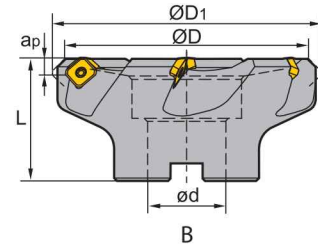
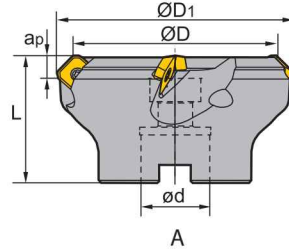


Face milling

FMA02 Kr: 45°



Coarse and differential pitch



Article	* Stock	Dimensions [mm]					Teeth	Coupling	kg	Inserts
		ØD	ØD ₁	ød	L	a _{p max}				
FMA02-050-A22-SE12-03	●	50	61	22	40	6	3	A	0.4	SEET12T3
FMA02-063-A22-SE12-04	●	63	74	22	40	6	4	A	0.6	
FMA02-080-A27-SE12-04	●	80	91	27	50	6	4	A	1.3	
FMA02-100-B32-SE12-05	●	100	107	32	50	6	5	B	1.3	
FMA02-125-B40-SE12-06	○	125	131	40	63	6	6	B	2.6	

● Ex stock ○ On demand

* With internal cooling

Spare parts		
	Insert	SEET12T3
	ØD	50-125
	Screw (insert)	I60M3.5×10 (2.7 Nm)
	Wrench (insert)	WT15IS



System code > B26

Grade selection > B24

Technical info > B527

Cutting data > B230

Milling inserts

- Ideal machining conditions
- Normal machining conditions
- Unfavourable machining conditions

SEET	L	I.C	S	d
12 T3	17.82	13.4	3.97	4.1

SE** milling insert			HC ¹ (CVD)						HC ¹ (PVD)					HT	HC ²	HW									
	P	●	●	●	●	●	●	●	●	●	●	●	●	●	●										
	M	●	●	●	●	●	●	●	●	●	●	●	●	●	●										
	K							●	●					●											
	N							●								●									
	S			●	●				●	●	●	●	●	●											
	H																								
ISO		R	bs	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201
	SEET12T3-W		9.46							○							●					○	○		

● Ex stock ○ On demand

HC¹ Coated carbide
HT Uncoated cermet
HC² Coated cermet
HW Uncoated carbide

Milling inserts

- Ideal machining conditions
- Normal machining conditions
- Unfavourable machining conditions

SEET	L	I.C	S	d
12 T3	13.4	13.4	3.97	4.1

SE** milling insert			HC ¹ (CVD)						HC ¹ (PVD)					HT	HC ²	HW									
	P	●	●	●	●	●	●	●	●	●	●	●	●	●	●										
	M	●	●	●	●	●	●	●	●	●	●	●	●	●	●										
	K							●	●					●											
	N							●								●									
	S			●	●				●	●	●	●	●	●											
	H																								
ISO			bs	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201
	SEET12T3-CF		2.55							○			●												
	SEET12T3-CM		2.55						●			●													
	SEET12T3-CR		2.55						●	●		○													

● Ex stock ○ On demand

HC¹ Coated carbide
HT Uncoated cermet
HC² Coated cermet
HW Uncoated carbide

A

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D

Technical Information

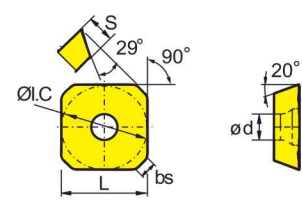






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Index

- Ideal machining conditions
- ● Normal machining conditions
- ● ● Unfavourable machining conditions

SEET	L	I.C	S	d
12 T3	13.4	13.4	3.97	4.1

Milling inserts

SE** milling insert		HC ¹ (CVD)								HC ¹ (PVD)					HT	HC ²	HW								
		P	●	●	●	●	●	●	●	●	●	●	●	●	●	●									
		M	●	●	●	●	●	●	●	●	●	●	●	●	●	●									
		K																●							
		N																●							
		S				●	●				●	●	●	●	●	●									
		H																							
ISO		bs	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151		YNG151C	YD101	YD201
	SEET12T3-DF	2.55	●	●			○	●					○					○			○				
	SEET12T3-DM	2.55	●	●	●	●	○	●				○				●	●								
	SEET12T3-DR	2.55	●	●			●		○			○						○							
	SEET12T3-EF	2.55										○				●									
	SEET12T3-EM	2.55					○	●				○				●									
	SEET12T3-LH	2.55									○													●	●

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

System code > B26

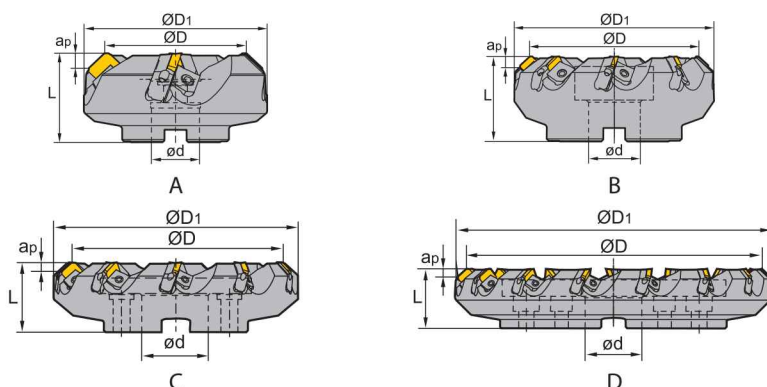
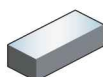
Grade selection > B24

Technical info > B527

Cutting data > B230

Face milling

FMA03 Kr: 45°



Article	*	Stock		Dimensions [mm]					Teeth	Coupling	kg	Inserts
		R	L	ØD	ØD ₁	ød	L	a _{p max}				
FMA03-080-A27-SE12-04		○	○	80	103	27	50	5.5	4	A	1.8	SEEN1203 SEKN1203 SEKR1203
FMA03-100-B32-SE12-05		○	○	100	122	32	50	5.5	5	B	2.4	
FMA03-125-B40-SE12-06		○	○	125	147	40	63	5.5	6	B	4.4	
FMA03-160-B40-SE12-08		○	○	160	181	40	63	5.5	8	B	6.4	
FMA03-200-C60-SE12-10		○	○	200	221	60	63	5.5	10	C	8.5	
FMA03-250-C60-SE12-12		○	○	250	270	60	63	5.5	12	C	14.1	
FMA03-315-D60-SE12-15		○	○	315	353	60	63	5.5	15	D	22.2	SEKN1504 SEKR1504
FMA03-080-A27-SE15-04		○		80	103	27	50	7.5	4	A	1.7	
FMA03-100-B32-SE15-05		○		100	122	32	50	7.5	5	B	2.3	
FMA03-125-B40-SE15-06		○		125	147	40	63	7.5	6	B	4.2	
FMA03-160-B40-SE15-08		○		160	181	40	63	7.5	8	B	6.1	
FMA03-200-C60-SE15-10		○		200	221	60	63	7.5	10	C	8.3	
FMA03-250-C60-SE15-12		○		250	270	60	63	7.5	12	C	13.6	
FMA03-315-D60-SE15-15		○	○	315	353	60	63	7.5	15	D	21.8	

● Ex stock ○ On demand

* With internal cooling

A

Turning

B

Milling

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Drilling

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Technical Information

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System code > B26

Grade selection > B24

Technical info > B527

Cutting data > B230



A

Turning

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Milling

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D

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Spare parts			
	Insert	SEEN1203 SEKN1203 SEKR1203	SEKN1504 SEKR1504
	ØD	80- 315	80- 315
	Adjustable screw	LOM5×15.1	LOM5×15.1
	Cassette (left)	LSE12L	LSE15L
	Cassette (right)	LSE12R	LSE15R
	Screw (wedge)	DM8×21X (10.2 Nm)	DM8×21X (10.2 Nm)
	Wedge (left)	W01L	W01L
	Wedge (right)	W01R	W01R
	Wrench (locator)	WT20T	WT20T
	Wrench (wedge)	WH40T	WH40T



Milling inserts

- Ideal machining conditions
- Normal machining conditions
- Unfavourable machining conditions

SEKN	L	I.C	S
12 03	12.7	12.7	3.18
15 04	15.875	15.875	4.76

SE** milling insert		HC ¹ (CVD)						HC ¹ (PVD)						HT	HC ²	HW						
ISO	bs	P	M	K	N	S	H	P	M	K	N	S	H									
		YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101
	SEKN1203AFN	1.8	○																			
	SEKN1203AFTN	1.8	●	●	●	○	○		○									●	●			○
	SEKN1504AFTN	1.6	●	○	●	●							●									
	SEKN1504AZ	1.6	○																			○

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

System code > B26

Grade selection > B24

Technical info > B527

Cutting data > B230

- Ideal machining conditions
- Normal machining conditions
- Unfavourable machining conditions

SEEN	L	I.C	S
12 03	12.7	12.7	3.18

Milling inserts

SE** milling insert		HC ¹ (CVD)						HC ¹ (PVD)						HT	HC ²	HW								
	P	●	●	●	●	●	●	●	●	●	●	●	●	●	●									
	M	●	●	●	●	●	●	●	●	●	●	●	●	●	●									
	K							●								●								
	N							●								●								
	S		●		●			●	●	●	●	●	●	●										
	H																							
ISO	bs	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201	
	SEEN1203AFTN	1.8																		●				

● Ex stock ○ On demand

HC¹ Coated carbide
HT Uncoated cermet
HC² Coated cermet
HW Uncoated carbide

A

Turning

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Milling

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Drilling

D

Technical Information

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Milling inserts

- Ideal machining conditions
- Normal machining conditions
- Unfavourable machining conditions

SEKR	L	I.C	S
12 03	12.7	12.7	3.18

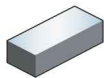
SE** milling insert		HC ¹ (CVD)						HC ¹ (PVD)						HT	HC ²	HW								
	P	●	●	●	●	●	●	●	●	●	●	●	●	●	●									
	M	●	●	●	●	●	●	●	●	●	●	●	●	●	●									
	K							●								●								
	N							●								●								
	S		●		●			●	●	●	●	●	●	●										
	H																							
ISO	bs	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201	
	SEKR1203AFN	1.8	●								○													

● Ex stock ○ On demand

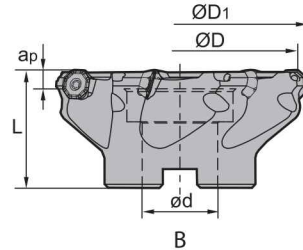
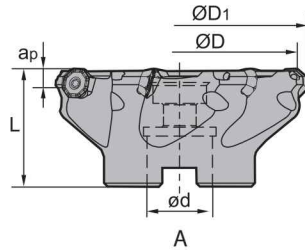
HC¹ Coated carbide
HT Uncoated cermet
HC² Coated cermet
HW Uncoated carbide

Face milling

FMA04 Kr: 45°



Screw Clamping



Article	*	Stock		Dimensions [mm]					Teeth	Coupling	kg	Inserts
		R	L	ØD	ØD ₁	ød	L	a _{p max}				
FMA04-050-A22-OF05-04	●			50	56	22	40	3.5	4	A	0.3	OFKT05T3
FMA04-050-A22-OF05-05	●			50	56	22	40	3.5	5	A	0.4	
FMA04-050-A22-OF05-05C	* ○			50	56	22	40	3.5	5	A	0.4	
FMA04-063-A22-OF05-05	●			63	69	22	40	3.5	5	A	0.5	
FMA04-063-A22-OF05-05C	* ○			63	69	22	40	3.5	5	A	0.5	
FMA04-080-A27-OF05-06	● ○			80	86	27	50	3.5	6	A	0.8	
FMA04-080-A27-OF05-06C	* ●			80	86	27	50	3.5	6	A	0.8	
FMA04-100-B32-OF05-07	● ○			100	106	32	50	3.5	7	B	1.2	
FMA04-100-B32-OF05-07C	* ○			100	106	32	50	3.5	7	B	1.2	
FMA04-125-B40-OF05-08	●			125	130	40	63	3.5	8	B	2.7	
FMA04-125-B40-OF05-08C	* ○			125	130	40	63	3.5	8	B	2.7	
FMA04-160-B40-OF05-10	●			160	165	40	63	3.5	10	B	5.1	

● Ex stock ○ On demand

* With internal cooling

Spare parts			
	Insert	OFKT05T3	OFKT05T3
	ØD	50-63	80-160
	Screw (insert)	I60M4×8.4 (3.4 Nm)	I60M4×10 (3.4 Nm)
	Wrench (insert)	WT15IS	WT15IS



System code > B26

Grade selection > B24

Technical info > B527

Cutting data > B230

- Ideal machining conditions
- Normal machining conditions
- Unfavourable machining conditions

OFKT	L	I.C	S	d
05 T3	5.26	12.7	3.97	4.4

Milling inserts

OF** milling insert		HC ¹ (CVD)						HC ¹ (PVD)					HT	HC ²	HW									
		P	M	K	N	S	H																	
ISO		R	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201
	OFKT05T3-DF	0.5									●	○												
	OFKT05T3-DM	0.5				○	●				●	○						●						
	OFKT05T3-LH	0.5																					●	

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

A

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System code > B26

Grade selection > B24

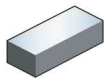
Technical info > B527

Cutting data > B230

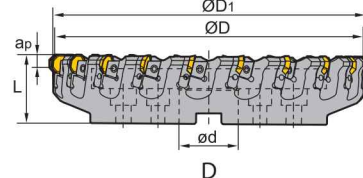
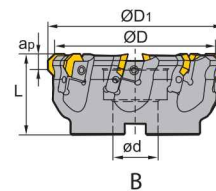
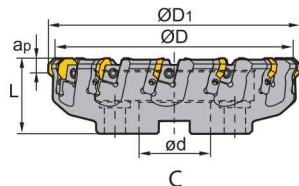


Face milling

FMA04 Kr: 45°



Wedge



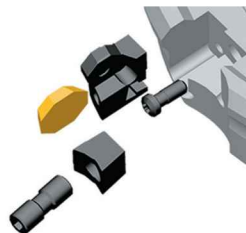
Article	*	Stock		Dimensions [mm]					Teeth	Coupling	kg	Inserts
		R	L	ØD	ØD ₁	ød	L	a _{p max}				
FMA04-125-B40-OF07-08	○			125	136	40	63	5	8	B	3.9	OFKR0704
FMA04-160-B40-OF07-10	○			160	171	40	63	5	10	B	5.9	
FMA04-200-C60-OF07-12	○			200	211	60	63	5	12	C	7.6	
FMA04-250-C60-OF07-16	○			250	261	60	63	5	16	C	13.3	
FMA04-315-D60-OF07-20	○	○		315	321	60	63	5	20	D	20.3	

● Ex stock ○ On demand

* With internal cooling

Spare parts

	Insert	OFKR0704
	ØD	125 - 315
	Adjustable screw	LOM5×15.1
	Cassette (left)	LOF07L
	Cassette (right)	LOF07R
	Screw (wedge)	DM8×21X (10.2Nm)
	Wedge (left)	W02L
	Wedge (right)	W02R
	Wrench (locator)	WT20T
	Wrench (wedge)	WH40T



- Ideal machining conditions
- Normal machining conditions
- Unfavourable machining conditions

OFKR	L	I.C	S
07 04	7.45	17.94	4.76

Milling inserts

OF** milling insert			HC ¹ (CVD)						HC ¹ (PVD)						HT	HC ²	HW							
		P	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●									
		M	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●									
		K					●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●									
		N					●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●									
		S		●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●									
		H																						
ISO		R	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201
	OFKR0704-DF	0.8				○						○												
	OFKR0704-DM	0.8	○	○		○	○		○			○						○						
	OFKR0704W-DM	0.8	○						○						○									
	OFKR0704-LH	0.8																					○	

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

A

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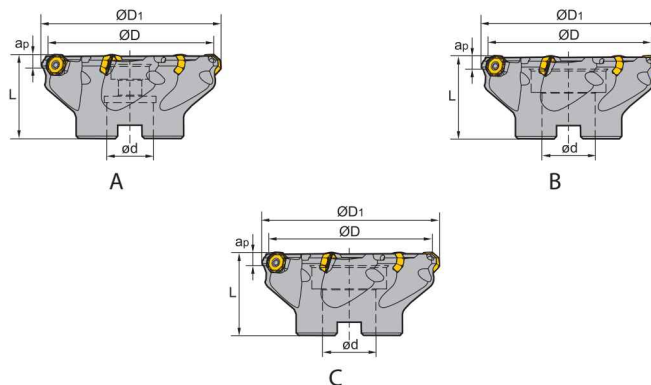



Face milling

FMA04 Kr: 45°



Screw Clamping





Article	*	Stock	Dimensions [mm]					Teeth	kg	Inserts
			ØD	ØD ₁	ød	L	a _{p max}			
FMA04-050-A22-OD06-04C	*	●	50	60	22	40	4	4	0.284	 OD*T0605**
FMA04-063-A22-OD06-05C	*	●	63	73	22	40	4	5	0.409	
FMA04-080-A27-OD06-06C	*	●	80	90	27	50	4	6	1.017	
FMA04-100-A32-OD06-07C	*	●	100	110	32	50	4	7	1.536	
FMA04-125-B40-OD06-08		○	125	135	40	63	4	8	2.931	
FMA04-160-C40-OD06-10		○	160	170	40	63	4	10	3.838	

● Ex stock ○ On demand

* With internal cooling

Spare parts

	Insert	OD*T0605**
	ØD	50-160
	Screw (insert)	I60M5x13 (6.7 Nm)
	Wrench (insert)	WT20IS

System code > B26

Grade selection > B24

Technical info > B527

Cutting data > B230

Milling inserts

- Ideal machining conditions
- Normal machining conditions
- Unfavourable machining conditions

ODHT
06 05
06 05

OD**milling insert		HC ¹ (CVD)						HC ¹ (PVD)						HT	HC ²	HW								
		P	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●								
		M	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●							
		K	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●							
		N	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●							
		S	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●							
		H	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●							
ISO		YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201	
	ODHT060508-GH			●				●	●							●								
	ODHT060508-GL			○				○								●								
	ODHT060508-GM	●		●			●									●								
	ODHT060508-LH																					●	○	
	ODMT060512-GM															○								

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

A Turning

B Milling

C Drilling

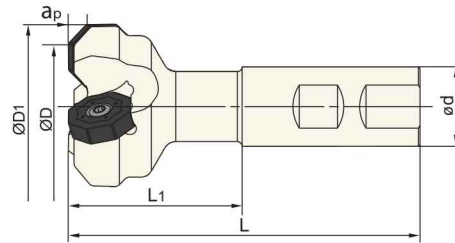
D Technical Information

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Face milling

FMA07 Kr: 45°



Weldon shank

Article	*	Stock	Dimensions [mm]						Teeth	kg	Inserts
			ØD	ØD ₁	ød	L ₁	L	a _{p max}			
FMA07-025-XP20-ON06-02		○	25	37	20	45	95	4	2	0.2	ONHU0604
FMA07-025-XP20-ON06-02C	*	○	25	37	20	45	95	4	2	0.2	
FMA07-032-XP25-ON06-02C	*	○	32	44	25	55	111	4	2	0.4	
FMA07-040-XP25-ON06-03		○	40	52	25	50	106	4	3	0.4	ONHU08T5
FMA07-032-XP25-ON08-02		○	32	47	25	55	111	5	2	0.4	
FMA07-040-XP25-ON08-03		○	40	55	25	55	111	5	3	0.5	
FMA07-040-XP25-ON08-03C	*	○	40	55	25	55	111	5	3	0.5	
FMA07-050-XP25-ON08-04		○	50	65	25	55	111	5	4	0.6	

● Ex stock ○ On demand

* With internal cooling

Spare parts			
	Insert	ONHU0604	ONHU08T5
		25-40	32-50
	Screw (insert)	I60M4×10 (3.4 Nm)	I60M5×13 (6.7 Nm)
	Wrench (insert)	WT15IS	
	Wrench (insert)		WT20IT



- Ideal machining conditions
- Normal machining conditions
- Unfavourable machining conditions

ONHU	L	I.C	S	d
06 04	6.58	15.875	4.76	4.4
08 T5	8.39	20.2	5.77	5.3

Milling inserts

ON**milling insert		HC ¹ (CVD)						HC ¹ (PVD)					HT	HC ²	HW										
ISO		r	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201	
	ONHU060408-CM																								
	ONHU08T512-CM		○					○																	
	ONHU060408-PF	0.8	○		○			●				○													
	ONHU08T508-PF	0.8	○		○			○				○				○									
	ONHU060408-PM	0.8	●		●		●	●								●									
	ONHU08T508-PM	0.8	○		○			○	○																

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

A

Turning

B

Milling

C

Drilling

D

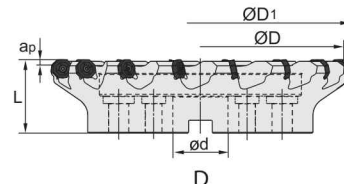
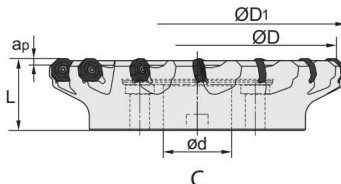
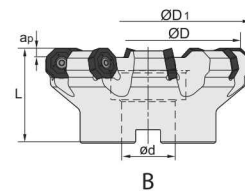
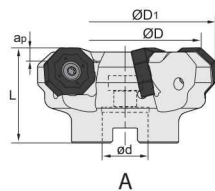
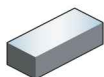
Technical Information

E

Index

Face milling

FMA07 Kr: 45°



Article	*	Stock		Dimensions [mm]					Teeth	Coupling	kg	Inserts	
		R	L	ØD	ØD ₁	ød	L	a _{p max}					
FMA07-050-A22-ON06-05		○	○	50	62	22	40	4	5	A	0.3	ONHU0604	
FMA07-050-A22-ON06-05C	*	○		50	62	22	40	4	5	A	0.3		
FMA07-063-A22-ON06-06		○		63	75	22	40	4	6	A	0.5		
FMA07-063-A22-ON06-06C	*	○		63	75	22	40	4	6	A	0.5		
FMA07-080-A27-ON06-07C	*	○		80	92	27	50	4	7	A	1		
FMA07-080-B27-ON06-07		○		80	92	27	50	4	7	B	1		
FMA07-100-B32-ON06-08		○		100	112	32	63	4	8	B	1.9		
FMA07-100-B32-ON06-08C	*	○		100	112	32	63	4	8	B	1.9		
FMA07-125-B40-ON06-09		○		125	137	40	63	4	9	B	3.5		
FMA07-125-B40-ON06-09C	*	○		125	137	40	63	4	9	B	3.5		
FMA07-160-C40-ON06-11		○	○	160	172	40	63	4	11	C	4.3		
FMA07-200-C60-ON06-13		○		200	212	60	63	4	13	C	6.4		
FMA07-250-C60-ON06-15		○		250	262	60	63	4	15	C	13.4		
FMA07-315-D60-ON06-17		○		315	327	60	80	4	17	D	21.9		
FMA07-063-A22-ON08-05		○		63	78	22	40	5	5	A	0.5		ONHU08T5
FMA07-063-A22-ON08-05C	*	○		63	78	22	40	5	5	A	0.5		
FMA07-080-A27-ON08-06C	*	○		80	95	27	50	5	6	A	0.9		
FMA07-080-B27-ON08-06		○	○	80	95	27	50	5	6	B	0.9		
FMA07-100-B32-ON08-07		○		100	115	32	63	5	7	B	1.8		
FMA07-100-B32-ON08-07C	*	○		100	115	32	63	5	8	B	3.1		
FMA07-125-B40-ON08-08		○	○	125	140	40	63	5	8	B	3.1		
FMA07-125-B40-ON08-08C	*	○		125	140	40	63	5	8	B	3.1		
FMA07-160-C40-ON08-10		○	○	160	175	40	63	5	10	C	4.1		
FMA07-200-C60-ON08-12		○	○	200	215	60	63	5	12	C	6.1		
FMA07-250-C60-ON08-14		○	○	250	265	60	63	5	14	C	12		
FMA07-315-D60-ON08-16		○	○	315	330	60	80	5	16	D	21		

● Ex stock ○ On demand

* With internal cooling

System code > B26

Grade selection > B24

Technical info > B527

Cutting data > B230

Spare parts			
Insert	ONHU0604	ONHU08T5	
ØD	50- 315	63- 315	
	Screw (insert)	I60M4×10 (3.4 Nm)	I60M5×13 (6.7 Nm)
	Wrench (insert)	WT15IS	
	Wrench (insert)		WT20IT

Milling inserts

- Ideal machining conditions
- Normal machining conditions
- Unfavourable machining conditions

ONHU	L	I.C	S	d
06 04	6.58	15.875	4.76	4.4
08 T5	8.39	20.2	5.77	5.3

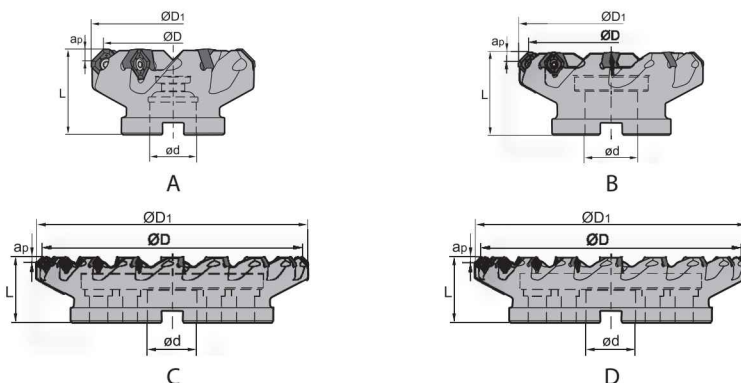
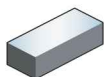
ON**milling insert		HC ¹ (CVD)								HC ¹ (PVD)								HT	HC ²	HW									
		P	M	K	N	S	H	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201
ISO		r																											
	ONHU060408-CM																												
	ONHU08T512-CM																												
	ONHU060408-PF	0.8																											
	ONHU08T508-PF	0.8																											
	ONHU060408-PM	0.8																											
	ONHU08T508-PM	0.8																											

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

Face milling

FMA11 Kr: 45°



Article	*	Stock	Dimensions [mm]					Teeth	Coupling	kg	Inserts
			ØD	ØD ₁	ød	L	a _{p max}				
FMA11-063-A22-SN12-05C	*	●	63	74.47	22	40	5.5	5	A	0.55	SNEG1205
FMA11-063-A22-SN12-06C	*	●	63	74.47	22	40	5.5	6	A	0.58	
FMA11-080-A27-SN12-06C	*	●	80	91.47	27	50	5.5	6	A	1.14	
FMA11-100-B32-SN12-07		●	100	111.47	32	50	5.5	7	B	1.42	
FMA11-100-B32-SN12-07C	*	○	100	111.47	32	50	5.5	7	B	1.42	
FMA11-100-B32-SN12-10C	*	●	100	111.47	32	50	5.5	10	B	1.42	
FMA11-125-B40-SN12-08		●	125	136.47	40	63	5.5	8	B	2.86	
FMA11-125-B40-SN12-08C	*	○	125	136.47	40	63	5.5	8	B	2.86	
FMA11-125-B40-SN12-12C	*	●	125	136.47	40	63	5.5	12	B	2.86	
FMA11-160-C40-SN12-10		●	160	171.47	40	63	5.5	10	C	4.06	
FMA11-160-C40-SN12-15		●	160	171.47	40	63	5.5	15	C	4.06	
FMA11-200-C60-SN12-14		●	200	212.08	60	63	5.5	14	C	6.89	
FMA11-063-A22-SN15-05C	*	●	63	77.4	22	40	7	5	A	0.56	SNEG1506
FMA11-080-A27-SN15-06C	*	●	80	94.4	27	50	7	6	A	1.06	
FMA11-100-B32-SN15-07		●	100	114.4	32	50	7	7	B	1.47	
FMA11-100-B32-SN15-07C	*	○	100	114.4	32	50	7	7	B	1.47	
FMA11-100-B32-SN15-09C	*	●	100	114.4	32	50	7	9	B	1.47	
FMA11-125-B40-SN15-08		●	125	139.4	40	63	7	8	B	2.7	
FMA11-125-B40-SN15-08C	*	○	125	139.4	40	63	7	8	B	2.7	
FMA11-125-B40-SN15-10C	*	●	125	140.25	40	63	7	10	B	3.1	
FMA11-160-C40-SN15-10		●	160	174.4	40	63	7	10	C	3.92	
FMA11-160-C40-SN15-13		●	160	175.25	40	63	7	13	C	4.14	
FMA11-200-C60-SN15-12		●	200	214.4	60	63	7	12	C	5.46	
FMA11-250-C60-SN15-14		●	250	264.4	60	63	7	14	C	11.26	
FMA11-315-D60-SN15-18		○	315	329.4	60	80	7	18	D	20	
FMA11-125-B40-SN19-07		●	125	142.63	40	63	9	7	B	3	SNEG1907
FMA11-125-B40-SN19-07C	*	●	125	142.63	40	63	9	7	B	3	
FMA11-160-C40-SN19-09		●	160	167.63	40	63	9	9	C	4.25	
FMA11-200-C60-SN19-11		●	200	217.63	60	63	9	11	C	6.18	

● Ex stock ○ On demand

* With internal cooling

System code > B26

Grade selection > B24

Technical info > B527

Cutting data > B230

Article	* Stock	Dimensions [mm]					Teeth	Coupling	kg	Inserts
		ØD	ØD ₁	ød	L	a _p max				
FMA11-250-C60-SN19-13	●	250	267.63	60	63	9	13	C	11.55	SNEG1907
FMA11-315-D60-SN19-16	○	315	332.63	60	80	9	16	D	20.9	

● Ex stock ○ On demand

* With internal cooling

Spare parts				
Insert	SNEG1205	SNEG1506	SNEG1907	Image
ØD	63-200	63-315	125-315	
Screw (insert)	I60M3.5x10 (2.7 Nm)	I60M5x13 (6.7 Nm)	I43M6x16 (9.1 Nm)	
Wrench (insert)	WT15IS			
Wrench (insert)		WT20IT	WT25IT	

SNEG	L	I.C	S	d
12 05	7.6	12	4.76	4.6
15 06	9.4	15	5.6	5.5
19 07	12.1	19	7	7.2

- Ideal machining conditions
- Normal machining conditions
- Unfavourable machining conditions

Milling inserts

SN** negative insert				HC ¹ (CVD)					HC ¹ (PVD)					HT	HC ²	HW									
		P	M	K	N	S	H																		
ISO		r	bs	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201
	SNEG1506ANR-E	0.9	1.3																						
	SNEG1205ANR-GM	0.8	1.05	●		●			●								●								
	SNEG1506ANR-GM	0.9	1.3	●		●			●								●								

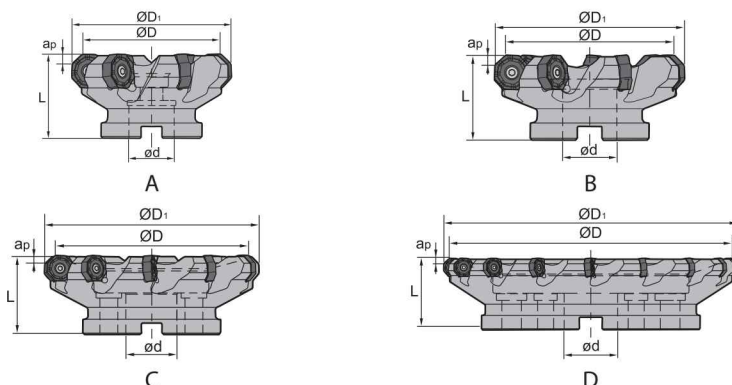
● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

A Turning
B Milling
C Drilling
D Technical Information
E Index

Face milling

FMA12 Kr: 45°



Article	*	Stock	Dimensions [mm]					Teeth	Coupling	kg	Inserts
			ØD	ØD ₁	ød	L	a _{p max}				
FMA12-050-A22-ON06-04C	*	●	50	59	22	40	4	A	0.309	ON*U0604**	
FMA12-050-A22-ON06-05C	*	●	50	59	22	40	4	A	0.352		
FMA12-063-A27-ON06-05C	*	●	63	72	27	50	4	A	0.645		
FMA12-063-A27-ON06-07C	*	●	63	72	27	50	4	A	0.695		
FMA12-080-A27-ON06-07C	*	●	80	90	27	50	4	A	1.071		
FMA12-080-A27-ON06-09C	*	●	80	90	27	50	4	A	1.098		
FMA12-100-A32-ON06-08C	*	●	100	110	32	50	4	A	1.599		
FMA12-100-A32-ON06-11C	*	●	100	110	32	50	4	A	1.616		
FMA12-125-B40-ON06-10		●	125	135	40	63	4	B	3.114		
FMA12-125-B40-ON06-14		●	125	135	40	63	4	B	3.151		
FMA12-160-C40-ON06-12		●	160	170	40	63	4	C	4.504		
FMA12-160-C40-ON06-18		●	160	170	40	63	4	C	4.568		
FMA12-063-A22-ON08-05		○	63	78	22	50	5	A	0.6		ONHU08T6
FMA12-080-A27-ON08-06		○	80	95	27	50	5	A	0.97		
FMA12-100-B32-ON08-07		○	100	115	32	50	5	B	1.28		
FMA12-100-B32-ON08-07C	*	○	100	115	32	50	5	B	1.28		
FMA12-125-B40-ON08-08		○	125	140	40	63	5	B	2.59		
FMA12-125-B40-ON08-08C	*	○	125	140	40	63	5	B	2.59		
FMA12-160-C40-ON08-10		○	160	175	40	63	5	C	4.1		
FMA12-200-C60-ON08-12		○	200	215	60	63	5	C	5.68		
FMA12-250-C60-ON08-14		○	250	265	60	63	5	C	11.9		
FMA12-315-D60-ON08-18		○	315	330	60	80	5	D	20.41		

● Ex stock ○ On demand

* With internal cooling

System code > B26

Grade selection > B24

Technical info > B527




Cutting data > B230




Indexable milling Face milling

A

Turning

Spare parts		ON*U0604**	ONHU08T6
Insert	ØD	50-160	63-315
	Screw (insert)		I60M5x13 (6.7Nm)
	Wrench (insert)	WT15IS	
	Wrench (insert)		WT20IT



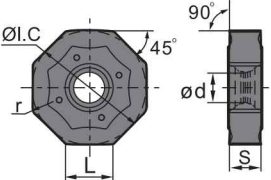



B

Milling

- Ideal machining conditions
- Normal machining conditions
- Unfavourable machining conditions

ONHU	L	I.C	S	d
06 04	6.15	15.875	5.54	6
08 T6	6.38	20.2	6.3	5.3

Milling inserts

ON**milling insert		HC ¹ (CVD)						HC ¹ (PVD)						HT	HC ²	HW									
ISO		r	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201	
																									
	ONHU060408ANN-GH ONMU060408-GH					●			●	●						●	●	○							
	ONHU060404ANN-GL					●			○							●	●	○							
	ONHU060408ANN-GM ONHU08T624R-GM ONMU060408-GM	0,8 2,4				●			●							●	●	○							

