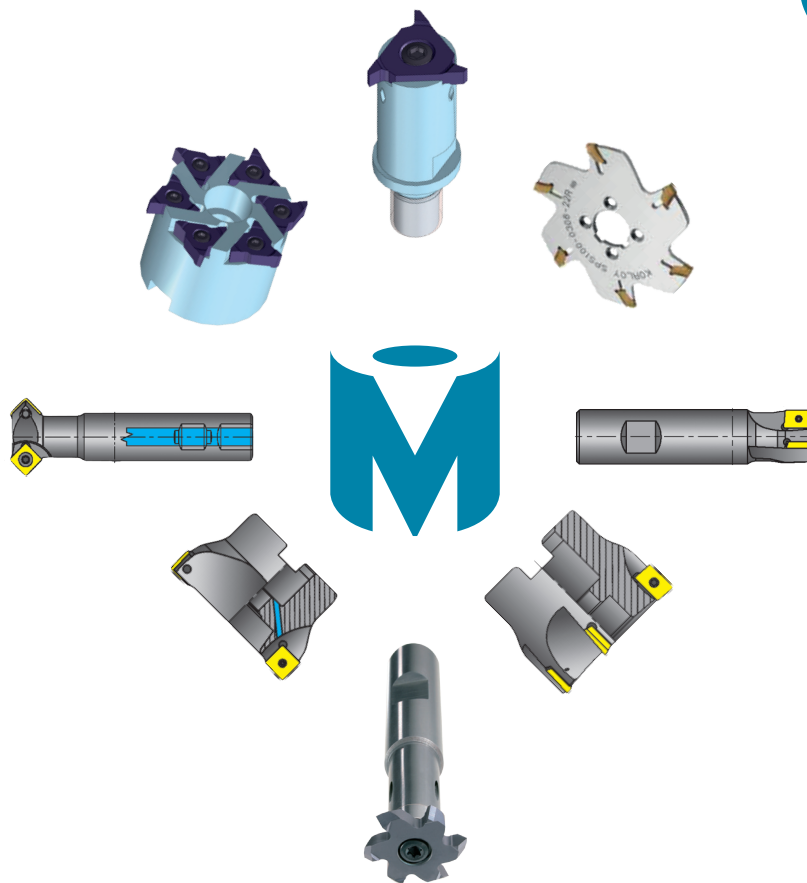


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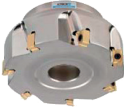
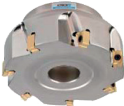
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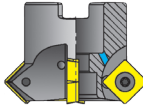


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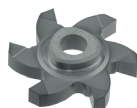
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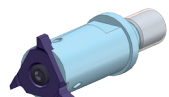
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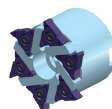
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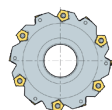
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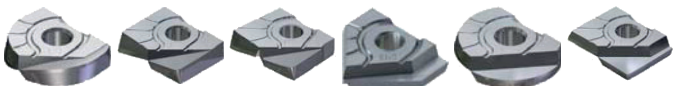
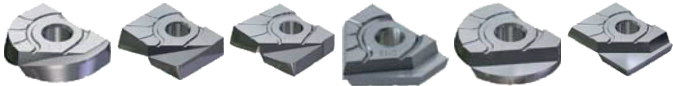
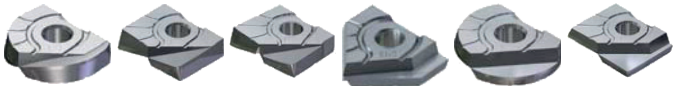
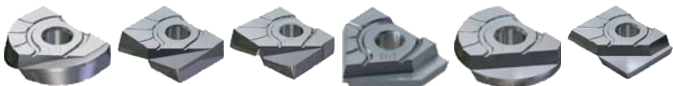
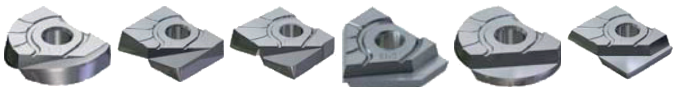
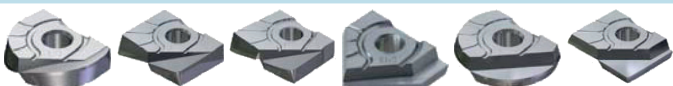
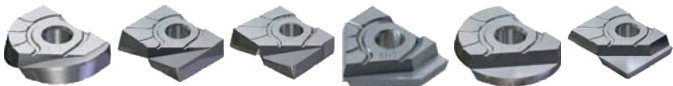
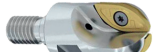


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RM3PS3000

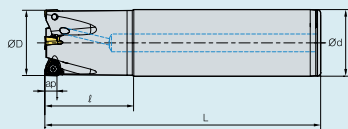


Fig. 1

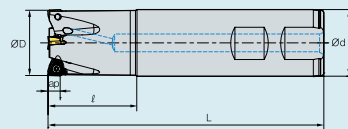


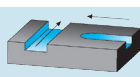
Fig. 2

Anwendbare WSP:

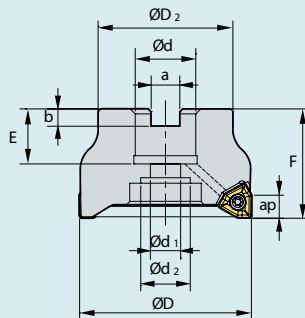
XNKT 060405



Art.-Nr.	Bezeichnung	ØD	Ød	l	L	ap	Z	Fig.	Preis	WSP		
40.651349	RM3PS3020HR-2S20	20	20	35	100	5.5	2	2		060405	FTNA 0306	TW09S
40.651351	RM3PS3021HR-2S20	21	20	35	100	5.5	2	1		"	"	"
40.651350	RM3PS3020HR-2L20	20	20	30	200	5.5	2	2		"	"	"
40.651352	RM3PS3021HR-2L20	21	20	30	200	5.5	2	1		"	"	"
40.651343	RM3PS3025HR-3S20	25	20	35	115	5.5	3	2		"	"	"
40.651355	RM3PS3025HR-3S25	25	25	35	115	5.5	3	1		"	"	"
40.651359	RM3PS3026HR-3S20	26	20	40	115	5.5	3	2		"	"	"
40.651363	RM3PS3026HR-3S25	26	25	40	115	5.5	3	1		"	"	"
40.651344	RM3PS3025HR-3L20	25	20	35	200	5.5	3	2		"	"	"
40.651356	RM3PS3025HR-3L25	25	25	35	200	5.5	3	1		"	"	"
40.651360	RM3PS3026HR-3L20	26	20	35	200	5.5	3	2		"	"	"
40.651364	RM3PS3026HR-3L25	26	25	35	200	5.5	3	1		"	"	"
40.651367	RM3PS3032HR-4S25	32	25	42	125	5.5	4	2		"	"	"
40.651369	RM3PS3032HR-4S32	32	32	42	125	5.5	4	1		"	"	"
40.651373	RM3PS3033HR-4S25	33	25	42	125	5.5	4	2		"	"	"
40.651375	RM3PS3033HR-4S32	33	32	42	125	5.5	4	1		"	"	"
40.651368	RM3PS3032HR-4L25	32	25	42	200	5.5	4	2		"	"	"
40.651370	RM3PS3032HR-4L32	32	32	42	200	5.5	4	1		"	"	"
40.651376	RM3PS3033HR-4L32	33	32	42	200	5.5	4	2		"	"	"
40.651379	RM3PS3040HR-5S32	40	32	42	130	5.5	4	1		"	"	"
40.651380	RM3PS3040HR-5L32	40	32	45	200	5.5	5	2		"	"	"



RM3PCM3000



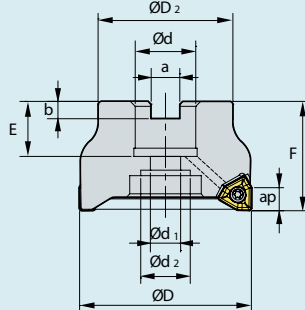
Anwendbare WSP:

XNKT 060405



Art.-Nr.	Bezeichnung	ØD	ØD ₂	Ød	F	ap	Z	Preis	WSP		
40.651395	RM3PCM3040HR	40	35	16	40	5.5	5		060405	FTNA 0306	TW09S
40.651396	RM3PCM3040HR-M	40	35	16	40	5.5	6		"	"	"
40.651397	RM3PCM3050HR	50	41	22	40	5.5	6		"	"	"
40.651398	RM3PCM3050HR-M	50	41	22	40	5.5	7		"	"	"
40.651399	RM3PCM3063HR	63	49	22	40	5.5	7		"	"	"
40.651400	RM3PCM3063HR-M	63	49	22	40	5.5	8		"	"	"
40.651401	RM3PCM3080HR	80	57	27	50	5.5	8		"	"	"
40.651402	RM3PCM3080HR-M	80	57	27	50	5.5	10		"	"	"

RM3PCM4000



Anwendbare WSP:

XNKT 080508



Art.-Nr.	Bezeichnung	ØD	ØD ₂	Ød	F	ap	Z	Preis	WSP		
40.651325	RM3PCM4040HR	40	35	16	40	8.0	3		080508	FTNA 0408	TW15S
40.651326	RM3PCM4040HR-M	40	35	16	40	8.0	4		"	"	"
40.651327	RM3PCM4050HR	50	42	22	40	8.0	4		"	"	"
40.651328	RM3PCM4050HR-M	50	42	22	40	8.0	5		"	"	"
40.651329	RM3PCM4063HR	63	49	22	40	8.0	5		"	"	"
40.651330	RM3PCM4063HR-M	63	49	22	40	8.0	6		"	"	"
40.651331	RM3PCM4080HR	80	57	27	50	8.0	5		"	"	"
40.651332	RM3PCM4080HR-M	80	57	27	50	8.0	7		"	"	"
40.651333	RM3PCM4100HR	100	67	32	50	8.0	6		"	"	"
40.651334	RM3PCM4100HR-M	100	67	32	50	8.0	8		"	"	"
40.651335	RM3PCM4125HR	125	90	40	63	8.0	8		"	"	"
40.651336	RM3PCM4125HR-M	125	90	40	63	8.0	10		"	"	"

RM3PS4000

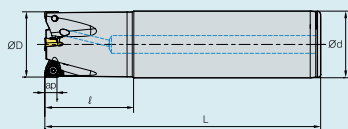


Fig. 1

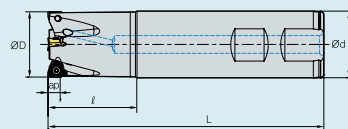


Fig. 2

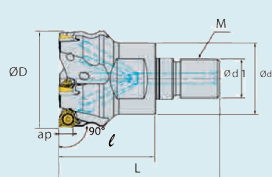
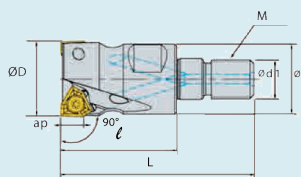
Anwendbare WSP:

XNKT 080508



Art.-Nr.	Bezeichnung	ØD	Ød	l	L	ap	Z	Fig.	Preis	WSP		
40.651403	RM3PS4032HR-3S32	32	32	42	125	8	3	2		080508	FTNA 0408	TW15S
40.651405	RM3PS4033HR-3S32	33	32	42	125	8	3	2		"	"	"
40.651406	RM3PS4040HR-3S32	40	32	42	130	8	3	2		"	"	"
40.651407	RM3PS4040HR-4S32	40	32	42	130	8	4	2		"	"	"
40.651408	RM3PS4050HR-4S32	50	32	42	135	8	4	2		"	"	"
40.651409	RM3PS4050HR-4S40	50	40	42	135	8	4	2		"	"	"
40.651410	RM3PS4050HR-5S32	50	32	42	135	8	5	2		"	"	"
40.651411	RM3PS4050HR-5S40	50	40	42	135	8	5	2		"	"	"
40.651412	RM3PS4063HR-5S32	63	32	42	135	8	5	2		"	"	"
40.651413	RM3PS4063HR-5S40	63	40	42	135	8	5	2		"	"	"
40.651414	RM3PS4063HR-6S32	63	32	42	135	8	6	2		"	"	"
40.651415	RM3PS4063HR-6S40	63	40	42	135	8	6	2		"	"	"

RM3PM



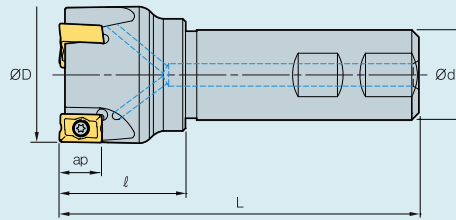
Anwendbare WSP:

XNKT 080508



Art.-Nr.	Bezeichnung	ØD	Ød	Ød1	l	L	ap	Z	Preis	WSP		
40.651382	RM3PM3020HR-2-M10	20	18	10.5	30	50	5.5	2		060405	FTNA 0306	TW09S
40.651383	RM3PM3025HR-3-M12	25	21	12.5	35	58	5.5	3		060405	FTNA 0306	TW09S
40.651384	RM3PM3032HR-4-M16	32	29	17	40	66	5.5	4		060405	FTNA 0306	TW09S
40.651385	RM3PM3040HR-5-M16	40	29	17	40	66	5.5	5		060405	FTNA 0306	TW09S
40.651386	RM3PM4032HR-3-M16	32	29	17	40	66	8.0	2		080508	FTNA 0408	TW15S
40.651387	RM3PM4040HR-4-M16	40	29	17	50	76	8.0	3		080508	FTNA 0408	TW15S
40.651388	RM3PM4050HR-5-M16	50	29	17	55	81	8.0	4		080508	FTNA 0408	TW15S

RM4PS-3000



Anwendbare WSP:

