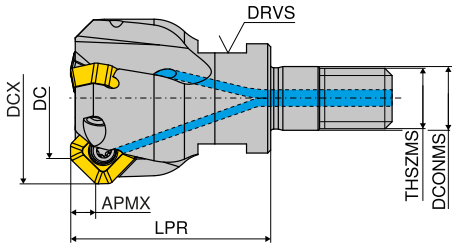
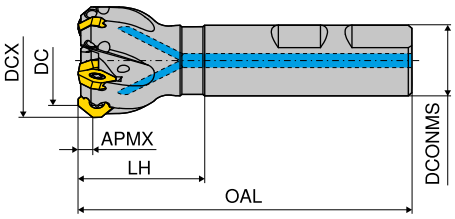
MaxiMill – Screw in cutter 45° G 270-09



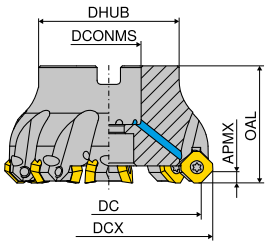
Designation	DC mm	DCX mm	ZNF	APMX mm	LPR mm	THSZMS	DCONMS mm	DRVS mm	torque moment Nm	Insert	2B Article no. 55 202 ... EUR	
G270.ESF.16.R.02-09	16	24,4	2	4	27	M8	8,5	10	1,8	SD.. 0903..	157,30	016
G270.ESF.20.R.03-09	20	28,4	3	4	33	M10	10,5	15	1,8	SD.. 0903..	184,50	020
G270.ESF.25.R.04-09	25	33,4	4	4	35	M12	12,5	17	1,8	SD.. 0903..	207,70	025
G270.ESF.32.R.05-09	32	40,4	5	4	35	M16	17,0	17	1,8	SD.. 0903..	228,50	032

MaxiMill – End milling cutter 45° C 270-09



Designation	DC mm	DCX mm	ZNF	APMX mm	OAL mm	LH mm	DCONMS mm	torque moment Nm	Insert	2B/40 Article no. 50 666 ... EUR	
C270.06.R.01-09	6	14,4	1	4	80	32	16	1,2	SD.. 0903..	135,80	006
C270.12.R.01-09	12	20,4	1	4	80	32	16	1,2	SD.. 0903..	150,00	012
C270.16.R.02-09	16	24,4	2	4	90	40	20	1,8	SD.. 0903..	170,80	016
C270.20.R.03-09	20	28,4	3	4	90	40	20	1,8	SD.. 0903..	217,30	020
C270.25.R.04-09	25	33,4	4	4	100	44	25	1,8	SD.. 0903..	307,90	025
C270.32.R.05-09	32	40,4	5	4	95	36	25	1,8	SD.. 0903..	362,20	032