● Ex stock ○ On demand

HC¹ Coated carbide
HT Uncoated cermet
HC² Coated cermet
HW Uncoated carbide

C

Drilling

D

Technical Information

E

Index

System code > B26

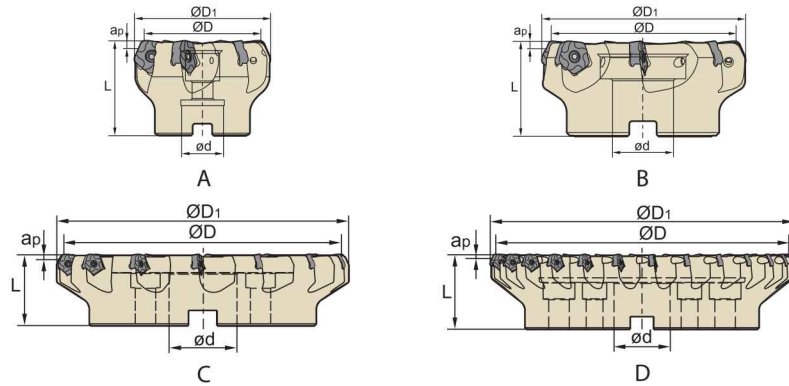
Grade selection > B24


Technical info > B527

Cutting data > B230

Face milling

FMD02 Kr: 67°



Article	*	Stock		Dimensions [mm]					Teeth	Coupling	kg	Inserts
		R	L	ØD	ØD ₁	ød	L	a _{p max}				
FMD02-050-A22-PN11-04	● ○	50	60.1	22	50	5	4	A	0.6			
FMD02-050-A22-PN11-04C	* ○	50	60.1	22	50	5	4	A	0.6			
FMD02-050-A22-PN11-05	●	50	60.1	22	50	5	5	A	0.6			
FMD02-050-A22-PN11-05C	* ●	50	60.1	22	50	5	5	A	0.6			
FMD02-063-A22-PN11-05	● ○	63	73.1	22	50	5	5	A	0.8			
FMD02-063-A22-PN11-05C	* ○	63	73.1	22	50	5	5	A	0.8			
FMD02-063-A22-PN11-06	●	63	73.1	22	50	5	6	A	0.9			
FMD02-063-A22-PN11-06C	* ●	63	73.1	22	50	5	6	A	0.9			
FMD02-080-A27-PN11-06	●	80	90.1	27	50	5	6	A	1.1			
FMD02-080-A27-PN11-08	●	80	90.1	27	50	5	8	A	1.2			
FMD02-080-A27-PN11-08C	* ●	80	90.1	27	50	5	8	A	1.2			
FMD02-100-B32-PN11-07	●	100	110.1	32	50	5	7	B	1.8			
FMD02-100-B32-PN11-07C	* ○	100	110.1	32	50	5	7	B	1.8			
FMD02-100-B32-PN11-10	●	100	110.1	32	50	5	10	B	1.9			
FMD02-100-B32-PN11-10C	* ○	100	110.1	32	50	5	10	B	1.9			
FMD02-125-B40-PN11-08	● ●	125	135.1	40	63	5	8	B	2.9			
FMD02-125-B40-PN11-08C	* ○	125	135.1	40	63	5	8	B	2.9			
FMD02-125-B40-PN11-12	● ○	125	135.1	40	63	5	12	B	3.2			
FMD02-125-B40-PN11-12C	* ○	125	135.1	40	63	5	12	B	3.2			
FMD02-160-B40-PN11-10	● ○	160	170.1	40	63	5	10	B	5.6			
FMD02-160-B40-PN11-14	● ○	160	170.1	40	63	5	14	B	6.4			
FMD02-200-C60-PN11-12	○ ○	200	210.1	60	63	5	12	C	7.9			
FMD02-200-C60-PN11-16	●	200	210.1	60	63	5	16	C	8.5			
FMD02-200-C60-PN11-20	○	200	210.1	60	63	5	20	C	8.5			
FMD02-200-C60-PN11-24	●	200	210.1	60	63	5	24	C	8.6			
FMD02-250-C60-PN11-14	○	250	260.1	60	63	5	14	C	13.4			
FMD02-250-C60-PN11-18	● ○	250	260.1	60	63	5	18	C	18			
FMD02-250-C60-PN11-30	○	250	260.1	60	63	5	30	C	13.5			
FMD02-315-D60-PN11-26	○ ○	315	325.1	60	80	5	26	D	24.5			

PNEG1105

● Ex stock ○ On demand

* With internal cooling

System code > B26

Grade selection > B24

Technical info > B527


Cutting data > B230



A

Turning

Spare parts		
Insert	PNEG1105	
ØD	50-315	
	Screw (insert)	I60M4x10 (3.4Nm)
	Wrench (insert)	WT15IS



B

Milling

- Ideal machining conditions
- Normal machining conditions
- Unfavourable machining conditions

PNEG	L	I.C	S	d
11 05	7.5	15.875	5.56	4.64

Milling inserts

PN** milling insert		HC ¹ (CVD)							HC ¹ (PVD)					HT	HC ²	HW													
		P	M	K	N	S	H	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201
ISO	bs	a _p max																											
	PNEG110512L-PF	1.6	7.5	○																									
	PNEG110512R-PF	1.6	7.5	○	○																								
	PNEG110512L-PM	1.6	7.5	○	○																								
	PNEG110512R-PM			●	●		○																						
	PNEG110512L-PR	1.6	7.5	○	●																								
	PNEG110512R-PR	1.6	7.5	○	●																								

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

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- ⊗ Unfavourable machining conditions

PNEG	L	I.C	S	d
11 05	5.4	15.875	5.56	4.64

Milling inserts

PN** milling insert		HC ¹ (CVD)						HC ¹ (PVD)					HT	HC ²	HW										
ISO		bs	a _p max	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201
	PNEG110512L-CF	1.6	5																						
	PNEG110512R-CF	1.6	5							○															
	PNEG110512L-CM	1.6	5							○															
	PNEG110512R-CM	1.6	5							●															
	PNEG110512L-CR	1.6	5							○ ○															
	PNEG110512R-CR	1.6	5							● ●															

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

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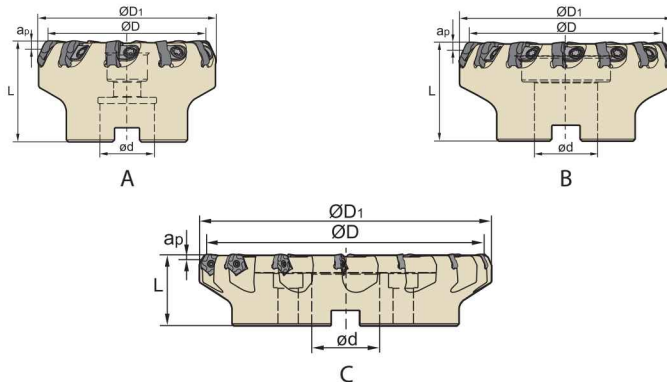
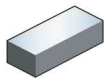
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Face milling

FMD02 Kr: 67°



Article	*	Stock		Dimensions [mm]					Teeth	Coupling	kg	Inserts
		R	L	ØD	ØD ₁	ød	L	a _{p max}				
FMD02-080-A27-PN11-10	●			80	90.1	27	50	5	10	A	1.3	PNEG1105
FMD02-100-B32-PN11-14	●	○		100	110.1	32	50	5	14	B	1.6	
FMD02-125-B40-PN11-18	●			125	135.1	40	63	5	18	B	3.2	
FMD02-160-B40-PN11-22	●			160	170.1	40	63	5	22	B	5.8	
FMD02-200-C60-PN11-28	○	○		200	210.1	60	63	5	28	C	8.5	

● Ex stock ○ On demand

* With internal cooling

Spare parts		
	Insert	PNEG1105
	ØD	80-200
	Screw (wedge)	DM6x20A (7.0 Nm)
	Wedge	W18N
	Wrench (wedge)	WT15IT



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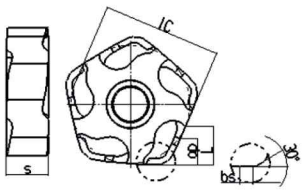


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- Ideal machining conditions
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PNEG	L	I.C	S	d
11 05	5.4	15.875	5.56	4.64

Milling inserts

PN** milling insert			HC ¹ (CVD)							HC ¹ (PVD)					HT	HC ²	HW							
	P																							
	M																							
	K																							
	N																							
	S																							
	H																							
ISO	bs	a _{p max}	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201
	PNEG110512L-CM	1.6	5						○															
	PNEG110512R-CM	1.6	5						●															
	PNEG110512L-CR	1.6	5						○ ○															
	PNEG110512R-CR	1.6	5						● ●															

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

System code > B26

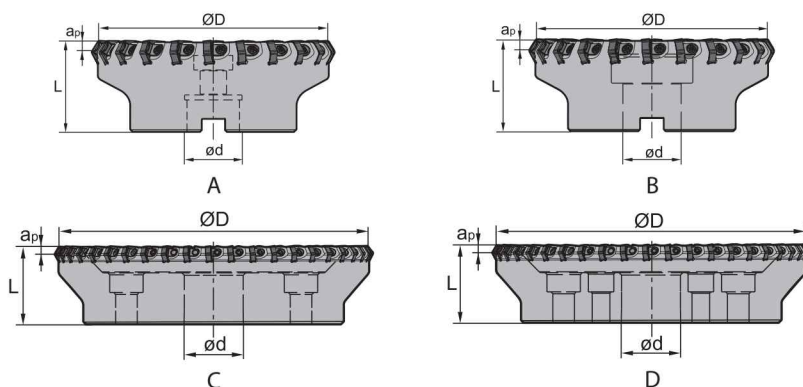
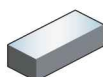
Grade selection > B24

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Face milling

FMD02 Kr: 55°



Article	*	Stock		Dimensions [mm]				Teeth	Coupling	kg	Inserts
		R	L	ØD	ød	L	ap max				
FMD02-080-A27-HN09-08	○			80	27	50	6	8	A	1.19	HNEX0905
FMD02-100-B32-HN09-10	○			100	32	50	6	10	B	1.77	
FMD02-125-B40-HN09-14	○			125	40	63	6	14	B	3.55	
FMD02-125-B40-HN09-18	○			125	40	63	6	18	B	3.7	
FMD02-160-B40-HN09-18	●			160	40	63	6	18	B	5.62	
FMD02-160-B40-HN09-22	○			160	40	63	6	22	B	5.6	
FMD02-200-C60-HN09-22	○			200	60	63	6	22	C	6.7	
FMD02-250-C60-HN09-28	○	○		250	60	63	6	28	C	13	
FMD02-315-D60-HN09-44	○			315	60	63	6	44	D	21.7	

● Ex stock ○ On demand

* With internal cooling

Spare parts			
Insert	HNEX0905		
ØD	80- 315		
Screw (wedge)	DM6x20A (7.0Nm)		
Wedge	W18N		
Wrench (wedge)	WT15IT		

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HNEX	L	I.C	S
09 05	9.16	15.875	5.56

Milling inserts

HN** milling insert		HC ¹ (CVD)						HC ¹ (PVD)						HT	HC ²	HW								
	P	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	●	●	●								
	M	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	●	●	●								
	K							⊗						●		⊗								
	N							⊗							⊗	⊗								
	S		⊗	⊗				⊗	⊗	⊗	⊗	⊗	⊗											
	H																							
	ISO	r	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201
	HNEX090512-DR	1.2					●	●																

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

System code > B26

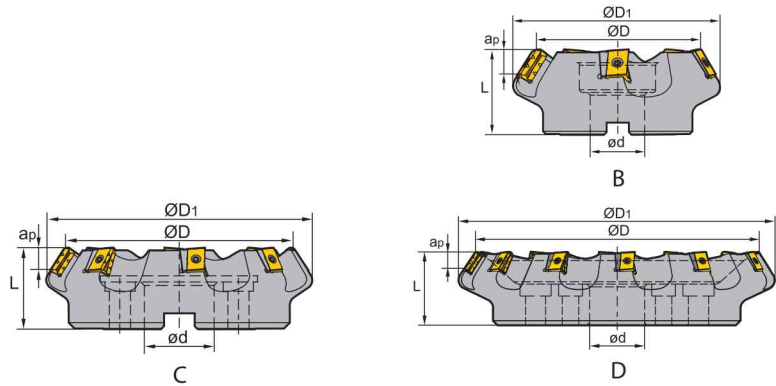
Grade selection > B24

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Cutting data > B230

Face milling

FMD03 Kr: 60°



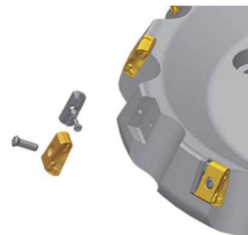
Article	*	Stock		Dimensions [mm]					Teeth	Coupling	kg	Inserts	
		R	L	ØD	ØD ₁	ød	L	a _{p max}					
FMD03-100-B32-LN20-05	○			100	129	32	63	12	5	B	3.02	LNKT2007-ZR	
FMD03-125-B40-LN20-06	●			125	153	40	63	12	6	B	4.5		
FMD03-160-C40-LN20-08	●			160	187	40	63	12	8	C	6.9		
FMD03-160-C40-LN20-09	○			160	187	40	63	12	9	C	6.7		
FMD03-200-C60-LN20-10	●			200	227	60	70	12	10	C	10.5		
FMD03-250-C60-LN20-12	●			250	276	60	70	12	12	C	13.4		
FMD03-315-D60-LN20-15	○			315	339	60	80	12	15	D	26.2		
FMD03-125-B40-LN25-05	○			125	154	40	63	16	5	B	4.5		LNKT2510-ZR
FMD03-160-C40-LN25-06	●			160	189	40	63	16	6	C	6.9		
FMD03-200-C60-LN25-08	●			200	229	60	70	16	8	C	10.5		
FMD03-250-C60-LN25-10	●			250	278	60	70	16	10	C	16.7		
FMD03-315-D60-LN25-12	○ ○			315	346	60	80	16	12	D	27.3		
FMD03-400-D60-LN25-16	○ ○			400	427	60	80	16	16	D	47.1		

● Ex stock ○ On demand

* With internal cooling

Spare parts

	Insert	LNKT2007-ZR	LNKT2510-ZR
	ØD	100- 315	125 -400
	Screw (insert)	I60M4×15 (3.4 Nm)	I60M5×17 (6.7 Nm)
	Screw (shim)	I60M3×7	I60M3.5×10.4
	Shim	LLN20R-ZR	LLN25R-ZR
	Wrench (shim)	WT09IS	WT15IS
	Wrench (insert)	WT15IS	
	Wrench (insert)		WT20IT



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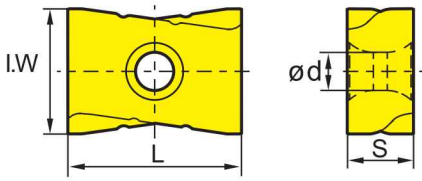

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- Ideal machining conditions
- ⊗ Normal machining conditions
- ⊗ Unfavourable machining conditions

LNKT	L	S	d
20 07	20	7.94	4.6
25 10	25	9.525	5.5

Milling inserts

LN** milling insert		HC ¹ (CVD)							HC ¹ (PVD)					HT	HC ²	HW								
	P	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗									
	M	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗									
	K						⊗	⊗	⊗					⊗		⊗								
	N						⊗		⊗						⊗	⊗								
	S			⊗	⊗				⊗	⊗	⊗	⊗	⊗	⊗										
	H																							
ISO	I.W	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201	
	LNKT2007DN-ZR	17			●	●		○									●							
	LNKT2510-ZR	18				●		●									●							

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

System code > B26

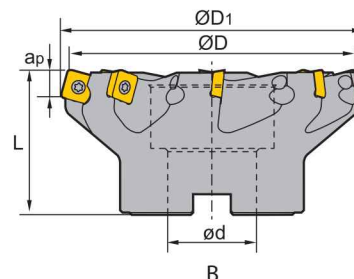
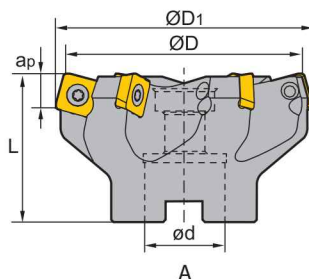
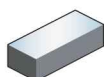
Grade selection > B24


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Face milling

FME02 Kr: 75°

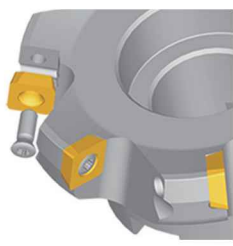




Article	*	Stock	Dimensions [mm]					Teeth	Coupling	kg	Inserts
			ØD	ØD ₁	ød	L	a _{p max}				
FME02-050-A22-SP12-04	●		50	54	22	40	6	4	A	0.3	 SPKT1204 SPKW1204
FME02-063-A22-SP12-05	●		63	66	22	50	6	5	A	0.6	
FME02-080-A27-SP12-06	●		80	83	27	50	6	6	A	0.9	
FME02-100-B32-SP12-07	●		100	103	32	50	6	7	B	1.4	
FME02-125-B40-SP12-08	●		125	128	40	63	6	8	B	2.5	

● Ex stock ○ On demand

* With internal cooling

Spare parts

Insert		SPKT1204 SPKW1204	
ØD		50-125	
	Screw (insert)	I60M5x13.2 (6.7Nm)	
	Wrench (insert)	WT20IS	

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- ✳ Normal machining conditions
- ✳ Unfavourable machining conditions

SPKW	L	I.C	S	d
12 04	12.7	12.7	4.76	5.56

Milling inserts

SP** milling insert		HC ¹ (CVD)						HC ¹ (PVD)					HT	HC ²	HW									
	P	●	●	●	●	●	●	●	●	●	●	●	●	●										
	M	●	●	●	●	●	●	●	●	●	●	●	●	●										
	K							●	●	●	●	●	●	●	●									
	N							●	●	●	●	●	●	●	●									
	S							●	●	●	●	●	●	●	●									
	H																							
ISO		YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201	
	SPKW1204EDFR																							
	SPKW1204EDSR																							

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

- Ideal machining conditions
- ✳ Normal machining conditions
- ✳ Unfavourable machining conditions

SPKT	L	I.C	S	d
12 04	12.7	12.7	4.76	5.56

Milling inserts

SP** milling insert		HC ¹ (CVD)						HC ¹ (PVD)					HT	HC ²	HW									
	P	●	●	●	●	●	●	●	●	●	●	●	●	●										
	M	●	●	●	●	●	●	●	●	●	●	●	●	●										
	K							●	●	●	●	●	●	●	●									
	N							●	●	●	●	●	●	●	●									
	S							●	●	●	●	●	●	●	●									
	H																							
ISO		YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201	
	SPKT1204EDR																							

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

System code > B26

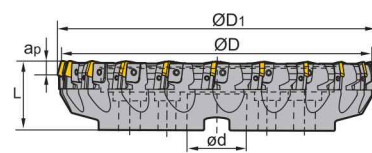
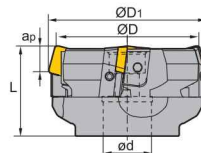
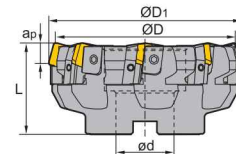
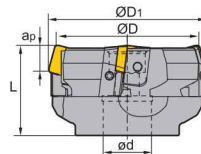
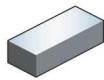
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Cutting data > B230

Face milling

FME03 Kr: 75°



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Article	*	Stock		Dimensions [mm]					Teeth	Coupling	kg	Inserts	
		R	L	ØD	ØD ₁	ød	L	a _{p max}					
FME03-080-A27-SP12-04		○		80	84	27	50	6	4	A	1.1	SPKN1203 SPKR1203 SPEX1203	
FME03-100-B32-SP12-06		●		100	104	32	50	6	6	B	1.9		
FME03-125-B40-SP12-08		○	○	125	129	40	63	6	8	B	3.5		
FME03-160-B40-SP12-10		●	○	160	164	40	63	6	10	B	5.7		
FME03-200-C60-SP12-12		○	○	200	203	60	63	6	12	C	8.2		
FME03-250-C60-SP12-16		○	○	250	253	60	63	6	16	C	13.8		
FME03-315-D60-SP12-20		○		315	318	60	70	6	20	D	23.5		
FME03-080-A27-SP15-04		○	○	80	84	27	50	8	4	A	1		SPKN1504 SPKR1504 SPEX1504
FME03-100-B27-SP15-06		○		100	104	27	50	8	6	B	1.8		
FME03-125-B40-SP15-08		●	○	125	129	40	63	8	8	B	3.3		
FME03-160-B40-SP15-10		○	○	160	164	40	63	8	10	B	5.4		
FME03-200-C60-SP15-12		○	○	200	204	60	63	8	12	C	7.9		
FME03-250-C60-SP15-16		○	○	250	253	60	63	8	16	C	13.6		
FME03-315-D60-SP15-20		○	○	315	318	60	70	8	20	D	23.1		

● Ex stock ○ On demand

* With internal cooling

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Spare parts		SPKN1203 SPKR1203 SPEX1203	SPKN1203 SPKR1203 SPEX1203	SPKN1504 SPKR1504 SPEX1504
	Insert	80-100	125 - 315	80- 315
	Adjustable screw	LOM5×15.1	LOM5×15.1	LOM5×15.1
	Cassette (left)	LSP12L	LSP12L	LSP15L
	Cassette (right)	LSP12R	LSP12R	LSP15R
	Screw (wedge)	WM8×17	WM8×22	WM8×22
	Wedge (left)	W04L	W04L	W04L
	Wedge (right)	W04R	W04R	W04R
	Wrench (locator)	WT20T	WT20T	WT20T
	Wrench (wedge)	WT25T	WT25T	WT25T



Milling inserts

- Ideal machining conditions
- Normal machining conditions
- Unfavourable machining conditions

SPKN	L	I.C	S
12 03	12.7	12.7	3.18
15 04	15.875	15.875	4.76

SP** milling insert		HC ¹ (CVD)								HC ¹ (PVD)				HT	HC ²	HW								
ISO	be	bs	Machining conditions								Machining conditions				Machining conditions	Machining conditions	Machining conditions							
			P	M	K	N	S	H	P	M	K	N	S	H										
			YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201
	1	1.4																						
	1	1.4																						
	1	1.4																						
	1	1.4																						
	1	1.4																						
	1	1.4																						
	1	1.4																						
	1	1.4																						
	1	1.4																						
	1	1.4																						
	1	1.4																						

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

System code > B26

Grade selection > B24

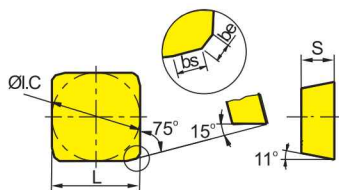
Technical info > B527

Cutting data > B230

- Ideal machining conditions
- Normal machining conditions
- Unfavourable machining conditions

SPKR	L	I.C	S
12 03	12.7	12.7	3.18
15 04	15.875	15.875	4.76

Milling inserts



SP** milling insert		HC ¹ (CVD)							HC ¹ (PVD)					HT	HC ²	HW									
		P	M	K	N	S	H																		
ISO		be	bs	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201
	SPKR1203EDL-GM	1	1.4				○																		
	SPKR1203EDR-GM	1	1.4				●																		
	SPKR1504EDR-GM	1	1.4			○								○											
	SPKR1203EDR	1	1.4	○																					

● Ex stock ○ On demand

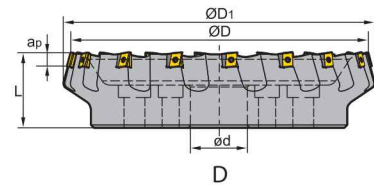
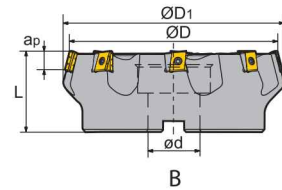
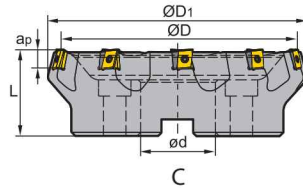
HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

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Face milling

FME04 Kr: 75°



Article	*	Stock	Dimensions [mm]					Teeth	Coupling	kg	Inserts
			ØD	ØD ₁	ød	L	a _{p max}				
FME04-125-B40-LN15-06		●	125	137	40	63	10	6	B	3.8	LNKT1506-ZR
FME04-200-C60-LN15-10		●	200	208	60	70	10	10	C	9.6	
FME04-250-C60-LN15-12		○	250	257	60	70	10	12	C	13.4	
FME04-315-D60-LN15-16		○	315	328	60	80	10	16	D	25.2	

● Ex stock ○ On demand

* With internal cooling

Spare parts

	Insert	LNKT1506-ZR	
	ØD	125 - 315	
	Screw (insert)	I60M4x12 (3.4 Nm)	
	Screw (shim)	I60M3x7	
	Shim	LLN15-ZR	
	Wrench (shim)	WT09IS	
	Wrench (insert)	WT15IS	

System code > B26

Grade selection > B24

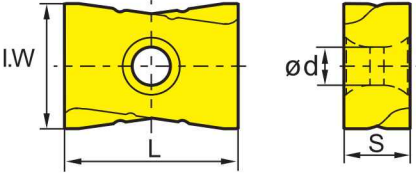

Technical info > B527

Cutting data > B230

- Ideal machining conditions
- Normal machining conditions
- Unfavourable machining conditions

LNKT	L	S	d
15 06	15.875	6.35	4.6

Milling inserts

LN** milling insert		HC ¹ (CVD)						HC ¹ (PVD)					HT	HC ²	HW									
	P	●	●	●	●	●	●	●	●	●	●	●	●	●										
	M	●	●	●	●	●		●	●	●	●	●	●	●										
	K					●	●	●							●									
	N							●						●	●									
	S		●		●			●	●	●	●	●	●											
	H																							
ISO	I.W	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201	
	LNKT1506EN-ZR	14	●		○	●	●	●									○							

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

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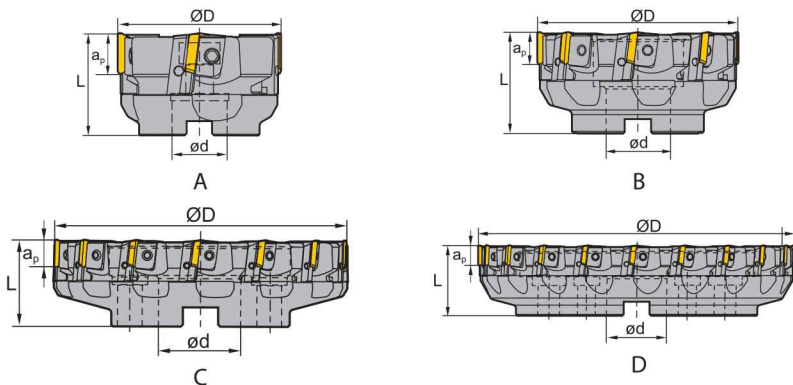
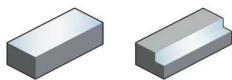
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Face milling

FMP01 Kr: 90°



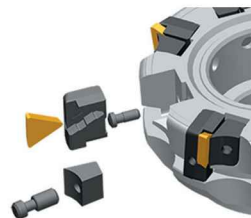
Article	*	Stock		Dimensions [mm]				Teeth	Coupling	kg	Inserts
		R	L	ØD	ød	L	a _{p max}				
FMP01-080-A27-TP22-04	●			80	27	50	18	4	A	1.2	TPKN2204
FMP01-100-B32-TP22-06	●			100	32	50	18	6	B	1.7	
FMP01-125-B40-TP22-08	●	○		125	40	63	18	8	B	3.2	
FMP01-160-B40-TP22-10	●	○		160	40	63	18	10	B	5.1	
FMP01-200-C60-TP22-12	●	○		200	60	63	18	12	C	7.4	
FMP01-250-C60-TP22-16	○	○		250	60	63	18	16	C	12.3	
FMP01-315-D60-TP22-20	○	○		315	60	70	18	20	D	21.9	

● Ex stock ○ On demand

* With internal cooling

Spare parts

	Insert	TPKN2204	
		80-100	125 - 315
	Adjustable screw	LOM5×15.1	LOM5×15.1
	Cassette (left)	LTP4L1	LTP4L
	Cassette (right)	LTP4R1	LTP4R
	Screw (wedge)	WM8×17	WM8×22
	Wedge (left)	W04L	W04L
	Wedge (right)	W04R	W04R
	Wrench (locator)	WT20T	WT20T
	Wrench (wedge)	WT25T	WT25T



System code > B26

Grade selection > B24


Technical info > B527

Cutting data > B230

- Ideal machining conditions
- Normal machining conditions
- Unfavourable machining conditions

TPKN	L	I.C	S
22 04	22	12.7	4.76

Milling inserts

TP** milling insert				HC ¹ (CVD)						HC ¹ (PVD)					HT	HC ²	HW												
ISO				be	bs	an	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201	
	TPKN2204PDFR	1.4	0.7	11°											○														
	TPKN2204PDS32PR	1.4	0.7	11°													○		○										
	TPKN2204PDSKL	1.4	0.7	11°	○																								
	TPKN2204PDSKR	1.4	0.7	11°	●	●		●	●							○				●	●								
	TPKN2204PDTKR	1.4	0.7	11°											●														

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

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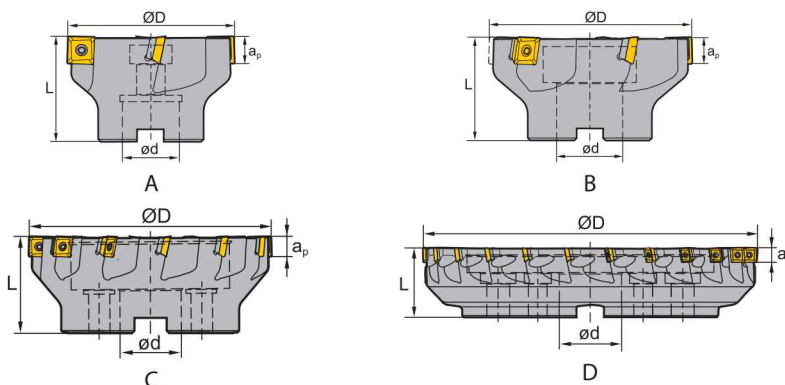
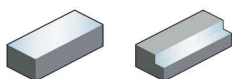
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Face milling

FMP02 Kr: 90°



Article	*	Stock	Dimensions [mm]				Teeth	Coupling	kg	Inserts
			ØD	ød	L	a _{p max}				
FMP02-050-A22-SE09-05		●	50	22	40	6.7	5	A	0.3	SEET09T3
FMP02-050-A22-SE09-05C	*	●	50	22	40	6.7	5	A	0.3	
FMP02-063-A22-SE09-06		●	63	22	40	6.7	6	A	0.5	
FMP02-063-A22-SE09-06C	*	●	63	22	40	6.7	6	A	0.5	
FMP02-080-A27-SE09-08		●	80	27	50	6.7	8	A	0.9	
FMP02-100-B32-SE09-08		○	100	32	50	6.7	8	B	1.7	
FMP02-100-B32-SE09-10		○	100	32	50	6.7	10	B	1.7	
FMP02-100-B32-SE09-10C	*	○	100	32	50	6.7	10	B	1.7	
FMP02-125-B40-SE09-12		●	125	40	63	6.7	12	B	2.6	
FMP02-125-B40-SE09-12C	*	○	125	40	63	6.7	12	B	2.6	
FMP02-050-A22-SE12-03		○	50	22	40	10.8	3	A	0.3	SEET1203
FMP02-050-A22-SE12-03C	*	○	50	22	40	10.8	3	A	0.3	
FMP02-050-A22-SE12-04		●	50	22	40	10.8	4	A	0.3	
FMP02-050-A22-SE12-04C	*	●	50	22	40	10.8	4	A	0.3	
FMP02-050-A22-SE12-05		●	50	22	40	10.8	5	A	0.2	
FMP02-050-A22-SE12-05C	*	○	50	22	40	10.8	5	A	0.2	
FMP02-063-A22-SE12-04		○	63	22	40	10.8	4	A	0.4	
FMP02-063-A22-SE12-05		●	63	22	40	10.8	5	A	0.4	
FMP02-063-A22-SE12-05C	*	●	63	22	40	10.8	5	A	0.4	
FMP02-063-A22-SE12-06		●	63	22	40	10.8	6	A	0.4	
FMP02-063-A22-SE12-06C	*	○	63	22	40	10.8	6	A	0.4	
FMP02-080-A27-SE12-04		○	80	27	50	10.8	4	A	0.9	
FMP02-080-A27-SE12-06		●	80	27	50	10.8	6	A	0.8	
FMP02-080-A27-SE12-06C	*	●	80	27	50	10.8	6	A	0.8	
FMP02-080-A27-SE12-08		●	80	27	50	10.8	8	A	0.8	
FMP02-080-A27-SE12-08C	*	○	80	27	50	10.8	8	A	0.8	
FMP02-100-B32-SE12-05		●	100	32	50	10.8	5	B	1.2	
FMP02-100-B32-SE12-07		●	100	32	50	10.8	7	B	1.2	
FMP02-100-B32-SE12-10		●	100	32	50	10.8	10	B	1.2	

● Ex stock ○ On demand


* With internal cooling

System code > B26

Grade selection > B24

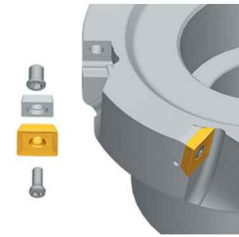





Technical info > B527

Cutting data > B230

Article	*	Stock	Dimensions [mm]				Teeth	Coupling	kg	Inserts 
			ØD	ød	L	a _p max				
FMP02-100-B32-SE12-10C	*	○	100	32	50	10.8	10	B	1.2	SEET1203
FMP02-125-B40-SE12-06		○	125	40	63	10.8	6	B	3.1	
FMP02-125-B40-SE12-08		●	125	40	63	10.8	8	B	3	
FMP02-125-B40-SE12-08C	*	○	125	40	63	10.8	8	B	3	
FMP02-125-B40-SE12-12		●	125	40	63	10.8	12	B	2.9	
FMP02-160-C40-SE12-08		●	160	40	63	10.8	8	C	4.1	
FMP02-160-C40-SE12-12		●	160	40	63	10.8	12	C	3.9	
FMP02-250-C60-SE12-12		○	250	60	63	10.8	12	C	11.1	
FMP02-250-C60-SE12-18		●	250	60	63	10.8	18	C	10.9	
FMP02-315-D60-SE12-24		○	315	60	63	10.8	24	D	21.6	

● Ex stock ○ On demand

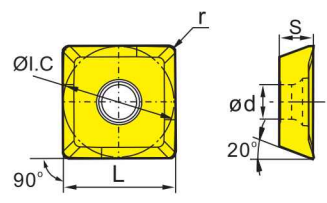

* With internal cooling

Spare parts					
Insert	SEET09T3	SEET1203	SEET1203		
ØD	50-125	50	63-315		
 Screw (insert)	I60M3×7 (1.8 Nm)	I60M3.5×10 (2.7 Nm)	I60M3.5×12 (2.7 Nm)		
 Screw (shim)			SM5×7XA		
 Shim			S12BSX		
 Wrench (shim)			WH35L		
 Wrench (insert)	WT09IS	WT15IS	WT15IS		

Milling inserts

- Ideal machining conditions
- Normal machining conditions
- Unfavourable machining conditions

SEET	L	I.C	S	d
09 T3	9.525	9.525	4.01	3.3
12 03	13.308	13.308	4.04	4.1

SE** milling insert		Material																						
		HC ¹ (CVD)			HC ¹ (PVD)		HT	HC ²	HW															
ISO	r	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201	
	0.8	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	SEET09T308PER-APP														●									

● Ex stock ○ On demand

HC¹ Coated carbide
HT Uncoated cermet
HC² Coated cermet
HW Uncoated carbide

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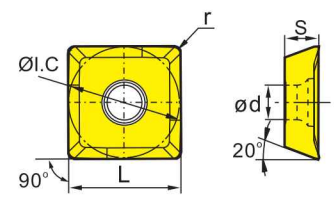

























































































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-  Ideal machining conditions
-  Normal machining conditions
-  Unfavourable machining conditions

SEET	L	I.C	S	d
09 T3	9.525	9.525	4.01	3.3
12 03	13.308	13.308	4.04	4.1

Milling inserts

SE** milling insert		HC ¹ (CVD)						HC ¹ (PVD)					HT	HC ²	HW									
		P																						
		M																						
		K																						
		N																						
		S																						
		H																						
ISO		r	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201
	SEET09T308PER-APM	0.8					○										●							
	SEET09T308PER-APR	0.8					○										○							
	SEET120308PER-APF	0.8					○					○					●							
	SEET120308PER-APM	0.8					●					○					●							
	SEET120308PER-APR	0.8					●					○					●							
	SEET120308-LH	0.8									○	○											●	
	SEET09T308PER-PF	0.8											○											
	SEET120308PER-PF	0.8	○																					
	SEET09T308PER-PM	0.8							○			○												
	SEET120308PER-PM	0.8	○				○	○	○	○		○	○					○						
	SEET09T308PER-PR	0.8							○									○						
	SEET120308PER-PR	0.8	○					○	○	○		○	○					○						

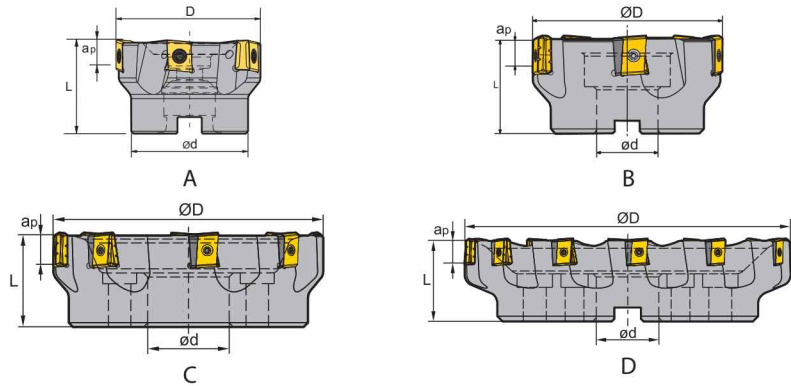
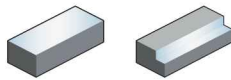
● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide



Face milling

FMP03 Kr: 89°



Article	*	Stock		Dimensions [mm]				Teeth	Coupling	kg	Inserts
		R	L	ØD	ød	L	ap max				
FMP03-050-A22-LN12-04C	*	●		50	22	40	7	4	A	0.3	LNKT120608-ZR
FMP03-050-A22-LN12-05C	*	○		50	22	40	7	5	A	0.3	
FMP03-063-A22-LN12-05C	*	●		63	22	40	7	5	A	0.5	
FMP03-063-A27-LN12-05C	*	○		63	27	50	7	5	A	0.64	
FMP03-063-A22-LN12-06C	*	○		63	22	40	7	6	A	0.5	
FMP03-063-A27-LN12-06C	*	●		63	27	50	7	6	A	0.65	
FMP03-063-A27-LN12-07C	*	○		63	27	50	7	7	A	0.64	
FMP03-080-A27-LN12-06C	*	●		80	27	50	7	6	A	1	
FMP03-080-A27-LN12-07C	*	○		80	27	50	7	7	A	1	
FMP03-100-B32-LN12-06		○		100	32	50	7	6	B	1.47	
FMP03-125-B40-LN15-06		●		125	40	63	12	6	B	3.2	
FMP03-160-C40-LN15-08		●		160	40	63	12	8	C	5.1	
FMP03-160-C40-LN15-09		○		160	40	63	12	9	C		
FMP03-200-C60-LN15-10		●		200	60	70	12	10	C	7.5	
FMP03-250-C60-LN15-12		○		250	60	70	12	12	C	12.2	
FMP03-250-C60-LN15-13		○		250	60	70	12	13	C		
FMP03-315-D60-LN15-16		○		315	60	80	12	16	D	23.7	
FMP03-125-B40-LN20-06		○		125	40	63	16	6	B	3.3	
FMP03-160-C40-LN20-08		●		160	40	63	16	8	C	5.3	
FMP03-200-C60-LN20-10		●		200	60	70	16	10	C	8.8	
FMP03-200-C60-LN20-11		○		200	60	70	16	11	C		
FMP03-250-C60-LN20-12		●		250	60	70	16	12	C	14	
FMP03-315-D60-LN20-15		○		315	60	80	16	15	D	23.9	
FMP03-125-B40-LN25-05		○		125	40	63	20	5	B	3.3	
FMP03-160-C40-LN25-06		○ ○		160	40	63	20	6	C	5.1	
FMP03-200-C60-LN25-08		○		200	60	70	20	8	C	8.9	
FMP03-250-C60-LN25-10		● ○		250	60	70	20	10	C	12	
FMP03-315-D60-LN25-12		○ ○		315	60	80	20	12	D	21.9	

● Ex stock ○ On demand

* With internal cooling

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Grade selection > B24

Technical info > B527

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Spare parts

Insert	LNKT120608-ZR	LNKT1506EN-ZR	LNKT2007DN-ZR	LNKT2510-ZR
ØD	50-100	125 - 315	125 - 315	125 - 315
Screw (insert)	I60M4×12 (3.4 Nm)	I60M4×12 (3.4 Nm)	I60M4×15 (3.4 Nm)	I60M5×17 (6.7 Nm)
Screw (shim)		I60M3×7	I60M3×7	I60M3.5×10.4
Shim		LLN15-ZR	LLN20R-ZR	LLN25R-ZR
Wrench (shim)		WT09IS	WT09IS	WT15IS
Wrench (insert)	WT15IS	WT15IS	WT15IS	
Wrench (insert)				WT20IT



Milling inserts

- Ideal machining conditions
- ⊗ Normal machining conditions
- ⊗ Unfavourable machining conditions

LNKT	L	S	d
12 06	12.7	6.65	4.4
15 06	15.875	6.35	4.6
20 07	20	7.94	4.6
25 10	25	9.525	5.5

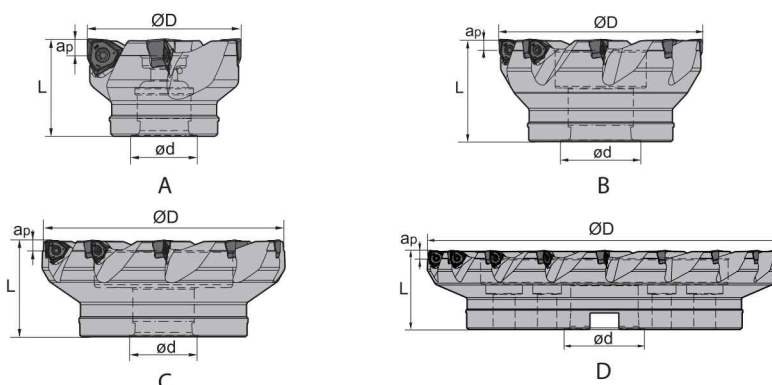
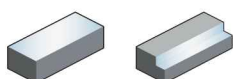
LN** milling insert	HC ¹ (CVD)						HC ¹ (PVD)				HT	HC ²	HW										
	P	M	K	N	S	H																	
	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗												
ISO	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201	
	12	●	●												●								
	14	●		○	●	●	●								○								
	17		●	●	○										●								
	18			●	●										●								

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

Face milling

FMP12 Kr: 90°



Article	*	Stock	Dimensions [mm]			Teeth	Coupling	kg	Inserts
			ØD	ød	a _{p max}				
FMP12-050-A22-WN06-05C	*	○	50	22	5.7	5	A	0.55	WNHU0604
FMP12-063-A22-WN06-06C	*	●	63	22	5.7	6	A	0.45	
FMP12-080-A27-WN06-07C	*	●	80	27	5.7	7	A	1	
FMP12-100-B32-WN06-09		●	100	32	5.7	9	A	1.4	
FMP12-100-B32-WN06-09C	*	●	100	32	5.7	9	A	1.4	
FMP12-125-B40-WN06-11C	*	○	125	40	5.7	11	B	3.4	
FMP12-160-C40-WN06-14		○	160	40	5.7	14	C	5.4	WNHU0806
FMP12-063-A22-WN08-04C	*	●	63	22	7.7	4	A	0.39	
FMP12-063-A22-WN08-05C	*	●	63	22	7.7	5	A	0.45	
FMP12-080-A27-WN08-05C	*	●	80	27	7.7	5	A	0.95	
FMP12-100-B32-WN08-06		●	100	32	7.7	6	B	1.32	
FMP12-100-B32-WN08-06C	*	●	100	32	7.7	6	B	1.32	
FMP12-125-B40-WN08-08C	*	○	125	40	7.7	8	B	3.3	
FMP12-160-C40-WN08-10		○	160	40	7.7	10	C	5.2	
FMP12-200-C60-WN08-12		○	200	60	7.7	12	C		
FMP12-250-C60-WN08-14		○	250	60	7.7	14	C		
FMP12-315-D60-WN08-18		○	315	60	7.7	18	D		

● Ex stock ○ On demand

* With internal cooling

Spare parts			
	Insert	WNHU0604	WNHU0806
	ØD	50-315	50-315
	Screw (insert)	I60M3×9 (1.8 Nm)	I60M4×10 (3.4 Nm)
	Wrench (insert)	WT09IS	
	Wrench (insert)		WT20IT

System code > B26

Grade selection > B24

Technical info > B527

Cutting data > B230



A

Turning

B

Milling

C

Drilling

D

Technical Information

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Index

- Ideal machining conditions
- ⊗ Normal machining conditions
- ⊗ Unfavourable machining conditions

WNHU	L	I.C	S	d
06 04	5.73	9.525	4.704	3.5
08 06	7.76	12.7	6.32	4.4

Milling inserts

WN** negative insert		HC ¹ (CVD)						HC ¹ (PVD)					HT	HC ²	HW										
	P	●	●	●	●	●	●	●	●	●	●	●	●	●											
	M	●	●	●	●	●		●	●	●	●	●	●	●											
	K						●	●	●					●		●									
	N						●								●	●									
	S		●	●					●	●	●	●	●	●											
	H																								
ISO		r	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151		YNG151C	YD101	YD201
	WNHU060404PNR-GM	0.4				○			○							○									
	WNHU060408PNR-GM	0.8				●			○	○						○									
	WNHU080608PNR-GM	0.8				●			●	●						●									
	WNHU080616PNR-GM	1.6				○			●	○															

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

System code > B26

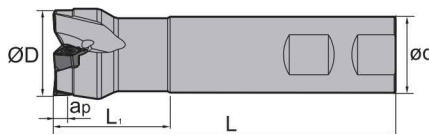
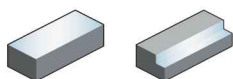
Grade selection > B24

Technical info > B527

Cutting data > B230

Face milling

FMP12 Kr: 90°



Article	*	Stock	Dimensions [mm]					Teeth	Coupling	kg	Inserts
			ØD	ød	L ₁	L	a _{p max}				
FMP12-025-XP25-WN06-02C	*	○	25	25	30	100	5,7	2	XP	0.38	WNHU0604
FMP12-032-XP25-WN06-03C	*	○	32	25	40	120	5,7	3	XP	0.47	
FMP12-040-XP32-WN06-04C	*	○	40	32	40	140	5,7	4	XP	0.85	
FMP12-050-XP40-WN06-05C	*	○	50	40	40	169	5,7	5	XP	1.59	

● Ex stock ○ On demand

* With internal cooling

Spare parts

Insert		WNHU0604	
ØD		25-50	
	Screw (insert)	I60M3x9 (1.8Nm)	
	Wrench (insert)	WT09IS	

System code > B26

Grade selection > B24

Technical info > B527

Cutting data > B230

A

Turning

B

Milling

C

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Index

- Ideal machining conditions
- ✳ Normal machining conditions
- ✳ Unfavourable machining conditions

WNHU	L	I.C	S	d
06 04	5.73	9.525	4.704	3.5

Milling inserts

WN** negative insert		HC ¹ (CVD)						HC ¹ (PVD)					HT	HC ²	HW									
	P	●	●	●	●	●	●	●	●	●	●	●	●	●										
	M	●	●	●	●	●	●	●	●	●	●	●	●	●										
	K					●	●	●					●		●									
	N							●							●	●								
	S		●	●				●	●	●	●	●	●											
	H																							
	ISO	r	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201
	WNHU060404PNR-GM	0.4				○										○								
	WNHU060408PNR-GM	0.8				●			○	○						○								

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

System code > B26

Grade selection > B24

Technical info > B527

Cutting data > B230

IMPORTANT INFORMATION

Notes on using the FMWX series

Please note the following: The milling body is only equipped with two opposing inserts.

Select insert seat **1.1** in combination with **1.2** or insert seat **2.1** in combination with **2.2**.



Fig.: FMWX-063-A27-XE12-04C

Cutting data

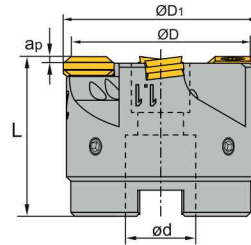
ISO group	Material	v_c (m/min)	F_n [mm/rev]	a_p [mm]
P	Low-alloy steel	300–400	3,50–5,00	0,02–0,05
M	Stainless steels	280–300	3,50–5,00	0,02–0,05
K	Cast steel	300–400	3,50–5,00	0,02–0,05

Face milling

FMWX



Screw Clamping



Article	*	Stock	Dimensions [mm]				Teeth	Coupling	kg	Inserts
			$\varnothing D_1$	$\varnothing d$	L	$a_{p \max}$				
FMWX-050-A22-XE12-04C	*	○	46	22	40	0.1	4	A	0.3	XEEC1209
FMWX-063-A27-XE12-04C	*	○	59	27	40	0.1	4	A	0.5	
FMWX-080-A27-XE12-04C	*	○	76	27	50	0.1	4	A	1	
FMWX-100-B32-XE12-06C	*	○	96	32	50	0.1	6	B	1.9	
FMWX-125-B40-XE12-06C	*	○	121	40	63	0.1	6	B	3.5	

● Ex stock ○ On demand

* With internal cooling

Spare parts		
	Insert	XEEC1209
	$\varnothing D$	50-125
	Screw (insert)	M6M4x10 (3.4 Nm)




System code > B26

Grade selection > B24

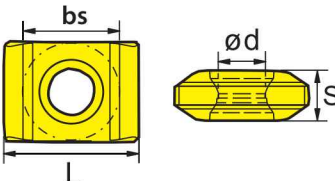

Technical info > B527

Cutting data > B230

XEEC
12 09

-  Ideal machining conditions
-  Normal machining conditions
-  Unfavourable machining conditions

Milling inserts

XE** positive insert		HC ¹ (CVD)						HC ¹ (PVD)					HT	HC ²	HW									
	P																							
	M																							
	K																							
	N																							
	S																							
	H																							
ISO		YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201	
	XEEC120904						●																	

● Ex stock ○ On demand

HC¹ Coated carbide
HT Uncoated cermet
HC² Coated cermet
HW Uncoated carbide

A
Turning

B
Milling

C
Drilling

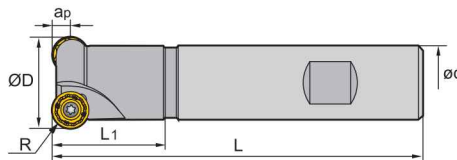
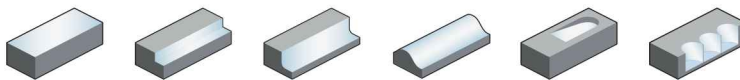
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Face milling

FMR01

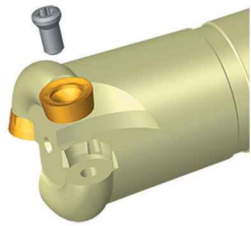


Article	*	Stock	Dimensions [mm]						Teeth	kg	Inserts
			R	ØD	ød	L ₁	L	a _{p max}			
FMR01-025-XP20-RC10-02		○	5	25	20	30	100	5	2	0.2	RCKT10T3
FMR01-025-XP20-RC10-02C	*	○	5	25	20	30	100	5	2	0.2	
FMR01-032-XP25-RC10-02		●	5	32	25	35	120	5	2	0.5	
FMR01-032-XP25-RC10-02C	*	●	5	32	25	35	120	5	2	0.5	
FMR01-040-XP32-RC12-03		●	6	40	32	40	120	6	3	0.7	RCKT1204 RCGX1204
FMR01-040-XP32-RC12-03C	*	●	6	40	32	40	120	6	3	0.7	
FMR01-050-XP32-RC12-03		●	6	50	32	40	120	6	3	0.8	

● Ex stock ○ On demand

* With internal cooling

Spare parts

	Insert	RCKT10T3	RCKT1204 RCGX1204	Image
		ØD	25-32	
	Screw (insert)	I60M4×8.4 (3.4 Nm)	I60M3.5×10 (2.7 Nm)	
	Wrench (insert)	WT15S	WT15S	

System code > B26

Grade selection > B24

Technical info > B527

Cutting data > B230

Milling inserts

- Ideal machining conditions
- Normal machining conditions
- Unfavourable machining conditions

RCKT	I.C	S	d
10 T3	10	3.97	4.4
12 04	12	4.76	4

RC** milling insert		HC ¹ (CVD)						HC ¹ (PVD)					HT	HC ²	HW									
	P	●	●	●	●	●	●	●	●	●	●	●	●	●										
	M	●	●	●	●	●	●	●	●	●	●	●	●	●										
	K							●							●									
	N							●							●									
	S		●	●				●	●	●	●	●	●											
	H																							
ISO		YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201	
	RCKT10T3MO-DM	○										○			●	○								
	RCKT1204MO-DM	○	○		○	●	○					○			●	○								
	RCKT1204MO-DR		○	○		○	●								●									
	RCKT1204MO-ER					●																		
	RCKT1204MO-NM											○												

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

Milling inserts

- Ideal machining conditions
- Normal machining conditions
- Unfavourable machining conditions

RCGX	I.C	S	d
12 04	12	4.76	4

RC** positive insert		HC ¹ (CVD)						HC ¹ (PVD)					HT	HC ²	HW									
	P	●	●	●	●	●	●	●	●	●	●	●	●	●										
	M	●	●	●	●	●	●	●	●	●	●	●	●	●										
	K							●							●									
	N							●							●									
	S		●	●				●	●	●	●	●	●	●										
	H																							
ISO		YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201	
	RCGX1204MO-LH																						●	

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

System code > B26

Grade selection > B24

Technical info > B527

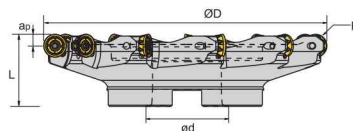
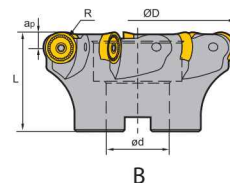
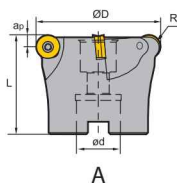
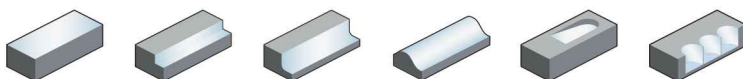
Cutting data > B230



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Face milling

FMR02



C

Article	*	Stock	Dimensions [mm]					Teeth	Coupling	kg	Inserts
			R	ØD	ød	L	a _{p max}				
FMR02-050-A22-RC12-05C	*	●	6	50	22	40	6	5	A	0.7	RCGX1204 RCKT1204 RCMW1204
FMR02-050-A22-RC12-06C	*	○	6	50	22	40	6	6	A	0.7	
FMR02-052-A22-RC12-05C	*	●	6	52	22	40	6	5	A	0.7	
FMR02-063-A22-RC12-04		●	6	63	22	40	6	4	A	0.7	
FMR02-063-A22-RC12-05C	*	●	6	63	22	40	6	5	A	0.7	
FMR02-063-A22-RC12-06		●	6	63	22	40	6	6	A	0.7	
FMR02-063-A22-RC12-06C	*	●	6	63	22	40	6	6	A	0.7	
FMR02-080-A27-RC12-07C	*	●	6	80	27	50	6	7	B	0.7	
FMR02-100-B32-RC12-08C	*	●	6	100	32	50	6	8	B	0.89	
FMR02-063-A22-RC16-04		●	8	63	22	40	8	4	A	0.7	
FMR02-063-A22-RC16-04C	*	○	8	63	22	40	8	4	A	0.7	
FMR02-063-A22-RC16-05C	*	○	8	63	22	40	8	5	A	0.7	
FMR02-066-A27-RC16-05C(FB)	*	●	8	66	27	50	8	5	A	0.5	
FMR02-080-B27-RC16-05		●	8	80	27	50	8	5	B	0.7	
FMR02-080-B27-RC16-07		●	8	80	27	50	8	7	B	0.7	
FMR02-100-B32-RC16-06		●	8	100	32	63	8	6	B	1.2	
FMR02-100-A32-RC16-06C	*	○	8	100	32	63	8	6	B	1.2	
FMR02-125-B40-RC16-07		●	8	125	40	63	8	7	B	2.5	
FMR02-125-B40-RC16-07C	*	○	8	125	40	63	8	7	B	2.5	
FMR02-160-B40-RC16-10(FB)		○	8	160	40	63	8	10	B	3.94	
FMR02-200-C60-RC16-12(FB)		●	8	200	60	63	8	12	C	5.4	
FMR02-080-A27-RC20-04		●	10	80	27	50	10	4	A	0.7	RCKT2006
FMR02-080-A27-RC20-04C(FB)	*	●	10	80	27	50	10	4	A	0.7	
FMR02-100-B32-RC20-05		●	10	100	32	63	10	5	B	1.2	
FMR02-100-B32-RC20-06		●	10	100	32	63	10	6	B	1.2	
FMR02-100-B32-RC20-06C	*	○	10	100	32	63	10	6	B	1.2	
FMR02-125-B32-RC20-05		○	10	125	32	63	10	5	B	1.2	
FMR02-125-B40-RC20-06		●	10	125	40	63	10	6	B	1.2	

● Ex stock ○ On demand

* With internal cooling



System code > B26

Grade selection > B24

Technical info > B527





Cutting data > B230

Indexable milling

Article	*	Stock	Dimensions [mm]					Teeth	Coupling		Inserts 
			R	ØD	ød	L	a _p max				
FMR02-125-B40-RC20-07		●	10	125	40	63	10	7	B	2.2	RCKT2006
FMR02-125-B40-RC20-07C	*	○	10	125	40	63	10	7	B	2.2	
FMR02-160-B40-RC20-08		●	10	160	40	63	10	8	B	4.2	
FMR02-160-B40-RC20-08C	*	○	10	160	40	63	10	8	B	4.2	
FMR02-250-C60-RC20-10		●	10	250	60	63	10	10	C	8.49	
FMR02-250-C60-RC20-11		○	10	250	60	63	10	11	C	8.37	

● Ex stock ○ On demand

* With internal cooling

Spare parts					
	Insert	RCGX1204 RCKT1204 RCMW1204	RCKT1606	RCKT2006	
	ØD	50-100	63-200	80-250	
	Screw (insert)	I60M3.5×10 (2.7 Nm)	I60M5×13 (6.7 Nm)	I43M6×16 (9.1 Nm)	
	Wrench (insert)	WT15IS			
	Wrench (insert)		WT20IT	WT25IT	

System code > B26

Grade selection > B24

Technical info > B527

Cutting data > B230

A

Turning

B

Milling

C

Drilling

D

Technical Information

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Index

- Ideal machining conditions
- ⊗ Normal machining conditions
- ⊗ Unfavourable machining conditions

RCKT	I.C	S	d
12 04	12	4.76	4
16 06	16	6.35	5.56
20 06	20	6.35	6.55

Milling inserts

RC** milling insert		HC ¹ (CVD)						HC ¹ (PVD)						HT	HC ²	HW						
		P	M	K	N	S	H	P	M	K	N	S	H									
		ISO																				
		YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101
	RCKT1204MO-DM	○	○		○	●	○				○				●	○						
	RCKT1606MO-DM	○													●	●						
	RCKT2006MO-DM	○																				
	RCKT1204MO-DR	○	○		○	●								●								
	RCKT1606MO-DR	●	○	●		●	●							●								
	RCKT2006MO-DR	●	○	●		○	●			○					○							
	RCKT1204MO-ER				●																	
	RCKT1606MO-ER				●																	
	RCKT2006MO-ER				●																	
	RCKT1204MO-NM										○											
	RCKT1606MO-NM										○											

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

System code > B26

Grade selection > B24

Technical info > B527

Cutting data > B230

- Ideal machining conditions
- Normal machining conditions
- Unfavourable machining conditions

RCGX	I.C	S	d
12 04	12	4.76	4

Milling inserts

RC** positive insert		HC ¹ (CVD)						HC ¹ (PVD)						HT	HC ²	HW								
	P	●	●	●	●	●	●	●	●	●	●	●	●	●	●									
	M	●	●	●	●	●	●	●	●	●	●	●	●	●	●									
	K							●								●								
	N							●							●	●								
	S		●		●			●	●	●	●	●	●	●										
	H																							
ISO		YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201	
	RCGX1204MO-LH																						●	

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

A

Turning

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Milling

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System code > B26

Grade selection > B24

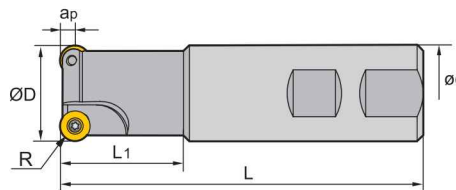
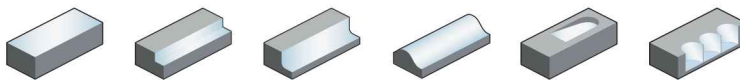
Technical info > B527

Cutting data > B230



Face milling

FMR03



Article	* Stock	Dimensions [mm]							Teeth	kg	Inserts
		R	ØD	ød	L ₁	L	a _{p max}				
FMR03-016-XP16-RD08-02	○	4	16	16	25	100	4	2	0.1		
FMR03-025-XP25-RD08-02	●	4	25	25	30	100	4	2	0.3	RD**0803	
FMR03-025-XP25-RD08-02C	* ○	4	25	25	30	100	4	2	0.3		
FMR03-032-XP32-RD10-02	●	5	32	32	40	120	5	2	0.7	RD**10T3	
FMR03-040-XP32-RD12-03	●	6	40	32	40	120	6	3	0.7		
FMR03-050-XP32-RD12-04	●	6	50	32	40	120	6	4	0.8	RD**1204	

● Ex stock ○ On demand

* With internal cooling

Spare parts

Insert		RD**0803	RD**10T3	RD**1204	
ØD		16-25	32	40-50	
	Screw (insert)	I60M3×7 (1.8 Nm)	I60M4×10 (3.4 Nm)	I60M4×10 (3.4 Nm)	
	Wrench (insert)	WT09IP	WT15IP	WT15IP	

System code > B26

Grade selection > B24

Technical info > B527

Cutting data > B230

Milling inserts

- Ideal machining conditions
- Normal machining conditions
- Unfavourable machining conditions

RDKT
10 T3
12 04

RD** milling insert		HC ¹ (CVD)						HC ¹ (PVD)					HT	HC ²	HW									
	P	●	●	●	●	●	●	●	●	●	●	●	●	●										
	M	●	●	●	●	●		●	●	●	●	●	●	●										
	K						●	●	●					●		●								
	N						●								●	●								
	S			●	●				●	●	●	●	●	●										
	H																							
ISO		YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201	
	RDKT10T3MO-MM																	○						
	RDKT1204MO-MM																	○						

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

Milling inserts

- Ideal machining conditions
- Normal machining conditions
- Unfavourable machining conditions

RDKW	I.C	S	d
08 03	8	3.18	3.4
10 T3	10	3.97	4.4
12 04	12	4.76	4.4

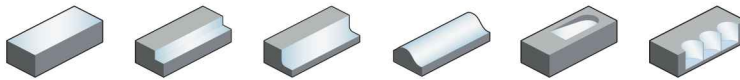
RD** milling insert		HC ¹ (CVD)						HC ¹ (PVD)					HT	HC ²	HW								
	P	●	●	●	●	●	●	●	●	●	●	●	●	●									
	M	●	●	●	●	●		●	●	●	●	●	●	●									
	K						●	●	●					●		●							
	N						●								●	●							
	S			●	●				●	●	●	●	●	●									
	H																						
ISO		YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201
	RDKW0803MO						●																
	RDKW10T3MO	●	○			○			●	○							○						
	RDKW1204MO	●			○	●			●	○				●	●	○							

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

Face milling

FMR03

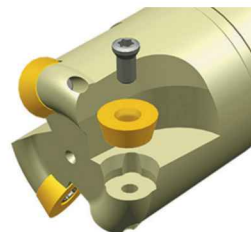


Article	*	Stock	Dimensions [mm]						Teeth	Inserts
			R	ØD	ød	L ₁	L	a _{p max}		
FMR03-015-G16-XS-RD0702-02		●	3.5	15	16	40	88	3.5	2	RDKW0702
FMR03-015-G16-XS-RD0702-02C	*	○	3.5	15	16	40	88	3.5	2	
FMR03-015-G16-S-RD0702-02		●	3.5	15	16	60	108	3.5	2	
FMR03-015-G16-S-RD0702-02C	*	○	3.5	15	16	60	108	3.5	2	
FMR03-015-G20-M-RD0702-02		●	3.5	15	20	80	130	3.5	2	
FMR03-015-G20-M-RD0702-02C	*	○	3.5	15	20	80	130	3.5	2	
FMR03-015-G25-XL-RD0702-02C	*	○	3.5	15	25	120	176	3.5	2	RDKW1003
FMR03-020-G20-XS-RD1003-02C	*	○	5	20	20	40	90	5	2	
FMR03-020-G20-S-RD1003-02C	*	○	5	20	20	60	110	5	2	
FMR03-020-G25-M-RD1003-02C	*	○	5	20	25	80	136	5	2	
FMR03-020-G25-L-RD1003-02C	*	○	5	20	25	100	156	5	2	
FMR03-020-G25-XL-RD1003-02C	*	○	5	20	25	120	176	5	2	

● Ex stock ○ On demand

* With internal cooling

Spare parts			
	Insert	RDKW0702	RDKW1003
	ØD	15	20
	Screw (insert)		I60M3.5x6.5TT (2.7Nm)
	Screw (insert)	I60M2.5x5.0 (1.0Nm)	
	Wrench (insert)		WT10IP
	Wrench (insert)	WT07P	



System code > B26

Grade selection > B24

Technical info > B527

Cutting data > B230

Milling inserts

- Ideal machining conditions
- Normal machining conditions
- Unfavourable machining conditions

RDkW	I.C	S	d
07 02	7	2.38	2.7
10 03	10	3.18	3.9

RD** milling insert		HC ¹ (CVD)						HC ¹ (PVD)						HT	HC ²	HW								
	P	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●								
	M	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●								
	K					●	●	●						●		●								
	N							●							●	●								
	S		●	●				●	●	●	●	●	●											
	H																							
ISO		YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201	
	RDkW0702MO-1					●					○			●										
	RDkW0702MO-2									●														
	RDkW1003MO-1					○	●				○			●	●									
	RDkW1003MO-2									●														
	RDkW1003MO-3				●										●									

● Ex stock ○ On demand

Important information on the cutting edge design can be found on page B102.

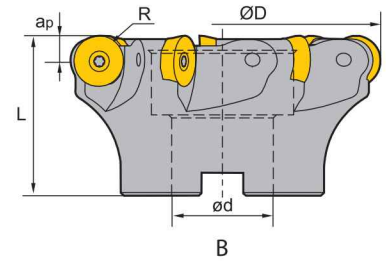
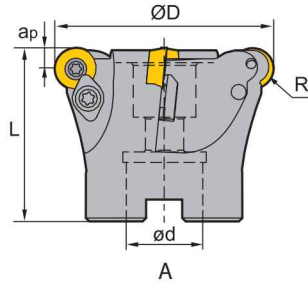
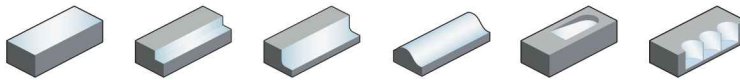
HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

A Turning
B Milling
C Drilling
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Face milling

FMR04



Article	*	Stock	Dimensions [mm]					Teeth	Coupling	kg	Inserts
			R	ØD	ød	L	ap _{max}				
FMR04-050-A22-RD12-03		●	6	50	22	40	6	3	A	0.3	RD**1204
FMR04-063-A22-RD12-04		●	6	63	22	50	6	4	A	0.5	
FMR04-080-B27-RD16-05		●	8	80	27	50	8	5	B	1.2	RD**1605
FMR04-100-B32-RD16-06		●	8	100	32	50	8	6	B	1	
FMR04-100-B32-RD20-06C	*	○	10	100	32	50	8	6	B	1	RD**2006
FMR04-125-B40-RD20-06		○	10	125	40	63	10	6	B	1.9	
FMR04-125-B40-RD20-06C	*	○	10	125	40	63	10	6	B	1.9	
FMR04-160-B40-RD20-07		○	10	160	40	63	10	7	B	3.7	

● Ex stock ○ On demand

* With internal cooling

Spare parts		RD**1204	RD**1605	RD**2006
	Insert	50-63	80-100	100-160
	Clamp	WD-204	WD-207	
	Screw (clamp)	I60M4×10 (3.4 Nm)	I60M5×13 (6.7 Nm)	
	Screw (insert)	I60M3.5×10 (2.7 Nm)	I60M5×13 (6.7 Nm)	I43M6×16 (9.1 Nm)
	Wrench (clamp)	WT15IP		
	Wrench (clamp)		WT20IT	
	Wrench (insert)	WT15IP		
	Wrench (insert)		WT20IT	WT25IT



System code > B26

Grade selection > B24

Technical info > B527

Cutting data > B230

RDKT
12 04

- Ideal machining conditions
- Normal machining conditions
- Unfavourable machining conditions

Milling inserts

RD** milling insert		HC ¹ (CVD)						HC ¹ (PVD)					HT	HC ²	HW								
	P	●	●	●	●	●	●	●	●	●	●	●	●	●									
	M	●	●	●	●	●		●	●	●	●	●	●	●									
	K					●	●	●							●								
	N						●								●								
	S		●	●				●	●	●	●	●	●										
	H																						
ISO		YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201
	RDKT1204MO-MM																○						

● Ex stock ○ On demand

HC¹ Coated carbide
HT Uncoated cermet
HC² Coated cermet
HW Uncoated carbide

A
Turning

B
Milling

- Ideal machining conditions
- Normal machining conditions
- Unfavourable machining conditions

RDKW	I.C	S	d
12 04	12	4.76	4.4
16 05	16	5.56	5.5
20 06	20	6.35	6.5

Milling inserts

RD** milling insert		HC ¹ (CVD)						HC ¹ (PVD)					HT	HC ²	HW								
	P	●	●	●	●	●	●	●	●	●	●	●	●	●									
	M	●	●	●	●	●		●	●	●	●	●	●	●									
	K					●	●	●							●								
	N						●								●								
	S		●	●				●	●	●	●	●	●	●									
	H																						
ISO		YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201
	RDKW1204MO	●			○	●				●	○			●	●	○							
	RDKW1605MO					○					○	○					○						
	RDKW2006MO		○			○	○																
	RDKW2006MO-3													●									

● Ex stock ○ On demand

HC¹ Coated carbide
HT Uncoated cermet
HC² Coated cermet
HW Uncoated carbide

Important information on the cutting edge design can be found on page B102.

C
Drilling

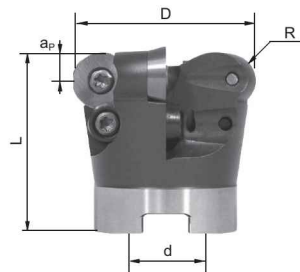
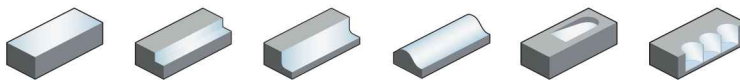
D
Technical Information

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Face milling

FMR04



Article	*	Stock	Dimensions [mm]					Teeth	Inserts
			R	ØD	ød	L	a _p max		
FMR04-042-A16-RD1003-06		○	5	42	16	44	5	6	RDKW1003
FMR04-042-A16-RD1003-06C	*	●	5	42	16	44	5	6	
FMR04-052-A22-RD1003-07		○	5	52	22	50	5	7	RDKW12T3
FMR04-052-A22-RD1003-07C	*	●	5	52	22	50	5	7	
FMR04-042-A16-RD12T3-05		○	6	42	16	42	6	5	RDKW12T3
FMR04-042-A16-RD12T3-05C	*	●	6	42	16	42	6	5	
FMR04-052-A22-RD12T3-05		○	6	52	22	50	6	5	RDKW1604
FMR04-052-A22-RD12T3-05C	*	●	6	52	22	50	6	5	
FMR04-066-A27-RD12T3-06		○	6	66	27	50	6	6	RDKW1604
FMR04-066-A27-RD12T3-06C	*	●	6	66	27	50	6	6	
FMR04-080-A27-RD12T3-07		○	6	80	27	50	6	7	RDKW1604
FMR04-080-A27-RD12T3-07C	*	●	6	80	27	50	6	7	
FMR04-052-A22-RD1604-04		○	8	52	22	50	8	4	RDKW1604
FMR04-052-A22-RD1604-04C	*	●	8	52	22	50	8	4	
FMR04-066-A27-RD1604-05		○	8	66	27	50	8	5	RDKW1604
FMR04-066-A27-RD1604-05C	*	●	8	66	27	50	8	5	
FMR04-080-A27-RD1604-06		○	8	80	27	52	8	6	RDKW1604
FMR04-080-A27-RD1604-06C	*	●	8	80	27	52	8	6	
FMR04-100-B32-RD1604-07		○	8	100	32	52	8	7	RDKW1604
FMR04-100-B32-RD1604-07C	*	●	8	100	32	52	8	7	
FMR04-125-B40-RD1604-08		○	8	125	40	52	8	8	RDKW1604
FMR04-160-B40-RD1604-09		○	8	160	40	52	8	9	
FMR04-160-B40-RD1604-09C	*	●	8	160	40	52	8	9	

● Ex stock ○ On demand

* With internal cooling

System code > B26

Grade selection > B24

Technical info > B527

Cutting data > B230

Spare parts						
Insert	RDKW1003	RDKW12T3	RDKW12T3	RDKW1604	RDKW1604	
ØD	42-52	42	52-80	52	66-160	
	Clamp					WX16N
	Clamp			LOM3.5x7.1		
	Screw (clamp)					I60M4.5x10 (5.0Nm)
	Screw (insert)	I60M3.5x6.5TT (2.7Nm)				
	Screw (insert)		I60M3.5x7.7 (2.7 Nm)	I60M3.5x7.7 (2.7 Nm)	I60M4.5x10 (5.0 Nm)	I60M4.5x10 (5.0 Nm)
	Wrench (clamp)			WT15P		
	Wrench (clamp)					WT20T
	Wrench (insert)	WT10IP				
	Wrench (insert)		WT15P	WT15P		
	Wrench (insert)				WT20T	WT20T

Milling inserts

- Ideal machining conditions
- Normal machining conditions
- Unfavourable machining conditions

RDKW	I.C	S	d
10 03	10	3.18	3.9
12 T3	12	3.97	3.9
16 04	16	4.76	5.2

RD** milling insert		HC ¹ (CVD)						HC ¹ (PVD)						HT	HC ²	HW								
		P	M	K	N	S	H	P	M	K	N	S	H											
ISO		YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201	
	RDKW1003MO-1																							
	RDKW1003MO-2																							
	RDKW1003MO-3																							
	RDKW12T3MO-1																							
	RDKW12T3MO-2																							
	RDKW12T3MO-3																							
	RDKW1604MO-1																							
	RDKW1604MO-2																							
	RDKW1604MO-3																							

● Ex stock ○ On demand

Important information on the cutting edge design can be found on page B102.