LNMX 1006

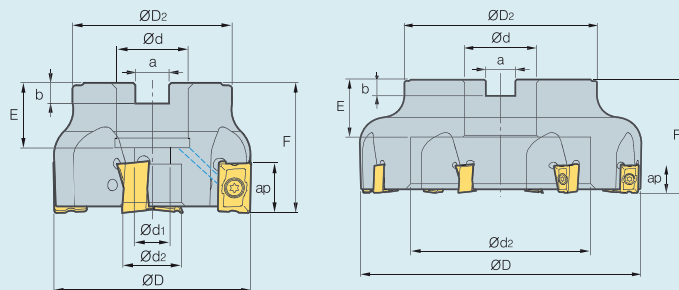


LNEX 1006



Art.-Nr.	Bezeichnung	ØD	Ød	l	L	ap	Z	Preis	WSP		
40.650519	RM4PS3018HR-S16	18	16	23	90	9.0	2		1006..	FTKA0307	TW09S
40.650520	RM4PS3020HR-S20	20	20	30	100	9.0	2		"	"	"
40.650521	RM4PS3020HR-S20M	20	20	30	100	9.0	3		"	"	"
40.650522	RM4PS3025HR-S25	25	25	35	115	9.0	2		"	"	"
40.650523	RM4PS3025HR-S25M	25	25	35	115	9.0	3		"	"	"
40.650524	RM4PS3032HR-S32	32	32	40	125	9.0	3		"	"	"
40.650525	RM4PS3032HR-S32M	32	32	40	125	9.0	4		"	"	"
40.650526	RM4PS3040HR-S32	40	32	42	130	9.0	4		"	"	"
40.650527	RM4PS3040HR-S32M	40	32	42	130	9.0	5		"	"	"

RM4PCM3000



Anwendbare WSP:

LNMX 1006

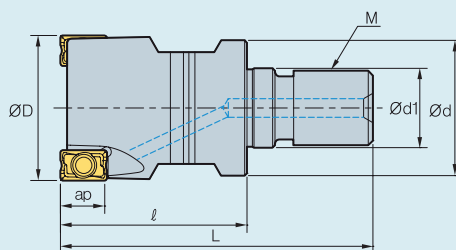


LNEX 1006



Art.-Nr.	Bezeichnung	ØD	ØD2	Ød	E	F	ap	Z	Preis	WSP		
40.650494	RM4PCM3040HR	40	35	16	19	40	9.0	4		1006..	FTKA0307	TW09S
40.650495	RM4PCM3040HR-M	40	35	16	19	40	9.0	5		"	"	"
40.650496	RM4PCM3050HR	50	42	22	20	40	9.0	5		"	"	"
40.650497	RM4PCM3050HR-M	50	42	22	20	40	9.0	7		"	"	"
40.650498	RM4PCM3063HR	63	49	22	20	40	9.0	7		"	"	"
40.650499	RM4PCM3063HR-M	63	49	22	20	40	9.0	9		"	"	"
40.650500	RM4PCM3080HR	80	57	27	23	50	9.0	8		"	"	"
40.650501	RM4PCM3080HR-M	80	57	27	23	50	9.0	10		"	"	"
40.650502	RM4PCM3100HR	100	67	32	25	50	9.0	9		"	"	"
40.650503	RM4PCM3100HR-M	100	67	32	25	50	9.0	12		"	"	"

RM4PM-3000



Anwendbare WSP:

LNMX 1006

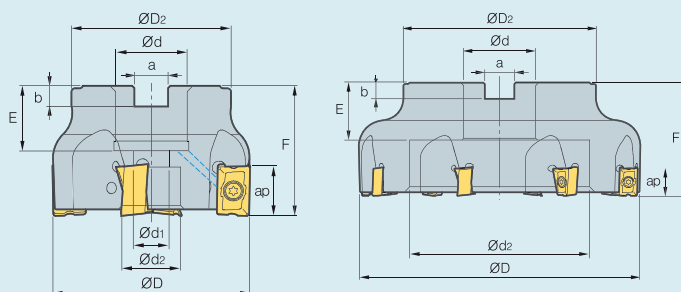


LNEX 1006



Art.-Nr.	Bezeichnung	ØD	Ød	l	L	ap	Z	Preis	WSP		
40.650964	RM4PM3018HR-M08	18	14.5	8.5	42	9.0	2		1006..	FTKA0307	TW09S
40.650965	RM4PM3020HR-M10	20	18	10.5	51	9.0	2		"	"	"
40.650966	RM4PM3025HR-M12	25	23	12.5	59	9.0	2		"	"	"
40.650967	RM4PM3032HR-M16	32	28	17	67	9.0	3		"	"	"
40.650968	RM4PM3040HR-M16	40	28	17	67	9.0	4		"	"	"

RM4PCM4000



Anwendbare WSP:

LNMX 1510

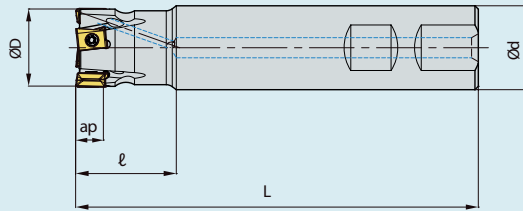


LNEX 1510



Art.-Nr.	Bezeichnung	ØD	ØD2	Ød	E	F	ap	Z	Preis	WSP		
40.650504	RM4PCM4050HR	50	46	22	20	40	14	3		1510..	FTKA0412B	TW15S
40.650505	RM4PCM4050HR-M	50	46	22	20	40	14	4		"	"	"
40.650506	RM4PCM4050HR-H	50	46	22	20	40	14	5		"	"	"
40.650507	RM4PCM4063HR	63	49	22	20	40	14	4		"	"	"
40.650508	RM4PCM4063HR-M	63	49	22	20	40	14	6		"	"	"
40.650509	RM4PCM4080HR	80	57	27	23	50	14	5		"	"	"
40.650510	RM4PCM4080HR-M	80	57	27	23	50	14	7		"	"	"
40.650511	RM4PCM4100HR	100	67	32	25	50	14	5		"	"	"
40.650512	RM4PCM4100HR-M	100	67	32	25	50	14	8		"	"	"
40.650513	RM4PCM4125HR	125	87	40	30	63	14	7		"	"	"
40.650514	RM4PCM4125HR-M	125	87	40	30	63	14	10		"	"	"
40.650515	RM4PCM4160R	160	107	40	32	63	14	8		"	"	"
40.650516	RM4PCM4160R-M	160	107	40	32	63	14	12		"	"	"

TP2PS



Anwendbare WSP:

LNKT 1707

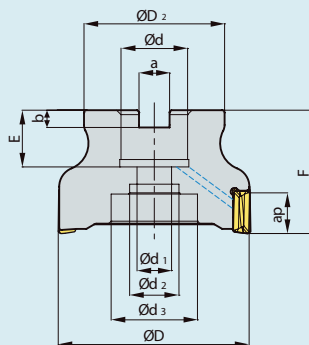


LNKT 1707



Art.-Nr.	Bezeichnung	ØD	Ød	l	L	ap	Z	Preis	WSP		
40.651607	TP2PS032R-2W32-130-LN17	32	32	40	130	16.5	2		170708	FTKA0412B	TW15S
40.651608	TP2PS032R-3W32-130-LN17	32	32	40	130	16.5	3		"	"	"
40.651609	TP2PS040R-3W32-130-LN17	40	32	40	130	16.5	3		"	"	"
40.651610	TP2PS040R-4W32-130-LN17	40	32	40	130	16.5	4		"	"	"
40.651611	TP2PS050R-4W32-130-LN17	50	32	40	130	16.5	4		"	"	"
40.651612	TP2PS050R-5W32-130-LN17	50	32	40	130	16.5	5		"	"	"

TP2PCM



Anwendbare WSP:

LNKT 1707

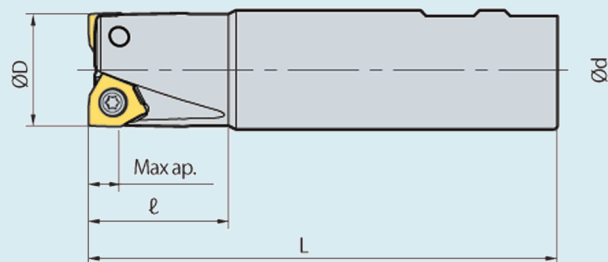


LNKT 1707



Art.-Nr.	Bezeichnung	ØD	ØD2	Ød	F	ap	Z	Preis	WSP		
40.651613	TP2PCM040R-16-3-LN17	40	35	16	40	16.5	3		170708	FTKA0412B	TW15S
40.651614	TP2PCM040R-16-4-LN17	40	35	16	40	16.5	4		"	"	"
40.651615	TP2PCM050R-22-4-LN17	50	41	22	40	16.5	4		"	"	"
40.651616	TP2PCM050R-22-5-LN17	50	41	22	40	16.5	5		"	"	"
40.651617	TP2PCM063R-22-6-LN17	63	49	22	40	16.5	6		"	"	"
40.651618	TP2PCM063R-22-7-LN17	63	49	22	40	16.5	7		"	"	"
40.651619	TP2PCM080R-27-7-LN17	80	57	27	50	16.5	7		"	"	"
40.651621	TP2PCM080R-27-10-LN17	80	67	27	50	16.5	10		"	"	"
40.651622	TP2PCM100R-32-8-LN17	100	67	32	63	16.5	8		"	"	"
40.651624	TP2PCM125R-40-10-LN17	125	90	40	63	16.5	10		"	"	"

RM6PS



Anwendbare WSP:

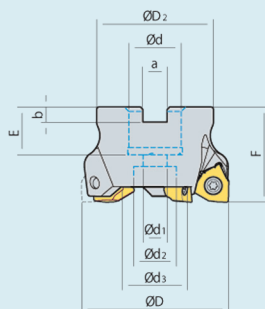
WNGX 0403...

WNGX 0806...



Art.-Nr.	Bezeichnung	ØD	Ød	l	L	Z	Preis	WSP			
40.651644	RM6PS020R-3W20-110-WN04	20	20	35	110	3		0403..	ETNA02506	TW07S	-
40.651646	RM6PS025R-4W25-110-WN04	25	25	35	110	4		"	"	"	-
40.651647	RM6PS032R-5W32-110-WN04	32	32	35	110	5		"	"	"	-
40.651650	RM6PS040R-4W32-120-WN08	40	32	40	120	4		0806..	FTNA0512	-	TW20-100
40.651651	RM6PS050R-4W32-120-WN08	50	32	40	120	4		"	"	"	
40.651652	RM6PS050R-5W32-120-WN08	50	32	40	120	5		0806..	FTNA0512	-	

RM6PCM



Anwendbare WSP:

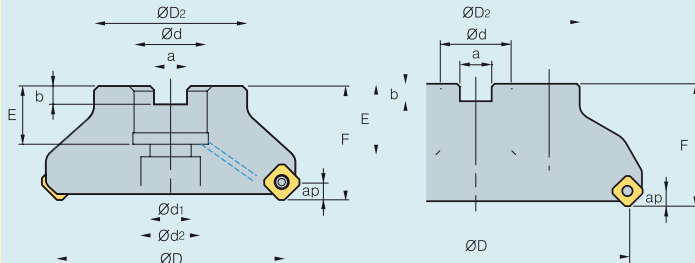
WNGX 0403..

WNGX 0806..



Art.-Nr.	Bezeichnung	ØD	Ød	F	Z	Preis	WSP			
40.651626	RM6PCM040R-16-6-WN04	40	16	40	6		0403..	ETNA02506	TW07S	-
40.651627	RM6PCM040R-16-7-WN04	40	16	40	7		"	"	"	-
40.651632	RM6PCM050R-22-4-WN08	50	22	40	4		"	"	"	-
40.651633	RM6PCM050R-22-5-WN08	50	22	40	5		"	"	"	-
40.651634	RM6PCM063R-22-6-WN08	63	22	40	6		"	"	"	-
40.651635	RM6PCM063R-22-7-WN08	63	22	40	7		0806..	FTNA0512	-	TW20-100
40.651636	RM6PCM080R-27-7-WN08	80	27	50	7		"	"	-	
40.651637	RM6PCM080R-27-9-WN08	80	27	50	9		"	"	-	
40.651638	RM6PCM100R-32-8-WN08	100	32	50	8		"	"	-	"
40.651639	RM6PCM100R-32-11-WN08	100	32	50	11		"	"	-	"
40.651640	RM6PCM125R-40-11-WN08	125	40	63	11		"	"	-	"
40.651641	RM6PCM125R-40-14-WN08	125	40	63	14		"	"	-	"

RM8 ACM..



Anwendbare WSP:

SNEX 1206ANN



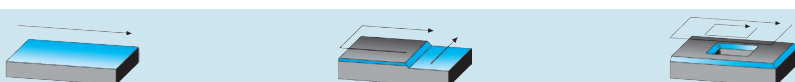
SNMX 1206ANN



Art.-Nr.	Bezeichnung	ØD	ØD2	Ød	F	ap	Z	Preis	WSP		
40.650453	RM8-ACM 4050HR-M	50	49	22	40	6.0	4		1206..	FTKA0410	TW15S
40.650459	" 4050HR-H	50	49	22	40	6.0	6		"	"	"
40.650454	" 4063HR-M	63	49	22	40	6.0	6		"	"	"
40.650460	" 4063HR-H	63	49	22	40	6.0	8		"	"	"
40.650455	" 4080HR-M	80	57	27	50	6.0	7		"	"	"
40.650461	" 4080HR-H	80	57	27	50	6.0	10		"	"	"
40.650456	" 4100HR-M	100	67	32	50	6.0	8		"	"	"
40.650462	" 4100HR-H	100	67	32	50	6.0	12		"	"	"
40.650457	" 4125HR-M	125	87	40	63	6.0	10		"	"	"
40.650463	" 4125HR-H	125	87	40	63	6.0	16		"	"	"
40.650458	" 4160R-M	160	107	40	63	6.0	12		"	"	"

Planfräser mit Unterlagsplatten RMH8 ACM..

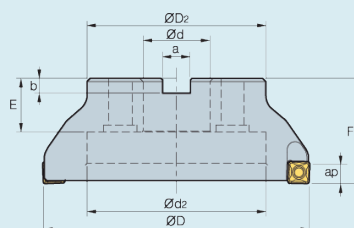
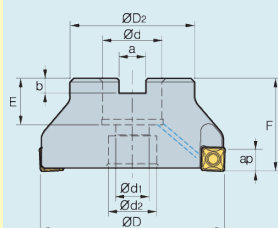
Art.-Nr.	Bezeichnung	ØD	ØD2	Ød	F	ap	Z	Preis	WSP				
40.650602	RMH8-ACM 4080HR-M	80	57	27	50	6.0	7		1206..	SS42RM8	SHXN 0609F	FTKA 0412B	TW15S
40.650603	" 4100HR-M	100	67	32	50	6.0	8		"	"	"	"	"
40.650604	" 4125HR-M	125	87	40	63	6.0	10		"	"	"	"	"
40.650605	" 4160R-M	160	107	40	63	6.0	12		"	"	"	"	"
40.650606	" 4200R-M	200	130	60	63	6.0	14		"	"	"	"	"
40.650607	" 4250R-M	250	180	60	63	6.0	16		"	"	"	"	"



RM8 QCM..