MaxiMill – Shell mill 45° A 270-09





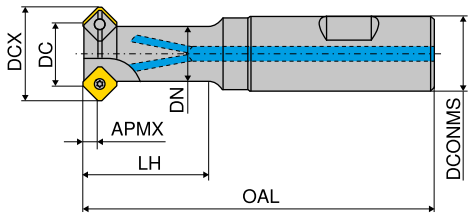

Designation	DC	DCX	ZNF	APMX	OAL	DHUB	DCONMS $_{H6}$	torque moment	right 2B/40 Article no. 50 704 ...		right 2B/40 Article no. 50 705 ...		right 2B/40 Article no. 50 706 ...		left 2B Article no. 50 707 ...	
	mm	mm		mm	mm	mm	mm	Nm	EUR		EUR		EUR		EUR	
A270.32.R.05-09	32	40,4	5	4	40	34	16	1,8					346,60	**532**		
A270.40.R.04-09	40	48,4	4	4	40	38	16	1,8			355,70	**540**				
A270.40.R.06-09	40	48,4	6	4	40	38	16	1,8					401,10	**540**		
A270.42.R.06-09	42	50,4	6	4	40	38	16	1,8					415,20	**542**		
A270.50.R.06-09	50	58,4	6	4	40	43	22	1,8			412,70	**550**				
A270.50.R.08-09	50	58,4	8	4	40	43	22	1,8					494,20	**550**		
A270.50.L.08-09	50	58,4	8	4	40	43	22	1,8							511,70	**550**
A270.52.R.08-09	52	60,4	8	4	40	43	22	1,8					511,70	**552**		
A270.63.R.05-09	63	71,4	5	4	40	48	22	1,8	401,10	**563**						
A270.63.R.08-09	63	71,4	8	4	40	48	22	1,8			500,60	**563**				
A270.63.R.10-09	63	71,4	10	4	40	48	22	1,8					623,50	**563**		
A270.63.L.10-09	63	71,4	10	4	40	48	22	1,8							644,90	**563**
A270.66.R.10-09	66	74,4	10	4	40	48	22	1,8					644,90	**566**		
A270.80.R.06-09	80	88,4	6	4	50	58	27	1,8	454,00	**580**						
A270.80.R.10-09	80	88,4	10	4	50	58	27	1,8			632,50	**580**				
A270.80.R.12-09	80	88,4	12	4	50	58	27	1,8					750,10	**580**		
A270.80.L.12-09	80	88,4	12	4	50	58	27	1,8							776,00	**580**
A270.100.R.07-09	100	108,4	7	4	50	78	32	1,8	586,10	**600**						
A270.100.R.12-09	100	108,4	12	4	50	78	32	1,8			763,20	**600**				
A270.100.R.14-09	100	108,4	14	4	50	78	32	1,8					886,20	**600**		
A270.125.R.12-09	125	133,4	12	4	63	88	40	1,8			892,60	**625**				
A270.160.R.12-09	160	168,4	12	4	63	93	40	1,8	1.148,00	**660** [1)]						

1) With threaded holes M12 on the front face, pitch circle diameter = 66.7 mm

- 50 704 ... Open pitch for use on aluminum alloys, non-ferrous metals and plastics
- 50 705 ... Normal pitch for a broad spectrum of use on aluminum alloys, non-ferrous metals, and soft steel materials
- 50 706 ... Fine pitch for highest feed rates, predominantly used on steel and cast materials
- 50 707 ... As 50 706 ..., but **left hand** version

MaxiMill – Chamfer milling cutter C 272-09

▲ Usable on front and rear cutting edges



B

Designation	DC	DCX	ZNF	APMX	DN	OAL	LH	DCONMS	torque moment	Insert	2B Article no. 50 669 ...	
	mm	mm		mm	mm	mm	mm	mm	Nm		EUR	
C272.06.R.01-09	6	14,4	1	4	10	91	24,0	16	1,2	SD.. 0903..	161,50	**006**
C272.08.R.01-09	8	16,4	1	4	10	91	25,5	16	1,2	SD.. 0903..	180,00	**008**
C272.12.R.01-09	12	20,4	1	4	12	91	26,0	16	1,2	SD.. 0903..	185,00	**012**
C272.16.R.02-09	16	24,4	2	4	15	97	30,0	20	1,8	SD.. 0903..	227,70	**016**
C272.18.R.02-09	18	26,4	2	4	16	97	30,0	20	1,8	SD.. 0903..	227,70	**018**
C272.25.R.03-09	25	33,4	3	4	21	109	35,0	25	1,8	SD.. 0903..	266,40	**025**

Spare parts DC	Y7 TORX® blade Article no. 80 950 ... EUR		Y7 Key D Article no. 80 950 ... EUR		2A/28 Molykote Article no. 70 950 ... EUR		2A/28 Clamping screw Article no. 70 950 ... EUR		Y7 Torque screwdriver Article no. 80 950 ... EUR	
6 - 12	4,76	**033**	7,80	**110**	4,38	**303**	3,14	**365**	118,90	**191**
16 - 160	4,76	**033**	7,80	**110**	4,38	**303**	2,57	**115**	118,90	**191**