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

System code > B26

Grade selection > B24

Technical info > B527

Cutting data > B230



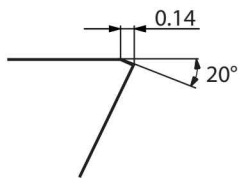
IMPORTANT INFORMATION

Cutting edge design RDKW

RDKW*MO-1



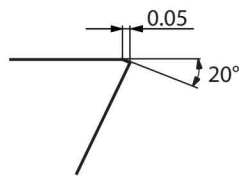
General machining



RDKW*MO-2



Soft cutting geometry
(Finishing)



RDKW*MO-3



Roughing

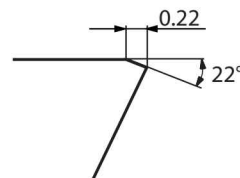
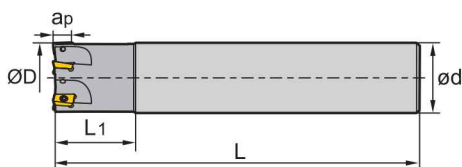


Fig.: FMR04-052-B22-RD12T3-05C

Square shoulder milling

EMP01 Kr: 90°



Straight shank

Article	*	Stock	Dimensions [mm]					Teeth	kg	Inserts
			$\varnothing D$	$\varnothing d$	L_1	L	$a_{p \max}$			
EMP01-012-G12-AP07-02C	*	●	12	12	25	75	6.4	2	0.31	APKT0702
EMP01-014-G16-AP07-03C	*	●	14	16	25	85	6.4	3	0.61	
EMP01-016-G16-AP07-04C	*	●	16	16	30	90	6.4	4	0.75	
EMP01-012-G16-AP11-01		●	12	16	25	85	10.5	1	0.1	APKT11T3
EMP01-016-G16-AP11-02		●	16	16	25	90	10.5	2	0.1	
EMP01-016-G16-AP11-02C	*	○	16	16	25	90	10.5	2	0.1	
EMP01-020-G20-AP11-02		●	20	20	30	100	10.5	2	0.2	
EMP01-020-G20-AP11-02C	*	●	20	20	30	100	10.5	2	0.2	
EMP01-020-G20-AP11-03		○	20	20	30	100	10.5	3	0.2	
EMP01-020-G20-AP11-03C	*	●	20	20	30	100	10.5	3	0.2	
EMP01-025-G25-AP11-03		●	25	25	35	115	10.5	3	0.4	
EMP01-025-G25-AP11-03C	*	○	25	25	35	115	10.5	3	0.4	
EMP01-025-G25-AP11-04		●	25	25	35	115	10.5	4	0.4	
EMP01-025-G25-AP11-04C	*	●	25	25	35	115	10.5	4	0.4	
EMP01-032-G32-AP11-04		●	32	32	40	125	10.5	4	0.7	APKT1604
EMP01-025-G25-AP16-02		●	25	25	35	115	15.5	2	0.4	
EMP01-025-G25-AP16-02C	*	●	25	25	35	115	15.5	2	0.4	
EMP01-032-G32-AP16-03		●	32	32	40	125	15.5	3	0.7	
EMP01-032-G32-AP16-03C	*	●	32	32	40	125	15.5	3	0.7	
EMP01-040-G32-AP16-03		●	40	32	42	130	15.5	3	0.7	
EMP01-040-G32-AP16-03C	*	●	40	32	42	130	15.5	3	0.7	
EMP01-040-G32-AP16-04C	*	○	40	32	42	130	15.5	4	0.8	
EMP01-050-G32-AP16-05		●	50	32	45	135	15.5	5	1	
EMP01-063-G32-AP16-06		●	63	32	45	135	15.5	6	1.4	

● Ex stock ○ On demand

* With internal cooling

System code > B26




Grade selection > B24

Technical info > B527

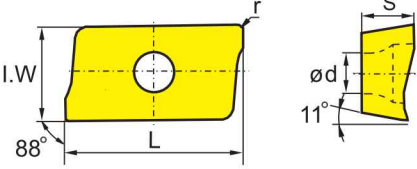





Cutting data > B230



Milling inserts

-  Ideal machining conditions
-  Normal machining conditions
-  Unfavourable machining conditions

APKT	L	S	d
07 02	4.26	2.38	2
11 T3	12.24	3.6	2.8
16 04	17.877	5.76	4.4

AP** milling insert			HC ¹ (CVD)						HC ¹ (PVD)					HT	HC ²	HW								
			P	M	K	N	S	H																
ISO	r	I.W	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201
															●				●					
															●				●					
	0.4	6.5			○		○						○	○					○					
	0.8	6.5											○											
	1.6	6.5											○											
	0.8	9.33			○			○					○						○					
	3	9.33	○																					
	0.4	6.5	○	○	○		○	○					○	○					○					
	0.8	6.5	○	○	○		○	○	●	○	○		○	○					○	○				
	1.2	6.5					○						○	○					○					
	1.6	6.5					○						○	○					○					
	0.8	9.33	○	○	○	●		●	○	○			○	○					●					
	1.6	9.33	○										○											
	0.4	6.5						○											○					
	1.6	6.5																	○					
										●									●					

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

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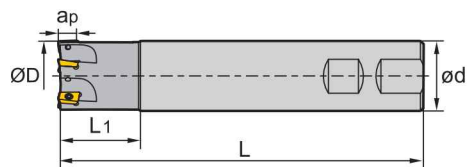
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Square shoulder milling

EMP01 Kr: 90°



Weldon shank

Article	*	Stock	Dimensions [mm]					Teeth	kg	Inserts
			ØD	ød	L ₁	L	a _{p max}			
EMP01-020-XP20-AP07-05C	*	●	20	20	30	100	6.4	5	0.31	APKT0702
EMP01-025-XP25-AP07-07C	*	●	25	25	35	115	6.4	7	0.61	
EMP01-012-XP16-AP11-01		●	12	16	25	85	10.5	1	0.1	APKT11T3
EMP01-012-XP16-AP11-01C	*	○	12	16	25	85	10.5	1	0.1	
EMP01-016-XP16-AP11-02		●	16	16	25	90	10.5	2	0.1	
EMP01-016-XP16-AP11-02C	*	○	16	16	25	90	10.5	2	0.1	
EMP01-020-XP20-AP11-02		●	20	20	30	100	10.5	2	0.2	
EMP01-020-XP20-AP11-02C	*	○	20	20	30	100	10.5	2	0.2	
EMP01-020-XP20-AP11-03		●	20	20	30	100	10.5	3	0.2	
EMP01-020-XP20-AP11-03C	*	●	20	20	30	100	10.5	3	0.2	
EMP01-025-XP25-AP11-03		●	25	25	35	115	10.5	3	0.4	
EMP01-025-XP25-AP11-03C	*	●	25	25	35	115	10.5	3	0.4	
EMP01-025-XP25-AP11-04		●	25	25	35	115	10.5	4	0.4	
EMP01-025-XP25-AP11-04C	*	○	25	25	35	115	10.5	4	0.4	
EMP01-032-XP32-AP11-04		●	32	32	40	125	10.5	4	0.7	APKT1604
EMP01-032-XP32-AP11-04C	*	○	32	32	40	125	10.5	4	0.7	
EMP01-025-XP25-AP16-02		●	25	25	35	115	15.5	2	0.4	
EMP01-025-XP25-AP16-02C	*	○	25	25	35	115	15.5	2	0.4	
EMP01-032-XP32-AP16-03		●	32	32	40	125	15.5	3	0.7	
EMP01-032-XP32-AP16-03C	*	○	32	32	40	125	15.5	3	0.7	
EMP01-040-XP32-AP16-04		●	40	32	42	130	15.5	4	0.8	
EMP01-040-XP32-AP16-04C	*	○	40	32	42	130	15.5	4	0.8	
EMP01-050-XP32-AP16-05		●	50	32	45	135	15.5	5	1	
EMP01-063-XP32-AP16-06		○	63	32	45	135	15.5	6	1.4	

● Ex stock ○ On demand

* With internal cooling

System code > B26

Grade selection > B24

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Cutting data > B230

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- Ideal machining conditions
- ⊗ Normal machining conditions
- ⊗ Unfavourable machining conditions

APKT	L	S	d
07 02	4.26	2.38	2
11 T3	12.24	3.6	2.8
16 04	17.877	5.76	4.4

Milling inserts

AP** milling insert			HC ¹ (CVD)						HC ¹ (PVD)					HT	HC ²	HW					
ISO	r	l.W	P	M	K	N	S	H													
			YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151
																					
	0.4	6.5																			
	0.8	6.5																			
	1.6	6.5																			
	0.8	9.33																			
	3	9.33																			
	0.4	6.5																			
	0.8	6.5																			
	1.2	6.5																			
	1.6	6.5																			
	0.8	9.33																			
	1.6	9.33																			
	0.4	6.5																			
	1.6	6.5																			
																					

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

System code > B26

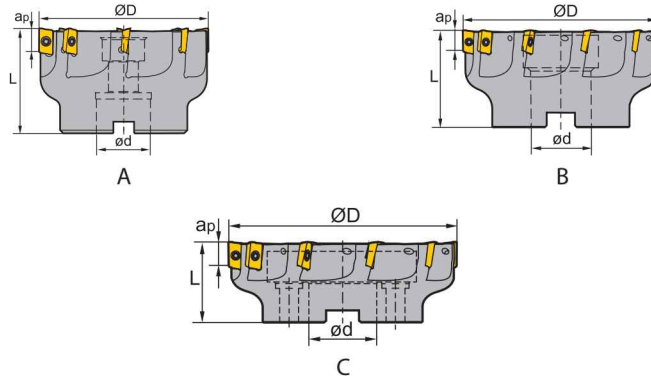
Grade selection > B24

Technical info > B527

Cutting data > B230

Square shoulder milling

EMP02 Kr: 90° 



Article	*	Stock	Dimensions [mm]				Teeth	Coupling	kg	Inserts
			ØD	ød	L	a _p max				
EMP02-032-A16-AP07-08C	*	●	32	16	35	6.4	8	A	0.34	APKT0702
EMP02-040-A16-AP07-10C	*	●	40	16	40	6.4	10	A	0.4	
EMP02-050-A22-AP07-12C	*	●	50	22	40	6.4	12	A	0.6	
EMP02-040-A16-AP11-04C	*	●	40	16	40	11	4	A	0.237	
EMP02-040-A16-AP11-05C	*	●	40	16	40	11	5	A	0.177	
EMP02-040-A16-AP11-06C	*	●	40	16	40	11	6	A	0.234	
EMP02-050-A22-AP11-06		●	50	22	40	11	6	A	0.3	APKT11T3
EMP02-050-A22-AP11-06C	*	●	50	22	40	11	6	A	0.3	
EMP02-050-A22-AP11-07C	*	●	50	22	40	11	7	A	0.39	
EMP02-063-A22-AP11-08		●	63	22	40	11	8	A	0.6	
EMP02-063-A22-AP11-08C	*	●	63	22	40	11	8	A	0.6	
EMP02-063-A22-AP11-09C	*	●	63	22	40	11	9	A	0.54	
EMP02-080-A27-AP11-08		●	80	27	50	11	8	A	1.2	
EMP02-080-A27-AP11-08C	*	●	80	27	50	11	8	A	1.2	
EMP02-080-A27-AP11-10C	*	●	80	27	50	11	10	A	1.13	
EMP02-100-B32-AP11-10		●	100	32	50	11	10	B	1.7	
EMP02-100-B32-AP11-10C	*	○	100	32	50	11	10	B	1.7	
EMP02-125-B40-AP11-10		○	125	40	63	11	10	B	3.42	APKT1604
EMP02-040-A16-AP16-03		○	40	16	40	15.5	3	A	0.17	
EMP02-040-A16-AP16-04C	*	●	40	16	40	15.5	4	A	0.17	
EMP02-050-A22-AP16-05		●	50	22	40	15.5	5	A	0.3	
EMP02-050-A22-AP16-05C	*	●	50	22	40	15.5	5	A	0.3	
EMP02-063-A22-AP16-06		●	63	22	40	15.5	6	A	0.5	
EMP02-063-A22-AP16-06C	*	●	63	22	40	15.5	6	A	0.5	
EMP02-080-A27-AP16-06C	*	○	80	27	50	15.5	6	A	1.08	
EMP02-080-A27-AP16-07		●	80	27	50	15.5	7	A	1.1	
EMP02-080-A27-AP16-07C	*	●	80	27	50	15.5	7	A	1.1	
EMP02-100-B32-AP16-08		●	100	32	50	15.5	8	B	1.6	

● Ex stock ○ On demand

* With internal cooling

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Grade selection > B24

Technical info > B527

Cutting data > B230





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Article	*	Stock	Dimensions [mm]				Teeth	Coupling		Inserts 
			ØD	ød	L	a _{p max}				
EMP02-100-B32-AP16-08C	*	●	100	32	50	15.5	8	B	1.6	APKT1604
EMP02-125-B40-AP16-06C	*	○	125	40	63	15.5	6	B	3.18	
EMP02-125-B40-AP16-10		○	125	40	63	15.5	10	B	3.2	
EMP02-125-B40-AP16-10C	*	○	125	40	63	15.5	10	B	3.2	
EMP02-160-B40-AP16-07C	*	○	160	40	63	15.5	7	B	4.3	
EMP02-160-B40-AP16-10		○	160	40	63	15.5	10	B	6.3	
EMP02-160-B40-AP16-10C	*	○	160	40	63	15.5	10	B	6.3	
EMP02-200-C60-AP16-12		○	200	60	63	15.5	12	C	8.1	
EMP02-250-C60-AP16-12		○	250	60	63	15.5	12	C	11.2	

● Ex stock ○ On demand

* With internal cooling

B

Milling

Spare parts					
	Insert	APKT11T3	APKT1604	APKT1604	
	ØD	40-125	40-160	160-250	
	Cassette			Locator-APKT16	
	Screw (insert)		I60M4×10 (3.4 Nm)	I60M4×10 (3.4 Nm)	
	Screw (insert)	I60M2.5×6.5T (1.0Nm)			
	Wrench (insert)	WT08IS	WT15IS	WT15IS	

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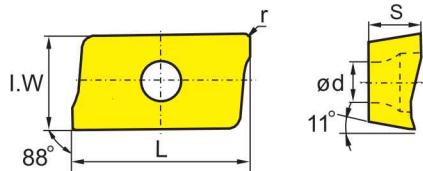
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Cutting data > B230

APKT	L	S	d
07 02	4.26	2.38	2
11 T3	12.24	3.6	2.8
16 04	17.877	5.76	4.4

- Ideal machining conditions
- Normal machining conditions
- Unfavourable machining conditions

Milling inserts



APKT** milling insert			HC ¹ (CVD)						HC ¹ (PVD)					HT	HC ²	HW										
			P	M	K	N	S	H																		
ISO		r	I.W	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201	
	APKT11T304-ALH	0.4	6.5																							
	APKT11T308-ALH	0.8	6.5																							
	APKT160408-ALH	0.8	9.33																							
	APKT11T304-APF	0.4	6.5																							
	APKT11T308-APF	0.8	6.5																							
	APKT160408-APF	0.8	9.33																							
	APKT070204-APM	0.4	6.91																							
	APKT11T304-APM	0.4	6.5																							
	APKT11T308-APM	0.8	6.5																							
	APKT11T312-APM	1.2	6.5																							
	APKT11T316-APM	1.6	6.5																							
	APKT11T320-APM	2	6.5																							
	APKT160408-APM	0.8	9.33																							
	APKT160416-APM	1.6	9.33																							
	APKT160420-APM	2	9.33																							
	APKT160424-APM	2.4	9.33																							
	APKT11T304-LH	0.4	6.5																							
	APKT11T308-LH	0.8	6.5																							
	APKT160408-LH	0.8	9.33																							
	APKT11T308-NM																									
	APKT11T312-NM																									
	APKT11T304-PF	0.4	6.5																							
	APKT11T308-PF	0.8	6.5																							
	APKT11T316-PF	1.6	6.5																							
	APKT160408-PF	0.8	9.33																							
	APKT160430-PF	3	9.33																							
	APKT11T304-PM	0.4	6.5																							
	APKT11T308-PM	0.8	6.5																							
	APKT11T312-PM	1.2	6.5																							
	APKT11T316-PM	1.6	6.5																							
	APKT160408-PM	0.8	9.33																							
	APKT160416-PM	1.6	9.33																							

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide



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APKT	L	S	d
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11 T3	12.24	3.6	2.8
16 04	17.877	5.76	4.4

- Ideal machining conditions
- Normal machining conditions
- Unfavourable machining conditions

Milling inserts

AP** milling insert			HC ¹ (CVD)						HC ¹ (PVD)						HT	HC ²	HW								
ISO	r	I.W	P	M	K	N	S	H																	
						YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C
		0.4	6.5					○										○							
		1.6	6.5																						
									●									●							

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

System code > B26

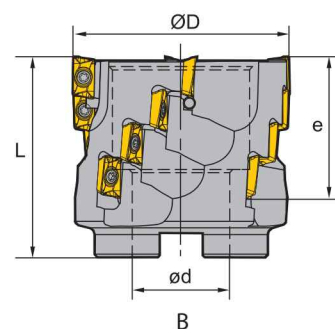
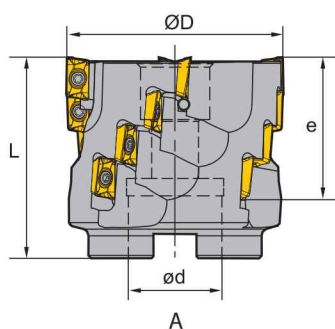
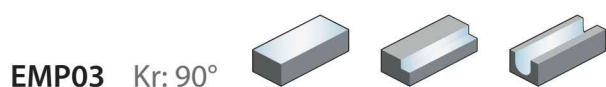
Grade selection > B24


Technical info > B527

Cutting data > B230



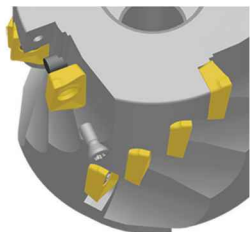


Square shoulder milling



Article	*	Stock	Dimensions [mm]				Teeth	Coupling	No. of inserts	kg	Inserts
			ØD	e	ød	L					
EMP03-050-A22-AP11-04		●	50	39	22	58	4	A	16	0.5	 APKT11T3
EMP03-050-A22-AP11-04C	*	○	50	39	22	58	4	A	16	0.5	
EMP03-063-A27-AP11-04		●	63	39	27	58	4	A	16	0.9	
EMP03-063-A27-AP11-04C	*	○	63	39	27	58	4	A	16	0.9	
EMP03-080-B32-AP11-05		●	80	39	32	63	5	B	20	1.3	
EMP03-080-B32-AP11-05C	*	○	80	39	32	63	5	B	20	1.3	
EMP03-100-B40-AP11-06		●	100	39	40	63	6	B	24	2	
EMP03-100-B40-AP11-06C	*	○	100	39	40	63	6	B	24	2	

● Ex stock ○ On demand

* With internal cooling

Spare parts			
	Insert ØD	APKT11T3 50-100	
	Screw (insert)	I60M2.5x6.5T (1.0Nm)	
	Wrench (insert)	WT08IS	

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- Ideal machining conditions
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- ⊗ Unfavourable machining conditions

APKT	L	S	d
11 T3	12.24	3.6	2.8

Milling inserts

AP** milling insert		HC ¹ (CVD)						HC ¹ (PVD)					HT	HC ²	HW			
		P	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	●	●	●	
		M	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	●	●	●
		K							⊗	⊗								
		N							⊗									
		S							⊗	⊗								
		H																

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ISO	r	I.W	Machining Conditions																					
			YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201
APKT11T304-ALH	0.4	6.5							●														●	●
APKT11T308-ALH	0.8	6.5							●														●	●
APKT11T304-APF	0.4	6.5														●								
APKT11T308-APF	0.8	6.5											○		●		○							
APKT11T304-APM	0.4	6.5				●		●							●									
APKT11T308-APM	0.8	6.5				●		●					○		●		○							
APKT11T312-APM	1.2	6.5				●		●							●									
APKT11T316-APM	1.6	6.5				●		●							●									
APKT11T320-APM	2	6.5				●		●							●									
APKT11T304-LH	0.4	6.5																					○	○
APKT11T308-LH	0.8	6.5																					○	●
APKT11T308-NM														●			●							
APKT11T312-NM														●			●							
APKT11T304-PF	0.4	6.5	○		○					○	○					○								
APKT11T308-PF	0.8	6.5									○													
APKT11T316-PF	1.6	6.5									○													
APKT11T304-PM	0.4	6.5	○	○	○	○	○			○	○					○								
APKT11T308-PM	0.8	6.5	○	○	○	○	○	●	○	○	○			○		○								
APKT11T312-PM	1.2	6.5				○				○	○					○								
APKT11T316-PM	1.6	6.5				○				○	○					○								
APKT11T304-PR	0.4	6.5						○								○								
APKT11T316-PR	1.6	6.5														○								
APKT11T3XR									●							●								

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

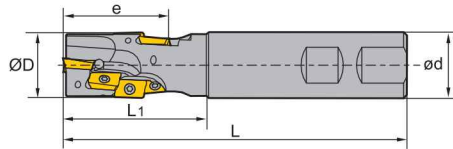
System code > B26

Grade selection > B24


Technical info > B527

Cutting data > B230

Square shoulder milling



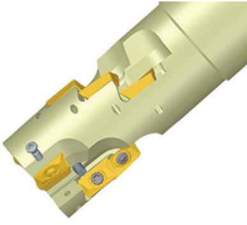


Weldon shank

Article	* Stock	Dimensions [mm]					Teeth	No. of inserts	kg	Inserts 
		ØD	e	ød	L ₁	L				
EMP04-020-XP20-AP11-01	●	20	29.4	20	45	120	1	3	0.3	APKT11T3
EMP04-025-XP25-AP11-02	●	25	38.9	25	55	130	2	8	0.4	
EMP04-032-XP32-AP11-02	●	32	48.5	32	65	140	2	10	0.7	
EMP04-040-XP40-AP11-02	●	40	58	40	75	150	2	14	1.3	

● Ex stock ○ On demand

* With internal cooling

Spare parts

Insert		APKT11T3	
ØD		20-40	
	Screw (insert)	I60M2.5x6.5T (1.0Nm)	
	Wrench (insert)	WT08IS	

System code > B26

Grade selection > B24

Technical info > B527

Cutting data > B230



Indexable milling Square shoulder milling

A

Turning

- Ideal machining conditions
- ⊗ Normal machining conditions
- ⊗ Unfavourable machining conditions

APKT	L	S	d
11 T3	12.24	3.6	2.8

Milling inserts

AP** milling insert		HC ¹ (CVD)						HC ¹ (PVD)					HT	HC ²	HW		
		P	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	●	●	●
		M	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	●	●	●
		K							⊗	⊗							⊗
		N							⊗							⊗	⊗
		S		⊗	⊗				⊗	⊗	⊗	⊗	⊗				
		H															

B

Milling

C

Drilling

D

Technical Information

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ISO	r	I.W	Machining Conditions																					
			YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201
APKT11T304-ALH	0.4	6.5							●														●	●
APKT11T308-ALH	0.8	6.5							●														●	●
APKT11T304-APF	0.4	6.5														●								
APKT11T308-APF	0.8	6.5										○			●	○								
APKT11T304-APM	0.4	6.5				●		●							●									
APKT11T308-APM	0.8	6.5				●		●				○			●	○								
APKT11T312-APM	1.2	6.5				●		●							●									
APKT11T316-APM	1.6	6.5				●		●							●									
APKT11T320-APM	2	6.5				●		●							●									
APKT11T304-LH	0.4	6.5																				○	○	
APKT11T308-LH	0.8	6.5																				○	●	
APKT11T308-NM													●			●								
APKT11T312-NM													●			●								
APKT11T304-PF	0.4	6.5	○		○					○	○					○								
APKT11T308-PF	0.8	6.5									○													
APKT11T316-PF	1.6	6.5									○													
APKT11T304-PM	0.4	6.5	○	○	○	○	○			○	○					○								
APKT11T308-PM	0.8	6.5	○	○	○	○	●	○	○		○			○	○									
APKT11T312-PM	1.2	6.5				○					○					○								
APKT11T316-PM	1.6	6.5				○					○					○								
APKT11T304-PR	0.4	6.5						○								○								
APKT11T316-PR	1.6	6.5														○								
APKT11T3XR									●						●									

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

System code > B26

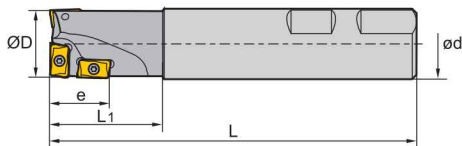
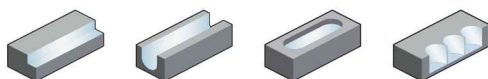
Grade selection > B24

Technical info > B527


Cutting data > B230

Square shoulder milling

EMP05 Kr: 90°





Weldon shank

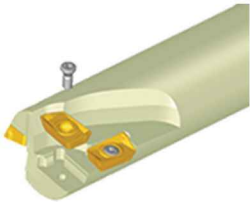
Article	*	Stock	Dimensions [mm]					Teeth	kg	Inserts 
			ØD	e	ød	L ₁	L			
EMP05-025-XP25-C	*	●	25	20	25	40	130	3	0.5	APMT1135

● Ex stock ○ On demand

* With internal cooling

Spare parts

Insert		APMT1135
ØD		25
	Screw (insert)	I60M2.5x6.5T (1.0Nm)
	Wrench (insert)	WT08IP



System code > B26

Grade selection > B24

Technical info > B527

Cutting data > B230

Indexable milling Square shoulder milling

A

Turning

B

Milling

C

Drilling

D

Technical Information

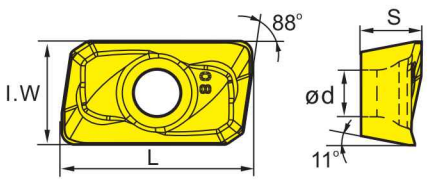

E

Index

- Ideal machining conditions
- ⊗ Normal machining conditions
- ⊗ Unfavourable machining conditions

APMT	L	S	d
11 35	11.25	3.5	2.8

Milling inserts

AN** milling insert		HC ¹ (CVD)							HC ¹ (PVD)					HT	HC ²	HW								
	P	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗									
	M	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗									
	K								⊗	⊗	⊗	⊗	⊗	⊗	⊗									
	N								⊗	⊗	⊗	⊗	⊗	⊗	⊗									
	S								⊗	⊗	⊗	⊗	⊗	⊗	⊗									
	H								⊗	⊗	⊗	⊗	⊗	⊗	⊗									
ISO	r	I.W	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201
	0.8	6.2				○										●	○							

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

System code > B26

Grade selection > B24

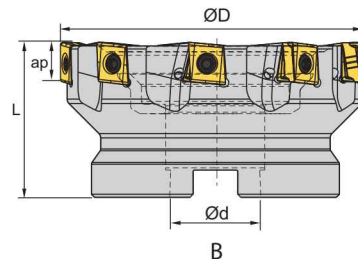
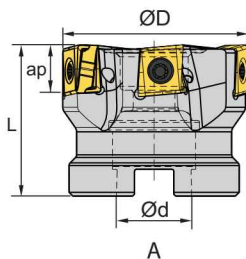
Technical info > B527



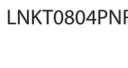
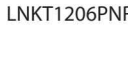
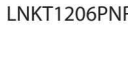
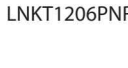
Cutting data > B230



Square shoulder milling

EMP09 Kr: 90° 







Article	*	Stock	Dimensions [mm]				Teeth	Coupling		Inserts
			ØD	ød	L	a _p max				
EMP09-040-A16-LN08-05C	*	●	40	16	40	8	5	A		
EMP09-050-A22-LN08-06C	*	●	50	22	40	8	6	A		
EMP09-063-A22-LN08-08C	*	●	63	22	40	8	8	A		
EMP09-080-A27-LN08-10C	*	○	80	27	50	8	10	A		
EMP09-040-A16-LN12-04C	*	●	40	16	40	11.5	4	A		0.19
EMP09-050-A22-LN12-05C	*	●	50	22	40	11.5	5	A		0.33
EMP09-063-A22-LN12-06C	*	●	63	22	40	11.5	6	A	0.53	
EMP09-080-A27-LN12-07C	*	●	80	27	50	11.5	7	A	1.18	
EMP09-100-B32-LN12-09C	*	●	100	32	50	11.5	9	B	1.62	
EMP09-125-B40-LN12-11C	*	●	125	40	63	11.5	11	B	3.25	
EMP09-080-A27-LN16-06C	*	●	80	27	50	15	6	A		
EMP09-100-B32-LN16-08C	*	●	100	32	50	15	8	B		
EMP09-125-B40-LN16-10C	*	●	125	40	63	15	10	B		
EMP09-160-B40-LN16-12C	*	●	160	40	63	15	12	B		
EMP09-200-C60-LN16-16		○	200	60	70	15	16	C		
EMP09-250-C60-LN16-12		○	250	60	70	15	12	C		
EMP09-315-D60-LN16-16		○	315	60	80	15	16	D		

● Ex stock ○ On demand

* With internal cooling

Spare parts

	Insert	LNKT0804PNR	LNKT1206PNR	LNKT1607PNR
		ØD	40-80	40-125
	Screw (clamp)	I60M3×7 (1.8 Nm)	I60M4×12 (3.4 Nm)	
	Screw (insert)			I60M5×17 (6.7 Nm)
	Wrench	WT10IS	WT15IS	
	Wrench (insert)			WT20IS

System code > B26

Grade selection > B24

Technical info > B527

Cutting data > B230

A

Turning

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Milling

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- Ideal machining conditions
- Normal machining conditions
- Unfavourable machining conditions

LNKT	L	S
08 04	8.75	4.45
12 06	12.7	6.75
16 07	16.05	7.35

Milling inserts

LN** milling insert				HC ¹ (CVD)						HC ¹ (PVD)						HT	HC ²	HW							
	P	●●●●●●●●						●●●●●●●●						●●	●										
	M	●●●●●●●●						●●●●●●●●						●●	●										
	K															●●									
	N															●●									
	S	●●						●●●●●●●●																	
	H																								
ISO		W	r	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201
	LNKT080404PNR-GL	8.5	0.4								●							●	●						
	LNKT120608PNR-GL	13	0.8								●							●	●						
	LNKT160708PNR-GL	15	0.8								●							●	●						
	LNKT080404PNR-GM	8.5	0.4				●											●							
	LNKT120608PNR-GM	13	0.8				●			●								●							
	LNKT160708PNR-GM	15	0.8				●		○									●							

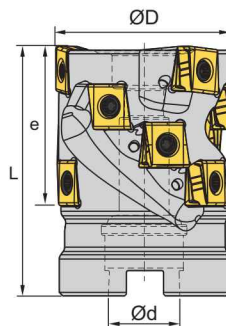
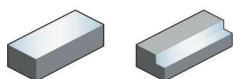
● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide



Square shoulder milling

EMP09 Kr: 90°



Article	*	Stock	Dimensions [mm]				Teeth row	Teeth	Coupling	kg	Inserts
			ØD	e	ød	L					
EMP09-040x43-A16-LN12-02C	*	○	40	43	16	70	2	8	A	0.4	LNKT1206PNR
EMP09-050x43-A22-LN12-03C	*	●	50	43	22	70	3	12	A	0.64	
EMP09-063x53-A27-LN12-04C	*	●	63	53	27	80	4	20	A	1.31	
EMP09-080x53-A27-LN12-05C	*	○	80	53	27	80	5	25	A	2.33	
EMP09-080x53-A32-LN12-05C	*	○	80	54.6	32	80	5	25	A	2.33	
EMP09-080x74-A32-LN12-05C	*	○	80	74	32	100	5	35	A		

● Ex stock ○ On demand

* With internal cooling

Spare parts

	Insert	LNKT1206PNR
	ØD	40-80
	Screw (clamp)	I60M4x12 (3.4Nm)
	Wrench	WT15IS

System code > B26

Grade selection > B24

Technical info > B527

Cutting data > B230

A

Turning

- Ideal machining conditions
- Normal machining conditions
- Unfavourable machining conditions

LNKT	L	S
12 06	12.7	6.75

Milling inserts

LN** milling insert		HC ¹ (CVD)						HC ¹ (PVD)						HT	HC ²	HW
	P	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	M	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	K							●						●		●
	N							●							●	●
	S			●	●			●	●	●	●	●	●			
	H															

B

Milling

ISO		W	r	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201
	LNKT120608PNR-GL	13	0.8								●							●		●					
	LNKT120608PNR-GM	13	0.8				●			●								●							

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

C

Drilling

D

Technical Information

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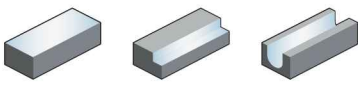
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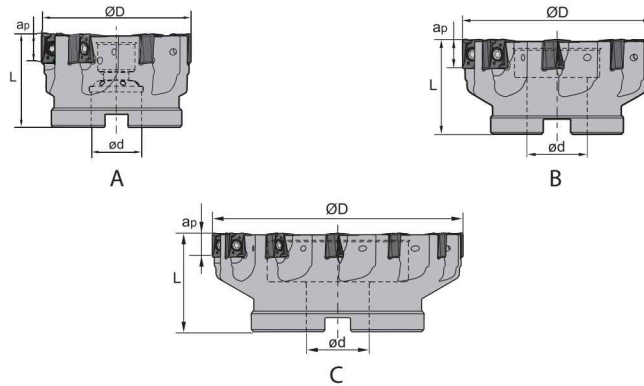
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
Technical info > B527

Cutting data > B230

Square shoulder milling

EMP13 Kr: 90° 



Article	*	Stock	Dimensions [mm]				Teeth	Coupling	kg	Inserts	
			ØD	ød	L	a _{p max}					
EMP13-040-A16-AN11-04C	*	○	40	16	40	11.2	4	A	0.45		
EMP13-050-A22-AN11-06C	*	●	50	22	40	11.2	6	A	0.3		
EMP13-063-A22-AN11-06	*	○	63	22	40	11.2	6	A	0.49		
EMP13-063-A22-AN11-07C	*	●	63	22	40	11.2	7	A	0.49		
EMP13-080-A27-AN11-07	*	○	80	27	50	11.2	7	A	1.18		
EMP13-080-A27-AN11-09C	*	●	80	27	50	11.2	9	A	1.18		
EMP13-100-B32-AN11-12		●	100	32	50	11.2	12	B	1.46		
EMP13-100-B32-AN11-12C	*	○	100	32	50	11.2	12	B	1.46		
EMP13-125-B40-AN11-14		●	125	40	63	11.2	14	B	2.92		
EMP13-125-B40-AN11-14C	*	○	125	40	63	11.2	14	B	2.92		
EMP13-160-C40-AN11-16		●	160	40	63	11.2	16	C	4.3		
EMP13-050-A22-AN15-04C	*	●	50	22	40	14.5	4	A	0.26		
EMP13-060-A22-AN15-05C	*	○	60	22	40	14.5	5	A	0.53		
EMP13-063-A22-AN15-05C	*	●	63	22	40	14.5	5	A	0.53		
EMP13-080-A27-AN15-06C	*	●	80	27	50	14.5	6	A	1.23		
EMP13-100-B32-AN15-08		●	100	32	50	14.5	8	B	1.52		
EMP13-100-B32-AN15-08C	*	○	100	32	50	14.5	8	B	1.52		
EMP13-125-B40-AN15-10		●	125	40	63	14.5	10	B	3.05		
EMP13-125-B40-AN15-10C	*	○	125	40	63	14.5	10	B	3.05		
EMP13-160-C40-AN15-12		●	160	40	63	14.5	12	C	4.46		
EMP13-200-C60-AN15-16		○	200	60	63	14.5	16	C	6.26		

● Ex stock ○ On demand

* With internal cooling

System code > B26

Grade selection > B24

Technical info > B527

Cutting data > B230



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Indexable milling Square shoulder milling