AA
88°



Anwendbare WSP:

SNEX 1206QNN



SNMX 1206QNN



Art.-Nr.	Bezeichnung	ØD	ØD2	Ød	F	ap	Z	Preis	WSP		
40.650569	RM8-QCM 4063HR-M	63	49	22	40	11.5	6		1206..	PTKA0411-R3	TW15S
40.650570	" 4063HR-H	63	49	22	40	11.5	8		"	"	"
40.650571	" 4080HR-M	80	57	27	50	11.5	7		"	"	"
40.650572	" 4080HR-H	80	57	27	50	11.5	10		"	"	"
40.650573	" 4100HR-M	100	67	32	50	11.5	8		"	"	"

Anwendbare WSP:

SNEX 1206QNN



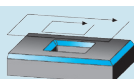
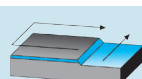
SNMX 1206QNN



AA
88°

Eckfräser mit Unterlagsplatten RMH8 QCM..

Art.-Nr.	Bezeichnung	ØD	ØD2	Ød	F	ap	Z	Preis	WSP				
40.651161	RMH8-QCM 4080HR-M	80	57	27	50	11.5	7		1206..	SS42RM8	SHXN 0609F	PTKA 0411-R3	TW15S
40.651162	" 4100HR-M	100	67	32	50	11.5	8		"	"	"	"	"
40.651163	" 4125HR-M	125	87	40	63	11.5	10		"	"	"	"	"



RM16 ACM..



AA
45°

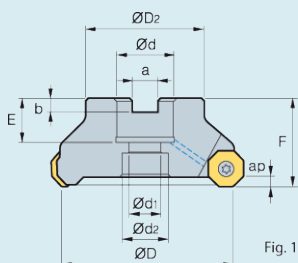


Fig. 1

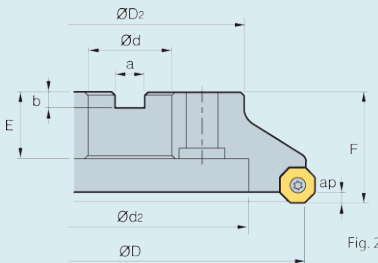


Fig. 2

Anwendbare WSP:

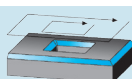
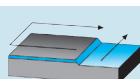
ONMX 0606..



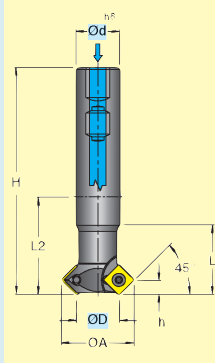
ONMX 0806..



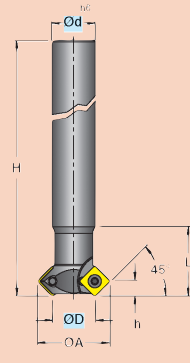
Art.-Nr.		Bezeichnung	ØD	ØD2	Ød	F	ap	Z	Preis	WSP		
40.650612	RM16-ACM	6063HR-M	63	49	22	40	4.0	5		0606..	FTGA0513	TW20-100
40.650613	"	6080HR-M	80	57	27	50	4.0	6		"	"	"
40.650614	"	6100HR-M	100	67	32	50	4.0	7		"	"	"
40.650615	"	6125HR-M	125	87	40	63	4.0	8		"	"	"
40.650621	RM16-ACM	8063HR-M	63	49	22	40	5.5	5		0806..	FTGA0513	TW20-100
40.650622	"	8080HR-M	80	57	27	50	5.5	6		"	"	"
40.650623	"	8100HR-M	100	67	32	50	5.5	7		"	"	"
40.650624	"	8125HR-M	125	87	40	63	5.5	8		"	"	"
40.650625	"	8160R-M	160	107	40	63	5.5	10		"	"	"



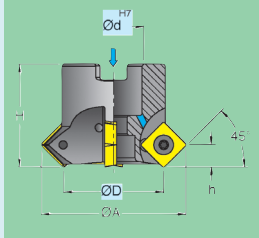
S 676W..



S 676XLZ



S 678W.. 12



Anwendbare WSP:

SPMT 060304



SPMT 09T308



SPMT 120408



Art.-Nr.	Bezeichnung	ØD	Ød	ØA	H	h	L	L2	Z	Preis	WSP			
30.250494	S 676W 009-06	9	16	17	90	4	29	42	1	060304	12256P	5608P	-	
30.250495	S 676W 016-09	16	20	28	110	5.8	42	60	2	09T308	123509P	5615P	-	
30.250496	S 676W 025-12	25	25	41.5	130	8	40	74	2	120408	124510	5620	-	
30.250497	S 676W 032-12	32	32	48.5	130	8	50	70	3	120408	124510	5620	-	
30.250498	S 676XLZ 009-06	9	16	17	150	4	29	-	1	060304	12256P	5608P	-	
30.250499	S 676XLZ 016-09	16	20	28	200	5.8	42	-	2	09T308	123509P	5615P	-	
30.250500	S 676XLZ 025-12	25	25	41.5	200	8	40	-	2	120408	124510	5620	-	
30.250501	S 676XLZ 032-12	32	32	48.5	250	8	50	-	3	120408	124510	5620	-	
30.250502	S 678W 040-12	40	22	56	40	8	-	-	4	120408	124510	5620	VBSF 10	
30.250503	S 678W 050-12	50	22	66	40	8	-	-	5	120408	124510	5620	VBSF 10	

CE45

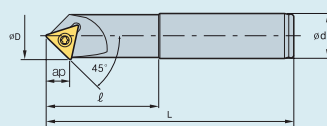


Fig. 1

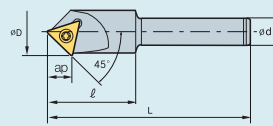


Fig. 2

Anwendbare WSP:

TWX 16R-KC..

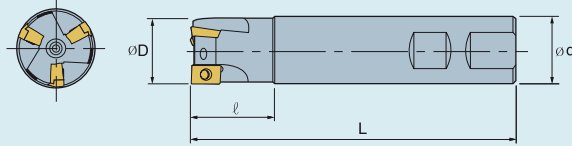


TWX 22R-KC..



Art.-Nr.	Bezeichnung	ØD	Ød	ℓ	L	ap	Fig.	Preis	WSP		
40.650839	CE45- 1600R-S12	22	12	40	90	10	2	16R-KC..	FTKA03510	TW15S	
40.650840	" 1600R-S20	22	20	50	110	10	1	"	"	"	
40.650920	" 1600R-L20	22	20	60	200	10	1	"	"	"	
40.650921	" 2200R-S12	29	12	40	90	14	2	22R-KC..	"	"	
40.650922	" 2200R-S25	29	25	50	110	14	1	"	"	"	
40.650923	" 2200R-L25	29	25	60	200	14	1	"	"	"	

AMS1000S



Anwendbare WSP:

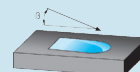
APMT 0602..



APMT 0602..



Art.-Nr.	Bezeichnung	ØD	Ød	l	L	ap	Z	Preis	WSP		
40.650764	AMS1010HS	10	10	20	80	5.6	2		0602..	FTKA01842	TW06S-A
40.651672	AMS1011HS	11	10	20	80	5.6	2		"	"	"
40.650765	AMS1012HS-2	12	12	25	80	5.6	2		"	"	"
40.650766	AMS1012HS-3	12	12	25	80	5.6	3		"	"	"
40.651391	AMS1012HS-2L12	12	12	25	120	5.6	2		"	"	"
40.650767	AMS1014HS-2	14	16	25	90	5.6	2		"	"	"
40.650768	AMS1014HS-3	14	16	25	90	5.6	3		"	"	"
40.650957	AMS1014MH	14	12	25	120	5.6	3		"	"	"
40.650769	AMS1015HS	15	16	25	90	5.6	3		"	"	"
40.651673	AMS1015HS-3L16	15	16	25	140	5.6	3		"	"	"
40.650770	AMS1016HS-3	16	16	25	90	5.6	3		"	"	"
40.650771	AMS1016HS-4	16	16	25	90	5.6	4		"	"	"
40.650958	AMS1016MH	16	14	25	140	5.6	3		"	"	"
40.651674	AMS1016HS-3L16	16	16	25	160	5.6	3		"	"	"
40.651675	AMS1017HS	17	16	25	90	5.6	4		"	"	"
40.650772	AMS1018HS	18	16	25	90	5.6	4		"	"	"
40.650959	AMS1018MH	18	16	25	140	5.6	3		"	"	"
40.651676	AMS1018HS-4L16	18	16	25	180	5.6	4		"	"	"
40.650773	AMS1020HS-4	20	20	30	110	5.6	4		"	"	"
40.650774	AMS1020HS-5	20	20	30	110	5.6	5		"	"	"
40.650775	AMS1022HS	22	20	30	110	5.6	5		"	"	"
40.650776	AMS1025HS	25	25	30	120	5.6	7		"	"	"



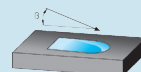
AMS1500S

Anwendbare WSP:

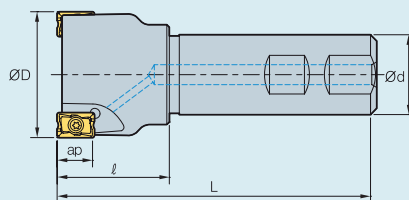
APMT 0903..

APMT 0903..

Art.-Nr.	Bezeichnung	ØD	Ød	ℓ	L	ap	Z	Preis	WSP		
40.650782	AMS15016HS	16	16	30	90	9	2		0903..	FTKA 02565S	TW08S
40.650978	AMS15016HS-2L16	16	16	30	160	9	2		"	"	"
40.650783	AMS15018HS	18	16	30	90	9	2		"	"	"
40.650784	AMS15020HS	20	20	30	90	9	2		"	"	"
40.650979	AMS15020HS-2L20	20	20	30	160	9	2		"	"	"
40.650785	AMS15020HS-3	20	20	30	90	9	3		"	"	"
40.651677	AMS15021HS-3	21	20	30	90	9	3		"	"	"
40.650786	AMS15022HS	22	20	30	110	9	3		"	"	"
40.650788	AMS15024HS-4	24	20	30	110	9	4		"	"	"
40.651678	AMS15025HS-3S20	25	20	30	110	9	3		"	"	"
40.650976	AMS15025HS-4S20	25	20	30	110	9	4		"	"	"
40.650789	AMS15025HS	25	25	30	110	9	3		"	"	"
40.650980	AMS15025HS-3L25	25	25	30	180	9	3		"	"	"
40.650977	AMS15025HS-4S25	25	25	30	110	9	4		"	"	"
40.650790	AMS15028HS	28	25	30	110	9	4		"	"	"
40.651679	AMS15028HS-4L25	28	25	30	180	9	4		"	"	"
40.650791	AMS15028HS-5	28	25	30	110	9	5		"	"	"
40.650792	AMS15030HS	30	25	30	110	9	4		"	"	"
40.650793	AMS15030HS-5	30	25	30	110	9	5		"	"	"
40.650794	AMS15032HS	32	32	30	110	9	4		"	"	"
40.650795	AMS15032HS-5	32	32	30	110	9	5		"	"	"
40.650797	AMS15035HS-6	35	32	30	110	9	6		"	"	"
40.650798	AMS15040HS-S32	40	32	35	130	9	5		"	"	"
40.650799	AMS15040HS-6S32	40	32	35	130	9	6		"	"	"



AMS2000S



Anwendbare WSP:

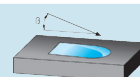
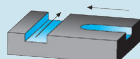
APMT 11T3..



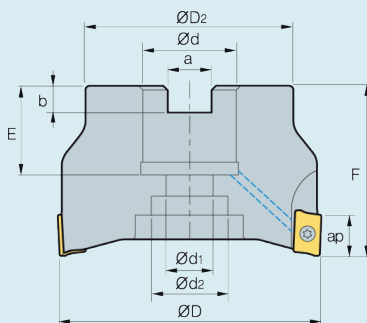
APMT 11T3..



Art.-Nr.	Bezeichnung	ØD	Ød	l	L	ap	Z	Preis	WSP		
40.620091	AMS 2016HS	16	16	25	90	11	2		11T3..	FTKA02565S	TW08S
40.620092	" 2018HS	18	16	25	90	11	2		"	"	"
40.620093	" 2020HS	20	20	30	100	11	2		"	"	"
40.620094	" 2022HS	22	20	35	115	11	3		"	"	"
40.620095	" 2025HS	25	25	35	115	11	3		"	"	"
40.620096	" 2032HS	32	32	40	125	11	4		"	"	"
40.620097	" 2040HS	40	32	42	130	11	5		"	"	"



AMCM1000S



Anwendbare WSP:

APMT 0602..



APMT 0602..



Art.-Nr.	Bezeichnung	ØD	ØD2	Ød	F	ap	Z	Preis	WSP		
40.650841	AMCM 1032HS	32	30	16	40	5.6	8		0602..	FTKA01842	TW06S-A
40.650842	" 1040HS-16	40	34	16	40	5.6	10		"	"	"
40.650844	" 1050HS	50	42	22	40	5.6	12		"	"	"
40.650845	" 1063HS	63	49	22	40	5.6	14		"	"	"

AMCM1500S



Anwendbare WSP:

APMT 0903..

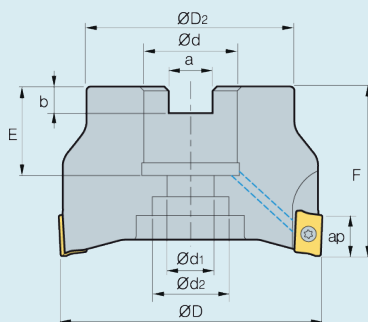


APMT 0903..



Art.-Nr.	Bezeichnung	ØD	ØD2	Ød	F	ap	Z	Preis	WSP		
40.650356	AMCM 15040HS	40	34	16	40	9	5		0903..	FTKA02565S	TW08S
40.620104	" 15050HS	50	42	22	40	9	6		"	"	"
40.620105	" 15063HS	63	49	22	40	9	8		"	"	"
40.620106	" 15080HS	80	57	27	50	9	10		"	"	"

AMCM2000S



Anwendbare WSP:

APMT 11T3..