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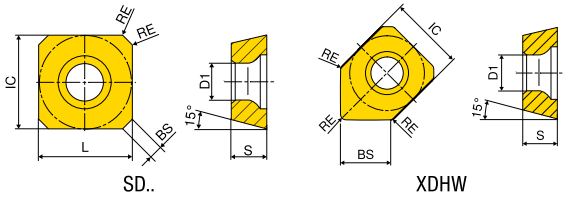
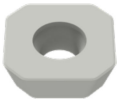
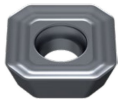
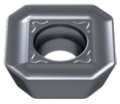
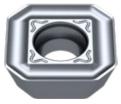
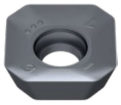
SDHW / SDNT / SDHT / XDHW

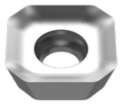
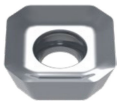
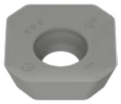
Designation	IC	D1	L	BS	S
	mm	mm	mm	mm	mm
XDHW 0903..	9,52	3,4	-	5,50	3,18
SD.. 0903..	9,52	3,4	9,52	1,68	3,18



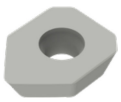
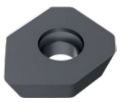
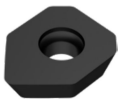
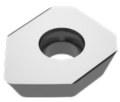
SDHW / SDNT / SDHT

	TCM10	-29 CTCP230	-29 CTPP235	-33 CTPM240	-33P CTPM240	-F50 CTPM245
	CWC10	-29 DCX1230	-29 DPX1235	-33 DPX2240	-33P DPX2240	-F50 DPX2245
		DRAGONSKIN	DRAGONSKIN	DRAGONSKIN	DRAGONSKIN	DRAGONSKIN
						
	CERMET					
	SDHW	SDNT	SDNT	SDHT	SDHT	SDHT
	1B/79	1B/61	1B/61	1B/61	1B/61	1H/17
ISO / RE mm	Article no. 50 428 ...	Article no. 51 011 ...	Article no. 51 011 ...	Article no. 51 028 ...	Article no. 51 086 ...	Article no. 51 109 ...
	EUR	EUR	EUR	EUR	EUR	EUR
0903AESN / 1,0	15,97 898	13,79 020	13,79 120	15,76 420	16,59 420	19,60 470
Steel	●	●	●	○	○	●
Stainless steel	●	○	○	●	●	●
Cast iron	○					
Non ferrous metals						
Heat resistant alloys						
hardened materials						

SDNT / SDHT

	-31 CTCK215	-27P H216T	-27P AMZ	-M31 CTC5240	-F50 CTCS245
	-31 DCX3215	-ALP CWK26	-ALP AMZ	-M31 HCF5240	
	DRAGONSKIN			DRAGONSKIN	DRAGONSKIN
					
	SDNT	SDHT	SDHT	SDHT	SDHT
	1B/61	1A/90	1A/90	1H/D4	NEW 1H/D4
ISO / RE mm	Article no. 51 029 ...	Article no. 50 426 ...	Article no. 50 426 ...	Article no. 50 421 ...	Article no. 51 109 ...
	EUR	EUR	EUR	EUR	EUR
0903AEFN / 1,0		15,76 548	18,90 848		
0903AESN / 1,0	13,20 520			19,60 509	19,60 57100
Steel	○				
Stainless steel					
Cast iron	●	○	○		
Non ferrous metals		●	●		
Heat resistant alloys				●	●
hardened materials					

XDHW

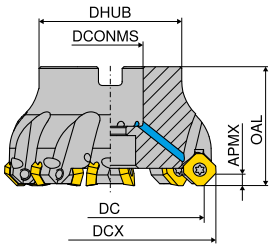
		TCM10	CTCP230	CTPP235	CTCK215	H216T
		CWC10	DCX1230	DPX1235	DCX3215	CWK26
			DRAGONSKIN	DRAGONSKIN	DRAGONSKIN	
						