A

Turning

Spare parts		ANGX1105	ANGX1506
Insert	ØD	40-160	50-200
	Screw (clamp)		I60M4×12 (3.4Nm)
	Screw (insert)	I60M3×9 (1.8 Nm)	I60M4×12 (3.4 Nm)
	Wrench		WT15IS
	Wrench (insert)	WT09IS	WT15IS



B

Milling

Milling inserts

- Ideal machining conditions
- Normal machining conditions
- Unfavourable machining conditions

ANGX	L	S	d
11 05	11.85	5.7	3.5
15 06	15.43	7.3	4.4

C

Drilling

AN** milling insert		HC ¹ (CVD)						HC ¹ (PVD)						HT	HC ²	HW									
ISO	W	r	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201	
			ANGX110504PNR-GM	8.4	0.4				●		●							●	●						
ANGX110508PNR-GM	8.4	0.8	●			●		●	●						●	●									
ANGX110520PNR-GM	8.4	2				●			●						●										
ANGX150608PNR-GM	11	0.8	○			●		●	●						●	●									
ANGX150616PNR-GM	11	1.6				●		●							●										
ANGX150620PNR-GM	11	2						●	●						●										
ANGX110504PNR-LH	8.4	0.4																						●	
ANGX150608PNR-LH	11	0.8																						●	

D

Technical Information

- Ex stock
- On demand

- HC¹ Coated carbide
- HT Uncoated cermet
- HC² Coated cermet
- HW Uncoated carbide

E

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System code > B26

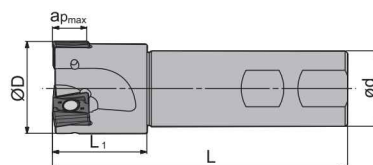
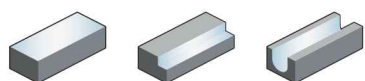
Grade selection > B24

Technical info > B527

Cutting data > B230

Square shoulder milling

EMP13 Kr: 90°



Weldon shank

Article	*	Stock	Dimensions [mm]					Teeth	kg	Inserts
			ØD	ød	L ₁	L	a _{p max}			
EMP13-025-XP25-AN11-02C	*	●	25	25	32	100	11.2	2	0.31	ANGX1105
EMP13-032-XP32-AN11-03C	*	●	32	32	40	115	11.2	3	0.61	
EMP13-040-XP32-AN11-04C	*	●	40	32	40	125	11.2	4	0.75	
EMP13-032-XP32-AN15-02C	*	●	32	32	40	125	11.2	2	0.66	ANGX1506
EMP13-040-XP32-AN15-03C	*	●	40	32	40	125	11.2	3	0.76	

● Ex stock ○ On demand

* With internal cooling

Spare parts

Insert		ANGX1105	ANGX1506	
ØD		25-40	25-40	
	Screw (insert)	I60M3×9 (1.8 Nm)	I60M4×12 (3.4 Nm)	
	Wrench (insert)	WT09IS	WT15IS	

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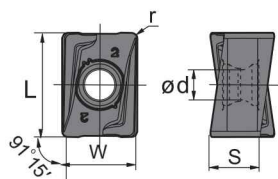
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- Ideal machining conditions
- ⊗ Normal machining conditions
- ⊗ Unfavourable machining conditions

ANGX	L	S	d
11 05	11.85	5.7	3.5
15 06	15.43	7.3	4.4

Milling inserts



AN** milling insert		HC ¹ (CVD)						HC ¹ (PVD)					HT	HC ²	HW												
		P	M	K	N	S	H																				
	ISO	W	r	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201		
		ANGX110504PNR-GM	8.4	0.4				●			●							●	●								
		ANGX110508PNR-GM	8.4	0.8	●			●		●	●							●	●								
		ANGX110520PNR-GM	8.4	2				●			●							●									
		ANGX150608PNR-GM	11	0.8	○			●		●	●							●	●								
	ANGX150616PNR-GM	11	1.6				●		●								●										
	ANGX150620PNR-GM	11	2						●	●							●										
	ANGX110504PNR-LH	8.4	0.4																						●		
	ANGX150608PNR-LH	11	0.8																						●		

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

System code > B26

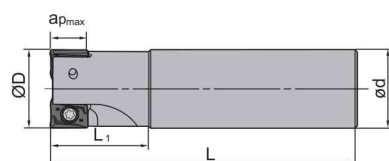
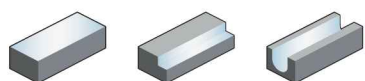
Grade selection > B24

Technical info > B527



Cutting data > B230

Square shoulder milling

EMP13 Kr: 90°






Straight shank

Article	*	Stock	Dimensions [mm]						Teeth	kg	Inserts
			ØD	e	ød	L ₁	L	a _{p max}			
EMP13-025-G25-AN11-02C	*	●	25	11.2	25	32	100	11.2	2	0.31	 ANGX1105
EMP13-032-G32-AN11-03C	*	●	32	11.2	32	40	115	11.2	3	0.61	
EMP13-040-G32-AN11-04C	*	●	40	11.2	32	40	125	11.2	4	0.75	
EMP13-032-G32-AN15-02C	*	●	32	14.5	32	40	125	14.5	2	0.66	 ANGX1506
EMP13-040-G32-AN15-03C	*	●	40	14.5	32	40	125	14.5	3	0.76	

● Ex stock ○ On demand

* With internal cooling

Spare parts

Insert		ANGX1105	ANGX1506	
ØD		25-40	25-40	
	Screw (insert)	I60M3×9 (1.8 Nm)	I60M4×12 (3.4 Nm)	
	Wrench (insert)	WT09IS	WT15IS	

System code > B26

Grade selection > B24

Technical info > B527

Cutting data > B230

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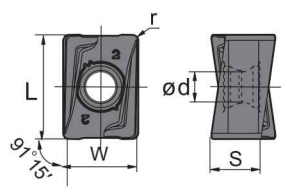
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- Ideal machining conditions
- ⊗ Normal machining conditions
- ⊗ Unfavourable machining conditions

ANGX	L	S	d
11 05	11.85	5.7	3.5
15 06	15.43	7.3	4.4

Milling inserts



AN** milling insert		HC ¹ (CVD)						HC ¹ (PVD)					HT	HC ²	HW										
		P	M	K	N	S	H																		
ISO		W	r	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201
	ANGX110504PNR-GM	8.4	0.4				●			●							●	●							
	ANGX110508PNR-GM	8.4	0.8	●			●			●							●	●							
	ANGX110520PNR-GM	8.4	2				●			●							●								
	ANGX150608PNR-GM	11	0.8	○			●			●	●						●	●							
	ANGX150616PNR-GM	11	1.6				●			●							●								
	ANGX150620PNR-GM	11	2							●	●						●								
	ANGX110504PNR-LH	8.4	0.4																					●	
	ANGX150608PNR-LH	11	0.8																					●	

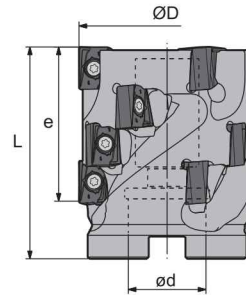
● Ex stock ○ On demand


HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide



Square shoulder milling

EMP13 Kr: 90° 






Article	*	Stock	Dimensions [mm]				Teeth	No. of inserts	kg	Inserts 
			ØD	e	ød	L				
EMP13-050x43-A22-AN11-03		●	50	43	22	60	3	12	0.52	ANGX1105
EMP13-063x64-A27-AN11-04		○	63	64	27	80	4	24	1.15	
EMP13-063x53-A27-AN15-03		○	63	53	27	75	3	12	1.14	ANGX1506
EMP13-080x53-A32-AN15-04		●	80	53	32	75	4	16	1.82	

● Ex stock ○ On demand

* With internal cooling

Spare parts

	Insert ØD	ANGX1105	ANGX1506	
		50-63	63-80	
 Screw (insert)		I60M3×9 (1.8 Nm)	I60M4×12 (3.4 Nm)	
 Wrench (insert)		WT09IS	WT15IS	

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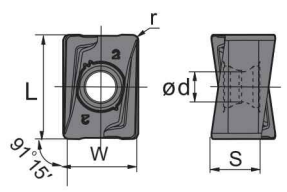
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- Ideal machining conditions
- ⊗ Normal machining conditions
- ⊗ Unfavourable machining conditions

ANGX	L	S	d
11 05	11.85	5.7	3.5
15 06	15.43	7.3	4.4

Milling inserts



AN** milling insert		HC ¹ (CVD)						HC ¹ (PVD)					HT	HC ²	HW										
		P	M	K	N	S	H																		
ISO	W																								
	r																								
		YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151		YNG151C	YD101	YD201	
	ANGX110504PNR-GM	8.4	0.4		●			●							●	●									
	ANGX110508PNR-GM	8.4	0.8	●		●		●	●						●	●									
	ANGX110520PNR-GM	8.4	2			●			●						●										
	ANGX150608PNR-GM	11	0.8	○		●		●	●						●	●									
	ANGX150616PNR-GM	11	1.6			●		●							●										
	ANGX150620PNR-GM	11	2					●	●						●										
	ANGX110504PNR-LH	8.4	0.4																					●	
	ANGX150608PNR-LH	11	0.8																					●	

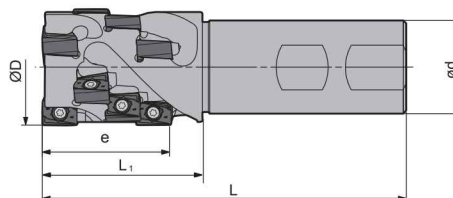
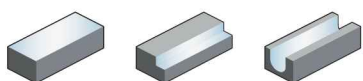
● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide



Square shoulder milling

EMP13 Kr: 90°



Weldon shank

Article	* Stock	Dimensions [mm]					Teeth	No. of inserts	kg	Inserts
		ØD	e	ød	L ₁	L				
EMP13-032x43-XP32-AN11-02	○	32	43	32	48	115	2	8	0.61	ANGX1105
EMP13-040x43-XP32-AN11-03	○	40	43	32	55	125	3	12	0.79	
EMP13-040x40-XP32-AN15-02	○	40	40	32	55	115	2	6	0.79	ANGX1506
EMP13-050x53-XP40-AN15-02	○	50	53	40	70	145	2	8	1.53	

● Ex stock ○ On demand

* With internal cooling

Spare parts

	Insert ØD	ANGX1105	ANGX1506	
		32-40	40-50	
Screw (insert)		I60M3×9 (1.8 Nm)	I60M4×12 (3.4 Nm)	
Wrench (insert)		WT09IS	WT15IS	

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Grade selection > B24

Technical info > B527

Cutting data > B230

Indexable milling Square shoulder milling

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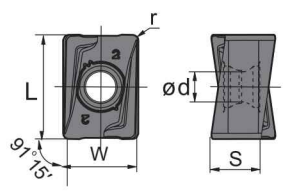
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- Ideal machining conditions
- ⊗ Normal machining conditions
- ⊗ Unfavourable machining conditions

ANGX	L	S	d
11 05	11.85	5.7	3.5
15 06	15.43	7.3	4.4

Milling inserts



AN** milling insert		HC ¹ (CVD)						HC ¹ (PVD)					HT	HC ²	HW											
		P	M	K	N	S	H																			
	ISO	W	r	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201	
		ANGX110504PNR-GM	8.4	0.4				●										●	●							
		ANGX110508PNR-GM	8.4	0.8	●			●		●	●							●	●							
		ANGX110520PNR-GM	8.4	2				●			●							●								
		ANGX150608PNR-GM	11	0.8	○			●		●	●							●	●							
	ANGX150616PNR-GM	11	1.6				●		●								●									
	ANGX150620PNR-GM	11	2						●	●							●									
	ANGX110504PNR-LH	8.4	0.4																						●	
	ANGX150608PNR-LH	11	0.8																						●	

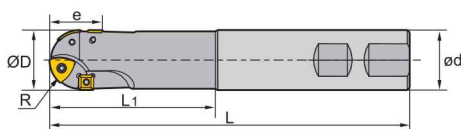
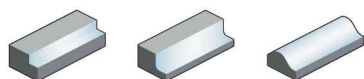
● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide



Profile milling

BMR01



Weldon shank

Article	* Stock	Dimensions [mm]							Teeth		kg	Inserts
		R	ØD	e	ød	L ₁	L	ZDET	SPMT			
BMR01-020-XP20-S	○	10	20	20	20	50	125	2	2	0.3	ZDET08T2 & SPMT0603	
BMR01-020-XP20-M	○	10	20	20	20	75	150	2	2	0.3		
BMR01-020-XP20-L	○	10	20	20	20	100	200	2	2	0.4		
BMR01-025-XP25-S	○	12.5	25	23	25	70	150	2	2	0.5	ZDET1103 & SPMT0603	
BMR01-025-XP25-M	○	12.5	25	23	25	95	175	2	2	0.6		
BMR01-025-XP25-L	○	12.5	25	23	25	100	200	2	2	0.7		
BMR01-032-XP32-S	○	16	32	31	32	85	175	2	2	0.9	ZDET13T2 & SDMT0903	
BMR01-032-XP32-M	○	16	32	31	32	100	200	2	2	1.1		
BMR01-032-XP32-L	○	16	32	31	32	150	250	2	2	1.4		
BMR01-040-XP40-S	○	20	40	41	40	85	175	3	2	1.4	ZPNT2204 & SPMT1204	
BMR01-040-XP40-M	○	20	40	41	40	100	200	3	2	1.7		
BMR01-040-XP40-L	○	20	40	41	40	150	250	3	2	2.1		
BMR01-050-XP40-S	○	25	50	45	40	100	200	3	2	1.8		
BMR01-050-XP40-M	○	25	50	45	40	100	300	3	2	2.8		
BMR01-063-XP40-S	○	31.5	63	52	40	100	200	4	2	3		

● Ex stock ○ On demand

* With internal cooling

Spare parts

	Insert ØD	ZDET08T2 & SPMT0603 20	ZDET1103 & SPMT0603 25	ZDET13T2 & SDMT0903 32	ZPNT2204 & SPMT1204 40-63	
	Screw (insert)	I43M2.5×5.7 (1.0 Nm)	I43M2.5×5.7 (1.0 Nm)	I43M4×8 (3.4 Nm)	I43M5×11 (6.7 Nm)	
	Wrench (insert)	WT07IP	WT07IP			
	Wrench (insert)			WT15IS	WT20IS	

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Technical info > B527

Cutting data > B230



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ZDET	L	I.C	S	d
08 T2	8.4	6.75	2.78	2.8
11 03	10.6	8.5	3.18	2.8
13 T3	13.2	10.5	3.97	4.4
22 04	16.1	12.7	4.76	5.56

- Ideal machining conditions
- ⊗ Normal machining conditions
- ⊗ Unfavourable machining conditions

Milling inserts

ZD** milling insert		HC ¹ (CVD)						HC ¹ (PVD)						HT	HC ²	HW								
		P	M	K	N	S	H	P	M	K	N	S	H											
	ISO	R	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201
	ZDET13T3CYP16-PM	16				○							○											
	ZDET08T2CYP10	10				○																		
	ZDET1103CYP12.5	12.5				○																		
	ZPNT2204CY(R20)	20				○																		
	ZPNT2204CY(R25)	25				●																		
	ZPNT2204CY(R31)	31.5				○																		

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide



Milling inserts

- Ideal machining conditions
- Normal machining conditions
- Unfavourable machining conditions

SPMT	L	I.C	S	d
06 03	6.35	6.35	3.18	2.8
12 04	12.7	12.7	4.76	5.5

SP** milling insert		HC ¹ (CVD)						HC ¹ (PVD)					HT	HC ²	HW									
	P	●	●	●	●	●	●	●	●	●	●	●	●	●										
	M	●	●	●	●	●	●	●	●	●	●	●	●	●										
	K							●								●								
	N							●								●								
	S			●	●			●	●	●	●	●	●											
	H																							
ISO		r	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201
	SPMT060304-KT		○																					
	SPMT060304	0.4				●												○						
	SPMT120408	0.8	○	○	○		●	○										○						

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

Milling inserts

- Ideal machining conditions
- Normal machining conditions
- Unfavourable machining conditions

SDMT	L	I.C	S	d
09 03	9.525	9.525	3.18	4.4

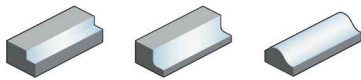
SD** milling insert		HC ¹ (CVD)						HC ¹ (PVD)					HT	HC ²	HW									
	P	●	●	●	●	●	●	●	●	●	●	●	●	●										
	M	●	●	●	●	●	●	●	●	●	●	●	●	●										
	K							●								●								
	N							●								●								
	S			●	●			●	●	●	●	●	●											
	H																							
ISO		r	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201
	SDMT090308	0.8				●																		

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

Profile milling

BMR02



Article	*	Stock	Dimensions [mm]					kg	Inserts
			R	ØD	ød	L ₁	L		
BMR02-012-G16-S	●		6	12	16	40	110	0.1	ROHX1203
BMR02-012-G16-M	●		6	12	16	50	130	0.2	
BMR02-012-G16-L	●		6	12	16	50	160	0.2	
BMR02-016-G20-S	●		8	16	20	45	140	0.3	ROHX1604
BMR02-016-G20-M	●		8	16	20	65	170	0.3	
BMR02-016-G20-L	●		8	16	20	65	200	0.4	
BMR02-020-G25-S	●		10	20	25	60	160	0.5	ROHX2005
BMR02-020-G25-M	●		10	20	25	80	200	0.6	
BMR02-020-G25-L	●		10	20	25	80	240	0.8	

● Ex stock ○ On demand

* With internal cooling

Spare parts		ROHX1203	ROHX1604	ROHX2005	
Insert	ØD	12	16	20	
 Screw (insert)		I70M4×10TT (3.4 Nm)	I70M5×12TT (6.7 Nm)	I70M5×16TT (6.7 Nm)	
 Wrench (insert)		WT15IS	WT20IS	WT20IS	




System code > B26

Grade selection > B24

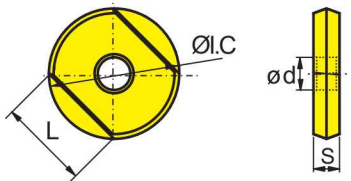

Technical info > B527

Cutting data > B230

ROHX	L	I.C	S	d
12 03	8.5	12	3	4
16 04	11.3	16	4	5
20 05	14.1	20	5	5

-  Ideal machining conditions
-  Normal machining conditions
-  Unfavourable machining conditions

Milling inserts

RO** positive insert		HC ¹ (CVD)						HC ¹ (PVD)					HT	HC ²	HW									
	P																							
	M																							
	K																							
	N																							
	S																							
	H																							
ISO		YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201	
	ROHX1604																							
	ROHX1203											○								●				
	ROHX2005											○								●				

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

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System code > B26

Grade selection > B24

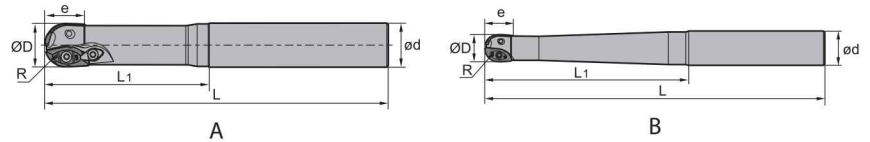
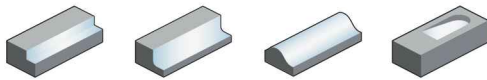
Technical info > B527

Cutting data > B230



Profile milling

BMR03



Straight shank

Article	* Stock	Dimensions [mm]							Teeth	Coupling	kg	Inserts
		R	ØD	e	ød	L ₁	L					
BMR03-016-G20-S	●	8	16	16	20	70	150	2	B	0.3	XPHT16	
BMR03-016-G20-M	●	8	16	16	20	80	180	2	B	0.4		
BMR03-020-G25-S	●	10	20	20	25	80	180	2	B	0.5	XPHT20	
BMR03-020-G25-M	●	10	20	20	25	100	200	2	B	0.6		
BMR03-020-G25-L	●	10	20	20	25	150	250	2	B	0.7	XPHT25	
BMR03-020-G25-XL	○	10	20	20	25	110	300	2	B	1		
BMR03-025-G25-S	●	12.5	25	25	25	80	180	2	B	0.6	XPHT25	
BMR03-025-G25-M	●	12.5	25	25	25	100	200	2	B	0.7		
BMR03-025-G25-L	○	12.5	25	25	25	110	250	2	B	0.8	XPHT30	
BMR03-025-G25-XL	○	12.5	25	25	25	120	300	2	B	1		
BMR03-030-G32-S	○	15	30	30	32	120	200	2	A	1	XPHT30	
BMR03-030-G32-M	●	15	30	30	32	150	250	2	A	1.3		
BMR03-030-G32-L	○	15	30	30	32	200	300	2	A	1.6	XPHT32	
BMR03-032-G32-S	●	16	32	32	32	120	200	2	A	1.1		
BMR03-032-G32-M	●	16	32	32	32	150	250	2	A	1.4	XPHT32	
BMR03-032-G32-L	●	16	32	32	32	200	300	2	A	1.6		
BMR03-032-G32-XL	○	16	32	32	32	200	350	2	A	2	XPHT40	
BMR03-040-G40-S	○	20	40	40	40	120	200	2	A	1.6		
BMR03-040-G40-M	○	20	40	40	40	150	250	2	A	2	XPHT40	
BMR03-040-G40-L	●	20	40	40	40	200	300	2	A	2.5		

● Ex stock ○ On demand

* With internal cooling

System code > B26

Grade selection > B24

Technical info > B527

Cutting data > B230

Spare parts							
Insert	XPHT16	XPHT20	XPHT25	XPHT30	XPHT32	XPHT40	
ØD	16	20	25	30	32	40	
	Clamp						CBH5R1
	Clamp				WD-208	WD-208	
	Screw (clamp)				I60M5×13 (6.7 Nm)	I60M5×13 (6.7 Nm)	I43M6×16 (9.1 Nm)
	Screw (insert)	I60M2.5×6.5 (1.0 Nm)		I60M4×10 (3.4 Nm)	I60M5×13 (6.7 Nm)	I60M5×13 (6.7 Nm)	I43M6×16 (9.1 Nm)
	Screw (insert)		I60M3.5×08TT (2.7 Nm)				
	Wrench (clamp)				WT20IT	WT20IT	WT25IT
	Wrench (insert)		WT10IP				
	Wrench (insert)				WT20IT	WT20IT	WT25IT
	Wrench (insert)	WT07P					
	Wrench (insert)			WT15S			



XPHT	L	S	d
16	16	3.18	3.1
20	20	3.97	4
25	25	4.76	4.7
30	30	6.35	5.8
32	32	6.35	5.8
40	40	7.94	6.8

- Ideal machining conditions
- Normal machining conditions
- Unfavourable machining conditions

Milling inserts

XP** milling insert		HC ¹ (CVD)						HC ¹ (PVD)						HT	HC ²	HW											
		P	M	K	N	S	H	P	M	K	N	S	H														
	ISO	R	α	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201		
		XPHT16R0803-GM	8	9																							
		XPHT20R10T3-GM	10	9																							
		XPHT25R1204-GM	12.5	9																							
		XPHT30R1506-GM	15	11																							
		XPHT32R1606-GM	16	9																							
	XPHT40R2007-GM	20	9																								

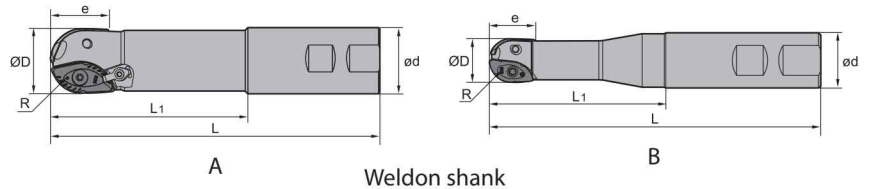
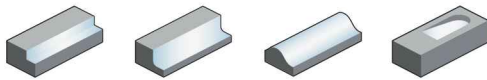
● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

A Turning
 B Milling
 C Drilling
 D Technical Information
 E Index

Profile milling

BMR03



Article	* Stock	Dimensions [mm]							Teeth	Coupling	kg	Inserts
		R	ØD	e	ød	L ₁	L					
BMR03-016-XP20-M	●	8	16	16	20	60	111	2	B	0.2	XPHT16	
BMR03-020-XP25-M	●	10	20	20	25	70	127	2	B	0.3	XPHT20	
BMR03-020-XP25-L	●	10	20	20	25	80	150	2	B	0.4	XPHT25	
BMR03-025-XP25-M	●	12.5	25	25	25	80	137	2	B	0.4	XPHT25	
BMR03-025-XP25-L	●	12.5	25	25	25	100	200	2	B	0.6	XPHT30	
BMR03-030-XP32-M	●	15	30	30	32	100	161	2	A	0.8	XPHT30	
BMR03-030-XP32-L	●	15	30	30	32	150	250	2	A	1.3	XPHT32	
BMR03-032-XP32-M	●	16	32	32	32	100	161	2	A	0.8	XPHT32	
BMR03-032-XP32-L	○	16	32	32	32	120	250	2	A	1.3	XPHT40	
BMR03-040-XP40-M	○	20	40	40	40	100	175	2	A	1.3	XPHT40	
BMR03-040-XP40-L	●	20	40	40	40	120	250	2	A	2	XPHT50	
BMR03-050-XP50-M	○	25	50	50	50	100	200	2	A	2.5	XPHT50	
BMR03-050-XP50-L	○	25	50	50	50	150	250	2	A	3.1		

● Ex stock ○ On demand

* With internal cooling

System code > B26

Grade selection > B24

Technical info > B527

Cutting data > B230

Spare parts		XPHT16	XPHT20	XPHT25	XPHT30	XPHT32	XPHT40	XPHT50
Insert	ØD	16	20	25	30	32	40	50
	Clamp						CBH5R1	CBH5R1
	Clamp				WD-208	WD-208		
	Screw (clamp)				I60M5×13 (6.7 Nm)	I60M5×13 (6.7 Nm)	I43M6×16 (9.1 Nm)	I43M6×16 (9.1 Nm)
	Screw (insert)	I60M2.5×6.5 (1.0 Nm)		I60M4×10 (3.4 Nm)	I60M5×13 (6.7 Nm)	I60M5×13 (6.7 Nm)	I43M6×16 (9.1 Nm)	I43M8×21 (16.2 Nm)
	Screw (insert)		I60M3.5×8TT (2.7 Nm)					
	Wrench (clamp)				WT20IT	WT20IT	WT25IT	WT25IT
	Wrench (insert)		WT10IP					
	Wrench (insert)				WT20IT	WT20IT	WT25IT	WT30IT
	Wrench (insert)	WT07P						
	Wrench (insert)			WT15S				



XPHT	L	S	d
16	16	3.18	3.1
20	20	3.97	4
25	25	4.76	4.7
30	30	6.35	5.8
32	32	6.35	5.8
40	40	7.94	6.8
50	50	7.94	9.2

- Ideal machining conditions
- Normal machining conditions
- Unfavourable machining conditions

Milling inserts

XP** milling insert		HC ¹ (CVD)					HC ¹ (PVD)					HT	HC ²	HW											
ISO	R	α	P	M	K	N	S	H	P	M	K	N	S	H											
			YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201	
			XPHT16R0803-GM	XPHT20R10T3-GM	XPHT25R1204-GM	XPHT30R1506-GM	XPHT32R1606-GM	XPHT40R2007-GM	XPHT50R2507-GM																

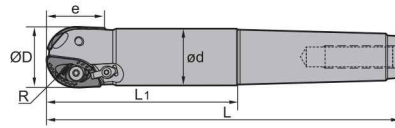
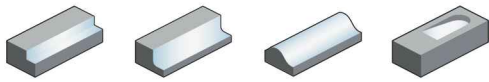
● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

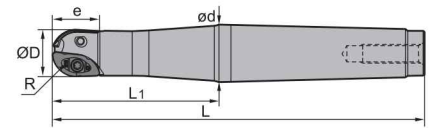
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Profile milling

BMR03




A



B

Morse taper shank

Article	* Stock	Dimensions [mm]							Teeth	Coupling	kg	Inserts 
		R	ØD	e	ød	L ₁	L					
BMR03-020-MT3-M	○	10	20	20	18.7	70	156	2	B	0.4	XPHT20	
BMR03-020-MT3-L	○	10	20	20	18.7	100	186	2	B	0.4		
BMR03-025-MT3-M	○	12.5	25	25	23.5	70	156	2	B	0.4	XPHT25	
BMR03-025-MT3-L	○	12.5	25	25	23.5	100	186	2	B	0.4		
BMR03-030-MT4-M	○	15	30	30	28.2	70	189	2	A	0.8	XPHT30	
BMR03-030-MT4-L	○	15	30	30	28.2	120	229	2	A	1		
BMR03-032-MT4-M	○	16	32	32	29.2	70	179	2	A	0.9	XPHT32	
BMR03-032-MT4-L	●	16	32	32	29.2	100	209	2	A	0.9		
BMR03-040-MT5-L	○	20	40	40	36.9	90	226	2	A	1.8	XPHT40	
BMR03-050-MT5-M	●	25	50	50	46.8	100	236	2	A	2.2		
BMR03-050-MT5-L	○	25	50	50	46.8	150	286	2	A	2.9	XPHT50	

● Ex stock ○ On demand

* With internal cooling

System code > B26

Grade selection > B24

Technical info > B527

Cutting data > B230

Spare parts							
Insert	XPHT20	XPHT25	XPHT30	XPHT32	XPHT40	XPHT50	
ØD	20	25	30	32	40	50	
	Clamp					CBH5R1	CBH5R1
	Clamp			WD-208	WD-208		
	Screw (clamp)			I60M5×13 (6.7 Nm)	I60M5×13 (6.7 Nm)	I43M6×16 (9.1 Nm)	I43M6×16 (9.1 Nm)
	Screw (insert)		I60M4×10 (3.4 Nm)	I60M5×13 (6.7 Nm)	I60M5×13 (6.7 Nm)	I43M6×16 (9.1 Nm)	I43M8×21 (16.2 Nm)
	Screw (insert)	I60M3.5×08TT (2.7 Nm)					
	Wrench (clamp)			WT20IT	WT20IT	WT25IT	WT25IT
	Wrench (insert)	WT10IP					
	Wrench (insert)			WT20IT	WT20IT	WT25IT	WT30IT
	Wrench (insert)		WT15S				



XPHT	L	S	d
20	20	3.97	4
25	25	4.76	4.7
30	30	6.35	5.8
32	32	6.35	5.8
40	40	7.94	6.8
50	50	7.94	9.2

- Ideal machining conditions
- Normal machining conditions
- Unfavourable machining conditions

Milling inserts

XP** milling insert		HC ¹ (CVD)					HC ¹ (PVD)					HT	HC ²	HW												
		P	M	K	N	S	H	P	M	K	N	S	H													
	ISO	R	α	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201	
	XPHT20R10T3-GM	10	9																							
	XPHT25R1204-GM	12.5	9																							
	XPHT30R1506-GM	15	11																							
	XPHT32R1606-GM	16	9																							
	XPHT40R2007-GM	20	9																							
	XPHT50R2507-GM	25	9																							

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

System code > B26

Grade selection > B24

Technical info > B527

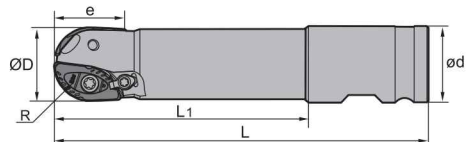
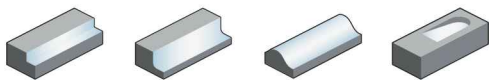
Cutting data > B230



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Profile milling

BMR03



Compound shank

Article	* Stock	Dimensions [mm]							Teeth	kg	Inserts
		R	ØD	e	ød	L ₁	L				
BMR03-040-XPX-M	○	20	40	40	50.8	170	250	2	1.3	XPHT40	
BMR03-040-XPX-L	○	20	40	40	50.8	220	300	2	3.1		
BMR03-040-XPX-XL	○	20	40	40	50.8	270	350	2	3.5		
BMR03-050-XPX-M	○	25	50	50	50.8	170	250	2	3.1	XPHT50	
BMR03-050-XPX-L	○	25	50	50	50.8	200	300	2	3.8		
BMR03-050-XPX-XL	○	25	50	50	50.8	270	350	2	4.4		

● Ex stock ○ On demand

* With internal cooling

Spare parts

	Insert	XPHT40	XPHT50
	ØD	40	50
	Clamp	CBH5R1	CBH5R1
	Screw (clamp)	I43M6×16 (9.1 Nm)	I43M6×16 (9.1 Nm)
	Screw (insert)	I43M6×16 (9.1 Nm)	I43M8×21 (16.2 Nm)
	Wrench (clamp)	WT25IT	WT25IT
	Wrench (insert)	WT25IT	WT30IT






System code > B26

Grade selection > B24

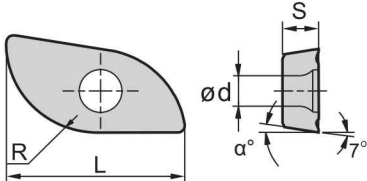













































Technical info > B527

Cutting data > B230

-  Ideal machining conditions
-  Normal machining conditions
-  Unfavourable machining conditions

XPHT	L	S	d
40	40	7.94	6.8
50	50	7.94	9.2

Milling inserts

XP** milling insert		HC ¹ (CVD)						HC ¹ (PVD)					HT	HC ²	HW										
	P																								
	M																								
	K																								
	N																								
	S																								
	H																								
ISO	R	α	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151		YNG151C	YD101	YD201
	XPHT40R2007-GM	20	9																●						
	XPHT50R2507-GM	25	9																●						

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

A

Turning

B

Milling

C

Drilling

D

Technical Information

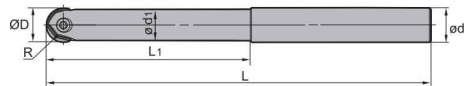
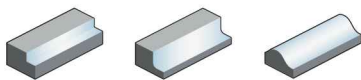
E

Index



Profile milling

BMR04



Straight shank

Article	* Stock	Dimensions [mm]							kg	Inserts
		R	ØD	ød	Ød1	L ₁	L			
BMR04-012-G12-M	●	6	12	12	11	35	125	0.1	ZOHX12	
BMR04-012-G12-L	●	6	12	12	11	45	150	0.1		
BMR04-016-G16-M	●	8	16	16	14	40	150	0.2	ZOHX16	
BMR04-016-G16-L	●	8	16	16	14	55	180	0.3		
BMR04-020-G20-M	●	10	20	20	18	65	180	0.4	ZOHX20	
BMR04-020-G20-L	●	10	20	20	18	100	250	0.6		
BMR04-025-G25-M	●	12.5	25	25	23	70	200	0.7	ZOHX25	
BMR04-025-G25-L	●	12.5	25	25	23	100	250	0.9		
BMR04-030-G32-M	●	15	30	32	27	80	250	1.2	ZOHX30	
BMR04-030-G32-L	●	15	30	32	27	110	300	1.5		
BMR04-032-G32-M	●	16	32	32	29	80	250	1.4	ZOHX32	
BMR04-032-G32-L	●	16	32	32	29	110	300	1.7		

● Ex stock ○ On demand

* With internal cooling

Spare parts							
	Insert	ZOHX12	ZOHX16	ZOHX20	ZOHX25	ZOHX30	ZOHX32
	ØD	12	16	20	25	30	32
	Screw (insert)	I70M4×10TT (3.4 Nm)	I70M5×12TT (6.7 Nm)	I70M5×16TT (6.7 Nm)	I70M6×20TT (9.1 Nm)	I70M8×25TT (16.2 Nm)	I70M8×25TT (16.2 Nm)
	Wrench (insert)	WT15IP	WT20IP	WT20IP	WT20IP		
	Wrench (insert)					WT30IT	WT30IT



System code > B26

Grade selection > B24

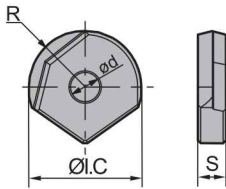


Technical info > B527

Cutting data > B230

ZOXX	I.C	S	d
12	12	1.5	4
16	16	4	5
20	20	5	5
25	25	6	6
30	30	7	8
32	32	7	8

- Ideal machining conditions
- ⊗ Normal machining conditions
- ⊗ Unfavourable machining conditions

Milling inserts

ZO** milling insert		HC ¹ (CVD)							HC ¹ (PVD)							HT	HC ²	HW					
	P	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	●	●	●				
	M	⊗	⊗	⊗	⊗	⊗		⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	●	●	●				
	K							⊗	⊗								●					⊗	
	N							⊗												⊗	⊗		
	S			⊗	⊗			⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗							
	H																						
ISO	R	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201
	ZOXX1203-GF	6															●						
	ZOXX1604-GF	8															●						
	ZOXX2005-GF	10															●						
	ZOXX2506-GF	12.5															○						
	ZOXX3007-GF	15															●						
	ZOXX3207-GF	16															●						
	ZOXX1203-GM	6															●						
	ZOXX1604-GM	8															●						
	ZOXX2005-GM	10															●						
	ZOXX2506-GM	12.5															○						
	ZOXX3007-GM	15															●						
	ZOXX3207-GM	16															●						

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

System code > B26

Grade selection > B24

Technical info > B527

Cutting data > B230



A

Turning

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Milling

C

Drilling

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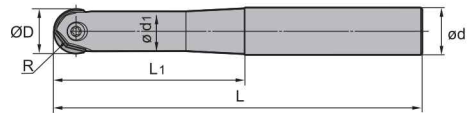
Technical Information

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Profile milling

BMR04



Straight shank

Article	*	Stock	Dimensions [mm]						kg	Inserts
			R	ØD	ød	Ød1	L ₁	L		
BMR04-012-G16-M	●		6	12	16	11	50	125	0.2	ZOHX12
BMR04-012-G16-L	●		6	12	16	11	70	150	0.2	
BMR04-016-G20-M	●		8	16	20	14	60	150	0.3	ZOHX16
BMR04-016-G20-L	●		8	16	20	14	80	180	0.3	
BMR04-020-G25-M	●		10	20	25	18	75	180	0.6	ZOHX20
BMR04-020-G25-L	●		10	20	25	18	95	200	0.6	
BMR04-025-G32-M	●		12.5	25	32	23	90	200	1	ZOHX25
BMR04-025-G32-L	●		12.5	25	32	23	110	250	1.3	
BMR04-030-G40-M	●		15	30	40	27	110	250	2	ZOHX30
BMR04-032-G40-L	●		16	32	40	29	125	300	2.4	

● Ex stock ○ On demand

* With internal cooling

Spare parts								
Insert	ZOHX12	ZOHX16	ZOHX20	ZOHX25	ZOHX30	ZOHX32		
ØD	12	16	20	25	30	32		
Screw (insert)	I70M4×10TT (3.4 Nm)	I70M5×12TT (6.7 Nm)	I70M5×16TT (6.7 Nm)	I70M6×20TT (9.1 Nm)	I70M8×25TT (16.2 Nm)	I70M8×25TT (16.2 Nm)		
Wrench (insert)	WT15IP	WT20IP	WT20IP	WT20IP				
Wrench (insert)					WT30IT	WT30IT		

System code > B26

Grade selection > B24

Technical info > B527

Cutting data > B230

ZOXX	I.C	S	d
12	12	1.5	4
16	16	4	5
20	20	5	5
25	25	6	6
30	30	7	8
32	32	7	8

- Ideal machining conditions
- ⊗ Normal machining conditions
- ⊗ Unfavourable machining conditions

Milling inserts

ZO** milling insert		HC ¹ (CVD)							HC ¹ (PVD)					HT	HC ²	HW								
ISO		R	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201	
	P	●	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	●	●	●			
	M		⊗	⊗	⊗	⊗						⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗				
	K								⊗	⊗														⊗
	N										⊗												⊗	⊗
	S			⊗		⊗						⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗				
	H																							
	ZOXX1203-GF	6																						
	ZOXX1604-GF	8																						
	ZOXX2005-GF	10																						
	ZOXX2506-GF	12.5																						
	ZOXX3007-GF	15																						
	ZOXX3207-GF	16																						
	ZOXX1203-GM	6																						
ZOXX1604-GM	8																							
ZOXX2005-GM	10																							
ZOXX2506-GM	12.5																							
ZOXX3007-GM	15																							
ZOXX3207-GM	16																							

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

System code > B26

Grade selection > B24

Technical info > B527

Cutting data > B230



A

Turning

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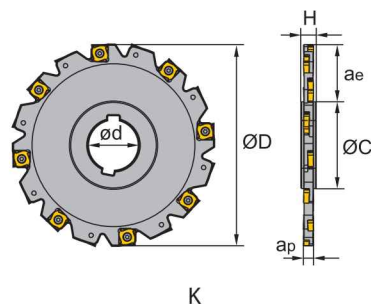
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Notes section with horizontal dotted lines for writing.