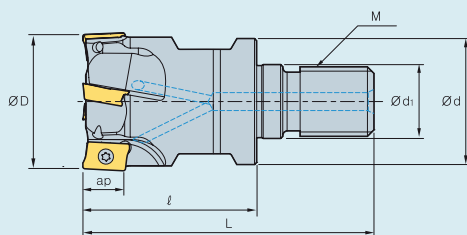


APMT 11T3..



Art.-Nr.	Bezeichnung	ØD	ØD2	Ød	F	ap	Z	Preis	WSP		
40.650359	AMCM 2040HS	40	34	16	40	11	5		11T3..	FTKA02565S	TW08S
40.650360	" 2050HS	50	42	22	40	11	6		"	"	"
40.650361	" 2063HS	63	49	22	40	11	8		"	"	"
40.650362	" 2080HS	80	57	27	50	11	8		"	"	"
40.650553	" 2100HS	100	67	32	63	11	10		"	"	"

AMM



Anwendbare WSP:

APMT 0602..



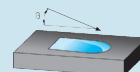
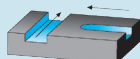
APMT 0903..



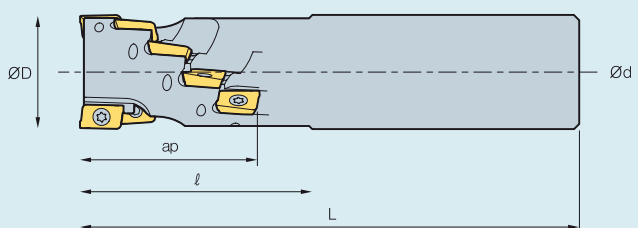
APMT 11T3..



Art.-Nr.	Bezeichnung	ØD	Ød1	l	L	G	Z	Preis	WSP		
40.650825	AMM 1012HR-M06	12	6.5	25	40	M06	3		0602..	FTKA01842	TW06S-A
40.650826	" 1016HR-M08	16	8.5	25	42	M08	4		"	"	"
40.650827	" 1020HR-M10	20	10.5	30	51	M10	5		"	"	"
40.650828	" 1025HR-M12	25	12.5	35	59	M12	7		"	"	"
40.650830	" 15016HR-M08	16	8.5	25	42	M08	2		0903..	FTKA02565S	TW08S
40.650831	" 15020HR-M10	20	10.5	30	51	M10	2		"	"	"
40.650832	" 15025HR-M12	25	12.5	35	59	M12	3		"	"	"
40.650833	" 15032HR-M16	32	17.0	40	67	M16	4		"	"	"
40.650834	" 2016HR-M08	16	8.5	25	42	M08	2		11T3..	FTKA02565S	TW08S
40.650835	" 2020HR-M10	20	10.5	30	51	M10	2		"	"	"
40.650836	" 2025HR-M12	25	12.5	35	59	M12	3		"	"	"
40.650837	" 2032HR-M16	32	17.0	40	67	M16	4		"	"	"



AMS...M



Anwendbare WSP:

APMT 0602..



APMT 0903..

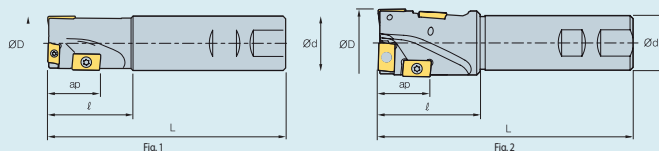


APMT 11T3..



Art.-Nr.	Bezeichnung	ØD	Ød1	l	L	ap	Anz. Reihen	Z	Preis	WSP APMT		
40.650949	2020M	20	20	45	120	29.4	1	3		11T3..	FTKA02565S	TW08S
40.650950	2025M	25	25	55	130	38.9	2	8		"	"	"
40.650951	2032M	32	32	65	140	48.5	2	10		"	"	"
40.650952	2040M	40	40	75	150	58	2	14		"	"	"

AMS...MH



Anwendbare WSP:

APMT 0602..



APMT 0903..



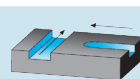
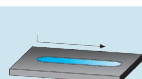
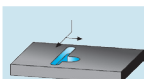
APMT 11T3..



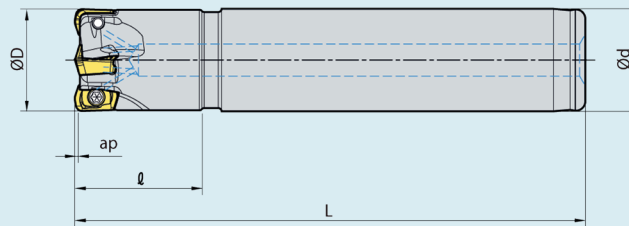
APMT 1604..



Art.-Nr.	Bezeichnung	ØD	Ød	l	L	ap	Z	Preis	APMT 0602	APMT 0903	APMT 11T3	APMT 1604		
40.650960	AMS15020MH	20	20	35	140	17	3		1	2			FTKA02565S	TW08S
40.650377	AMS2025MH	25	25	40	130	20	3				3		"	"
40.650378	AMS2032MH	32	32	50	140	30	3				1	2	"	"



HFMS1000



Anwendbare WSP:

LPEW 0402..

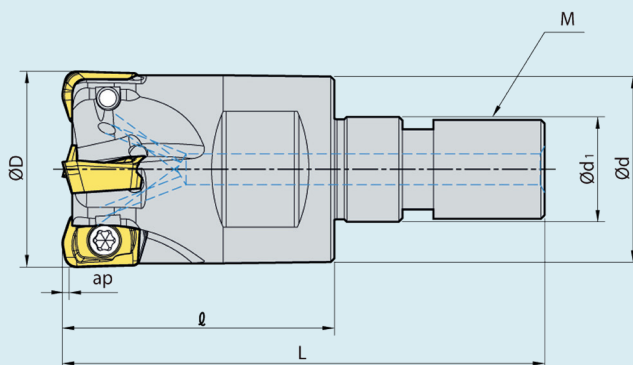


LPMT 0402..



Art.-Nr.	Bezeichnung	ØD	Ød	l	L	ap	Z	Preis		
40.651571	HFMS 1010HR-2M08	10	8	25	100	0.4-0.5	2		FTKA01840	TW06S-A
40.651572	" 1010HR-2L08	10	8	35	120	0.4-0.5	2		"	"
40.651574	" 1010HR-2M10	10	10	25	105	0.4-0.5	2		"	"
40.651575	" 1010HR-2L10	10	10	35	120	0.4-0.5	2		"	"
40.651576	" 1011HR-2S10	11	10	20	80	0.4-0.5	2		FTKA01842	"
40.651577	" 1011HR-2M10	11	10	25	105	0.4-0.5	2		"	"
40.651578	" 1011HR-2L10	11	10	35	120	0.4-0.5	2		"	"
40.651580	" 1012HR-3M10	12	10	25	105	0.4-0.5	3		"	"
40.651581	" 1012HR-3L10	12	10	35	120	0.4-0.5	3		"	"
40.651582	" 1012HR-3S12	12	12	20	80	0.4-0.5	3		"	"
40.651583	" 1012HR-3M12	12	12	25	105	0.4-0.5	3		"	"
40.651584	" 1012HR-3L12	12	12	35	120	0.4-0.5	3		"	"
40.651585	" 1013HR-3S12	13	12	20	80	0.4-0.5	3		"	"
40.651586	" 1013HR-3M12	13	12	25	105	0.4-0.5	3		"	"
40.651587	" 1013HR-3L12	13	12	40	120	0.4-0.5	3		"	"
40.651589	" 1014HR-3M12	14	12	25	105	0.4-0.5	3		"	"
40.651590	" 1014HR-3L12	14	12	40	120	0.4-0.5	3		"	"
40.651591	" 1015HR-4L12	15	12	40	120	0.4-0.5	4		"	"
40.651593	" 1016HR-4M16	16	16	25	105	0.4-0.5	4		"	"
40.651594	" 1016HR-4L16	16	16	40	120	0.4-0.5	4		"	"
40.651595	" 1017HR-4S16	17	16	20	80	0.4-0.5	4		"	"
40.651596	" 1017HR-4M16	17	16	25	105	0.4-0.5	4		"	"
40.651597	" 1017HR-4L16	17	16	40	120	0.4-0.5	4		"	"
40.651598	" 1018HR-4L16	18	16	40	120	0.4-0.5	4		"	"
40.651599	" 1019HR-4L16	19	16	40	120	0.4-0.5	4		"	"
40.651600	" 1020HR-4M20	20	20	25	105	0.4-0.5	4		"	"
40.651601	" 1020HR-4L20	20	20	40	120	0.4-0.5	4		"	"
40.651602	" 1020HR-5S20	20	20	20	80	0.4-0.5	5		"	"
40.651603	" 1020HR-5M20	20	20	25	105	0.4-0.5	5		"	"
40.651604	" 1020HR-5L20	20	20	40	120	0.4-0.5	5		"	"
40.651605	" 1021HR-5M20	21	20	25	105	0.4-0.5	5		"	"
40.651606	" 1021HR-5L20	21	20	40	120	0.4-0.5	5		"	"

HFMM



Anwendbare WSP:

LPEW 0402..

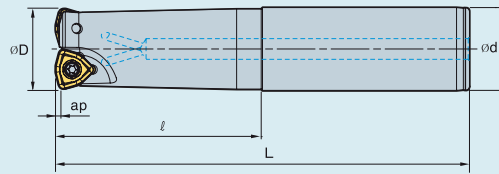


LPMT 0402..



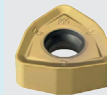
Art.-Nr.	Bezeichnung	ØD	Ød	Ød1	ℓ	L	ap	Z	Preis		
40.651659	HFMM 1010HR-M06	10	9.5	6.5	17	32	0.4-0.5	2	FTKA01840	TW06S-A	
40.651660	" 1011HR-M06	11	9.5	6.5	17	32	0.4-0.5	2	FTKA01842	"	
40.651661	" 1012HR-M06	12	11	6.5	19	34	0.4-0.5	3	"	"	
40.651662	" 1013HR-M06	13	11	6.5	19	34	0.4-0.5	3	"	"	
40.651663	" 1016HR-M08	16	14.5	8.5	22	39	0.4-0.5	4	"	"	
40.651664	" 1017HR-M08	17	14.5	8.5	22	39	0.4-0.5	4	"	"	
40.651665	" 1020HR-M10	20	18	10.5	25	46	0.4-0.5	5	"	"	
40.651666	" 1021HR-M10	21	18	10.5	25	46	0.4-0.5	5	"	"	
40.651667	" 1025HR-M12	25	23	12.5	27	51	0.4-0.5	6	"	"	
40.651668	" 1026HR-M12	26	23	12.5	27	51	0.4-0.5	6	"	"	
40.651669	" 1030HR-M16	30	29	17	30	60	0.4-0.5	7	"	"	
40.651670	" 1032HR-M16	32	29	17	30	60	0.4-0.5	8	"	"	
40.651671	" 1033HR-M16	33	29	17	30	60	0.4-0.5	8	"	"	

HRMDS-06



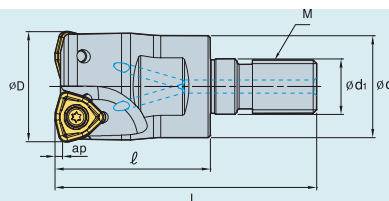
Anwendbare WSP:

WNMX 060312

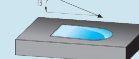


Art.-Nr.	Bezeichnung	ØD	Ød	l	L	ap	Z	Preis		
40.650630	HRMDS 0616HR-2S16	16	16	30	110	1.0	2	ETNA02506	TW07S	
40.650631	" 0616HR-2M16	16	16	70	150	1.0	2	"	"	
40.650633	" 0617HR-2S16	16	16	100	200	1.0	2	"	"	
40.650634	" 0617HR-2M16	17	16	20	110	1.0	2	"	"	
40.650637	" 0618HR-2M16	17	16	20	150	1.0	2	"	"	
40.650638	" 0618HR-2L16	17	16	20	200	1.0	2	"	"	
40.650639	" 0620HR-2S20	18	16	20	110	1.0	2	"	"	
40.650640	" 0620HR-2M20	18	16	20	150	1.0	2	"	"	
40.650641	" 0620HR-2L20	18	16	20	200	1.0	2	"	"	
40.650642	" 0621HR-2S20	20	20	50	130	1.0	2	"	"	
40.650643	" 0621HR-2M20	20	20	100	180	1.0	2	"	"	
40.650645	" 0625HR-3S25	20	20	130	250	1.0	2	"	"	
40.650646	" 0625HR-3M25	21	20	20	130	1.0	2	"	"	
40.650647	" 0625HR-3L25	21	20	20	180	1.0	2	"	"	
40.650648	" 0626HR-3S25	21	20	20	250	1.0	2	"	"	
40.650649	" 0626HR-3M25	25	25	60	140	1.0	3	"	"	
40.650651	" 0632HR-4S32	25	25	80	180	1.0	3	"	"	
40.650653	" 0632HR-4L32	25	25	120	250	1.0	3	"	"	

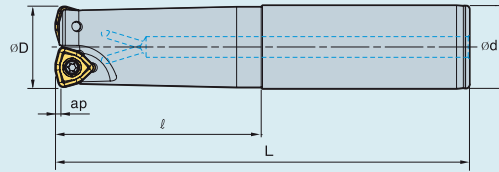
HRMDM-06



Art.-Nr.	Bezeichnung	ØD	Ød1	l	L	ap	Z	G	Preis		
40.650657	HRMDM 0616HR-M08	16	8.5	25	42	1.0	2	M08	ETNA02506	TW07S	
40.650658	" 0617HR-M08	17	8.5	25	42	1.0	2	M08	"	"	
40.650659	" 0618HR-M08	18	8.5	25	42	1.0	2	M08	"	"	
40.650660	" 0620HR-M10	20	10.5	30	51	1.0	2	M10	"	"	
40.650662	" 0625HR-M12	25	12.5	35	59	1.0	3	M12	"	"	
40.650664	" 0632HR-M16	32	17	40	67	1.0	4	M16	"	"	

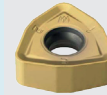


HRMDS-09

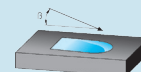


Anwendbare WSP:

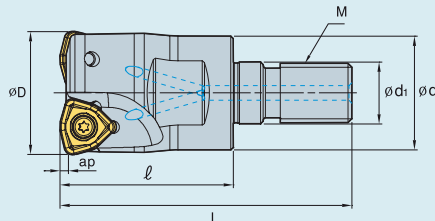
WNMX 09T3..