		CERMET				
		XDHW	XDHW	XDHW	XDHW	XDHW
		1B/79	1B/61	1B/61	1B/18	1B/61
ISO	RE	Article no. 50 449 ...	Article no. 51 015 ...	Article no. 51 015 ...	Article no. 51 015 ...	Article no. 50 449 ...
	mm	EUR	EUR	EUR	EUR	EUR
0903AEEN	1				18,75 520	
0903AEFN	1					16,59 548
0903AESN	1	17,31 898	19,39 020	19,39 120		
Steel		●	●	●	○	
Stainless steel		●	○	○		
Cast iron		○			●	○
Non ferrous metals						●
Heat resistant alloys						
hardened materials						

Milling guide

Machining strategy	→ 146	ISO Designation System	→ 194+195
Grade description	→ 209+210	Cutting data appoximate values	→ 146

MaxiMill – Shell mill 45° A 270-12

- 50 705 ... Normal pitch for a broad spectrum of use on aluminum alloys, non-ferrous metals, up to soft steel materials
- 50 706 ... Predominantly fine pitch for highest feed rates, use on steel and cast materials



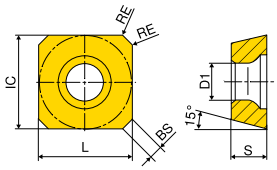
Designation	DC	DCX	ZNF	APMX	DCONMS $_{H6}$	OAL	DHUB	torque moment	Insert	2B/40 Article no. 50 705 ...		2B/40 Article no. 50 706 ...	
	mm	mm		mm	mm	mm	mm	Nm		EUR		EUR	
A270.32.R.03-12	32	46	3	6	16	40	32	5	SD../XD.. 1204..	397,10	**032**		
A270.40.R.03-12	40	54	3	6	16	40	38	5	SD../XD.. 1204..	406,20	**040**		
A270.40.R.04-12	40	54	4	6	16	40	38	5	SD../XD.. 1204..			406,20	**040**
A270.50.R.04-12	50	64	4	6	22	40	43	5	SD../XD.. 1204..	459,20	**050**		
A270.50.R.05-12	50	64	5	6	22	40	43	5	SD../XD.. 1204..			459,20	**050**
A270.63.R.04-12	63	77	4	6	22	40	48	5	SD../XD.. 1204..	525,20	**063**		
A270.63.R.06-12	63	77	6	6	22	40	48	5	SD../XD.. 1204..			601,50	**063**
A270.80.R.05-12	80	94	5	6	27	50	58	5	SD../XD.. 1204..	609,30	**080**		
A270.80.R.08-12	80	94	8	6	27	50	58	5	SD../XD.. 1204..			750,10	**080**
A270.100.R.06-12	100	114	6	6	32	50	78	5	SD../XD.. 1204..	717,80	**100**		
A270.100.R.10-12	100	114	10	6	32	50	78	5	SD../XD.. 1204..			878,30	**100**
A270.125.R.07-12	125	139	7	6	40	63	88	5	SD../XD.. 1204..	877,00	**125**		
A270.125.R.12-12	125	139	12	6	40	63	88	5	SD../XD.. 1204..			1.186,00	**125**
A270.160.R.08-12	160	174	8	6	40	63	94	5	SD../XD.. 1204..	1.120,00	**160** [1]		

1) With threaded holes M12 on the front face, pitch circle diameter = 66.7 mm

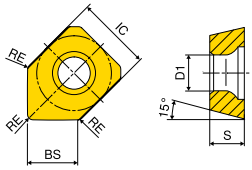
Spare parts DC	Y7 TORX® blade Article no. 80 950 ... EUR		Y7 Clamping key – T Article no. 80 397 ... EUR		Y7 Key D Article no. 80 950 ... EUR		2A/28 Power Screw Article no. 70 950 ... EUR		2A/28 Molykote Article no. 70 950 ... EUR		2A Clamping screw Article no. 70 950 ... EUR		Y7 Torque screwdriver Article no. 80 950 ... EUR	
32 - 40	4,76	**037**	3,91	**040**	9,95	**114**	12,48	**151**	4,38	**303**	2,52	**280**	131,90	**193**
50 - 160	4,76	**037**			9,95	**114**			4,38	**303**	2,52	**280**	131,90	**193**

SDHT / SDHW / SDMT / XDHW

Designation	IC	D1	L	BS	S
	mm	mm	mm	mm	mm
XDHW 1204..	12,7	5,5	-	7,50	4,76
SD.. 1204..	12,7	5,5	12,7	1,74	4,76



SD..