Slot milling



Article	*	Stock	Dimensions [mm]						Coupling	kg	Inserts
			ØD	ød	Øc	H	ap	ae max			
SMP01-100x4-K27-SN12-10		○	100	27	45	12	4	25	K	0.2	XSEQ1202
SMP01-125x4-K40-SN12-12		○	125	40	56	12	4	32	K	0.3	
SMP01-160x4-K40-SN12-16		●	160	40	67	12	4	44	K	0.5	XSEQ1203
SMP01-100x5-K27-SN12-10		○	100	27	45	12	5	25	K	0.2	
SMP01-125x5-K40-SN12-12		○	125	40	56	12	5	32	K	0.3	XSEQ1204
SMP01-160x5-K40-SN12-16		○	160	40	67	12	5	44	K	0.6	
SMP01-100x7-K27-SN12-10		○	100	27	45	12	7	25	K	0.3	XSEQ1204
SMP01-125x7-K40-SN12-12		○	125	40	56	12	7	32	K	0.4	
SMP01-160x7-K40-SN12-16		○	160	40	67	12	7	44	K	0.8	XSEQ12T3
SMP01-200x7-K50-SN12-18		○	200	50	71	12	7	62	K	1.2	
SMP01-250x7-K50-SN12-24		○	250	50	71	12	7	87	K	1.9	XSEQ12T3
SMP01-100x6-K27-SN12-10		○	100	27	45	12	6	25	K	0.3	
SMP01-125x6-K40-SN12-12		○	125	40	56	12	6	32	K	0.4	XSEQ12T4
SMP01-160x6-K40-SN12-16		○	160	40	67	12	6	44	K	0.7	
SMP01-200x6-K50-SN12-18		○	200	50	71	12	6	62	K	1.1	XSEQ12T4
SMP01-250x6-K50-SN12-24		○	250	50	71	12	6	87	K	1.7	
SMP01-315x6-K50-SN12-32		○	315	50	72	11.15	6	119.6	K	2.9	XSEQ12T4
SMP01-100x8-K27-SN12-10		○	100	27	45	12	8	25	K	0.3	
SMP01-125x8-K40-SN12-12		○	125	40	56	12	8	32	K	0.5	XSEQ12T4
SMP01-160x8-K40-SN12-16		○	160	40	67	12	8	44	K	0.9	
SMP01-200x8-K50-SN12-18		○	200	50	71	12	8	62	K	1.4	XSEQ12T4
SMP01-250x8-K50-SN12-24		○	250	50	71	12	8	87	K	2.2	

● Ex stock ○ On demand

* With internal cooling

System code > B26

Grade selection > B24

Technical info > B527

Cutting data > B230

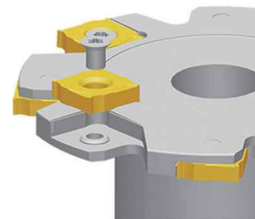


Indexable milling Slot milling

A

Turning

Spare parts						
	Insert	XSEQ1202	XSEQ1203	XSEQ1204	XSEQ12T3	XSEQ12T4
	ØD	63-160	63-160	63-250	63-360	63-250
	Screw (insert)	I91M4×3.2X (3.4 Nm)	I91M4×3.2X (3.4 Nm)	I91M4×6.1X (3.4 Nm)	I91M4×5.1X (3.4 Nm)	I91M4×7.1X (3.4 Nm)
	Wrench (insert)	WT08IP	WT08IP	WT08IP	WT08IP	WT08IP



B

Milling

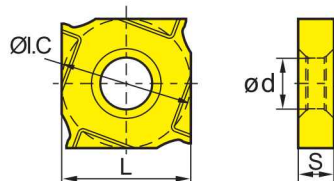

XSEQ	L	I.C	S	d
12 02	12.7	12.7	2.3	5
12 03	12.7	12.7	3	5
12 T3	12.7	12.7	3.5	5
12 04	12.7	12.7	4	5
12 T4	12.7	12.7	4.5	5

- Ideal machining conditions
- ⊗ Normal machining conditions
- ⊗ Unfavourable machining conditions

Milling inserts

C

Drilling

XS** milling insert	HC ¹ (CVD)						HC ¹ (PVD)				HT	HC ²	HW										
	P	M	K	N	S	H																	
																							
ISO	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201	
	XSEQ1202															○							
	XSEQ1203	○	●													●							
	XSEQ1204															●							
	XSEQ12T3		●													●						○	
	XSEQ12T4															●							

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

D

Technical Information

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System code > B26

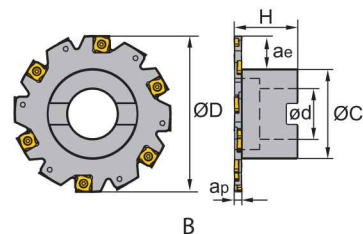
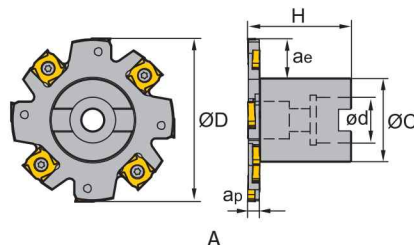
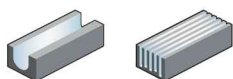
Grade selection > B24

Technical info > B527

Cutting data > B230

Slot milling

SMP01 Kr: 90°



Article	* Stock	Dimensions [mm]							Teeth	Coupling	kg	Inserts
		ØD	ød	Øc	H	ap	ae,max					
SMP01-063x4-A22-SN12-06	○	63	22	32	40	4	14	6	A	0.2	XSEQ1202	
SMP01-080x4-A22-SN12-08	○	80	22	40	40	4	18	8	A	0.4		
SMP01-100x4-A27-SN12-10	○	100	27	48	50	4	23	10	A	0.6		
SMP01-063x5-A22-SN12-06	○	63	22	32	40	5	14	6	A	0.2	XSEQ1203	
SMP01-080x5-A22-SN12-08	○	80	22	40	40	5	18	8	A	0.4		
SMP01-100x5-A27-SN12-10	○	100	27	48	50	5	23	10	A	0.7		
SMP01-063x7-A22-SN12-06	○	63	22	32	40	7	14	6	A	0.2	XSEQ1204	
SMP01-080x7-A22-SN12-08	○	80	22	40	40	7	18	8	A	0.5		
SMP01-100x7-A27-SN12-10	○	100	27	48	50	7	23	10	A	0.7		
SMP01-125x7-B40-SN12-12	○	125	40	72	50	7	23	12	B	1.1	XSEQ12T3	
SMP01-160x7-B40-SN12-16	○	160	40	70	60	7	41	16	B	1.4		
SMP01-063x6-A22-SN12-06	○	63	22	32	40	6	14	6	A	0.2		
SMP01-080x6-A22-SN12-08	○	80	22	40	40	6	18	8	A	0.5	XSEQ12T4	
SMP01-100x6-A27-SN12-10	○	100	27	48	50	6	23	10	A	0.7		
SMP01-125x6-B40-SN12-12	○	125	40	72	50	6	23	12	B	1		
SMP01-160x6-B40-SN12-16	○	160	40	70	60	6	41	16	B	1.3	XSEQ12T4	
SMP01-063x8-A22-SN12-06	○	63	22	32	40	8	14	6	A	0.2		
SMP01-080x8-A22-SN12-08	○	80	22	40	40	8	18	8	A	0.5		
SMP01-100x8-A27-SN12-10	○	100	27	48	50	8	23	10	A	0.8	XSEQ12T4	
SMP01-125x8-B40-SN12-12	○	125	40	72	50	8	23	12	B	1.1		
SMP01-160x8-B40-SN12-16	○	160	40	70	60	8	41	16	B	1.5		

● Ex stock ○ On demand

* With internal cooling

System code > B26

Grade selection > B24

Technical info > B527

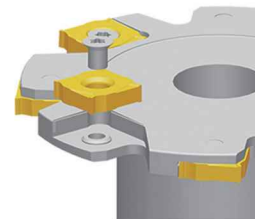
Cutting data > B230



Indexable milling Slot milling

Spare parts

	Insert	XSEQ1202	XSEQ1203	XSEQ1204	XSEQ12T3	XSEQ12T4
	ØD	63-160	63-160	63-250	63-250	63-250
	Screw (insert)	I91M4×3.2X (3.4 Nm)	I91M4×3.2X (3.4 Nm)	I91M4×6.1X (3.4 Nm)	I91M4×5.1X (3.4 Nm)	I91M4×7.1X (3.4 Nm)
	Wrench (insert)	WT08IP	WT08IP	WT08IP	WT08IP	WT08IP






A

Turning

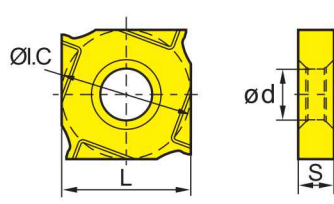

B

Milling

XSEQ	L	I.C	S	d
12 02	12.7	12.7	2.3	5
12 03	12.7	12.7	3	5
12 T3	12.7	12.7	3.5	5
12 04	12.7	12.7	4	5
12 T4	12.7	12.7	4.5	5

-  Ideal machining conditions
-  Normal machining conditions
-  Unfavourable machining conditions

Milling inserts

XS** milling insert		HC ¹ (CVD)						HC ¹ (PVD)				HT	HC ²	HW										
		P	M	K	N	S	H																	
	ISO	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201	
	XSEQ1202																○							
	XSEQ1203	○	●														●							
	XSEQ1204																●							
	XSEQ12T3	●															●						○	
	XSEQ12T4																●							

● Ex stock ○ On demand

HC¹ Coated carbide
HT Uncoated cermet
HC² Coated cermet
HW Uncoated carbide

C

Drilling

D

Technical Information

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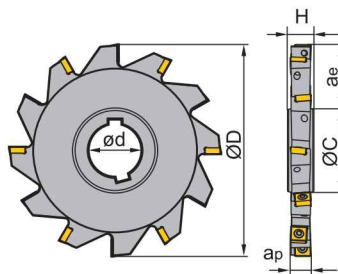
System code > B26

Grade selection > B24

Technical info > B527

Cutting data > B230

Slot milling



K

Article	* Stock	Dimensions [mm]							Teeth	Coupling	kg	Inserts
		ØD	ød	Øc	H	ap	ae max					
SMP03-080x8-K27-MP06-10	○	80	27	44	12	8	17.6	10	K	0.2	MPHT0603	
SMP03-100x8-K32-MP06-14	○	100	32	49	12	8	25.1	14	K	0.3		
SMP03-100x10-K32-MP06-14	○	100	32	49	14	10	25.1	14	K	0.4		
SMP03-125x10-K40-MP06-16	○	125	40	57	14	10	33.6	16	K	0.6	MPHT0803	
SMP03-125x12-K40-MP08-12	○	125	40	58.3	16	12	32.6	12	K	0.7		
SMP03-160x12-K40-MP08-14	○	160	40	64.3	16	12	31.5	14	K	1.3		
SMP03-160x16-K40-MP12-12	○	160	40	64.6	20	16	47.6	12	K	1.6	MPHT1204	
SMP03-160x18-K40-MP12-12	○	160	40	65.3	24	18	47.3	12	K	1.9		
SMP03-160x20-K40-MP12-12	○	160	40	65.3	26	20	47.3	12	K	2.1		
SMP03-200x16-K50-MP12-14	○	200	50	74.6	20	16	62.6	14	K	2.5		
SMP03-200x18-K50-MP12-14	○	200	50	75.3	24	18	62.3	14	K	2.9		
SMP03-200x20-K50-MP12-14	○	200	50	75.3	26	20	62.3	14	K	3.3		

● Ex stock ○ On demand

* With internal cooling

Spare parts					
	Insert	MPHT0603	MPHT0803	MPHT1204	
	ØD	80-125	125-160	160-200	
	Screw (insert)	I60M2.5x6.5 (1.0 Nm)	I60M3x7 (1.8 Nm)	I60M5x13 (6.7 Nm)	
	Wrench (insert)	WT07IP	WT09IP		
	Wrench (insert)			WT20IS	

A

Turning

B

Milling

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Drilling

D

Technical Information

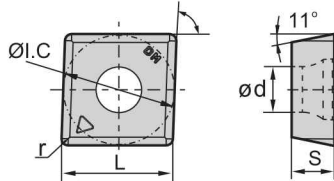

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-  Ideal machining conditions
-  Normal machining conditions
-  Unfavourable machining conditions

MPHT	L	I.C	S	d
06 03	6.35	6.35	3.18	2.8
08 03	8.3	8.3	3.18	3.4
12 04	12.7	12.7	4.76	5.56

Milling inserts

MP** milling insert		HC ¹ (CVD)						HC ¹ (PVD)						HT	HC ²	HW								
	P																							
	M																							
	K																							
	N																							
	S																							
	H																							
ISO	r	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201	
	MPHT060304-DM	0.4	●			●											●							
	MPHT080305-DM	0.5	●			○											●							
	MPHT120408-DM	0.8	●			○		●									●							

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

System code > B26

Grade selection > B24

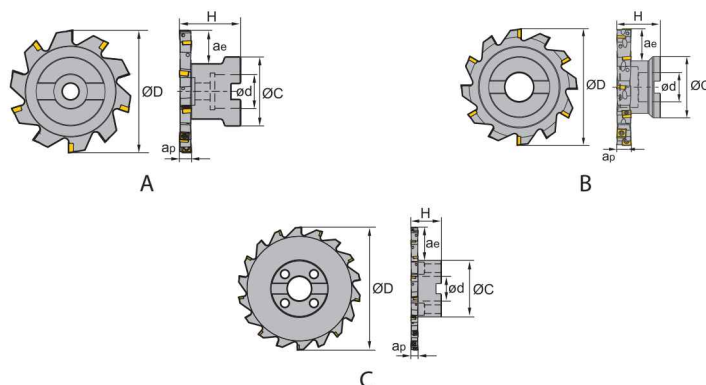
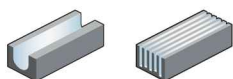
Technical info > B527

Cutting data > B230



Slot milling

SMP03 Kr: 90°



Article	* Stock	Dimensions [mm]							Teeth	Coupling	kg	Inserts
		ØD	ød	Øc	H	ap	ae,max					
SMP03-080x8-A22-MP06-10	○	80	22	45	40	8	21	10	A	0.4	MPHT0603	
SMP03-100x8-B27-MP06-14	○	100	27	55	40	8	24.5	14	B	0.6		
SMP03-100x10-B27-MP06-14	●	100	27	55	40	10	24.5	14	B	0.7		
SMP03-125x10-B32-MP06-16	○	125	32	65	45	10	33.3	16	B	1.1	MPHT0803	
SMP03-125x12-B32-MP08-12	○	125	32	65	45	12	33	12	B	1.4		
SMP03-160x12-B40-MP08-14	○	160	40	80	50	12	44	14	B	1.9		
SMP03-200x12-C40-MP08-18	○	200	40	92	50	12	52	18	C	3.2	MPHT1204	
SMP03-125x16-B32-MP12-10	○	125	32	65	50	16	33	10	B	2.3		
SMP03-160x16-B40-MP12-12	○	160	40	80	60	16	45	12	B	2.3		
SMP03-160x18-B40-MP12-12	○	160	40	80	60	18	45	12	B	2.4	MPHT1204	
SMP03-200x16-C40-MP12-14	○	200	40	92	50	16	52	14	C	3.6		
SMP03-200x18-C40-MP12-14	○	200	40	92	50	18	52	14	C	3.9		
SMP03-200x20-C40-MP12-14	○	200	40	92	50	20	52	14	C	4.2		

● Ex stock ○ On demand

* With internal cooling

Spare parts

	Insert	MPHT0603	MPHT0803	MPHT1204	
	ØD	80-125	125-200	125-200	
	Screw (insert)	I60M2.5x6.5 (1.0 Nm)	I60M3x7 (1.8 Nm)	I60M5x13 (6.7 Nm)	
	Wrench (insert)	WT07IP	WT09IP		
	Wrench (insert)			WT20IS	

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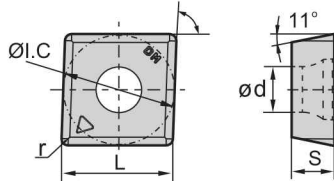

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-  Ideal machining conditions
-  Normal machining conditions
-  Unfavourable machining conditions

MPHT	L	I.C	S	d
06 03	6.35	6.35	3.18	2.8
08 03	8.3	8.3	3.18	3.4
12 04	12.7	12.7	4.76	5.56

Milling inserts

MP** milling insert		HC ¹ (CVD)						HC ¹ (PVD)					HT	HC ²	HW									
	P																							
	M																							
	K																							
	N																							
	S																							
	H																							
ISO	r	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201	
	MPHT060304-DM	0.4	●			●											●							
	MPHT080305-DM	0.5	●			○											●							
	MPHT120408-DM	0.8	●			○		●									●							

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

System code > B26

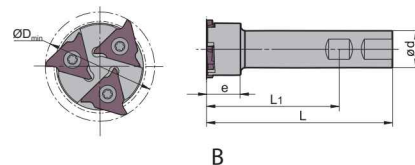
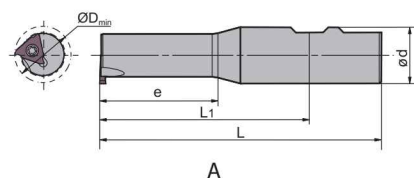
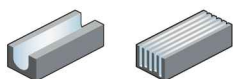
Grade selection > B24


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Cutting data > B230

Slot milling

SMP05 Kr: 90°






Article	*	Stock	Dimensions [mm]					Teeth	Coupling	Inserts
			e	ØDmin	ød	L ₁	L			
SMP05-025x3.0-XP25-QC16-01	●		40	25	25	89	125	1	A	
SMP05-039x3.0-XP25-QC16-03	●		23	39	25	89	125	3	B	
SMP05-044x4.8-XP25-QC22-03	●		23	44	25	89	125	3	B	

● Ex stock ○ On demand

* With internal cooling

Spare parts

Insert		QC16L	QC16L	QC22L	
ØD		25	39	44	
	Screw (insert)	I60M3.5×10 (2.7 Nm)	I60M3.5×10 (2.7 Nm)	I60M5×13 (6.7 Nm)	
	Wrench (insert)	WT15IP	WT15IP	WT20IP	

Indexable milling Slot milling

Milling inserts

- Ideal machining conditions
- Normal machining conditions
- Unfavourable machining conditions

QC16	I.C	d
16	9.525	4.4
22	12.7	5.5

QC** turning/milling insert	HC ¹ (CVD)					HC ¹ (PVD)					HT	HC ²	HW	
	P	M	K	N	S	H								

ISO	S±0.025	La _{max}	R/C	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201
QC16L075-R01	0.75	2	0.1														○								
QC16L095-R01	0.95	2	0.1														○								
QC16L100-R01	1	2	0.1														○								
QC16L110-R01	1.1	2	0.1											○			●								
QC16L120-R01	1.2	2	0.1														○								
QC16L125-R02	1.25	2	0.2														●								
QC16L130-R02	1.3	2	0.2														○								
QC16L145-R02	1.45	2	0.2														●								
QC16L150-R02	1.5	2	0.2														○								
QC16L160-R02	1.6	2	0.2														●								
QC16L165-R02	1.65	2	0.2														○								
QC16L170-R02	1.7	2	0.2														○								
QC16L175-R02	1.75	2	0.2														○								
QC16L185-R02	1.85	2.5	0.2														○								
QC16L200-R02	2	2.5	0.2														●								
QC16L210-R02	2.1	2.5	0.2														○								
QC16L210-R05	2.1	2.5	0.5														○								
QC16L220-R02	2.2	2.5	0.2														○								
QC16L250-R02	2.5	2.5	0.2														●								
QC16L300-R02	3	3	0.2														●								

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

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Milling inserts

- Ideal machining conditions
- Normal machining conditions
- Unfavourable machining conditions

QC16	I.C	d
16	9.525	4.4
22	12.7	5.5

QC** turning/milling insert				HC ¹ (CVD)						HC ¹ (PVD)						HT	HC ²	HW
				P	M	K	N	S	H									
				YBC302						YBC301								
				YBC401						YBM253								
				YBM251						YBM351								
				YBD152						YBD252								
				YBG101						YBG102								
				YBG202						YBG212								
				YBG203						YBG205								
				YB9320						YBG302								
				YBS303						YBG252								
				YNG151						YNG151C								
				YD101						YD201								
	QC22L100-R02	1	2	0.2														
	QC22L125-R02	1.25	2	0.2														
	QC22L145-R02	1.45	2	0.2														
	QC22L150-R02	1.5	3.5	0.2														
	QC22L175-R02	1.75	3.5	0.2														
	QC22L185-R02	1.85	3.5	0.2														
	QC22L200-R02	2	3.5	0.2														
	QC22L230-R02	2.3	3.5	0.2														
	QC22L250-R03	2.5	4	0.3														
	QC22L265-R03	2.65	4	0.3														
	QC22L280-R03	2.8	4	0.3														
	QC22L300-R03	3	4	0.3														
	QC22L320-R03	3.2	4	0.3														
	QC22L330-R03	3.3	4	0.3														
	QC22L350-R03	3.5	5	0.3														
	QC22L400-R04	4	5	0.4														
	QC22L430-R04	4.3	5	0.4														
	QC22L450-R04	4.5	5	0.4														
QC22L480-R04	4.8	5	0.4															

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

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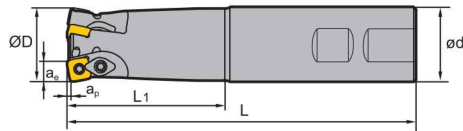
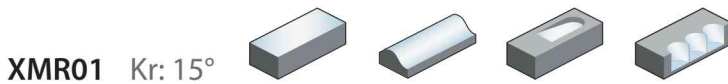
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High feed milling



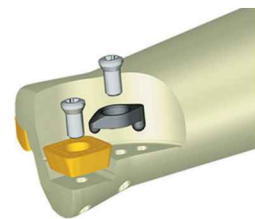
S type insert, Weldon shank

Article	*	Stock	Dimensions [mm]						Teeth	kg	Inserts
			ØD	ød	ap	ae	L ₁	L			
XMR01-020-XP20-SD06-04C	*	○	20	20	0.8	5.8	50	130	4	0.24	SDMT06T2
XMR01-025-XP25-SD06-03C	*	○	25	25	0.8	5.8	60	140	3	0.46	
XMR01-025-XP25-SD06-05C	*	○	25	25	0.8	5.8	60	140	5	0.44	
XMR01-032-XP32-SD06-06C	*	○	32	32	0.8	5.8	70	150	6		SDMT09T3
XMR01-025-XP25-SD09-02		○	25	25	1.4	8.8	60	140	2	0.5	
XMR01-032-XP32-SD09-03C	*	○	32	32	1.4	8.8	70	150	3	0.8	
XMR01-035-XP32-SD09-03		○	35	32	1.4	8.8	70	150	3	0.8	SDMT1204
XMR01-040-XP40-SD12-03		○	40	40	1.8	11.7	70	150	3	1.3	
XMR01-040-XP40-SD12-03C	*	○	40	40	1.8	11.7	70	150	3	1.2	
XMR01-040-XP40-SD15-02		○	40	40	2.2	14	70	200	2	1.6	SDMT1505

● Ex stock ○ On demand

* With internal cooling

Spare parts		Insert	SDMT06T2	SDMT09T3	SDMT1204	SDMT1505
		ØD	20-63	25-63	32-100	40-160
	Clamp			WD-204	WD-204	WD-208
	Screw (clamp)			I60M4×8.4 (3.4 Nm)	I60M4×8.4 (3.4 Nm)	I60M5×13 (6.7 Nm)
	Screw (insert)	I60M2.2×5.5 (0.8 Nm)			I60M4×8.4 (3.4 Nm)	I60M5×13 (6.7 Nm)
	Screw (insert)			I60M3.5×08TT (2.7 Nm)		
	Wrench (clamp)			WT15IP	WT15IP	WT20IP
	Wrench (insert)		WT07IP	WT10IP	WT15IP	WT20IP



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SDMT	L	I.C	S	d
06 T2	6.35	6.35	2.58	5.5
09 T3	9.525	9.525	3.97	4
12 04	12.7	12.7	4.76	4.4
15 05	15.875	15.875	5.56	5.5

-  Ideal machining conditions
-  Normal machining conditions
-  Unfavourable machining conditions

Milling inserts

SD** milling insert		HC ¹ (CVD)								HC ¹ (PVD)					HT	HC ²	HW								
		P	M	K	N	S	H																		
ISO		r	α	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201
	SDMT06T208-DM	0.8	15					○						○		○									
	SDMT09T312-DM	1.2	15	●				●						○	○				●						
	SDMT120412-DM	1.2	15	●				●		●				○	○										
	SDMT150520-DM	2	15											○											
	SDMT09T312-NM						●								○	●			●						
	SDMT120412-NM						●								○	●		●	●						
	SDMT06T208-PM	0.8	15	●			●									○	●			○					
	SDMT09T312-PM	1.2	15				●			○				○		●									
	SDMT120412-PM	1.2	15				●							○		●									
	SDMT150520-PM	2	15														○								

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

System code > B26

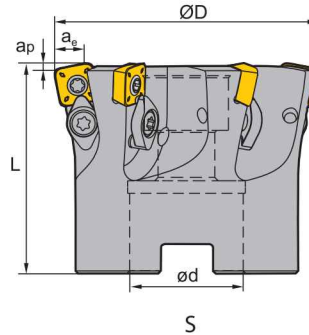
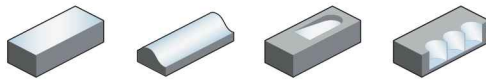
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Technical info > B527

Cutting data > B230

High feed milling

XMR01 Kr: 15°



Article	*	Stock	Dimensions [mm]					Teeth	Coupling	kg	Inserts
			ØD	ød	ap	ae	L				
XMR01-040-A16-SD06-07C	*	○	40	16	0.8	5.8	40	7	A	0.178	SDMT06T2
XMR01-050-A22-SD06-07C	*	○	50	22	0.8	5.8	40	7	A	0.36	
XMR01-050-A22-SD06-08C	*	○	50	22	0.8	5.8	40	8	A	0.36	
XMR01-063-A22-SD06-10C	*	○	63	22	0.8	5.8	40	10	A	0.53	
XMR01-063-A27-SD06-10C	*	○	63	27	0.8	5.8	50	10	A	0.57	
XMR01-040-A16-SD09-04		○	40	16	1.4	8.8	40	4	A	0.182	SDMT09T3
XMR01-040-A16-SD09-04C	*	○	40	16	1.4	8.8	40	4	A	0.182	
XMR01-040-A16-SD09-05		○	40	16	1.4	8.8	40	5	A	0.181	
XMR01-050-A22-SD09-04C	*	●	50	22	1.4	8.8	40	4	A	0.3	
XMR01-050-A22-SD09-05C	*	○	50	22	1.4	8.8	40	5	A	0.3	
XMR01-063-A22-SD09-06C	*	●	63	22	1.4	8.8	40	6	A	0.5	
XMR01-063-A27-SD09-06C	*	○	63	27	1.4	8.8	50	6	A	0.6	
XMR01-063-A22-SD09-07C	*	●	63	22	1.4	8.8	40	7	A	0.44	
XMR01-063-A27-SD09-07C	*	○	63	27	1.4	8.8	50	7	A		
XMR01-050-A22-SD12-03C	*	○	50	22	1.8	11.7	40	3	A		
XMR01-050-A22-SD12-04C	*	●	50	22	1.8	11.7	40	4	A		
XMR01-052-A22-SD12-04C	*	○	52	22	1.8	11.7	40	4	A		
XMR01-052-A22-SD12-05C	*	○	52	22	1.8	11.7	40	5	A		
XMR01-063-A22-SD12-05C	*	●	63	22	1.8	11.7	40	5	A	0.5	
XMR01-063-A27-SD12-05C	*	●	63	27	1.8	11.7	50	5	A	0.6	
XMR01-063-A22-SD12-06C	*	●	63	22	1.8	11.7	50	6	A	0.55	
XMR01-066-A27-SD12-05C	*	○	66	27	1.8	11.7	50	5	A	0.56	
XMR01-080-A27-SD12-05C	*	●	80	27	1.8	11.7	63	5	A	0.9	
XMR01-080-A27-SD12-06C	*	●	80	27	1.8	11.7	50	6	A	0.9	
XMR01-080-A27-SD12-07C	*	●	80	27	1.8	11.7	50	7	A	0.93	
XMR01-080-A27-SD12-08C	*	●	80	27	1.8	11.7	50	8	A	0.92	
XMR01-100-B32-SD12-06		●	100	32	1.8	11.7	50	6	B	1.8	
XMR01-100-B32-SD12-06C	*	●	100	32	1.8	11.7	50	6	B	1.8	

● Ex stock ○ On demand

* With internal cooling

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Article	*	Stock	Dimensions [mm]					Teeth	Coupling		Inserts
			ØD	ød	a _p	ae	L				
XMR01-100-B32-SD12-07C	*	●	100	32	1.8	11.7	50	7	B		
XMR01-125-B40-SD12-08C	*	●	125	40	1.8	11.7	63	8	B		SDMT1204
XMR01-125-B40-SD12-09C	*	●	125	40	1.8	11.7	63	9	B		
XMR01-063-A22-SD15-04C	*	○	63	22	2.2	14	40	4	A		
XMR01-100-B32-SD15-07		○	100	32	2.2	14	50	7	B	1.2	SDMT1505
XMR01-125-B40-SD15-09		○	125	40	2.2	14	63	9	B	2.9	

● Ex stock ○ On demand

* With internal cooling

B

Milling

Spare parts					
	Insert	SDMT06T2	SDMT09T3	SDMT1204	SDMT1505
	ØD	20-63	25-63	32-160	40-160
	Clamp		WD-204	WD-204	WD-208
	Screw (clamp)		I60M4×8.4 (3.4 Nm)	I60M4×8.4 (3.4 Nm)	I60M5×13 (6.7 Nm)
	Screw (insert)	I60M2.2×5.5 (0.8 Nm)		I60M4×8.4 (3.4 Nm)	I60M5×13 (6.7 Nm)
	Screw (insert)		I60M3.5×08TT (2.7 Nm)		
	Wrench (clamp)		WT15IP	WT15IP	WT20IP
	Wrench (insert)	WT07IP	WT10IP	WT15IP	WT20IP



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Technical info > B527

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SDMT	L	I.C	S	d
06 T2	6.35	6.35	2.58	5.5
09 T3	9.525	9.525	3.97	4
12 04	12.7	12.7	4.76	4.4
15 05	15.875	15.875	5.56	5.5

- Ideal machining conditions
- Normal machining conditions
- Unfavourable machining conditions

Milling inserts

SD** milling insert		HC ¹ (CVD)						HC ¹ (PVD)					HT	HC ²	HW											
ISO		r	α	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201	
	SDMT06T208-DM	0.8	15					○						○	○					○						
	SDMT09T312-DM	1.2	15	●				●		○				○	○					●						
	SDMT120412-DM	1.2	15	●				●		●				○	○											
	SDMT150520-DM	2	15												○											
	SDMT09T312-NM						●								○	●				●						
	SDMT120412-NM						●								○	●	●			●						
	SDMT06T208-PM	0.8	15	●		●									○	●				○						
	SDMT09T312-PM	1.2	15				●			○				○		●										
	SDMT120412-PM	1.2	15				●							○		●										
	SDMT150520-PM	2	15				○									○										

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

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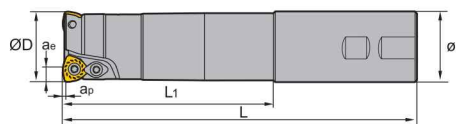
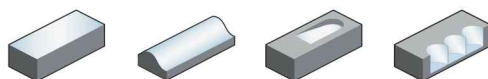
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High feed milling

XMR01 Kr: 11°-22°



W type insert, Weldon shank

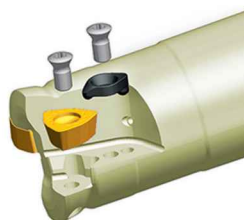
Article	*	Stock	Dimensions [mm]						Teeth	kg	Inserts
			ØD	ød	ap	ae	L ₁	L			
XMR01-020-XP20-WP05-02C-M	*	○	20	20	1.5	3.8	50	130	2	0.2	WPGT0503
XMR01-020-XP20-WP05-02-L		○	20	20	1.5	3.8	100	180	2	0.3	
XMR01-020-XP20-WP05-02-XL		○	20	20	1.5	3.8	130	250	2	0.8	
XMR01-025-XP25-WP06-02C-M	*	○	25	25	1.5	4.35	60	140	2	0.4	WPGT0604
XMR01-025-XP25-WP06-02-L		○	25	25	1.5	4.35	120	200	2	0.6	
XMR01-025-XP25-WP06-02-XL		○	25	25	1.5	4.35	180	300	2	1	
XMR01-032-XP32-WP06-03C-M	*	○	32	32	1.5	4.35	70	150	3	0.8	
XMR01-032-XP32-WP06-03-L		○	32	32	1.5	4.35	120	200	3	1	
XMR01-032-XP32-WP06-03-XL		○	32	32	1.5	4.35	180	300	3	1.6	
XMR01-040-XP32-WP06-03C-M	*	○	40	32	1.5	4.35	50	150	3	0.9	
XMR01-040-XP32-WP06-03-XL		○	40	32	1.5	4.35	50	300	3	1.8	