Art.-Nr.	Bezeichnung	ØD	Ød	l	L	ap	Z	Preis		
40.650846	HRMDS 0925HR-2S25	25	25	60	140	1.5	2		FTKA0307	TW09S
40.650847	" 0925HR-2M25	25	25	120	200	1.5	2		"	"
40.650848	" 0925HR-2L25	25	25	180	300	1.5	2		"	"
40.650849	" 0926HR-2S25	26	25	60	140	1.5	2		"	"
40.650850	" 0926HR-2M25	26	25	60	200	1.5	2		"	"
40.650851	" 0926HR-2L25	26	25	60	300	1.5	2		"	"
40.650852	" 0930HR-3S32	30	32	70	150	1.5	3		"	"
40.650855	" 0932HR-3S32	32	32	70	150	1.5	3		"	"
40.650856	" 0932HR-3M32	32	32	120	200	1.5	3		"	"
40.650860	" 0933HR-3L32	33	32	70	300	1.5	3		"	"
40.650861	" 0935HR-4S32	35	32	50	150	1.5	4		"	"
40.650864	" 0940HR-4S32	40	32	50	150	1.5	4		"	"

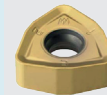


HRMDM-09



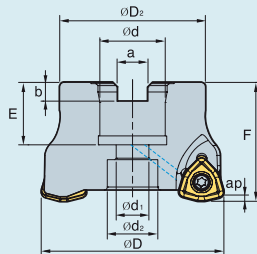
Anwendbare WSP:

WNMX 09T3..



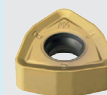
Art.-Nr.	Bezeichnung	$\varnothing D$	$\varnothing d_1$	ℓ	L	ap	Z	G	Preis		
40.650805	HRMDM 0925HR-M12	25	12.5	35	59	1.5	2	M12	FTKA0307	TW09S	
40.650806	" 0926HR-M12	26	12.5	35	59	1.5	2	M12	"	"	
40.650807	" 0930HR-M16	30	17	40	67	1.5	3	M16	"	"	
40.650808	" 0932HR-M16	32	17	40	67	1.5	3	M16	"	"	
40.650809	" 0933HR-M16	33	17	40	67	1.5	3	M16	"	"	
40.650810	" 0935HR-M16	35	17	40	67	1.5	4	M16	"	"	
40.650811	" 0940HR-M16	40	17	40	67	1.5	4	M16	"	"	

HRMDCM-09



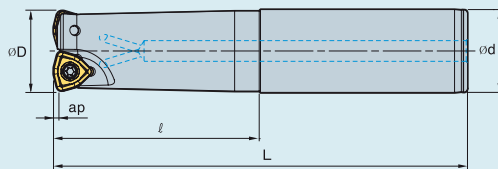
Anwendbare WSP:

WNMX 09T3..



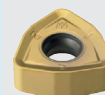
Art.-Nr.	Bezeichnung	$\varnothing D$	$\varnothing D_2$	$\varnothing d$	F	ap	Z	Preis		
40.650877	HRMDCM 09040HR-3	40	34	16	40	1.5	3	FTKA0307	TW09S	
40.650878	" 09040HR-4	40	34	16	40	1.5	4	"	"	
40.650879	" 09050HR-4	50	42	22	40	1.5	4	"	"	
40.650880	" 09050HR-5	50	42	22	40	1.5	5	"	"	
40.650881	" 09063HR-5	63	49	22	40	1.5	5	"	"	
40.650882	" 09063HR-6	63	49	22	40	1.5	6	"	"	
40.650883	" 09080HR-6	80	57	27	50	1.5	6	"	"	
40.650884	" 09080HR-7	80	57	27	50	1.5	7	"	"	
40.650885	" 09100HR-7	100	67	32	50	1.5	7	"	"	
40.650886	" 09100HR-8	100	67	32	50	1.5	8	"	"	

HRMDS-13

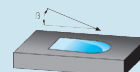
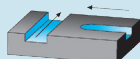


Anwendbare WSP:

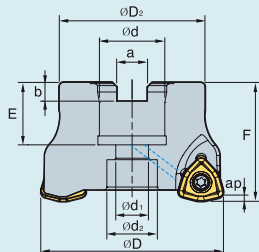
WNMX 1305..



Art.-Nr.	Bezeichnung	ØD	Ød	l	L	ap	Z	Preis		
40.650887	HRMDS 1332HR-2S32	32	32	70	150	2	2		FTKA0412B	TW15S
40.650888	" 1332HR-2M32	32	32	120	200	2	2		"	"
40.650889	" 1332HR-2L32	32	32	180	300	2	2		"	"
40.650890	" 1333HR-2S32	33	32	70	150	2	2		"	"
40.650891	" 1333HR-2M32	33	32	70	200	2	2		"	"
40.650894	" 1335HR-2M32	35	32	50	200	2	2		"	"
40.650895	" 1335HR-2L32	35	32	50	300	2	2		"	"
40.650896	" 1340HR-3S32	40	32	50	150	2	3		"	"
40.650897	" 1340HR-3M32	40	32	50	250	2	3		"	"
40.650898	" 1340HR-3L32	40	32	50	300	2	3		"	"

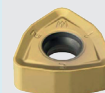


HRMDCM-13

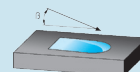
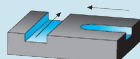


Anwendbare WSP:

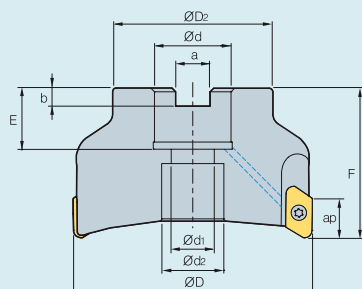
WNMX 1305..



Art.-Nr.	Bezeichnung	$\varnothing D$	$\varnothing D_2$	$\varnothing d$	F	ap	Z	Preis		
40.650812	HRMDCM 13050HR-3	50	42	22	40	2	3		FTKA0412B	TW15S
40.650813	" 13050HR-4	50	42	22	40	2	4		"	"
40.650814	" 13063HR-4	63	49	22	40	2	4		"	"
40.650815	" 13063HR-5	63	49	22	40	2	5		"	"
40.650816	" 13080HR-5	80	57	27	50	2	5		"	"
40.650817	" 13080HR-6	80	57	27	50	2	6		"	"
40.650818	" 13100HR-6	100	67	32	50	2	6		"	"
40.650819	" 13100HR-7	100	67	32	50	2	7		"	"
40.650821	" 13125HR-8	125	87	40	63	2	8		"	"



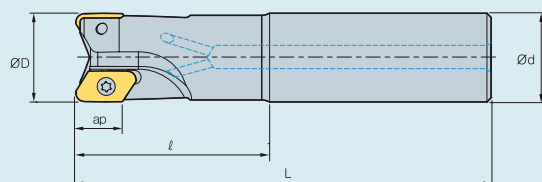
PAXCM



für Eckenradien 0.4 bis 3.2

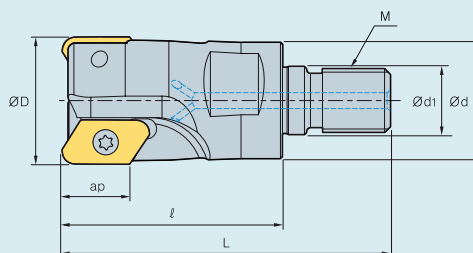
Art.-Nr.	Bezeichnung	ØD	ØD2	Ød	F	Z	ap	a°(max)	Preis	WSP		
40.650985	PAXCM5040HR-A	40	34	16	40	3	17	11.31°		XEKT 19M5..	PTKA0408	TW15S
40.650986	PAXCM5050HR-A	50	42	22	50	4	17	7.24°		"	"	"
40.650987	PAXCM5063HR-A	63	49	22	50	4	17	5.10°		"	"	"
40.650988	PAXCM5080HR-A	80	57	27	50	5	17	3.86°		"	"	"
40.650989	PAXCM5100HR-A	100	67	32	63	6	17	3.94°		"	"	"
40.650990	PAXCM5125HR-A	125	87	40	63	7	17	2.14°		"	"	"

PAXS



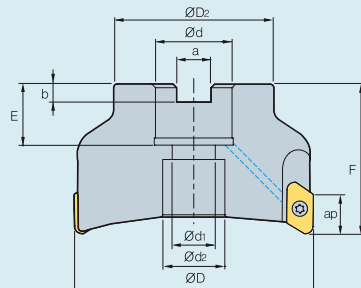
Art.-Nr.	Bezeichnung	ØD	Ød	l	L	Z	a°(max)	Preis	WSP		
40.650997	PAXS5020HR-A	20	20	60	130	1	8.30°		XEKT 19M5..	PTKA0408	TW15S
40.650998	PAXS5025HR-A	25	25	60	140	2	17.95°		"	"	"
40.650999	PAXS5025HR-A-L200	25	25	60	200	2	17.95°		"	"	"
40.651000	PAXS5032HR-A	32	32	70	150	2	12.6°		"	"	"
40.651001	PAXS5032HR-A-L220	32	32	70	220	2	12.6°		"	"	"
40.651002	PAXS5040HR-A-S32	40	32	70	160	3	9.91°		"	"	"
40.651003	PAXS5040HR-A-L220	40	32	70	220	3	9.91°		"	"	"
40.651004	PAXS5040HR-A-S40	40	40	70	160	3	9.91°		"	"	"
40.651005	PAXS5040HR-A-S42	40	42	70	160	3	9.91°		"	"	"

PAXM



Art.-Nr.	Bezeichnung	ØD	Ød	d1	l	L	M	Z	a°(max)	Preis	WSP		
40.651015	PAXM5025HR-A-M12	25	23	12.5	55	79	M12	2	17.95°		XEKT 19M5..	PTKA0408	TW15S
40.651016	PAXM5032HR-A-M16	32	29	17	55	82	M16	2	12.6°		"	"	"
40.651017	PAXM5040HR-A-M16	40	29	17	55	82	M16	3	9.91°		"	"	"

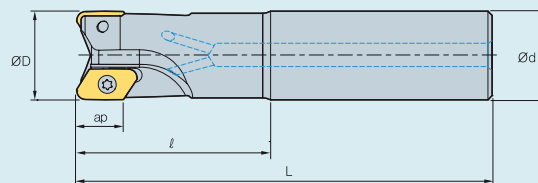
PAXCM



für Eckenradien 4.0 bis 5.0

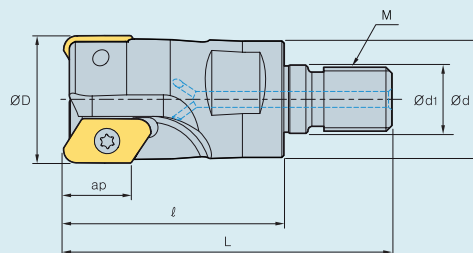
Art.-Nr.	Bezeichnung	ØD	ØD2	Ød	F	Z	ap	a°(max)	Preis	WSP		
40.650991	PAXCM5040HR-B	40	34	16	40	3	17	11.31°		XEKT 19M5..	PTKA0408	TW15S
40.650992	PAXCM5050HR-B	50	42	22	50	4	17	7.24°		"	"	"
40.650993	PAXCM5063HR-B	63	49	22	50	4	17	5.10°		"	"	"
40.650994	PAXCM5080HR-B	80	57	27	50	5	17	3.86°		"	"	"
40.650995	PAXCM5100HR-B	100	67	32	63	6	17	3.94°		"	"	"
40.650996	PAXCM5125HR-B	125	87	40	63	7	17	2.14°		"	"	"

PAXS



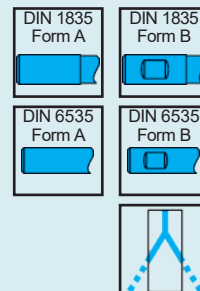
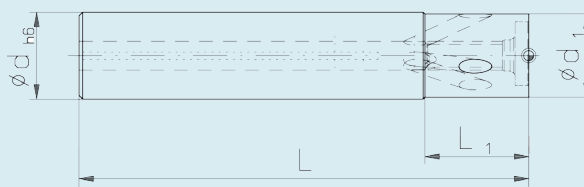
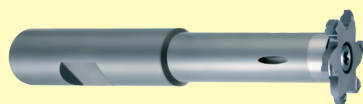
Art.-Nr.	Bezeichnung	ØD	Ød	l	L	Z	a°(max)	Preis	WSP		
40.651006	PAXS5020HR-B	20	20	60	130	1	8.30°		XEKT 19M5..	PTKA0408	TW15S
40.651007	PAXS5025HR-B	25	25	60	140	2	17.95°		"	"	"
40.651008	PAXS5025HR-B-L200	25	25	60	200	2	17.95°		"	"	"
40.651009	PAXS5032HR-B	32	32	70	150	2	12.60°		"	"	"
40.651010	PAXS5032HR-B-L220	32	32	70	220	2	12.60°		"	"	"
40.651012	PAXS5040HR-B-L220	40	32	70	220	3	9.91°		"	"	"
40.651013	PAXS5040HR-B-S40	40	40	70	160	3	9.91°		"	"	"
40.651014	PAXS5040HR-B-S42	40	42	70	160	3	9.91°		"	"	"

PAXM



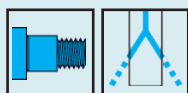
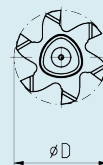
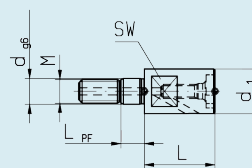
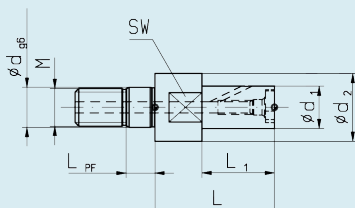
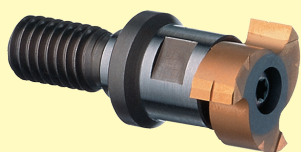
Art.-Nr.	Bezeichnung	ØD	Ød	d1	l	L	M	Z	a°(max)	Preis	WSP		
40.651018	PAXM5025HR-B-M12	25	23	12.5	55	79	M12	2	17.95°		XEKT 19M5..	PTKA0408	TW15S
40.651019	PAXM5032HR-B-M16	32	29	17	55	82	M16	2	12.6°		"	"	"
40.651020	PAXM5040HR-B-M16	40	29	17	55	82	M16	3	9.91°		"	"	"