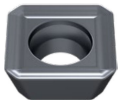
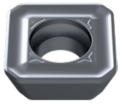


XDHW

SDHT / SDHW / SDMT

	TCM10	-R TCM10	-29R CTCP230	-R CTCP230	CTCP230
	CWC10	-R CWC10	-29R DCX1230	-R DCX1230	DCX1230
			DRAGONSKIN	DRAGONSKIN	DRAGONSKIN
					
	CERMET	CERMET			
	SDHT	SDHW	SDMT	SDHT	SDHW
	1B/79	1B/79	1B/61	1B/61	1B/61
ISO	Article no. 50 426 ...	Article no. 50 428 ...	Article no. 51 010 ...	Article no. 51 006 ...	Article no. 51 008 ...
RE mm	EUR	EUR	EUR	EUR	EUR
1204AESN 0,2	17,19 900				
1204AESN 1,0		17,91 899	14,65 020	16,71 020	17,19 020
Steel	●	●	●	●	●
Stainless steel	●	●	○	○	○
Cast iron	○	○			
Non ferrous metals					
Heat resistant alloys					
hardened materials					

SDMT / SDHT / SDHW

	-29 CTPP235	-R CTPP235	-R CTPP235	-F50 CTPM245	-33 CTPM240
	-29 DPX1235	-R DPX1235	-R DPX1235	-F50 DPX2245	-33 DPX2240
	DRAGONSKIN	DRAGONSKIN	DRAGONSKIN	DRAGONSKIN	DRAGONSKIN
					
	SDMT	SDHT	SDHW	SDHT	SDHT
	1B/61	1B/61	1B/61	1H/17	1B/61
ISO	Article no. 51 010 ...	Article no. 51 006 ...	Article no. 51 008 ...	Article no. 51 109 ...	Article no. 51 028 ...
RE mm	EUR	EUR	EUR	EUR	EUR
1204AESN 1,0	14,65 120	16,71 120	17,19 120	22,57 475	17,19 425
Steel	●	●	●	●	○
Stainless steel	○	○	○	●	●
Cast iron					
Non ferrous metals					
Heat resistant alloys					
hardened materials					

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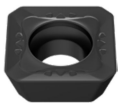
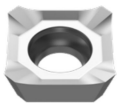
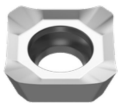
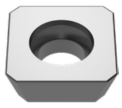
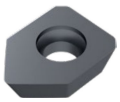
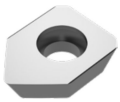
SDMT / SDHW / SDHT

		-31 CTCK215	-R CTCK215	-27 H216T	-27P H216T	H216T
		-31 DCX3215	-R DCX3215	-AL CWK26	-ALP CWK26	CWK26
		DRAGONSKIN	DRAGONSKIN			
						
		SDMT	SDHW	SDHT	SDHT	SDHW
		1B/61	1B/61	1A/90	1A/90	1B/61
ISO	RE	Article no. 51 059 ...	Article no. 51 008 ...	Article no. 50 426 ...	Article no. 50 426 ...	Article no. 50 428 ...
	mm	EUR	EUR	EUR	EUR	EUR
1204AEEN	1,0	14,28 520	17,19 520			
1204AEFN	0,2			17,19 504		
1204AEFN	1,0				17,19 554	
1204AESN	0,2					14,28 600
Steel		○	○			
Stainless steel						
Cast iron		●	●	○	○	○
Non ferrous metals				●	●	●
Heat resistant alloys						
hardened materials						