● Ex stock ○ On demand

* With internal cooling

Variable lead angle (lead angle is hier dependent on size of inserts)
lead angle: WPGT05: 16°; WPGT06: 22°; WPGT08: 11°; WPGT09: 21°

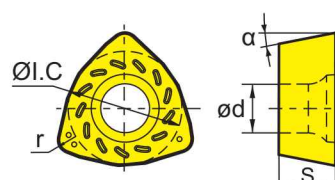


Spare parts			
	Insert	WPGT0503	WPGT0604
	ØD	20	25-40
	Screw (insert)	I60M3.5×6.5 (2.7 Nm)	I60M4×8.4 (3.4 Nm)
	Wrench (insert)	WT10IP	WT15IP



-  Ideal machining conditions
-  Normal machining conditions
-  Unfavourable machining conditions

WPGT	I.C	S	d
05 03	7.94	3.5	4
06 04	9.525	4.2	4.4

Milling inserts

WP** positive insert			HC ¹ (CVD)						HC ¹ (PVD)					HT	HC ²	HW									
	P																								
	M																								
	K																								
	N																								
	S																								
	H																								
ISO	r		YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201	
	WPGT050315ZSR-PM	1.5																							
	WPGT060415ZSR-PM	1.5																							
	WPGT050315ZSR	1.5																							
	WPGT060415ZSR	1.5																							

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

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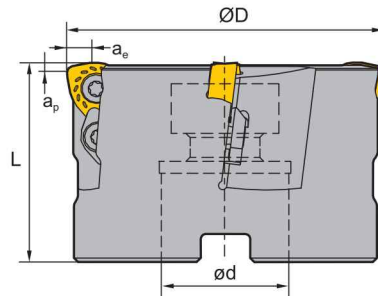
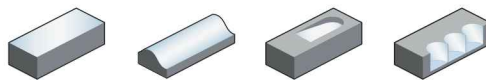


High feed milling

A

Turning

XMR01 Kr: 11°-22°



W type insert, Arbor mounting

B

Milling

Article	*	Stock	Dimensions [mm]					Teeth	Coupling	kg	Inserts
			ØD	ød	ap	ae	L				
XMR01-050-A22-WP06-04		●	50	22	1.5	4.35	50	4	A	0.4	WPGT0604
XMR01-050-A22-WP06-04C	*	●	50	22	1.5	4.35	50	4	A	0.4	
XMR01-050-A22-WP08-03		○	50	22	1.5	5.66	50	3	A	0.4	WPGT0806
XMR01-063-A27-WP08-04		●	63	27	1.5	5.66	50	4	A	0.7	
XMR01-063-A22-WP08-04C	*	●	63	22	1.5	5.66	50	4	A	0.7	
XMR01-063-A27-WP08-04C	*	○	63	27	1.5	5.66	50	4	A	0.7	
XMR01-080-A27-WP08-05C	*	●	80	27	1.5	5.66	63	5	A	1.5	
XMR01-100-B32-WP08-06		●	100	32	1.5	5.66	63	6	B	2.2	
XMR01-125-B40-WP08-07		●	125	40	1.5	5.66	63	7	B	3.5	WPGT0907
XMR01-160-B40-WP08-08		○	160	40	1.5	5.66	63	8	B	6	
XMR01-063-A22-WP09-03C	*	○	63	22	3	6.8	50	3	A	0.7	
XMR01-080-A27-WP09-04C	*	○	80	27	3	6.8	63	4	A	1.4	
XMR01-100-B32-WP09-05		○	100	32	3	6.8	63	5	B	2.1	
XMR01-125-B40-WP09-06		○	125	40	3	6.8	63	6	B	3.7	
XMR01-160-B40-WP09-07		○	160	40	3	6.8	63	7	B	6.3	

● Ex stock ○ On demand

* With internal cooling

Variable lead angle (lead angle ist hier dependent on size of inserts)
lead angle: WPGT05: 16°; WPGT06: 22°; WPGT08: 11°; WPGT09: 21°

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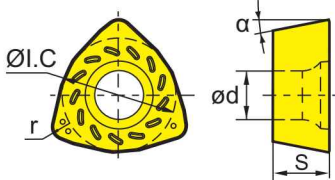


Cutting data > B230

Spare parts					
	Insert	WPGT0604	WPGT0806	WPGT0907	
	ØD	50	50-160	3-160	
	Clamp		WD-208	WD-208	
	Screw (clamp)		I60M5×13 (6.7 Nm)	I60M5×13 (6.7 Nm)	
	Screw (insert)	I60M4×8.4 (3.4 Nm)	I60M5×13 (6.7 Nm)	I60M5×13 (6.7 Nm)	
	Wrench (clamp)		WT20IT	WT20IT	
	Wrench (insert)	WT15IS			
	Wrench (insert)		WT20IT	WT20IT	

Milling inserts

-  Ideal machining conditions
-  Normal machining conditions
-  Unfavourable machining conditions

WPGT	I.C	S	d
06 04	9.525	4.2	4.4
08 06	12.85	6.35	5.5
09 07	15	7	5.5

WP** positive insert		HC ¹ (CVD)						HC ¹ (PVD)					HT	HC ²	HW																	
		P	M	K	N	S	H	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201			
	ISO	r																														
	WPGT060415ZSR-PM	1.5	●																													
	WPGT080615ZSR-PM	1.5	●																													
	WPGT090725ZSR-PM	2.5																														
	WPGT060415ZSR	1.5	●			●																										
	WPGT080615ZSR	1.5	●			●																										
	WPGT090725ZSR	2.5				●																										

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

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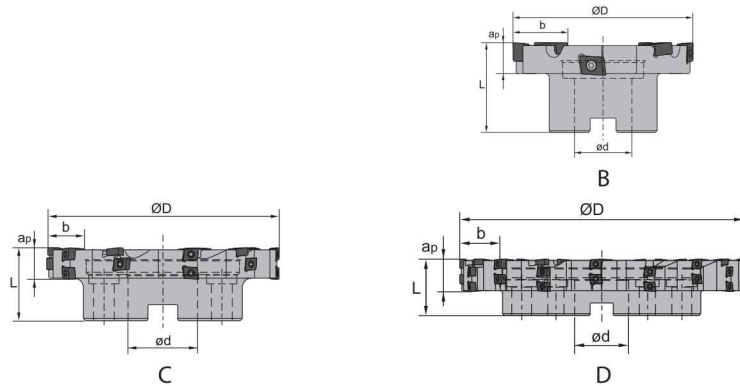
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Dotted lines for notes.

Bore milling



Article	* Stock	Dimensions [mm]					Teeth	Coupling	kg	Inserts
		ØD	ød	b	ap	L				
XMP01-080*18-B27-CNE1210-08	●	80	27	18	15	50	8	B	0.67	CNE12
XMP01-100*18-B32-CNE1210-08	●	100	32	18	20	50	8	B	0.99	
XMP01-125*27-B40-CNE1210-15	●	125	40	27	22.5	63	15	B	2.46	
XMP01-160*27-C40-CNE1210-18	●	160	40	27	25	63	18	C	3.7	
XMP01-200*27-C60-CNE1210-21	●	200	60	27	31.5	63	21	C	5.46	
XMP01-250*36-C60-CNE1210-32	●	250	40	36	56.5	63	32	C	9.79	
XMP01-315*36-D60-CNE1210-42	●	315	60	36	47.5	63	42	D	17.65	
XMP01-400*36-D60-CNE1210-52	●	400	60	36	36	63	52	D	27.36	

● Ex stock ○ On demand

* With internal cooling

Spare parts			
	Insert ØD	CNE12 80-400	
	Screw (insert)	I60M4x12 (3.4Nm)	
	Wrench (insert)	WT15IP	

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Grade selection > B24

Technical info > B527

Cutting data > B230



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- ⊗ Normal machining conditions
- ⊗ Unfavourable machining conditions

CNE	L	S	d
12	12.8	6.35	4.4

Milling inserts

CN** milling insert		HC ¹ (CVD)						HC ¹ (PVD)						HT	HC ²	HW
	P	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	
	M	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	
	K								⊗							
	N								⊗							
	S								⊗	⊗	⊗	⊗	⊗	⊗		
	H															

B

Milling

ISO		R/C	W	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201
	CNE121006A	0.4	10				●																		
	CNE121006B	0.6	10				○			●															

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

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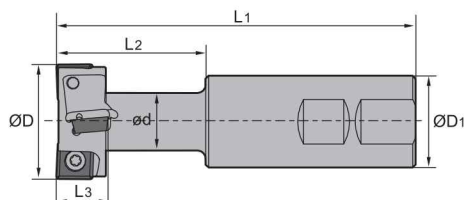
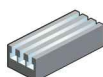
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Cutting data > B230

T-slot milling

TMP01 Kr: 90°

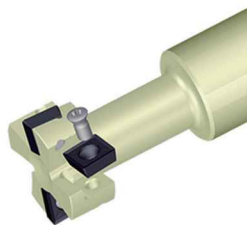





Weldon shank

Article	* Stock	Dimensions [mm]						Teeth	No. of inserts	T-slot specification	Inserts 
		ØD	ØD ₁	ød	L ₁	L ₂	L ₃				
TMP01-021-XP25-MP06-01	●	21	25	10	100	32	9	1	2	12	MPHT0603
TMP01-025-XP25-MP06-01	●	25	25	12	100	35	11	1	2	14	
TMP01-032-XP32-MP08-02	●	32	32	15	110	45	14	2	4	18	MPHT0803
TMP01-040-XP32-MP12-02C	* ●	40	32	19	125	55	18	2	4	22	MPHT1204
TMP01-050-XP40-MP12-02C	* ●	50	40	25	140	65	22	2	4	28	
TMP01-060-XP50-MP12-02	●	60	50	32	160	80	28	2	6	36	

● Ex stock ○ On demand

* With internal cooling

Spare parts					
Insert	MPHT0603	MPHT0803	MPHT1204		
ØD	21-25	32	40-60		
 Screw (insert)	I60M2.5x5.5 (1.0 Nm)	I60M3x7 (1.8 Nm)	I60M5x10 (6.7 Nm)		
 Wrench (insert)	WT07IP	WT09IP			
 Wrench (insert)			WT20IT		

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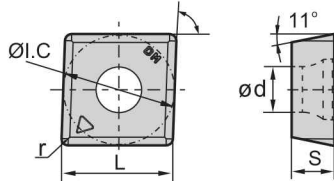

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-  Ideal machining conditions
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-  Unfavourable machining conditions

MPHT	L	I.C	S	d
06 03	6.35	6.35	3.18	2.8
08 03	8.3	8.3	3.18	3.4
12 04	12.7	12.7	4.76	5.56

Milling inserts

MP** milling insert		HC ¹ (CVD)						HC ¹ (PVD)					HT	HC ²	HW									
	P																							
	M																							
	K																							
	N																							
	S																							
	H																							
ISO	r	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201	
	MPHT060304-DM	0.4	●			●											●							
	MPHT080305-DM	0.5	●			○											●							
	MPHT120408-DM	0.8	●			○		●									●							

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

System code > B26

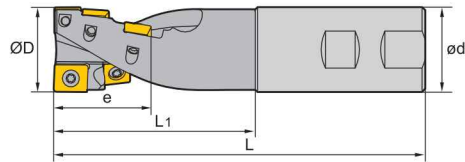
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Cutting data > B230

Helical milling

HMP01 Kr: 90° 






Weldon shank

Article	* Stock	Dimensions [mm]						Teeth row	Teeth		Shanktype	Inserts 
		ØD	e	ød	L ₁	L	APKT		SPMT			
HMP01-040x55-XP40-SP12-02	●	40	55	40	95	175	2	1	5	Weldon	APKT1504 & SPMT1204	
HMP01-050x55-XP40-SP12-04	●	50	55	40	95	175	4	2	10	Weldon		

● Ex stock ○ On demand

* With internal cooling

Spare parts

	Insert	APKT1504 & SPMT1204	APKT1504 & SPMT1204	
	ØD	40	50	
 Screw (insert)		I60M5×10 (6.7 Nm)	I60M5×13 (6.7 Nm)	
 Wrench (insert)		WT20T	WT20T	

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APKT	L	S	d
15 04	16.33	4.76	5.4

Milling inserts

AP** milling insert		HC ¹ (CVD)						HC ¹ (PVD)					HT	HC ²	HW									
	P	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗										
	M	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗										
	K							⊗	⊗							⊗								
	N							⊗							⊗	⊗								
	S			⊗	⊗			⊗	⊗	⊗	⊗	⊗												
	H																							
ISO	r	I.W	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201
	APKT150412-PM	1.2	12.7			●												●						

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

- Ideal machining conditions
- ⊗ Normal machining conditions
- ⊗ Unfavourable machining conditions

SPMT	L	I.C	S	d
12 04	12.7	12.7	4.76	5.5

Milling inserts

SP** milling insert		HC ¹ (CVD)						HC ¹ (PVD)					HT	HC ²	HW								
	P	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗									
	M	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗									
	K															⊗							
	N															⊗	⊗						
	S			⊗	⊗							⊗	⊗	⊗	⊗								
	H																						
ISO	r	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201
	SPMT120408-PM	0.8			●												●						

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

System code > B26

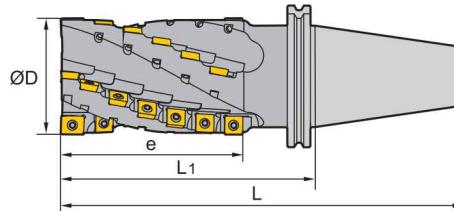
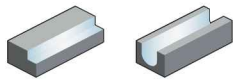
Grade selection > B24


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Helical milling




HMP01 Kr: 90°



Article	* Stock	Dimensions [mm]				Teeth row	Teeth		Shanktype	Inserts
		ØD	e	L ₁	L		APKT	SPMT		
HMP01-050x84-BT50-SP12-04	○	50	84	145	246.8	4	2	16	BT	 APKT1504 & SPMT1204
HMP01-050x84-JT50-SP12-04	○	50	84	145	246.75	4	2	16	JT	
HMP01-063x74-BT50-SP12-04	○	63	74	135	236.8	4	2	14	BT	
HMP01-063x74-JT50-SP12-04	○	63	74	135	236.75	4	2	14	JT	
HMP01-063x104-BT50-SP12-04	○	63	104	165	266.8	4	2	20	BT	
HMP01-063x104-JT50-SP12-04	●	63	104	165	266.75	4	2	20	JT	
HMP01-063x134-BT50-SP12-04	○	63	134	195	296.8	4	2	26	BT	
HMP01-063x134-JT50-SP12-04	○	63	134	195	296.75	4	2	26	JT	
HMP01-080x104-BT50-SP12-04	○	80	104	165	266.8	4	2	20	BT	
HMP01-080x104-JT50-SP12-04	○	80	104	165	266.75	4	2	20	JT	
HMP01-080x144-BT50-SP12-04	○	80	144	205	306.8	4	2	28	BT	
HMP01-080x144-JT50-SP12-04	○	80	144	205	306.75	4	2	28	JT	

● Ex stock ○ On demand

* With internal cooling

Spare parts		
Insert	APKT1504 & SPMT1204	
ØD	50-80	
 Screw (insert)	I60M5x10 (6.7 Nm)	
 Wrench (insert)	WT20IS	

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APKT	L	S	d
15 04	16.33	4.76	5.4

Milling inserts

AP** milling insert		HC ¹ (CVD)						HC ¹ (PVD)					HT	HC ²	HW									
	P	●	●	●	●	●	●	●	●	●	●	●	●	●										
	M	●	●	●	●	●		●	●	●	●	●	●	●										
	K						●	●	●							●								
	N							●								●	●							
	S			●	●				●	●	●	●	●	●										
	H																							
ISO	r	I.W	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201
	APKT150412-PM	1.2	12.7			●												●						

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

- Ideal machining conditions
- Normal machining conditions
- Unfavourable machining conditions

SPMT	L	I.C	S	d
12 04	12.7	12.7	4.76	5.5

Milling inserts

SP** milling insert		HC ¹ (CVD)						HC ¹ (PVD)					HT	HC ²	HW								
	P	●	●	●	●	●	●	●	●	●	●	●	●	●									
	M	●	●	●	●	●		●	●	●	●	●	●	●									
	K						●	●	●							●							
	N							●								●	●						
	S			●	●				●	●	●	●	●	●									
	H																						
ISO	r	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201
	SPMT120408-PM	0.8			●												●						

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

System code > B26

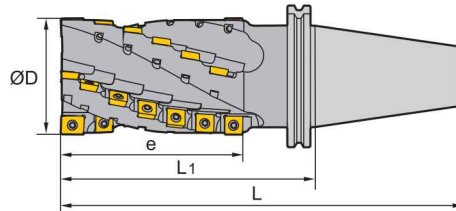
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Helical milling






HMP01 EC Kr: 90° 

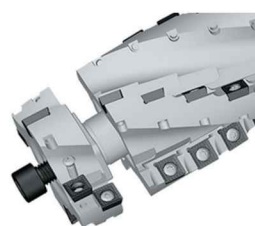


Article	* Stock	Dimensions [mm]				Teeth row	Teeth		Shanktype	Inserts 
		ØD	e	L ₁	L		APKT	SPMT		
HMP01-050x84EC-BT50-SP12-04	○	50	84	145	246.8	4	2	16	BT	APKT1504 & SPMT1204
HMP01-050x84EC-JT50-SP12-04	●	50	84	145	246.75	4	2	16	JT	
HMP01-063x74EC-BT50-SP12-04	○	63	74	135	236.8	4	2	14	BT	
HMP01-063x74EC-JT50-SP12-04	○	63	74	135	236.75	4	2	14	JT	
HMP01-063x104EC-BT50-SP12-04	○	63	104	165	266.8	4	2	20	BT	
HMP01-063x104EC-JT50-SP12-04	○	63	104	165	266.75	4	2	20	JT	
HMP01-063x134EC-BT50-SP12-04	○	63	134	195	296.8	4	2	26	BT	
HMP01-063x134EC-JT50-SP12-04	●	63	134	195	296.75	4	2	26	JT	
HMP01-080x104EC-BT50-SP12-04	○	80	104	165	266.8	4	2	20	BT	
HMP01-080x104EC-JT50-SP12-04	○	80	104	165	266.75	4	2	20	JT	
HMP01-080x144EC-BT50-SP12-04	○	80	144	205	306.8	4	2	28	BT	
HMP01-080x144EC-JT50-SP12-04	○	80	144	205	306.75	4	2	28	JT	

● Ex stock ○ On demand

* With internal cooling

Spare parts		APKT1504 & SPMT1204	APKT1504 & SPMT1204	APKT1504 & SPMT1204
Insert	ØD	50	63	80
 Indexable head		050EC	063EC	080EC
 Screw (head)		M10×50 (16.6 Nm)	M10×50 (16.6 Nm)	M12×55 (25.2 Nm)
 Screw (insert)		I60M5×13 (6.7 Nm)	I60M5×13 (6.7 Nm)	I60M5×13 (6.7 Nm)
 Wrench (head)		WH80L	WH80L	WH100L
 Wrench (insert)		WT20IS	WT20IS	WT20IS



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APKT	L	S	d
15 04	16.33	4.76	5.4

Milling inserts

AP** milling insert		HC ¹ (CVD)						HC ¹ (PVD)					HT	HC ²	HW									
	P	●	●	●	●	●	●	●	●	●	●	●	●	●										
	M	●	●	●	●	●		●	●	●	●	●	●	●										
	K						●	●					●			●								
	N							●							●	●								
	S		●	●				●	●	●	●	●	●											
	H																							
ISO	r	I.W	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201
	APKT150412-PM	1.2	12.7			●												●						

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

- Ideal machining conditions
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SPMT	L	I.C	S	d
12 04	12.7	12.7	4.76	5.5

Milling inserts

SP** milling insert		HC ¹ (CVD)						HC ¹ (PVD)					HT	HC ²	HW								
	P	●	●	●	●	●	●	●	●	●	●	●	●	●									
	M	●	●	●	●	●		●	●	●	●	●	●	●									
	K						●	●							●	●							
	N							●							●	●							
	S		●	●				●	●	●	●	●	●										
	H																						
ISO	r	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201
	SPMT120408-PM	0.8			●												●						

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

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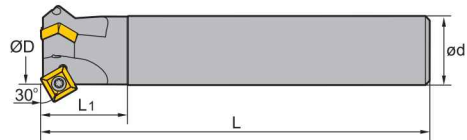
Technical info > B527

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Chamfer milling

CMZ01 Kr: 30° 






Straight shank

Article	*	Stock	Dimensions [mm]				Teeth	kg	Inserts
			ØD	ød	L ₁	L			
CMZ01-012-G20-SP12-01		●	12	20	40	100	1	0.2	 SPMT1204
CMZ01-025-G25-SP12-02		●	25	25	40	120	2	0.8	
CMZ01-032-G32-SP12-03		●	32	32	40	180	3	1.1	

● Ex stock ○ On demand

* With internal cooling

Spare parts

Insert		SPMT1204	
ØD		12-32	
	Screw (insert)	I43M5×11 (6.7Nm)	
	Wrench (insert)	WT20IS	

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SPMT	L	I.C	S	d
12 04	12.7	12.7	4.76	5.5

Milling inserts

SP** milling insert		HC ¹ (CVD)						HC ¹ (PVD)						HT	HC ²	HW								
	P	●	●	●	●	●	●	●	●	●	●	●	●	●	●									
	M	●	●	●	●	●	●	●	●	●	●	●	●	●	●									
	K							●								●								
	N							●							●	●								
	S		●	●				●	●	●	●	●	●											
	H																							
	ISO	r	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201
	SPMT120408-HT-1	0.8											○											
	SPMT120408	0.8	○	●	○		●	○										○						

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

System code > B26

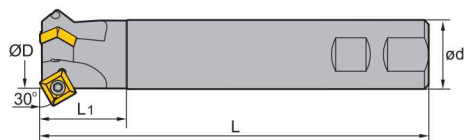
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Chamfer milling

CMZ01 Kr: 30° 



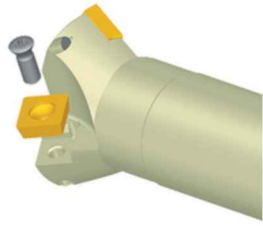


Weldon shank

Article	*	Stock	Dimensions [mm]				Teeth	kg	Inserts
			ØD	ød	L ₁	L			
CMZ01-025-XP25-SP12-02		●	25	25	40	120	2	0.6	 SPMT1204
CMZ01-032-XP32-SP12-03		●	32	32	40	180	3	1	
CMZ01-012-XP20-SP12-01		●	12	20	40	100	1	0.2	

● Ex stock ○ On demand

* With internal cooling

Spare parts

Insert		SPMT1204	
ØD		12-32	
	Screw (insert)	I43M5×11 (6.7Nm)	
	Wrench (insert)	WT20IS	

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12 04	12.7	12.7	4.76	5.5

Milling inserts

SP** milling insert		HC ¹ (CVD)						HC ¹ (PVD)						HT	HC ²	HW								
	P	●	●	●	●	●	●	●	●	●	●	●	●	●	●									
	M	●	●	●	●	●	●	●	●	●	●	●	●	●	●									
	K					●	●	●								●								
	N							●							●	●								
	S		●	●				●	●	●	●	●	●											
	H																							
	ISO	r	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201
	SPMT120408-HT-1	0.8											○											
	SPMT120408	0.8	○	●	○		●	○										○						

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

System code > B26

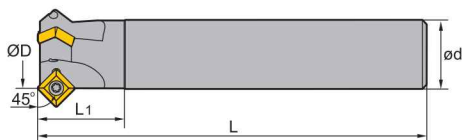
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Chamfer milling

CMA01 Kr: 45° 



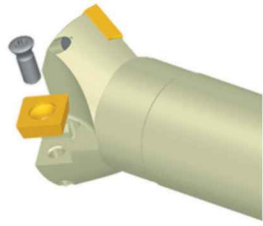


Straight shank

Article	*	Stock	Dimensions [mm]				Teeth	kg	Inserts
			ØD	ød	L ₁	L			
CMA01-012-G20-SP12-01		●	12	20	40	100	1	0.2	 SPMT1204
CMA01-025-G25-SP12-02		●	25	25	40	120	2	0.8	
CMA01-032-G32-SP12-03		●	32	32	40	180	3	1.1	

● Ex stock ○ On demand

* With internal cooling

Spare parts

Insert		SPMT1204	
ØD		12-32	
	Screw (insert)	I43M5×11 (6.7Nm)	
	Wrench (insert)	WT20IS	

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12 04	12.7	12.7	4.76	5.5

Milling inserts

SP** milling insert		HC ¹ (CVD)							HC ¹ (PVD)					HT	HC ²	HW									
	P	●	●	●	●	●	●	●	●	●	●	●	●	●	●										
	M	●	●	●	●	●	●	●	●	●	●	●	●	●	●										
	K								●							●									
	N								●						●	●									
	S		●	●					●	●	●	●	●												
	H																								
	ISO	r	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151		YNG151C	YD101	YD201
	SPMT120408-HT-1	0.8											○												
	SPMT120408	0.8	○	●	○		●	○										○							

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

System code > B26

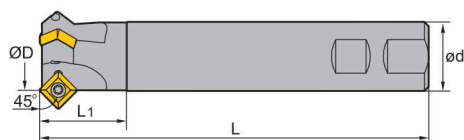
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Cutting data > B230

Chamfer milling

CMA01 Kr: 45° 



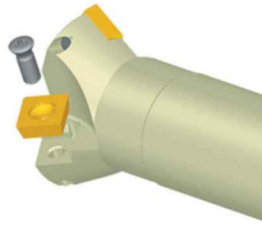


Weldon shank

Article	*	Stock	Dimensions [mm]				Teeth	kg	Inserts
			ØD	ød	L ₁	L			
CMA01-012-XP20-SP12-01		●	12	20	40	100	1	0.2	 SPMT1204
CMA01-025-XP25-SP12-02		●	25	25	40	120	2	0.6	
CMA01-032-XP32-SP12-03		●	32	32	40	100	3	1	

● Ex stock ○ On demand

* With internal cooling

Spare parts

Insert		SPMT1204	
ØD		12-32	
	Screw (insert)	M3M5x11 (6.7Nm)	
	Wrench (insert)	WT20IS	

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SPMT	L	I.C	S	d
12 04	12.7	12.7	4.76	5.5

Milling inserts

SP** milling insert		HC ¹ (CVD)						HC ¹ (PVD)						HT	HC ²	HW									
	P	●	●	●	●	●	●	●	●	●	●	●	●	●	●										
	M	●	●	●	●	●	●	●	●	●	●	●	●	●	●										
	K					●	●	●								●									
	N							●								●									
	S		●	●				●	●	●	●	●	●												
	H																								
	ISO	r	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151		YNG151C	YD101	YD201
	SPMT120408-HT-1	0.8											○												
	SPMT120408	0.8	○	●	○		●	○										○							

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

System code > B26

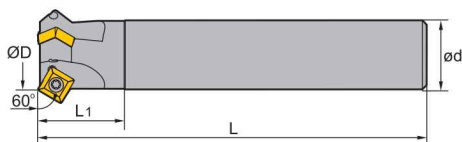
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Chamfer milling

CMD01 Kr: 60° 



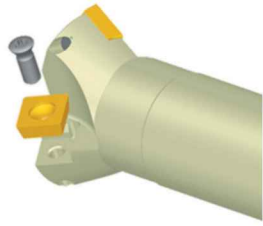


Straight shank

Article	*	Stock	Dimensions [mm]				Teeth	kg	Inserts
			ØD	ød	L ₁	L			
CMD01-012-G20-SP12-01		●	12	20	40	100	1	0.2	 SPMT1204
CMD01-025-G25-SP12-02		●	25	25	40	120	2	0.8	
CMD01-036-G32-SP12-03		●	36	32	40	180	3	1	

● Ex stock ○ On demand

* With internal cooling

Spare parts

Insert		SPMT1204	
ØD		12-36	
	Screw (insert)	I43M5×11 (6.7Nm)	
	Wrench (insert)	WT20IS	

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SPMT	L	I.C	S	d
12 04	12.7	12.7	4.76	5.5

Milling inserts

SP** milling insert		HC ¹ (CVD)						HC ¹ (PVD)						HT	HC ²	HW										
	P	●	●	●	●	●	●	●	●	●	●	●	●	●												
	M	●	●	●	●	●	●	●	●	●	●	●	●	●												
	K					●	●	●					●			●										
	N							●								●	●									
	S		●	●				●	●	●	●	●	●													
	H																									
	ISO	r	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151		YNG151C	YD101	YD201	
	SPMT120408-HT-1	0.8											○													
	SPMT120408	0.8	○	●	○		●	○										○								

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

System code > B26

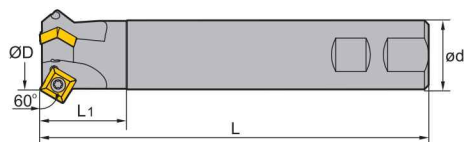
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Cutting data > B230

Chamfer milling

CMD01 Kr: 60° 



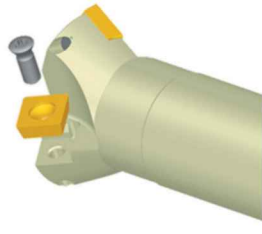


Weldon shank

Article	*	Stock	Dimensions [mm]				Teeth	kg	Inserts
			ØD	ød	L ₁	L			
CMD01-012-XP20-SP12-01		●	12	20	40	100	1	0.2	 SPMT1204
CMD01-025-XP25-SP12-02		●	25	25	40	120	2	0.6	
CMD01-036-XP32-SP12-03		●	36	32	40	180	3	1	

● Ex stock ○ On demand

* With internal cooling

Spare parts

Insert		SPMT1204	
ØD		12-36	
	Screw (insert)	M3M5x11 (6.7Nm)	
	Wrench (insert)	WT20IS	

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SPMT	L	I.C	S	d
12 04	12.7	12.7	4.76	5.5

Milling inserts

SP** milling insert		HC ¹ (CVD)						HC ¹ (PVD)						HT	HC ²	HW									
	P	●	●	●	●	●	●	●	●	●	●	●	●	●											
	M	●	●	●	●	●	●	●	●	●	●	●	●	●											
	K					●	●	●	●	●	●	●	●	●		●									
	N							●								●	●								
	S		●	●				●	●	●	●	●	●	●											
	H																								
	ISO	r	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151		YNG151C	YD101	YD201
	SPMT120408-HT-1	0.8											○												
	SPMT120408	0.8	○	●	○		●	○										○							

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

System code > B26

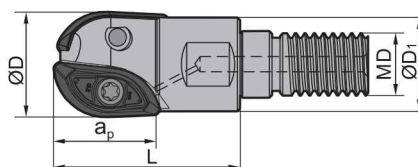
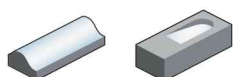
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Profile milling

QCH - XPHT



Article	* Stock	Dimensions [mm]					Teeth	kg	Inserts
		ØD	ØD ₁	a _p	L	MD			
QCH-16-XPHT16-M10	●	16	17	16	28	10	2	0.036	XPHT16
QCH-20-XPHT20-M12	○	20	19	20	30	12	2	0.051	XPHT20
QCH-25-XPHT25-M12	●	25	24	25	35	12	2	0.071	XPHT25
QCH-30-XPHT30-M16	●	30	29	30	45	16	2	0.14	XPHT30
QCH-32-XPHT32-M16	●	32	30	32	45	16	2	0.162	XPHT32

● Ex stock ○ On demand

* With internal cooling

Spare parts

	Insert	XPHT16	XPHT20	XPHT25	XPHT30	XPHT32	
	ØD	16	20	25	30	32	
	Screw (insert)	I60M2.5×6.5 (1.0 Nm)		I60M4×10 (3.4 Nm)	I60M5×13.2 (6.7 Nm)	I60M5×13.2 (6.7 Nm)	
	Screw (insert)		I60M3.5×8TT (2.7 Nm)				
	Wrench (insert)		WT10IP				
	Wrench (insert)				WT20IT	WT20IT	
	Wrench (insert)	WT07P					
	Wrench (insert)			WT15S			

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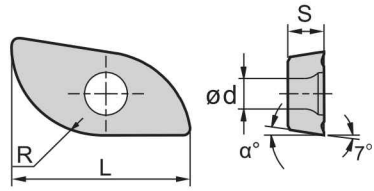
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XPHT	L	S	d
16	16	3.18	3.1
20	20	3.97	4
25	25	4.76	4.7
30	30	6.35	5.8
32	32	6.35	5.8

- Ideal machining conditions
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- Unfavourable machining conditions

Milling inserts



XP** milling insert			HC ¹ (CVD)						HC ¹ (PVD)						HT	HC ²	HW				
ISO	R	α	P	M	K	N	S	H	P	M	K	N	S	H							
			YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151
			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●				
	XPHT16R0803-GM	8	9												●						
	XPHT20R10T3-GM	10	9												●						
	XPHT25R1204-GM	12.5	9												●						
	XPHT30R1506-GM	15	11												●						
XPHT32R1606-GM	16	9												●							

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

System code > B26

Grade selection > B24

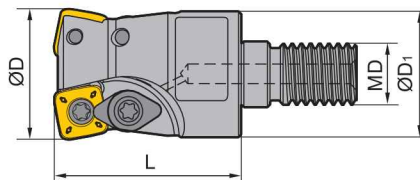
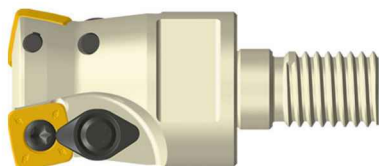
Technical info > B527

Cutting data > B230



High-feed mills

QCH - SDMT Kr: 15°



Article	*	Stock	Dimensions [mm]				Teeth	kg	Inserts
			ØD	ØD ₁	L	MD			
QCH-20-SDMT06-M10-03		●	20	19	30	10	3	0.058	SDMT06T2
QCH-25-SDMT06-M12-04		●	25	24	35	12	4	0.097	
QCH-32-SDMT06-M16-05		○	32	30	45	16	5	0.183	
QCH-25-SDMT09-M12-02		○	25	24	35	12	2	0.088	SDMT09T3
QCH-30-SDMT09-M16-03		●	30	29	45	16	3	0.176	
QCH-35-SDMT09-M16-03		○	35	30	45	16	3	0.216	
QCH-32-SDMT12-M16-02		●	32	30	45	16	2	0.175	SDMT1204
QCH-35-SDMT12-M16-02		○	35	30	45	16	2	0.2	
QCH-40-SDMT12-M16-03		○	40	30	45	16	3	0.3	

● Ex stock ○ On demand

*With internal cooling

Spare parts				
	Insert	SDMT06T2	SDMT09T3	SDMT1204
	ØD	20-35	25-35	32-40
	Clamp		WD-204	WD-204
	Screw (clamp)			I60M4x8.4 (3.4 Nm)
	Screw (clamp)		I60M3.5x08TT (2.7 Nm)	
	Screw (insert)	I60M2.2x5.5 (0.8 Nm)	I60M4x8.4 (3.4 Nm)	I60M4x8.4 (3.4 Nm)
	Wrench (clamp)		WT10IP	WT15IP
	Wrench (insert)	WT07IP	WT15IP	WT15IP



A

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Drilling

D

Technical Information

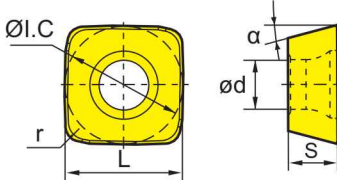



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-  Ideal machining conditions
-  Normal machining conditions
-  Unfavourable machining conditions

SDMT	L	I.C	S	d
06 T2	6.35	6.35	2.58	5.5
09 T3	9.525	9.525	3.97	4
12 04	12.7	12.7	4.76	4.4

Milling inserts

SD** milling insert		HC ¹ (CVD)						HC ¹ (PVD)						HT	HC ²	HW									
		P																							
		M																							
		K																							
		N																							
		S																							
		H																							
ISO		r	α	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201
	SDMT06T208-DM	0.8	15																						
	SDMT09T312-DM	1.2	15	●				●					○	○					●						
	SDMT120412-DM	1.2	15	●				●		●				○	○										
	SDMT09T312-NM						●								○	●				●					
	SDMT120412-NM						●								○	●		●		●					
	SDMT06T208-PM	0.8	15	●			●									○	●			○					
	SDMT09T312-PM	1.2	15				●						○			●									
	SDMT120412-PM	1.2	15				●						○			●									