Poly-Fräser



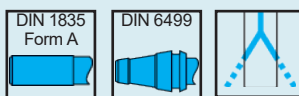
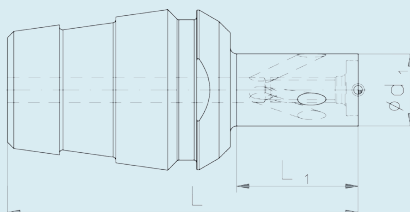
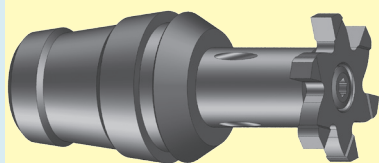
Art.-Nr.	Typ	Bestell-Nr.	Form	kleinster Bohr-Ø	dh6	d1	Smax	L	L1	Schaft	Preis	WSP		
90.351251	P12	123619	B	12.0	12.0	7.0	2.35	67.5	20.0	Stahl		P12	107596	111656
90.351252	"	100228	B	12.0	12.0	7.0	2.35	67.5	20.0	HM		"	"	"
90.351253	"	171778	A	12.0	12.0	7.0	2.35	67.5	20.0	HM		"	"	"
90.351254	"	171780	B	12.0	12.0	7.0	2.35	80.0	30.0	HM		"	"	"
90.351255	"	171781	A	12.0	12.0	7.0	2.35	80.0	30.0	HM		"	"	"
90.351256	"	171783	B	12.0	12.0	7.0	2.35	100.0	40.0	HM		"	"	"
90.351257	"	171784	A	12.0	12.0	7.0	2.35	100.0	40.0	HM		"	"	"
90.351258	P16	123573	B	18.0	12.0	9.0	4.35	67.4	21.0	Stahl		P16	143158	111656
90.351259	"	123577	B	18.0	12.0	9.0	4.35	67.4	21.0	HM		"	"	"
90.351260	"	171787	A	18.0	12.0	9.0	4.35	67.4	21.0	HM		"	"	"
90.351261	"	123580	B	18.0	12.0	9.0	4.35	82.4	36.0	HM		"	"	"
90.351262	"	171789	A	18.0	12.0	9.0	4.35	82.4	36.0	HM		"	"	"
90.351263	"	123584	A	18.0	12.0	9.0	4.35	100.0	30.0	HM		"	"	"
90.351820		123588	A	18.0	12.0	12.0	2.85	82.4	-	HM				
90.351264	"	123590	A	18.0	12.0	12.0	2.85	122.5	-	HM		"	"	"
90.351265	P20	123615	B	22.0	16.0	11.5	5.10	80.0	30.0	Stahl		P20	107597	111671
90.351266	"	123616	B	22.0	16.0	11.5	5.10	80.0	30.0	HM		"	"	"
90.351267	"	171794	A	22.0	16.0	11.5	5.10	80.0	30.0	HM		"	"	"
90.351268	"	123617	B	22.0	16.0	11.5	5.10	100.0	50.0	HM		"	"	"
90.351269	"	171796	A	22.0	16.0	11.5	5.10	100.0	50.0	HM		"	"	"
90.351821		174314	A	22.0	16.0	15.5	3.10	105.5	21.0	HM				
90.351270	P25	123592	B	28.0	16.0	13.6	7.05	79.6	30.5	Stahl		P25	107529	111594
90.351271	"	123598	B	28.0	16.0	13.6	7.05	79.6	30.5	HM		"	"	"
90.351272	"	171855	A	28.0	16.0	13.6	7.05	79.6	30.5	HM		"	"	"
90.351273	"	123600	B	28.0	16.0	13.6	7.05	94.6	45.5	HM		"	"	"
90.351274	"	171857	A	28.0	16.0	13.6	7.05	94.6	45.5	HM		"	"	"
90.351275	"	123603	B	28.0	16.0	13.6	7.05	109.6	60.5	HM		"	"	"
90.351276	"	171859	A	28.0	16.0	13.6	7.05	109.6	60.5	HM		"	"	"
90.351277	"	123609	A	28.0	16.0	15.5	6.10	105.0	21.5	HM		"	"	"
90.351278	"	123611	A	28.0	16.0	15.5	6.10	149.5	21.5	HM		"	"	"
90.351279	"	123613	A	28.0	20.0	15.5	6.10	178.5	21.5	HM		"	"	"

Poly-Fräser



Art.-Nr.	Typ	Bestell-Nr.	kleinster Bohr-Ø	Dmax mm	d1 mm	d2 mm	Smax mm	L mm	L1 mm	G	Preis		
90.351834	P12	177676	12.0	11.7	9.5	-	1.1	13.5	-	M5	107596	111656	
90.351280	P16	123586	18.0	17.7	9.0	14.4	4.35	29.5	19.5	M8	143158	111656	
90.351835	P16	177683	18.0	17.7	9.5	-	4.1	18.5	-	M5	143158	111656	
90.351836	P16	177698	18.0	17.7	11.0	-	3.35	18.5	-	M6	143158	111656	
90.351281	P20	123618	22.0	21.7	11.5	18.0	5.1	35.0	25.0	M10	107597	111671	
90.351837	P20	177734	22.0	21.7	11.5	-	5.1	20.5	-	M6	107597	111671	
90.351838	P20	177735	22.0	21.7	13.5	-	4.1	20.5	-	M8	107597	111671	
90.351282	P25	123605	27.0	27.7	13.6	22.5	7.05	42.5	29.5	M12	107529	111594	
90.351839	P25	177747	27.0	27.7	13.6	-	7.05	22.6	-	M8	107529	111594	
90.351840	P25	177767	27.0	27.7	18.0	-	4.85	22.6	-	M10	107529	111594	

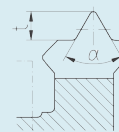
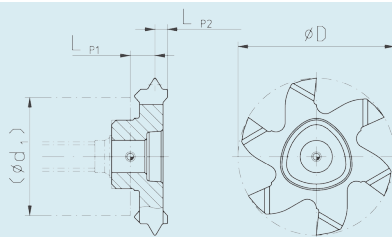
PolyMill Fräser



				kleinster Bohr-Ø								
Art.-Nr.	Typ	Bestell- Nr.	Form		Dmax mm	dg6 mm	d1 mm	Smax mm	L mm	L1 mm	Preis	
90.351822	P12	177170	A	12.0	11.7	10.0	7.0	2.35	54.0	8.0	107596	111656
90.351823	P12	177172	ER 16	12.0	11.7		7.0	2.35	37.5	8.0	107596	111656
90.351824	P12	177173	ER 20	12.0	11.7		7.0	2.35	47.0	13.0	107596	111656
90.351825	P16	177174	A	18.0	17.7	10.0	9.0	4.35	60.0	11.0	143158	111656
90.351826	P16	177176	ER 16	18.0	17.7		9.0	4.35	41.4	11.0	143158	111656
90.351827	P16	177177	ER 20	18.0	17.7		9.0	4.35	51.0	16.0	143158	111656
90.351828	P20	177178	A	22.0	21.7	12.0	11.5	5.1	62.4	14.4	107597	111671
90.351829	P20	177180	ER 20	22.0	21.7		11.5	5.1	49.5	14.5	107597	111671
90.351830	P20	177181	ER 25	22.0	21.7		11.5	5.1	56.0	19.4	107597	111671
90.351831	P25	177182	A	28.0	27.7	16.0	13.6	7.05	69.6	20.4	107529	111594
90.351832	P25	177184	ER 25	28.0	27.7		13.6	7.05	56.0	19.4	107529	111594
90.351833	P25	177185	ER 32	28.0	27.7		13.6	7.05	73.0	30.4	107529	111594

Gewinde

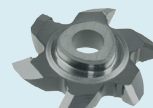
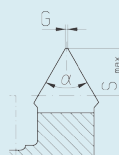
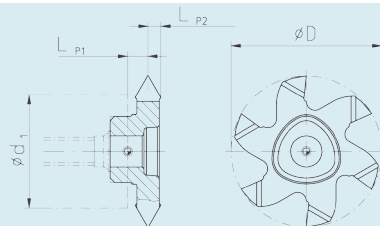
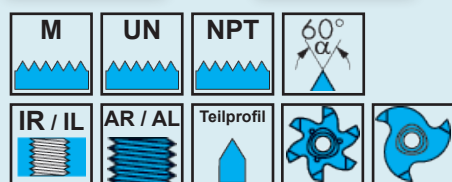
Vollprofil



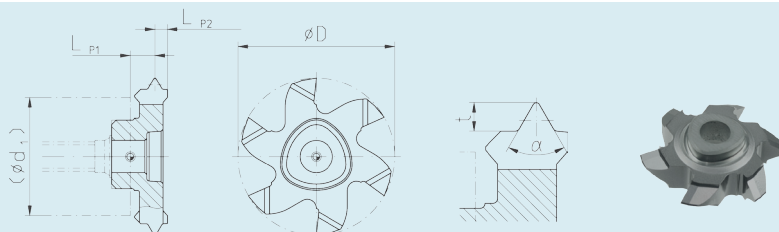
Art.-Nr.	Bestell-Nr.	Typ	Steigung mm	D mm	LP1 mm	LP2 mm	t mm	Gewinde	Zähnezahl	Preis
90.351401	171875	P1210	1.00	9.6	2.65	0.80	0.572	M14x1	3	
90.351402	171876	P1210	1.50	9.6	2.50	0.95	0.875	M16x1.5	3	
90.351841	175479	P1210	1.75	9.6	2.25	1.20	1.010	nur M12	3	
90.351842	160857	P1211	2.00	10.5	2.25	1.20	1.127	M14/M16	3	
90.351403	171877	P1211	2.00	10.5	2.25	1.20	1.157	M20x2	3	
90.351843	107240	P1616	1.00	16.0	2.80	1.03	0.572	M20x1	6	
90.351404	142569	P1616	1.50	16.0	2.55	1.28	0.864	M24x1.5	6	
90.351405	142570	P1616	2.00	16.0	2.05	1.78	1.159	M26x2	6	
90.351406	142543	P1616	2.50	16.0	2.05	1.78	1.444	M30x2.5	6	
90.351407	142534	P1616	2.50	16.0	2.05	0.78	1.444	nur M20	6	
90.351408	142575	P1616	3.00	16.0	3.05	1.78	1.702	M32x3	6	
90.351409	168683	P2020	1.50	20.0	2.55	1.28	0.875	M26x1.5	6	
90.351410	168684	P2020	2.00	20.0	2.55	1.28	1.157	M30x2	6	
90.351411	168685	P2020	3.00	20.0	2.15	1.68	1.745	nur M24	6	
90.351415	142671	P2524	3.50	24.0	2.75	1.08	2.023	nur M30	6	
90.351412	142617	P2526	1.50	26.0	1.85	1.98	0.864	M34x1.5	6	
90.351413	142644	P2526	2.00	26.0	2.55	1.28	1.159	M38x2	6	
90.351414	142599	P2526	3.00	26.0	2.95	0.88	1.728	M45x3	6	
90.351416	142623	P2526	3.50	26.0	2.90	1.93	2.023	M50x3.5	6	
90.351417	142624	P2526	4.00	26.0	2.90	1.93	2.262	M52x4	6	
90.351418	169675	P2526	4.00	26.0	2.65	2.18	2.262	nur M36	6	
90.351419	142638	P2526	4.50	26.0	2.65	2.18	2.602	M56x4.5	6	
90.351420	107275	P2526	5.00	26.0	3.85	3.48	2.836	M62x5	6	
90.352627	161786	P2526	5.50	26.0	3.85	3.48	3.182	M68x5.5	6	
90.352617	175645	P2526	6.00	26.0	3.85	3.48	3.467	M72x6	6	

Gewinde

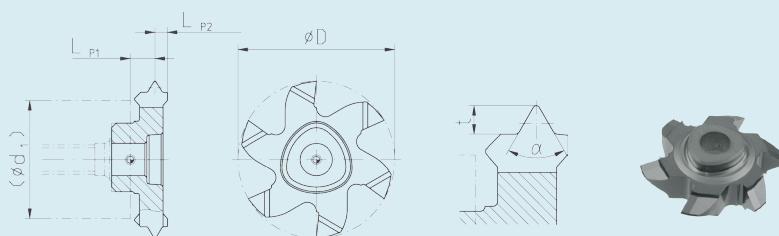
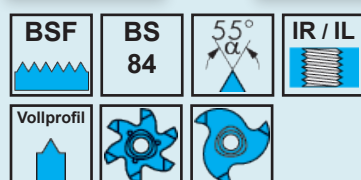
Teilprofil



Art.-Nr.	Bestell-Nr.	Typ	Steigung mm	D mm	LP1 mm	LP2 mm	G mm	Zähnezahl	Preis
90.351421	171911	P1212	1-3	11.7	2.125	1.33	0.10	3	
90.351422	142580	P1616	1-4	16.0	2.70	1.68	0.10	6	
90.351423	142544	P1616	2.5-4	16.0	2.70	1.68	0.25	6	
90.351424	171954	P1618	1-3	17.7	2.70	1.05	0.10	6	
90.351425	168686	P2020	1-3	20.0	2.15	1.68	0.10	6	
90.351426	171972	P2022	1-2	21.7	4.15	1.00	0.10	6	
90.351427	171973	P2022	2-4	21.7	2.95	1.80	0.15	6	
90.351428	142647	P2526	1-3	26.0	2.75	2.08	0.10	6	
90.351429	142592	P2526	2.5-5	26.0	2.65	2.18	0.25	6	
90.352607	175936	P2526	3.5-6	26.0	3.85	0.70	0.40	6	