SDHT

		-M31 CTC5240	-F50 CTCS245
		-M31 HCF5240	
		DRAGONSKIN	DRAGONSKIN
			
		SDHT	SDHT
		1H/D4	NEW 1H/D4
ISO	RE	Article no. 50 421 ...	Article no. 51 109 ...
	mm	EUR	EUR
1204AESN	1,0	22,57 512	22,57 57600
Steel			
Stainless steel			
Cast iron			
Non ferrous metals			
Heat resistant alloys		●	●
hardened materials			

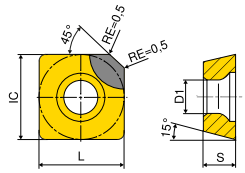
XDHW

		TCM10	CTCP230	CTPP235	CTCK215	H216T
		CWC10	DCX1230	DPX1235	DCX3215	CWK26
			DRAGONSKIN	DRAGONSKIN	DRAGONSKIN	
						
		CERMET				
		XDHW	XDHW	XDHW	XDHW	XDHW
		1B/79	1B/61	1B/61	1B/61	1B/61
ISO	RE	Article no. 50 449 ...	Article no. 51 015 ...	Article no. 51 015 ...	Article no. 51 015 ...	Article no. 50 449 ...
	mm	EUR	EUR	EUR	EUR	EUR
1204AEEN	1				22,64 525	
1204AEFN	1					21,42 600
1204AESN	1	22,64 900	23,74 025	23,74 125		
Steel		●	●	●	○	
Stainless steel		●	○	○		
Cast iron		○			●	○
Non ferrous metals						●
Heat resistant alloys						
hardened materials						

15

SDHW

Designation	IC	D1	L	S
	mm	mm	mm	mm
SDHW 1204..	12,7	5,5	12,7	4,76

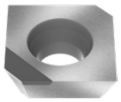


SDHW

SDHW

CTBS10U

PBC10



CBN
SDHW
V9

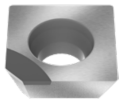
ISO	Article no. 51 900 ...	EUR	
1204AETN-2		54,15	300 [1]
Steel			
Stainless steel			
Cast iron			●
Non ferrous metals			
Heat resistant alloys			●
hardened materials			

1) $a_{p\,max.}$ = 2.0 mm

SDHW

CTDPS30

PDC



DIAMOND
SDHW
V9

ISO	Article no. 51 900 ...	EUR	
1204AEFN-2		59,03	100 [1]
1204AEFN-3		59,03	102 [2]
Steel			
Stainless steel			
Cast iron			
Non ferrous metals			●
Heat resistant alloys			
hardened materials			

1) $a_{p\,max.}$ = 2.0 mm
2) $a_{p\,max.}$ = 3,5 mm

Milling guide

Machining strategy	→ 147	ISO Designation System	→ 194+195
Grade description	→ 209+210	Cutting data appoximate values	→ 147

System MaxiMill 270-09

Cutting data recommendations/Technology data

for standard inserts

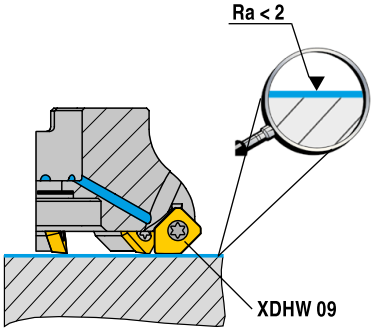
	F			M			R		
Material	v_c m/min	f_z mm	a_p mm	v_c m/min	f_z mm	a_p mm	v_c m/min	f_z mm	a_p mm
Steel	60–280	0,1–0,3	4	60–280	0,1–0,3	4	60–280	0,1–0,3	4
Stainless steel	60–270	0,1–0,25	4	60–270	0,1–0,25	4	60–270	0,1–0,25	4
Cast iron	110–130	0,05–0,4		130–360	0,1–0,35	4	130–360	0,1–0,35	4
Non-ferrous metals	160–1500	0,05–0,4	4	160–1500	0,05–0,4	4	160–1500	0,05–0,4	4
Heat resistant alloys	25–80	0,1–0,25	4	25–80	0,1–0,25	4	25–80	0,1–0,25	4
hardened materials									