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

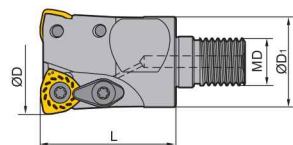
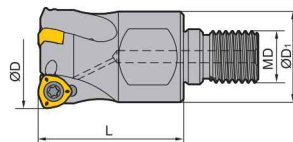
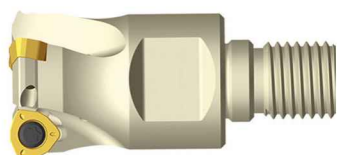
System code > B26

Grade selection > B24

Technical info > B527

Cutting data > B230

High-feed mills



Article	*	Stock	Dimensions [mm]				Teeth	kg	Inserts
			ØD	ØD ₁	L	MD			
QCH-20-WPGT05-M10-02		○	20	18	30	10	2	0.056	WPGT0503
QCH-25-WPGT06-M12-02		○	25	21	35	12	2	0.097	
QCH-32-WPGT06-M16-03		●	32	29	43	16	3	0.185	
QCH-35-WPGT06-M16-03		●	35	30	45	16	3	0.201	WPGT0604
QCH-42-WPGT06-M16-04		○	42	29	43	16	4		
QCH-35-WPGT08-M16-02		●	35	30	45	16	2	0.196	WPGT0806

● Ex stock ○ On demand

* With internal cooling

Variable lead angle (lead angle ist hier dependent on size of inserts)
lead angle: WPGT05: 16°; WPGT06: 22°; WPGT08: 11°; WPGT09: 21°

Spare parts					
	Insert	WPGT0503	WPGT0604	WPGT0806	
	ØD	20	25-42	35	
	Clamp			WD-208	
	Screw (clamp)			I60M5×13 (6.7 Nm)	
	Screw (insert)		I60M4×8.4 (3.4 Nm)	I60M5×13 (6.7 Nm)	
	Screw (insert)	I60M3.5×08TT (2.7 Nm)			
	Wrench (clamp)			WT20IT	
	Wrench (insert)			WT20IT	
	Wrench (insert)	WT10P	WT15P		

System code > B26

Grade selection > B24

Technical info > B527

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WPGT	I.C	S	d
05 03	7.94	3.5	4
06 04	9.525	4.2	4.4
08 06	12.85	6.35	5.5

- Ideal machining conditions
- Normal machining conditions
- Unfavourable machining conditions

Milling inserts

WP** positive insert		HC ¹ (CVD)								HC ¹ (PVD)					HT	HC ²	HW							
	P	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●								
	M	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●								
	K									●							●							
	N									●							●							
	S			●	●					●	●	●	●	●	●									
	H																							
ISO		r	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201
	WPGT050315ZSR-PM	1.5													●									
	WPGT060415ZSR-PM	1.5	●												●	●		●						
	WPGT080615ZSR-PM	1.5	●												●	●		●						
	WPGT050315ZSR	1.5	●				●						●											
	WPGT060415ZSR	1.5	●				●						●		●									
	WPGT080615ZSR	1.5	●				●						●		●									

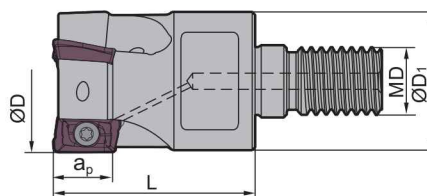
● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide



QCH series

QCH - APKT Kr: 90°



Article	*	Stock	Dimensions [mm]					Teeth	kg	Inserts
			ØD	ØD ₁	a _p	L	MD			
QCH-16-APKT11-M8-02		●	16	12.5	10.5	25	8	2	0.028	APKT11T3
QCH-20-APKT11-M10-03		●	20	18	10.5	30	10	3	0.059	
QCH-25-APKT11-M12-04		●	25	21	10.5	35	12	4	0.104	
QCH-32-APKT11-M16-05		●	32	29	10.5	43	16	5		
QCH-40-APKT11-M16-06		●	40	29	10.5	43	16	6		
QCH-25-APKT16-M12-02		○	25	21	10.5	38	12	2	0.09	
QCH-32-APKT16-M16-03		●	32	29	10.5	46	16	3		
QCH-40-APKT16-M16-04		○	40	29	10.5	46	16	4		

● Ex stock ○ On demand

* With internal cooling

Spare parts			
	Insert	APKT11T3	APKT1604
	ØD	16-40	25-40
	Screw (insert)		I60M4x8,4 (3.4Nm)
	Screw (insert)	I60M2.5x6.5T (1.0Nm)	
	Wrench (insert)	WT08IP	WT15IP



System code > B26

Grade selection > B24

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Turning

Milling inserts

- Ideal machining conditions
- ⊗ Normal machining conditions
- ⊗ Unfavourable machining conditions

APKT	L	S	d
11 T3	12.24	3.6	2.8
16 04	17.877	5.76	4.4

AP** milling insert				HC ¹ (CVD)						HC ¹ (PVD)					HT	HC ²	HW								
				P	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗							
				M	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗						
				K																					
				N																					
				S																					
				H																					
ISO	r	I.W	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201	
	APKT11T304-ALH	0.4	6.5								●													●	●
	APKT11T308-ALH	0.8	6.5								●													●	●
	APKT160408-ALH	0.8	9.33								●													●	●
	APKT11T304-APF	0.4	6.5														●								
	APKT11T308-APF	0.8	6.5														○	●	○						
	APKT160408-APF	0.8	9.33														○	●	○	○					
	APKT11T304-APM	0.4	6.5				●		●								●								
	APKT11T308-APM	0.8	6.5				●		●								○	●	○						
	APKT11T312-APM	1.2	6.5				●		●									●							
	APKT11T316-APM	1.6	6.5				●		●									●							
	APKT11T320-APM	2	6.5				●		●									●							
	APKT160408-APM	0.8	9.33				●		●	●							○	●	○						
	APKT160416-APM	1.6	9.33				●		●									●							
	APKT160420-APM	2	9.33				●		●									●							
	APKT160424-APM	2.4	9.33				●		●									●							
APKT160430-APM	3	9.33				●		●									●								
	APKT11T304-LH	0.4	6.5																					○	○
	APKT11T308-LH	0.8	6.5																					○	●
	APKT160408-LH	0.8	9.33																					○	○
	APKT11T308-NM																●		●						
	APKT11T312-NM																●		●						
	APKT11T304-PF	0.4	6.5		○			○				○	○					○							
	APKT11T308-PF	0.8	6.5										○												
	APKT11T316-PF	1.6	6.5										○												
	APKT160408-PF	0.8	9.33		○			○					○						○						
	APKT160430-PF	3	9.33		○																				
	APKT11T304-PM	0.4	6.5		○	○	○		○	○		○	○					○							
	APKT11T308-PM	0.8	6.5		○	○		○	○	●	○	○	○				○	○							
	APKT11T312-PM	1.2	6.5						○			○	○					○							
	APKT11T316-PM	1.6	6.5						○			○	○					○							
	APKT160408-PM	0.8	9.33		○	○	○	●		●	○	○	○				○	●							
	APKT160416-PM	1.6	9.33		○								○												

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

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System code > B26

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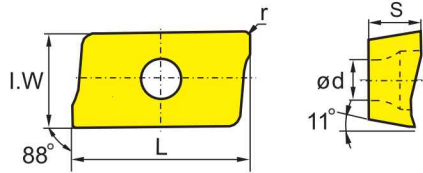
Technical info > B527



Cutting data > B230

-  Ideal machining conditions
-  Normal machining conditions
-  Unfavourable machining conditions

APKT	L	S	d
11 T3	12.24	3.6	2.8
16 04	17.877	5.76	4.4

Milling inserts



AP** milling insert			HC ¹ (CVD)						HC ¹ (PVD)					HT	HC ²	HW												
			P	M	K	N	S	H																				
ISO			r	I.W	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201		
	APKT11T304-PR	0.4	6.5																									
	APKT11T316-PR	1.6	6.5						○												○							
	APKT11T3XR										●										●							

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

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System code > B26

Grade selection > B24

Technical info > B527

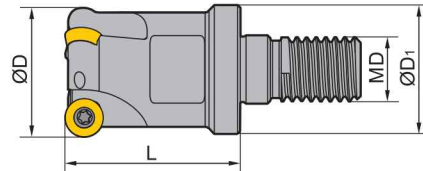
Cutting data > B230



Indexable milling QCH series

QCH series

QCH - RD



Article	*	Stock	Dimensions [mm]				Teeth	kg	Inserts
			ØD	ØD ₁	L	MD			
QCH-16-RD07-M8-02		●	16	15	25	8	2	0.027	
QCH-20-RD07-M10-03		○	20	18	30	10	3	0.058	RDKW0702
QCH-25-RD07-M12-03		○	25	21	35	12	3	0.093	
QCH-20-RD10-M10-02		○	20	19	30	10	2	0.054	
QCH-25-RD10-M12-02		○	25	24	35	12	2	0.097	RDKW10T3
QCH-32-RD10-M16-03		○	32	30	45	16	3	0.183	
QCH-32-RD16-M16-02		○	32	30	45	16	2	0.156	RDKW1605

● Ex stock ○ On demand

* With internal cooling

Spare parts		RDKW0702	RDKW10T3	RDKW1605	
Insert	ØD	16-25	20-32	32	
Screw (insert)		I60M2.5×5.0 (1.0 Nm)	I60M4×8 (3.4 Nm)	I60M5×13 (6.7 Nm)	
Wrench (insert)		WT08IP	WT15IP		
Wrench (insert)				WT20IT	

System code > B26

Grade selection > B24

Technical info > B527

Cutting data > B230

- Ideal machining conditions
- ⊗ Normal machining conditions
- ⊗ Unfavourable machining conditions

RDKT
10 T3

Milling inserts

RD** milling insert		HC ¹ (CVD)						HC ¹ (PVD)					HT	HC ²	HW								
	P	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗									
	M	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗									
	K							⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗								
	N							⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗								
	S							⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗								
	H																						
ISO		YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201
	RDKT10T3MO-MM																	○					

● Ex stock ○ On demand

HC¹ Coated carbide
HT Uncoated cermet
HC² Coated cermet
HW Uncoated carbide

A
Turning

B
Milling

- Ideal machining conditions
- ⊗ Normal machining conditions
- ⊗ Unfavourable machining conditions

RDKW	I.C	S	d
07 02	7	2.38	2.7
10 T3	10	3.97	4.4
16 05	16	5.56	5.5

Milling inserts

RD** milling insert		HC ¹ (CVD)						HC ¹ (PVD)					HT	HC ²	HW								
	P	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗									
	M	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗									
	K							⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗								
	N							⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗								
	S							⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗								
	H																						
ISO		YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201
	RDKW10T3MO	●	○							●	○						○						
	RDKW1605MO											○	○				○						
	RDKW0702MO-1						●					○			●								
	RDKW0702MO-2									●													

● Ex stock ○ On demand

HC¹ Coated carbide
HT Uncoated cermet
HC² Coated cermet
HW Uncoated carbide

C
Drilling

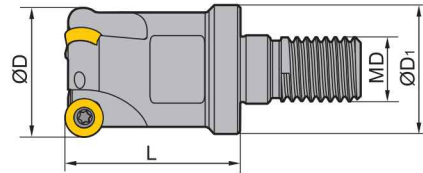
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QCH series

QCH - RD



Article	*	Stock	Dimensions [mm]				Teeth	kg	Inserts
			ØD	ØD ₁	L	MD			
QCH-15-RDKW0702-M8-02		●	15	12.5	23	8	2	RDKW0702	
QCH-15-RDKW0702-M8-03		●	15	12.5	23	8	3		
QCH-20-RDKW0702-M10-04		●	20	18	30	10	4		
QCH-25-RDKW0702-M12-05		●	25	21	35	12	5	RDKW1003	
QCH-20-RDKW1003-M10-02		●	20	18	30	10	2		
QCH-25-RDKW1003-M12-02		●	25	21	35	12	2		
QCH-25-RDKW1003-M12-03		●	25	21	35	12	3	RDKW1003	
QCH-30-RDKW1003-M16-04		●	30	29	43	16	4		
QCH-35-RDKW1003-M16-04		●	35	29	43	16	4		
QCH-42-RDKW1003-M16-05		●	42	29	43	16	5	RDKW12T3	
QCH-24-RDKW12T3-M12-02		●	24	21	35	12	2		
QCH-35-RDKW12T3-M16-03		●	35	29	43	16	3		
QCH-42-RDKW12T3-M16-04		●	42	29	43	16	4	RDKW1604	
QCH-32-RDKW1604-M16-02		●	32	29	43	16	2		

● Ex stock ○ On demand

* With internal cooling

Spare parts					
	Insert	RDKW0702	RDKW1003	RDKW12T3	RDKW1604
	ØD	15-25	20-42	24-42	32
	Clamp				WX16N
	Screw (clamp)				I60M4.5×10 (5.0 Nm)
	Screw (clamp)			LOM3.5×7.1	
	Screw (insert)	I60M2.5×5.0 (1.0 Nm)	I60M3.5×7.7 (2.7 Nm)	I60M3.5×7.7 (2.7 Nm)	I60M4.5×10 (5.0 Nm)
	Wrench (insert)	WT07P	WT15P	WT15P	
	Wrench (insert)				WT20T

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Cutting data > B230

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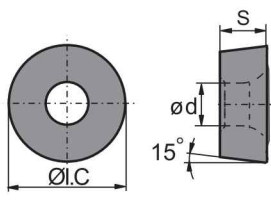

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RDKW	I.C	S	d
07 02	7	2.38	2.7
10 03	10	3.18	3.9
12 T3	12	3.97	3.9
16 04	16	4.76	5.2

-  Ideal machining conditions
-  Normal machining conditions
-  Unfavourable machining conditions

Milling inserts

RD** milling insert		HC ¹ (CVD)						HC ¹ (PVD)					HT	HC ²	HW									
		P	M	K	N	S	H	P	M	K	N	S	H											
ISO		YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201	
	RDKW0702MO-1						●					○			●									
	RDKW0702MO-2									●														
	RDKW1003MO-1				○	●						○			●	●								
	RDKW1003MO-2									●														
	RDKW1003MO-3			●											●									
	RDKW12T3MO-1				○	●						○			●	●								
	RDKW12T3MO-2									●					○									
	RDKW12T3MO-3			●											●									
	RDKW1604MO-1						●					○			●	●	●							
	RDKW1604MO-2										○													
	RDKW1604MO-3		○		●				●		○				●		●							

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

System code > B26

Grade selection > B24

Technical info > B527

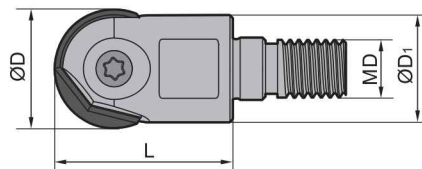
Cutting data > B230



Indexable milling QCH series

QCH series

QCH - ZOHX



Article	*	Stock	Dimensions [mm]				kg	Inserts
			ØD	ØD ₁	L	MD		
QCH-16-ZOHX16-M8	●	●	16	15	28	8	0.029	ZOHX16
QCH-20-ZOHX20-M10	●	●	20	19	30	10	0.048	ZOHX20
QCH-25-ZOHX25-M12	●	●	25	24	35	12	0.087	ZOHX25
QCH-30-ZOHX30-M16	●	●	30	29	45	16	0.17	ZOHX30
QCH-32-ZOHX32-M16	●	●	32	30	45	16	0.18	ZOHX32

● Ex stock ○ On demand

* With internal cooling

Spare parts		ZOHX16	ZOHX20	ZOHX25	ZOHX30	ZOHX32	
Insert	ØD	16	20	25	30	32	
Screw (insert)		I70M5×12TT (6.7 Nm)	I70M5×16TT (6.7 Nm)	I70M6×20TT (9.1 Nm)	I70M8×25TT (16.2 Nm)	I70M8×25TT (16.2 Nm)	
Wrench (insert)		WT20IP	WT20IP	WT20IP			
Wrench (insert)					WT30IT	WT30IT	




System code > B26

Grade selection > B24



Technical info > B527

Cutting data > B230

ZOXX	I.C	S	d
16	16	4	5
20	20	5	5
25	25	6	6
30	30	7	8
32	32	7	8

-  Ideal machining conditions
-  Normal machining conditions
-  Unfavourable machining conditions

Milling inserts

ZO** milling insert		HC ¹ (CVD)						HC ¹ (PVD)					HT	HC ²	HW									
ISO		R	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201
	ZOHX1604-GF	8	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●			
	ZOHX2005-GF	10																						
	ZOHX2506-GF	12.5																						
	ZOHX3007-GF	15																						
	ZOHX3207-GF	16																						
	ZOHX1604-GM	8																						
	ZOHX2005-GM	10																						
	ZOHX2506-GM	12.5																						
	ZOHX3007-GM	15																						
	ZOHX3207-GM	16																						

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

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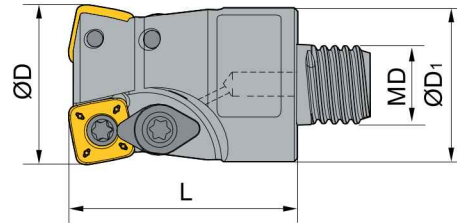
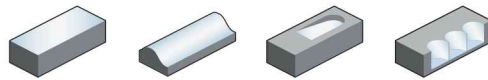
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Indexable milling QCH series

QCH series

QCH-SDMT-Q



Article	*	Stock	Dimensions [mm]				Teeth	kg	Inserts
			ØD	ØD ₁	L	MD			
QCH-25-SDMT09-Q14-02	*	○	25	24	35	14	2	0.088	SDMT09T3
QCH-35-SDMT09-Q18-03	*	○	35	30	45	18	3	0.216	

● Ex stock ○ On demand

* With internal cooling

Spare parts		
	Insert	SDMT09T3
	ØD	25-35
	Clamp	WD-204
	Screw (clamp)	I60M4x8.4 (3.4 Nm)
	Screw (insert)	I60M3.5x08TT (2.7 Nm)
	Wrench (insert)	WT10IP

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Grade selection > B24

Technical info > B527

Cutting data > B230

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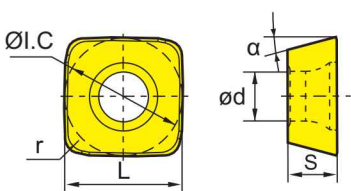



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-  Ideal machining conditions
-  Normal machining conditions
-  Unfavourable machining conditions

SDMT	L	I.C	S	d
09 T3	9,525	9,525	3,97	4

Milling inserts

SD** milling insert			HC ¹ (CVD)						HC ¹ (PVD)					HT	HC ²	HW											
			P	M	K	N	S	H																			
	ISO		r	α	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201	
	SDMT09T312-DM		1.2	15	●					●	○				○	○					●						
	SDMT09T312-NM							●								○	●					●					
	SDMT09T312-PM		1.2	15				●			○				○		●										

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

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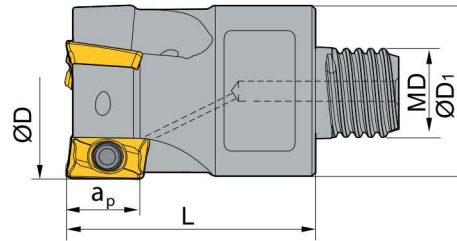
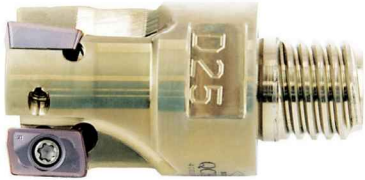
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Indexable milling QCH series

QCH series

QCH-APKT-Q Kr: 90°





Article	*	Stock	Dimensions [mm]					Teeth	kg	Inserts
			ØD	ØD ₁	a _p	L	MD			
QCH-16-APKT11-Q10-02	*	●	16	15.2	10.5	28	10	2	0.028	 APKT11T3
QCH-20-APKT11-Q12-02	*	○	20	19	10.5	30	12	2	0.059	
QCH-25-APKT11-Q14-03	*	●	25	24	10.5	35	14	3	0.104	

● Ex stock ○ On demand

* With internal cooling

Spare parts

	Insert	APKT11T3
	ØD	16-25
	Screw (insert)	I60M2.5x5.5 (1.0Nm)
	Wrench (insert)	WT07IP

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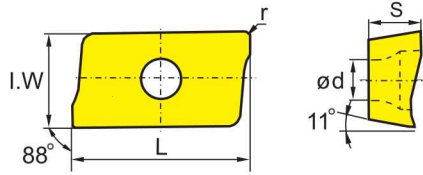
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APKT	L	S	d
11 T3	12.24	3.6	2.8

Milling inserts



APKT** milling insert			HC ¹ (CVD)						HC ¹ (PVD)					HT	HC ²	HW								
ISO	r	I.W	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201
	0.4	6.5																						
APKT11T304-ALH	0.8	6.5																						
	0.4	6.5																						
APKT11T308-APF	0.8	6.5																						
	0.4	6.5																						
APKT11T308-APM	0.8	6.5																						
APKT11T312-APM	1.2	6.5																						
APKT11T316-APM	1.6	6.5																						
APKT11T320-APM	2	6.5																						
	0.4	6.5																						
APKT11T308-LH	0.8	6.5																						
APKT11T312-NM																								
	0.4	6.5																						
APKT11T308-PF	0.8	6.5																						
APKT11T316-PF	1.6	6.5																						
	0.4	6.5																						
APKT11T308-PM	0.8	6.5																						
APKT11T312-PM	1.2	6.5																						
APKT11T316-PM	1.6	6.5																						
	0.4	6.5																						
APKT11T316-PR	1.6	6.5																						
APKT11T3XR																								

● Ex stock ○ On demand

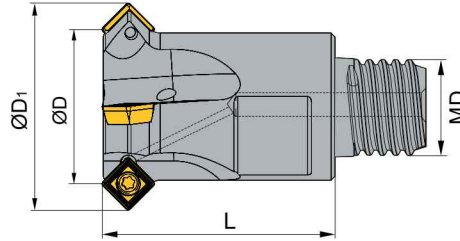
HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide



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QCH series

QCH-SPGT-Q



Article	*	Stock	Dimensions [mm]				Teeth	kg	Inserts
			ØD	ØD ₁	L	MD			
QCH-16-SPGT05-Q10-45-03	*	○	16	22.6	25	10	3	0.032	SPGT0502
QCH-20-SPGT05-Q12-45-04	*	○	20	26.6	30	12	4	0.644	

- Ex stock ○ On demand
- * With internal cooling




Spare parts		
	Insert	SPGT0502
	ØD	16-20
	Screw (insert)	I60M2x4.3 (0.5 Nm)
	Wrench (insert)	WT06IP

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Grade selection > B24




Technical info > B527

Cutting data > B230

-  Ideal machining conditions
-  Normal machining conditions
-  Unfavourable machining conditions

SPGT
05 02

Milling inserts

SP** drilling insert		HC ¹ (CVD)						HC ¹ (PVD)					HT	HC ²	HW									
ISO		YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201	
	P																							
	M																							
	K																							
	N																							
	S																							
	H																							
	SPGT050204-EM																							
	SPGT050204-PM																							

● Ex stock ○ On demand

HC¹ Coated carbide
HT Uncoated cermet
HC² Coated cermet
HW Uncoated carbide

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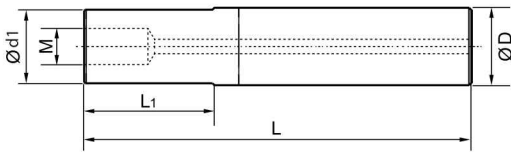
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Cutting data > B230



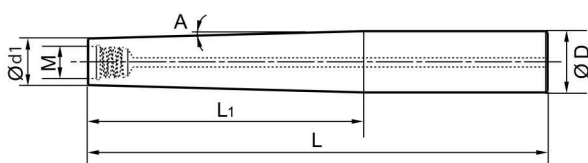
Indexable heads shanks

Solid carbide shank, stepped, Q thread




Article	Dimensions [mm]				Thread (M)	Stock
	D	d1	L	L1		
G12-QCH-Q08-80C	12	11,5	80	30	Q8	●
G12-QCH-Q08-100C	12	11,5	100	50	Q8	●
G12-QCH-Q08-120C	12	11,5	120	70	Q8	●
G16-QCH-Q10-90C	16	15,2	90	40	Q10	●
G16-QCH-Q10-120C	16	15,2	120	70	Q10	●
G16-QCH-Q10-150C	16	15,2	150	100	Q10	●
G20-QCH-Q12-100C	20	19	100	40	Q12	●
G20-QCH-Q12-140C	20	19	140	80	Q12	●
G20-QCH-Q12-180C	20	19	180	120	Q12	●
G25-QCH-Q14-120C	25	24	120	50	Q14	●
G25-QCH-Q14-170C	25	24	170	100	Q14	●
G25-QCH-Q14-220C	25	24	220	150	Q14	●
G32-QCH-Q18-140C	32	30	140	70	Q18	●
G32-QCH-Q18-200C	32	30	200	130	Q18	●
G32-QCH-Q18-260C	32	30	260	190	Q18	●
G32-QCH-Q18-320C	32	30	320	250	Q18	●

Solid carbide shank, tapered, Q thread



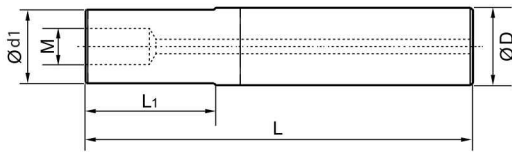
Article	Dimensions [mm]				Thread (M)	Angle (A)	Stock
	D	d1	L	L1			
G16-QCH-Q08-140C-ZJ90	16	11,5	140	90	Q8	1,0	●
G20-QCH-Q10-200C-ZJ140	20	15,2	200	140	Q8	0,8	●
G25-QCH-Q12-250C-ZJ180	25	19	250	180	Q8	0,8	●
G32-QCH-Q14-270C-ZJ200	32	30	270	200	Q10	0,8	●

Spare parts

	Thread	Q8 / Q10	Q12 / Q14	Q18
	Wrench	QCH-10×13	QCH-16×20	QCH-26

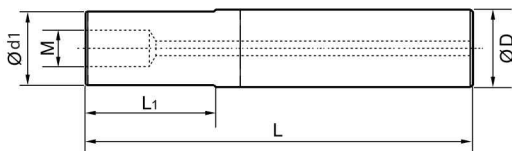
Indexable heads shanks

Steel shank, stepped, Q thread



Article	Dimensions [mm]				Thread (M)	Stock
	D	d1	L	L1		
G12-QCH-Q08-65S	12	11,5	65	19	Q08	●
G16-QCH-Q10-100S	16	15,2	100	42	Q10	●
G20-QCH-Q12-110S	20	19	110	54	Q12	●

Solid carbide shank, stepped, metric thread



Article	Dimensions [mm]				Thread (M)	Stock
	D	d1	L	L1		
G16-QCH-M8-90C-125	16	12,5	90	35	M8	○
G16-QCH-M8-110C-125	16	12,5	110	55	M8	○
G16-QCH-M8-130C-125	16	12,5	130	75	M8	○
G16-QCH-M8-90C	16	15	90	35	M8	○
G16-QCH-M8-110C	16	15	110	55	M8	○
G16-QCH-M8-130C	16	15	130	75	M8	○
G16-QCH-M8-170C	16	15	170	115	M8	○
G16-QCH-M8-200C	16	15	200	145	M8	○
G20-QCH-M10-87C	20	18,5	87	30	M10	○
G20-QCH-M10-107C	20	18,5	107	50	M10	○
G20-QCH-M10-127C	20	18,5	127	70	M10	○
G20-QCH-M10-167C	20	18,5	167	110	M10	○
G20-QCH-M10-197C	20	18,5	197	140	M10	○
G25-QCH-M12-128C	25	23	128	65	M12	○
G25-QCH-M12-148C	25	23	148	85	M12	○
G25-QCH-M12-168C	25	23	168	105	M12	○
G25-QCH-M12-198C	25	23	198	135	M12	○
G25-QCH-M12-228C	25	23	228	165	M12	○
G32-QCH-M16-161C	32	29	161	95	M16	○
G32-QCH-M16-211C	32	29	211	145	M16	○
G32-QCH-M16-281C	32	29	281	215	M16	○
G32-QCH-M16-311C	32	29	311	245	M16	○
G32-QCH-M16-361C	32	29	361	295	M16	○

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- Ideal machining conditions
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- Unfavourable machining conditions

HNGX	L	I.C	S
09 05	9.16	15.875	5.56

Milling inserts

HN** milling insert			HC ¹ (CVD)						HC ¹ (PVD)						HT	HC ²	HW							
	P		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●							
	M		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●							
	K								●								●							
	N								●							●	●							
	S			●	●				●	●	●	●	●	●										
	H																							
ISO		r	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201
	HNGX090530-HDR	3							○	○														
	HNGX090516-MR	1.6							●															
	HNGX090520-MR	2							●															

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide



- Ideal machining conditions
- ⊗ Normal machining conditions
- ⊗ Unfavourable machining conditions

LNE3	L	I.W	S
2.53	15.875	4.76	9.525

Milling inserts

LN** milling insert		HC ¹ (CVD)						HC ¹ (PVD)						HT	HC ²	HW								
	P	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	●	●	●								
	M	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	●	●	●								
	K							⊗								⊗								
	N							⊗							⊗	⊗								
	S		⊗		⊗			⊗	⊗	⊗	⊗	⊗	⊗											
	H																							
	ISO	r	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201
	LNE32.534	1.6					○	○	○															

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

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- ⊗ Normal machining conditions
- ⊗ Unfavourable machining conditions

LNCX	L	I.W	S
18 06	24	10	6.4

Milling inserts

LN** milling insert		HC ¹ (CVD)						HC ¹ (PVD)						HT	HC ²	HW								
	P	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	●	●	●								
	M	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	●	●	●								
	K							⊗								⊗								
	N							⊗							⊗	⊗								
	S		⊗	⊗				⊗	⊗	⊗	⊗	⊗	⊗											
	H																							
ISO	bs	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201	
	LNCX1806AZT11L	2.0						○																
	LNCX1806AZT11R	2.0						○																

● Ex stock ○ On demand

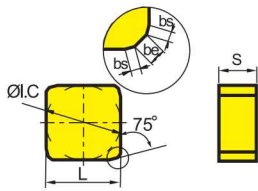
HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide



- Ideal machining conditions
- ⊗ Normal machining conditions
- ⊗ Unfavourable machining conditions

SNKN	L	I.C	S
12 04	12.7	12.7	4.76
15 04	15.875	15.875	4.76

Milling inserts



SN** milling insert			HC ¹ (CVD)							HC ¹ (PVD)							HT	HC ²	HW								
			P	M	K	N	S	H	P	M	K	N	S	H	●	●	●										
ISO			bs	be	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201	
	SNKN1204ENN		1.5	0.9	●				●	●																	
	SNKN1504ENN		1.5	0.9	○																						

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

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- Ideal machining conditions
- ⊗ Normal machining conditions
- ⊗ Unfavourable machining conditions

SPCN	L	I.C	S
12 03	12.7	12.7	1.4
15 04	15.875	15.875	1.4

Milling inserts

SP** milling insert		HC ¹ (CVD)							HC ¹ (PVD)							HT	HC ²	HW						
	P	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	●	●	●					
	M	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	●	●	●					
	K								⊗	⊗							●			⊗				
	N								⊗											⊗	⊗			
	S			⊗	⊗				⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗						⊗		
	H																							
ISO	bs	be	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201
	SPCN1203EDSKR	3.2	1.0	●																				
	SPCN1504EDSKR	4.8	1.0	●																				

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide



- Ideal machining conditions
- ⊗ Normal machining conditions
- ⊗ Unfavourable machining conditions

SPMR	L	I.C	S
09 03	9.525	9.525	3.18
12 03	12.7	12.7	3.18

Milling inserts

SP** milling insert		HC ¹ (CVD)							HC ¹ (PVD)					HT	HC ²	HW								
	P	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	●	●	●								
	M	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	●	●	●								
	K							⊗								⊗								
	N							⊗								⊗								
	S		⊗	⊗				⊗	⊗	⊗	⊗	⊗	⊗											
	H																							
	ISO	r	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201
	SPMR090304	0.4				○																		
	SPMR090308	0.8				○																		
	SPMR120304	0.4				●																		
	SPMR120308	0.8				●	○																	
	SPMR120312	1.2					○																	

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

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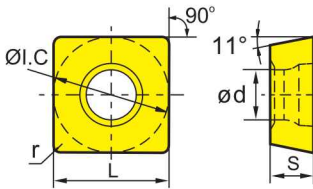
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- Ideal machining conditions
- Normal machining conditions
- Unfavourable machining conditions

SPMT	L	I.C	S	d
06 03	6.35	6.35	3.18	2.8
09 T3	9.525	9.525	3.97	4.4
12 04	12.7	12.7	4.76	5.5

Milling inserts

SP** milling insert			HC ¹ (CVD)						HC ¹ (PVD)						HT	HC ²	HW							
	P		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●							
	M		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●							
	K								●									●						
	N								●								●	●						
	S			●	●				●	●	●	●	●	●				●						
	H																							
	ISO	r	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201
HT-1	SPMT120408-HT-1	0.8												○										
HT	SPMT09T308-HT	0.8				●		●					○											
KT	SPMT060304-KT	0.4		○																				

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

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Grade selection > B24

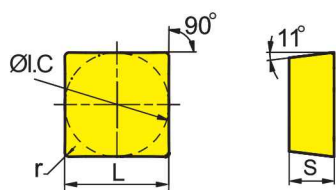
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Cutting data > B230

- Ideal machining conditions
- Normal machining conditions
- Unfavourable machining conditions

SP**	L	I.C	S
12 03	12.7	12.7	3.18
15 04	15.875	15.875	4.76

Milling inserts



SP** milling insert			HC ¹ (CVD)						HC ¹ (PVD)						HT	HC ²	HW								
		P	●	●	●	●	●	●	●	●	●	●	●	●	●										
		M	●	●	●	●	●	●	●	●	●	●	●	●	●										
		K							●																
		N							●																
		S		●		●			●	●	●	●	●	●											
		H																							
	ISO	r	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201	
	SPGN120304	0.4											○												
	SPGN120308	0.8											○												
	SPUN120308	0.8					●	○																	○
	SPUN120312	1.2					●																		
	SPUN150408	0.8																							○
	SPUN150412	1.2																							○

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

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- ⊗ Unfavourable machining conditions

TPKN	L	I.C	S
16 03	16.5	9.525	3.18

Milling inserts

TP** milling insert				HC ¹ (CVD)						HC ¹ (PVD)						HT	HC ²	HW							
	P	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	●	●	●						
	M	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	●	●	●						
	K									⊗	⊗	⊗	⊗	⊗	⊗	⊗	●	●	●						
	N									⊗	⊗	⊗	⊗	⊗	⊗	⊗	●	●	●						
	S									⊗	⊗	⊗	⊗	⊗	⊗	⊗	●	●	●						
	H									⊗	⊗	⊗	⊗	⊗	⊗	⊗	●	●	●						
ISO	bs	be	an	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151	YNG151C	YD101	YD201
	TPKN1603PDTKR	1.0	1.2	11																					
	TPKN1603PPER	1.0	1.2	11	●																				○
	TPKN1603PPFR	1.0	1.2	11																					○

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide




System code > B26

Grade selection > B24

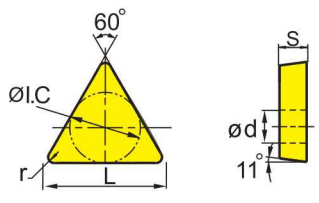


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TP**	L	I.C	S
11 03	11	6.35	3.18
16 03	16.5	9.525	3.18
22 04	22	12.7	4.76

-  Ideal machining conditions
-  Normal machining conditions
-  Unfavourable machining conditions

Milling inserts

TP** milling insert			HC ¹ (CVD)						HC ¹ (PVD)						HT	HC ²	HW									
	P																									
	M																									
	K																									
	N																									
	S																									
	H																									
	ISO	r	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG202	YBG212	YBS203	YBG205	YB9320	YBG302	YBS303	YBG252	YNG151		YNG151C	YD101	YD201	
	TPMR110304	0.4					●																			
	TPMR110308	0.8					●																			
	TPMR160304	0.4					●																			
	TPMR160308	0.8					●	●	○																	
	TPMR160312	1.2						○																		
	TPMR220412	1.2						●																		
	TPUN110304	0.4					●																			
	TPUN110308	0.8					●																			
	TPUN160304	0.4					●																			○
	TPUN160308	0.8					●	○								○										○
	TPUN160312	1.2					●																			
	TPUN220408	0.8					●																			
TPUN220412	1.2							○																		

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
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 HW Uncoated carbide

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