Gewinde
Vollprofil


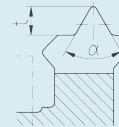
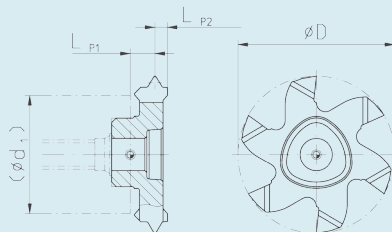
Art.-Nr.	Bestell-Nr.	Typ	Gang/°	D mm	LP1 mm	LP2 mm	t mm	Gewinde	Zähnezahl	Preis
90.351844	162119	P1210	12	10.0	2.25	1.1	1.371	BSW 9/16"	3	
90.351845	160998	P1210	11	10.4	2.15	1.5	1.494	BSW 5/8"+11/16"	3	
90.351846	160663	P1212	10	11.7	2.20	1.4	1.728	BSW 3/4"+13/16"	3	
90.351847	160940	P1616	9	16.0	2.10	1.675	1.622	BSW 7/8"+15/16"	6	
90.351848	161053	P1616	8	16.0	2.10	1.675	1.83	BSW 1"	6	
90.351849	161166	P1616	7	16.0	2.65	2.125	2.098	BSW 1 1/8"+1 1/4"	6	
90.351850	162371	P1616	6	16.0	3.175	2.7	2.455	BSW 1 3/8"+1 1/2"	6	
90.351851	160959	P2020	7	20.0	2.70	2.225	2.098	BSW 1 1/8"+1 1/4"	6	
90.351852	161270	P2020	6	20.0	3.15	2.675	2.455	BSW 1 3/8"+1 1/2"	6	
90.351853	161466	P2524	6	24.0	4.40	2.675	2.455	BSW 1 3/8"	6	
90.351854	162615	P2524	6	24.0	4.40	2.675	2.455	BSW 1 1/2"	6	
90.352608	161100	P2524	5	24.0	3.90	2.875	2.955	BSW 1 5/8"+1 3/4"	6	

Gewinde
Vollprofil


Art.-Nr.	Bestell-Nr.	Typ	Gang/°	D mm	LP1 mm	LP2 mm	t mm	Gewinde	Zähnezahl	Preis
90.351855	160930	P1210	14	9.6	2.25	1.1	1.177	BSF 5/8"+11/16"	3	
90.351856	161623	P1210	12	10.0	2.25	1.1	1.371	BSF 3/4"+13/16"	3	
90.351857	160951	P1210	11	10.4	2.15	1.5	1.494	BSF 7/8"	3	
90.351846	160663	P1212	10	11.7	2.20	1.4	1.728	BSF 1"	3	
90.351858	160989	P1216	9	16.0	2.10	1.675	1.622	BSF 1 1/8"+1 1/4"	6	
90.351859	162077	P1216	8	16.0	2.10	1.675	1.83	BSF 1 3/8"-1 5/8"	6	
90.351860	160960	P1216	7	16.0	2.65	2.125	2.098	BSF 1 3/4"+2"	6	
90.351861	162305	P1216	6	16.0	3.175	2.7	2.455	BSF 2 1/4"-2 3/4"	6	
90.351862	161089	P2020	8	20.0	2.15	1.675	1.83	BSF 1 3/8"-1 5/8"	6	
90.351863	161341	P2020	7	20.0	2.70	2.225	2.098	BSF 1 3/4"+2"	6	
90.351864	160942	P2020	6	20.0	3.15	2.675	2.455	BSF 2 1/4"-2 3/4"	6	
90.351865	162051	P2524	8	24.0	2.10	1.675	1.83	BSF 1 3/8"-1 5/8"	6	
90.351866	161436	P2524	7	24.0	2.65	2.175	2.098	BSF 1 3/4"+2"	6	
90.351867	161887	P2524	6	24.0	4.40	2.675	2.455	BSF 2 1/4"-2 3/4"	6	
90.351868	161250	P2524	5	24.0	3.90	2.875	2.955	BSF 3"-3 1/4"	6	

Gewinde

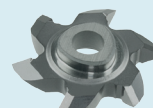
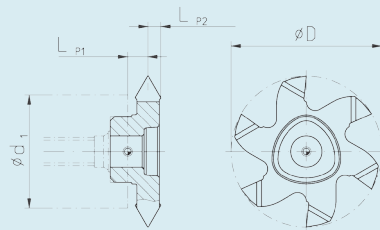
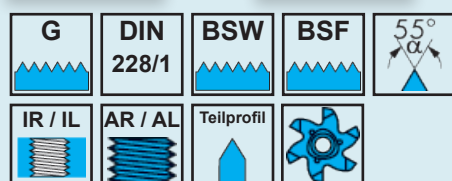
Vollprofil



Art.-Nr.	Bestell-Nr.	Typ	Gang/°	D mm	LP1 mm	LP2 mm	t mm	Gewinde	Zähnezahl	Preis
90.352609	160943	P1212	14	11.7	2.30	1.1	1.178	G 1/2"-G 7/8"	3	
90.351869	160967	P1212	12	11.7	2.25	1.4	1.374	BSW/BSF-12Gg	3	
90.351870	161112	P1212	11	11.7	2.25	1.4	1.498	BSW/BSF-11Gg	3	
90.351894	161112	P1212	11	11.7	2.25	1.2	1.498	G 1"-G 6"	3	
90.351871	161184	P1212	10	11.7	2.25	1.4	1.646	BSW/BSF-10Gg	3	
90.351446	142576	P1616	14	16	2.15	1.675	1.177	G 3/4"-G 7/8"	6	
90.351872	160947	P1616	12	16	2.15	1.675	1.374	BSW/BSF-12Gg	6	
90.351445	142549	P1616	11	16	2.75	2.075	1.478	G 1"-G 6"	6	
90.351447	167014	P1616	10	16	2.15	1.675	1.646	BSW/BSF-10Gg	6	
90.351873	160977	P1616	9	16	2.15	1.675	1.829	BSW/BSF-9Gg	6	
90.351874	161744	P1616	8	16	2.75	2.075	2.056	BSW/BSF-8Gg	6	
90.351875	162097	P1616	7	16	3.15	2.225	2.348	BSW/BSF-7Gg	6	
90.351876	162650	P1616	6	16	3.15	2.225	2.737	BSW/BSF-6Gg	6	
90.351450	168688	P2020	14	20	3.95	1.725	1.177	G 3/4"-G 7/8"	6	
90.351877	160963	P2020	12	20	2.10	1.725	1.374	BSW/BSF-12Gg	6	
90.351449	168687	P2020	11	20	3.95	1.725	1.478	G 1"-G 6"	6	
90.351878	160984	P2020	10	20	2.10	1.725	1.646	BSW/BSF-10Gg	6	
90.351879	160997	P2020	9	20	2.10	1.725	1.829	BSW/BSF-9Gg	6	
90.351880	161113	P2020	8	20	2.65	2.175	2.056	BSW/BSF-8Gg	6	
90.351881	161259	P2020	7	20	2.65	2.175	2.348	BSW/BSF-7Gg	6	
90.351882	161325	P2020	6	20	3.15	2.675	2.737	BSW/BSF-6Gg	6	
90.351885	161130	P2524	6	24	4.40	2.675	2.737	BSW/BSF-6Gg	6	
90.351886	161400	P2524	5	24	4.40	2.675	3.281	BSW/BSF-5Gg	6	
90.351451	142600	P2526	11	26	2.75	2.075	1.478	G 1 1/2"-G 6"	6	
90.351883	160949	P2526	8	26	2.60	2.175	2.056	BSW/BSF-8Gg	6	
90.351884	160950	P2526	7	26	2.60	2.175	2.348	BSW/BSF-7Gg	6	

Gewinde

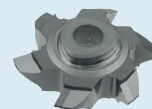
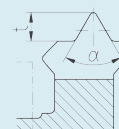
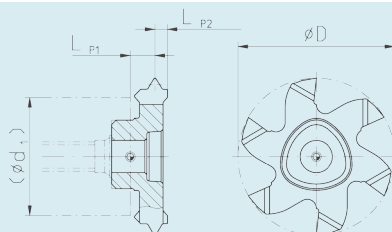
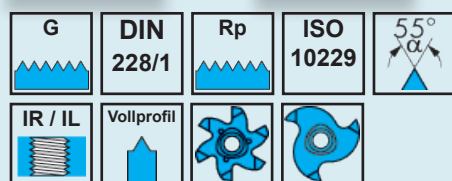
Teilprofil



Art.-Nr.	Bestell-Nr.	Typ	Gang/°	D mm	LP1 mm	LP2 mm	r mm	Smax mm	Zähnezahl	Preis
90.351887	173906	P1616	14-8	16.0	2.75	1.625	0.35	2.5	6	
90.351888	177427	P2526	8-4	26.0	2.65	2.175	0.60	2.8	6	

Gewinde

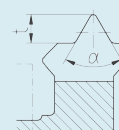
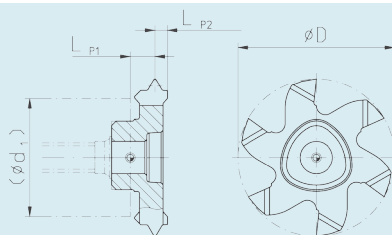
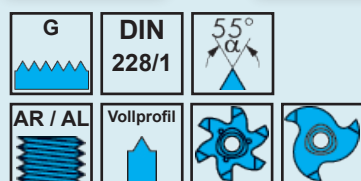
Vollprofil



Art.-Nr.	Bestell-Nr.	Typ	Gang/“	D mm	LP1 mm	LP2 mm	t mm	Gewinde	Zähne- zahl	Preis
90.351889	160952	P1210	19	9.6	2.25	1.2	0.871	G 1/4"	3	
90.351444	171912	P1210	19	9.6	2.25	1.2	0.871	G 3/8"	3	
90.351890	160970	P1212	14	11.7	2.25	1.2	1.177	G 1/2"-G 7/8"	3	
90.351891	160996	P1212	11	11.7	2.15	1.5	1.319	G 1"-G 6"	3	
90.351892	160620	P1616	14	16	2.15	1.675	1.177	G 1/2"-G 5/8"	6	
90.351893	160980	P2526	11	26	2.75	2.075	1.478	G 1"-G 1 1/4"	6	

Gewinde

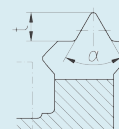
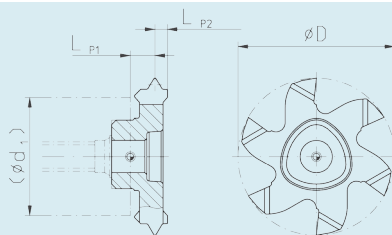
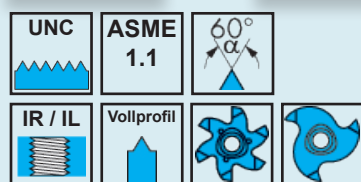
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Art.-Nr.	Bestell-Nr.	Typ	Gang/“	D mm	LP1 mm	LP2 mm	t mm	Gewinde	Zähne- zahl	Preis
90.351894	161112	P1212	11	11.7	2.25	1.2	1.498	G 1"-G 6"	3	
90.351448	171949	P1618	14	17.7	3.15	0.95	1.177	G 1/2"-G 7/8"	6	

Gewinde

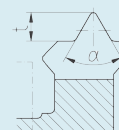
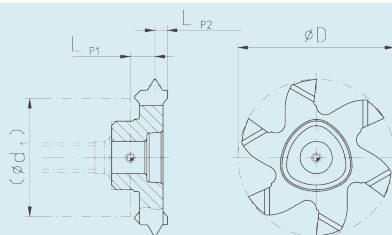
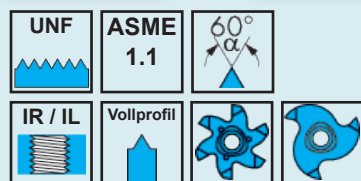
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Art.-Nr.	Bestell-Nr.	Typ	Gang/“	D mm	LP1 mm	LP2 mm	t mm	Gewinde	Zähnezahl	Preis
90.351430	171883	P1210	12	10.0	2.25	1.2	1.29	UNC 12	3	
90.351431	171880	P1211	11	10.5	2.13	1.52	1.35	UNC 11	3	
90.351432	171879	P1212	10	11.7	2.13	1.52	1.485	UNC 10	3	
90.351433	172148	P1616	9	16.0	2.05	1.775	1.577	UNC 9	6	
90.351434	172149	P2018	8	18.0	2.65	2.175	1.809	UNC 8	6	
90.351435	172150	P2020	7	20.0	2.65	2.175	2.043	UNC 7	6	
90.351436	172151	P2524	6	24.0	4.05	3.275	2.454	UNC 6	6	
90.351437	172152	P2526	5	26.0	3.85	3.475	2.979	UNC 5	6	
90.351438	172153	P2526	4.5	26.0	3.85	3.475	3.289	UNC 4 1/2	6	

Gewinde

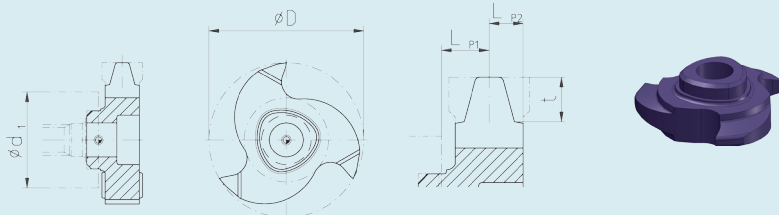
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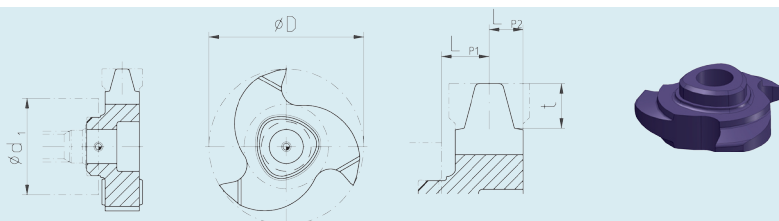
Art.-Nr.	Bestell-Nr.	Typ	Gang/“	D mm	LP1 mm	LP2 mm	t mm	Gewinde	Zähnezahl	Preis
90.351439	171884	P1210	20	9.6	2.5	0.95	0.733	UNF 1/2-20	3	
90.351440	171885	P1211	18	10.5	2.5	0.95	0.827	UNF 9/16-18	3	
90.351441	171900	P1212	16	11.7	2.5	0.95	0.945	UNF 3/4-16	3	
90.351442	171950	P1618	14	17.7	3.15	0.95	1.071	UNF 7/8-14	6	
90.351443	171951	P2020	12	20.0	2.15	1.675	1.228	UNF 1-12	6	