for wiper inserts

	F			M			R		
Material	v_c m/min	f_z mm	a_p mm	v_c m/min	f_z mm	a_p mm	v_c m/min	f_z mm	a_p mm
Steel	150–350	0,05–0,25	0,10–2,0						
Stainless steel	110–200	0,05–0,25	0,10–2,0						
Cast iron	150–280	0,05–0,25	0,10–2,0						
Non-ferrous metals	< 2000	0,05–0,25	0,10–2,0						
Heat resistant alloys									
hardened materials									

Detailed information on cutting speed for each grade can be found on → page 138+139

Machining strategy

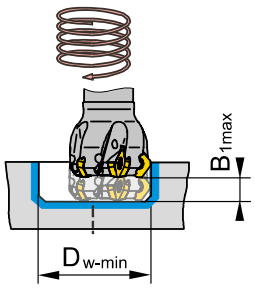


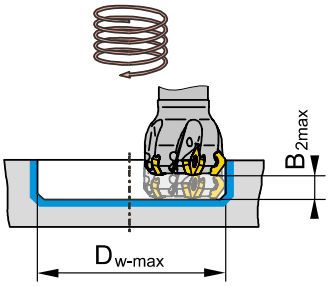
Finish milling with wiper inserts

Two wiper inserts are mounted in each 125mm head


Steel	SDNT	0903AESN-29	DPX 1235	+	XDHW	0903AESN	DPX 1235
	SDNT	0903AESN-29	DCX 1230	+	XDHW	0903AESN	DCX 1230
	SDHT	0903AESN-33	DCX 1230	+	XDHW	0903AESN	DCX 1230
	SDHW	0903AESN	CWC 10	+	XDHW	0903AESN	CWC 10
Cast iron	SDNT	0903AESN-31	DCX 3215	+	XDHW	0903AEEN	DCX 3215
Non-ferrous metals	SDHT	0903AEFN-ALP	CWK 26	+	XDHW	0903AEFN	CWK 26

Helical plunge milling (without start hole)





C 270-09

DC mm	$D_{w\text{-}min}$ mm	$B_{1\,max}$ mm	$D_{w\text{-}max}$ mm	$B_{2\,max}$ mm
6	14,4	1,5	19,0	1,5
12	28,5	1,5	31,0	1,5
16	36,5	1,5	39,0	1,5
20	44,5	1,5	47,0	1,5
25	54,5	1,5	57,0	1,5
32	68,5	1,5	71,0	1,5

A 270-09

DC mm	$D_{w\text{-}min}$ mm	$B_{1\,max}$ mm	$D_{w\text{-}max}$ mm	$B_{2\,max}$ mm
32	68,5	1,5	71,0	1,5
40	84,5	1,5	87,0	1,5
50	104,5	1,5	107,0	1,5
63	130,5	1,5	133,0	1,5
80	164,5	1,5	167,0	1,5
100	204,5	1,5	207,0	1,5
125	254,5	1,5	257,0	1,5
160	324,5	1,5	327,0	1,5

System MaxiMill 270-12

Cutting data recommendations/Technology data

for standard inserts

	F			M			R		
Material	v_c m/min	f_z mm	a_p mm	v_c m/min	f_z mm	a_p mm	v_c m/min	f_z mm	a_p mm
Steel	30–280	0,1–0,3	6	60–280	0,1–0,3	6	60–280	0,1–0,3	6
Stainless steel	60–270	0,1–0,25	6	60–270	0,1–0,25	6	60–270	0,1–0,25	6
Cast iron	150–200	0,05–0,4	6	130–360	0,1–0,35	6	130–360	0,1–0,3	6
Non-ferrous metals	160–3500	0,05–0,4	6	160–1500	0,05–0,4	6	160–1500	0,05–0,4	6
Heat resistant alloys	25–80	0,1–0,25	6	25–80	0,1–0,25	6	25–80	0,1–0,25	6
hardened materials									

for wiper inserts

	F			M			R		
Material	v_c m/min	f_z mm	a_p mm	v_c m/min	f_z mm	a_p mm	v_c m/min	f_z mm	a_p mm
Steel	20–350	0,10–0,25	0,10–4,00						
Stainless steel	40–120	0,10–0,25	0,10–4,00						
Cast iron	120–290	0,10– 0,25	0,10–4,00						
Non-ferrous metals	< 2000	0,10–0,25	0,10–4,00						
Heat resistant alloys									
hardened materials									

for CBN inserts

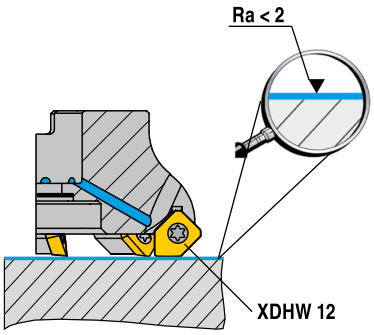
	F			M			R		
Material	v_c m/min	f_z mm	a_p mm	v_c m/min	f_z mm	a_p mm	v_c m/min	f_z mm	a_p mm
Steel									
Stainless steel									
Cast iron	600–1600	0,10–0,25	0,20–1,50						
Non-ferrous metals									
Heat resistant alloys	350–700	0,08–0,15	0,20–1,00						
hardened materials	350–600	0,08–0,12	0,20–0,40						

for PCD / MDC inserts

	F			M			R		
Material	v_c m/min	f_z mm	a_p mm	v_c m/min	f_z mm	a_p mm	v_c m/min	f_z mm	a_p mm
Steel									
Stainless steel									
Cast iron									
Non-ferrous metals	< 2000	0,05–0,25	0,10–2,00						
Heat resistant alloys									
hardened materials									

Detailed information on cutting speed for each grade can be found on → page 138+139

Machining strategy

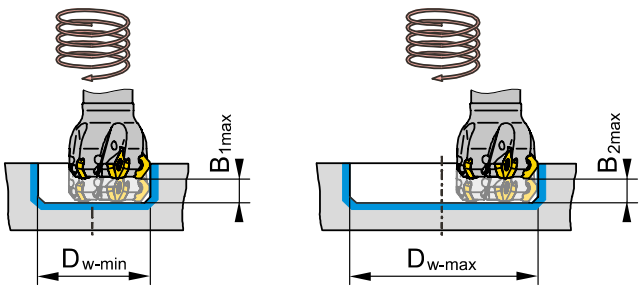


Finish milling with wiper inserts

Two wiper inserts are mounted in each 125mm head


Steel	SDMT	1204AESN-29R	DPX 1235	+	XDHW	1204AESN DPX 1235
	SDMT	1204AESN-29R	DCX 1230	+	XDHW	1204AESN DCX 1230
	SDHW	1204AESN-R	CWC 10	+	XDHW	1204AESN CWC 10
Cast iron	SDMT	1204AEEN-31	DCX 3215	+	XDHW	1204AEEN DCX 3215
	SDHW	1204AESN-R	DCX 3215	+	XDHW	1204AEEN DCX 3215
Non-ferrous metals	SDHT	1204AEFN-ALP	CWK 26	+	XDHW	1204AEFN CWK 26

Helical plunge milling (without start hole)



DC mm	$D_{w\text{-}min}$ mm	$B_{1\,max}$ mm	$D_{w\text{-}max}$ mm	$B_{2\,max}$ mm
32	74,5	1,5	78,0	1,5
40	90,5	1,5	94,0	1,5
50	110,5	1,5	114,0	1,5
63	136,5	1,5	140,0	1,5
80	170,5	1,5	174,0	1,5
100	210,5	1,5	214,0	1,5
125	260,5	1,5	264,0	1,5
160	330,5	1,5	334,0	1,5

From v_c > 400 m/min, the tool must be balanced!