Gewinde

Vollprofil



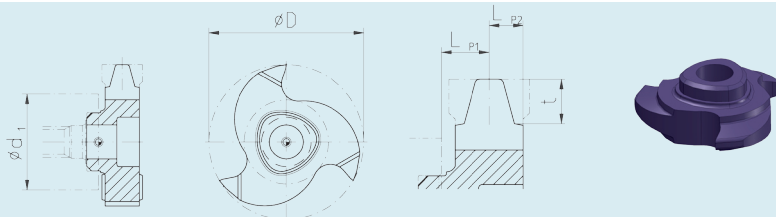
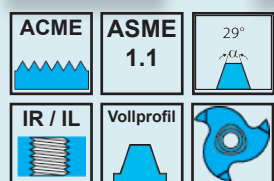
Art.-Nr.	Bestell-Nr.	Typ	Steigung mm	D mm	LP1 mm	LP2 mm	t mm	Gewinde	Zähnezahl	Preis
90.351895	177717	P1212	2.0	11.7	2.50	1.1	1.25	Tr 16x2-Tr 20x2	3	
90.351896	160862	P1211	3.0	11.0	2.23	1.42	1.75	Tr 18x3-Tr 20x3	3	
90.351897	160308	P1212	4.0	12.0	2.15	1.5	2.25	Tr 20x4	3	
90.351898	162630	P1614	3.0	14.0	2.30	1.5	1.75	Tr 24x3-Tr 32x3	3	
90.351899	166213	P1615	5.0	15.0	3.15	2.1	2.75	Tr 26x5	3	
90.351900	150365	P1615	5.0	15.0	3.15	2.1	2.75	Tr 28x5	3	
90.351901	182498	P1616	6.0	16.2	4.27	3.0	3.25	Tr 30x6-Tr 32x6	3	
90.351902	161736	P1616	6.0	16.2	4.22	3.03	3.25	Tr 34x6-Tr 42x6	3	
90.351903	160872	P2525	5.0	25.0	3.20	2.37	2.75	Tr 44x5-Tr 48x5	3	
90.351904	162648	P2522	7.0	22.0	4.00	2.65	3.75	Tr 38x7-Tr 42x7	3	
90.351905	161111	P2522	7.0	22.0	4.00	2.65	3.75	Tr 44x7	3	
90.351906	162257	P2525	8.0	25.0	4.75	3.4	4.25	Tr 46x8-Tr 48x8	3	
90.351907	110966	P2525	8.0	25.0	5.03	3.13	4.25	Tr 50x8-Tr 52x8	3	
90.351908	160869	P2525	9.0	25.0	4.73	3.42	4.75	Tr 55x9-Tr 60x9	3	
90.351909	167236	P2525	10.0	25.0	4.65	3.5	5.25	Tr 65x10-Tr 80x10	3	



Art.-Nr.	Bestell-Nr.	Typ	Steigung mm	D mm	LP1 mm	LP2 mm	t mm	Gewinde	Zähnezahl	Preis
90.351910	a.A.	P1212	1.5	11.7			0.90		3	
90.351911	a.A.	P1212	2.0	11.7			1.25		3	
90.351912	a.A.	P1211	3.0	11.7			1.75		3	
90.351913	a.A.	P1212	4.0	11.7			2.25		3	
90.351914	a.A.	P1616	3.0	16.0			1.75		3 / 6	
90.351915	a.A.	P1616	4.0	16.0			2.25		3 / 6	
90.351916	a.A.	P1616	5.0	16.0			2.75		3 / 6	
90.351917	a.A.	P1616	6.0	16.0			3.25		3 / 6	
90.351918	a.A.	P2525	4.0	25 / 26			2.25		3 / 6	
90.351919	a.A.	P2525	5.0	25 / 26			2.75		3 / 6	
90.351920	a.A.	P2525	6.0	25 / 26			3.75		3 / 6	
90.351921	a.A.	P2525	7.0	25 / 26			3.75		3 / 6	
90.351922	a.A.	P2525	8.0	25 / 26			4.25		3 / 6	
90.351923	a.A.	P2525	9.0	25 / 26			4.75		3 / 6	
90.351924	a.A.	P2525	10.0	25 / 26			5.25		3 / 6	

Gewinde

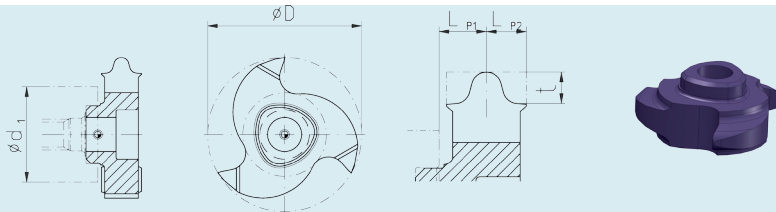
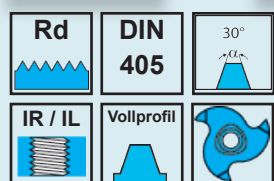
Vollprofil



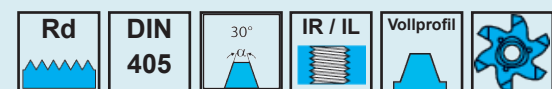
Art.-Nr.	Bestell-Nr.	Typ	Steigung mm	Gang/ Zoll	D mm	LP1 mm	LP2 mm	t mm	Gewinde	Zähne- zahl	Preis
90.351925	182614	P1616	5.08	5	16.0	3.02	2.23	1.52	1"-5Gg-1 1/8"-5Gg	3	
90.351926	172556	P1616	6.35	4	16.0	4.04	3.21	1.9	1 1/4"-4Gg-1 1/2"-4Gg	3	
90.351927	162654	P2524	6.35	4	24.0	3.90	2.75	1.9	1 3/4"-4Gg-2"-4Gg	3	
90.351928	161935	P2525	8.467	3	25.0	4.65	3.5	2.54	2 1/4"-3Gg-2 3/4"-3Gg	3	

Gewinde

Vollprofil



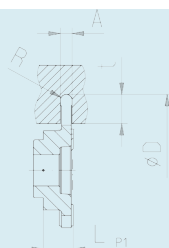
Art.-Nr.	Bestell-Nr.	Typ	Steigung mm	Gang/ Zoll	D mm	LP1 mm	LP2 mm	t mm	Gewinde	Zähne- zahl	Preis
90.351929	174442	P1613	3.175	8	13.0	3.15	2.1	1.588	Rd20x1/8	3	
90.351930	161424	P1614	3.175	8	14.0	3.15	2.1	1.588	Rd22x1/8	3	
90.351931	161156	P1616	3.175	8	15.0	2.40	1.9	1.588	Rd24x1/8-Rd26x1/8	3	
90.351932	174421	P1616	3.175	8	16.0	2.40	1.9	1.588	Rd28x1/8-Rd32x1/8	3	
90.351933	162544	P1616	3.175	8	16.0	2.40	1.9	1.588	Rd34x1/8-Rd38x1/8	3	
90.351934	160954	P1616	4.233	6	16.0	3.15	2.575	2.117	Rd40x1/6-Rd55x1/6	3	
90.351935	161067	P1616	4.233	6	16.0	3.15	2.575	2.117	Rd58x1/6-Rd80x1/6	3	
90.351936	161110	P1616	4.233	6	16.0	3.15	2.575	2.117	Rd82x1/6-Rd100x1/6	3	
90.351937	160995	P1616	6.35	4	16.0	4.15	3.125	3.175	Rd105x1/4-Rd200x1/4	3	



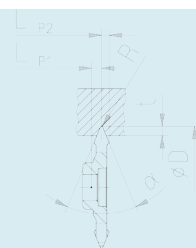
90.351938	175137	P1616	3.175	8	16.0	2.65	2.0	1.588	Rd28x1/8	6	
90.351939	172430	P2526	4.233	6	26.0	3.85	3.4	2.117	Rd65x1/6	6	
90.351940	168288	P2526	6.35	4	26.0	3.85	3.4	3.175	Rd105x1/4-Rd120x1/4	6	

Kerbschlag Biegeversuch

U-Probe



V-Probe

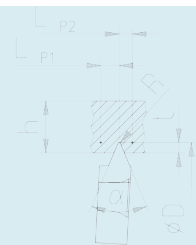


Art.-Nr.	Bestell-Nr.	Typ	A mm	R	a	LP1 mm	LP2 mm	t mm	Kerbform	Zähnezahl	Preis
90.351293	171975	P2022	2.0	1.0	-	4.9	0	3	U-DVM	6	
90.351941	175889	P2022	1.5	0.75	-	4.9	0	2	U-DVMK	6	
90.351942	182208	P2020	-	0.25	45°	2.15	1.675	2	V	6	
90.351943	160808	P2020	-	0.1	60°	2.15	1.675	1	V-KLST	6	
90.352610	160909	P2526	2.0	1.0	-	4.9	0	5	U	6	
90.352610	160909	P2526	2.0	1.0	-	4.9	0	3	U-DVM	6	
90.351944	162057	P2526	1.5	0.75	-	4.9	0	2	U-DVMK	6	
90.351945	180815	P2526	-	0.25	45°	2.1	1.7	2	V	6	
90.351946	184126	P2526	-	0.1	60°	2.7	1.8	1	V-KLST	6	

U-Probe

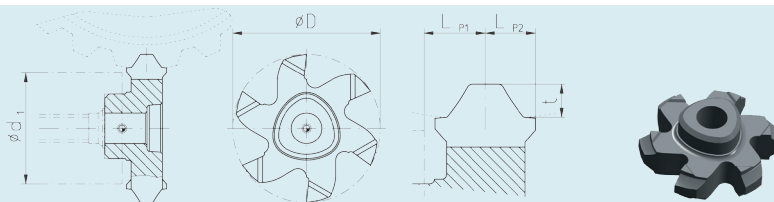


V-Probe



Art.-Nr.	Bestell-Nr.	Typ	A mm	R	a	LP1 mm	LP2 mm	t mm	Kerbform	Zähnezahl	Preis
90.354153	160730	013	2.0	1.0	-	5.2	1.33	5.0	U	3	
90.354221	185159	013	2.0	1.0	-	6.53	0	3.0	U-DVM	3	
90.354152	162406	013	1.5	0.75	-	6.53	0	2.0	U-DVMK	3	
90.354222	184439	013	-	0.25	45°	3.53	3	2.0	V	3	
90.354223	161407	013	-	0.1	60°	2.73	3.8	1.0	V-KLST	3	

Verzahnung



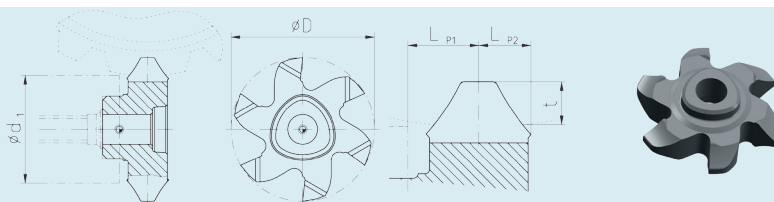
Zahnwellen-Verbindung

Art.-Nr.	Bestell-Nr.	Typ	Welle	Modul	Eingriffs-winkel	Z-Zahl-Welle	D mm	LP1 mm	LP2 mm	t mm	Zähne-zahl	Preis
90.351947	184142	P1616	W9	0.8	30°	10	15.0	2.05	1.775	0.71	6	
90.351948	174569	P1616	W11	0.8	30°	12	15.85	2.05	1.775	0.8	6	
90.351949	169336	P1616	W14	0.8	30°	16	16.0	2.05	1.775	0.8	6	
90.351950	169090	P1616	W16	0.8	30°	18	16.0	2.05	1.775	0.8	6	
90.351951	168668	P1616	W20	0.8	30°	24	16.0	2.05	1.775	0.8	6	
90.351952	182361	P1616	W20	1.25	30°	14	16.0	2.65	2.175	1.45	6	
90.351953	169340	P1616	W24	1.25	30°	18	16.0	2.55	2.275	1.25	6	
90.351954	185309	P1616	W25	1	30°	24	16.0	2.15	1.675	0.95	6	
90.351955	149415	P1616	W25	2	30°	11	16.0	4.15	3.3	2.0	6	
90.351956	176246	P1616	W30	1.25	30°	22	16.0	2.55	2.275	1.25	6	
90.351957	187145	P1616	W31	0.8	30°	37	16.0	2.15	1.675	0.78	6	
90.351958	185305	P1616	W32	1.25	30°	24	16.0	2.65	2.175	1.19	6	
90.351959	188287	P1616	W35	0.8	30°	42	16.0	2.15	1.675	0.78	6	
90.351960	186028	P1616	W35	1.5	30°	22	16.0	2.65	2.175	1.43	6	
90.351961	179140	P1616	W35	2	30°	16	16.0	3.05	2.775	2.0	6	
90.351962	187909	P1616	W40	1	30°	38	16.0	2.08	1.75	0.96	6	
90.351963	179651	P1616	W42	1.25	30°	32	16.0	2.55	2.275	1.25	6	
90.351964	181902	P1616	W50	1	30°	48	16.0	2.65	2.175	1.25	6	
90.351965	169687	P1616	W50	2	30°	24	16.0	3.05	2.775	2.0	6	
90.351966	185304	P1616	W52	1.25	30°	40	16.0	2.65	2.175	1.21	6	
90.351967	187910	P1616	W55	1	30°	54	16.0	2.08	1.75	0.97	6	
90.351968	188163	P2526	W25	1.25	30°	18	26.0	2.65	2.175	1.28	6	
90.351969	187574	P2526	W30	2	30°	13	26.0	3.9	3.425	1.76	6	
90.351970	187997	P2526	W38	2	30°	18	26.0	3.9	3.425	2.21	6	
90.351971	187575	P2526	W40	2	30°	18	26.0	3.9	3.425	1.86	6	
90.351972	187576	P2526	W45	2	30°	21	26.0	3.9	3.425	1.9	6	
90.351973	169786	P2526	W50	2	30°	24	26.0	3.85	3.475	2.0	6	
90.351974	160321	P2526	W72	2	30°	34	26.0	3.85	3.475	1.92	6	
90.351975	160323	P2526	W80	2.5	30°	30	26.0	3.85	3.475	2.39	6	
90.351976	160322	P2526	W90	2	30°	44	26.0	3.85	3.475	1.94	6	

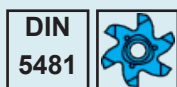
Verzahnung



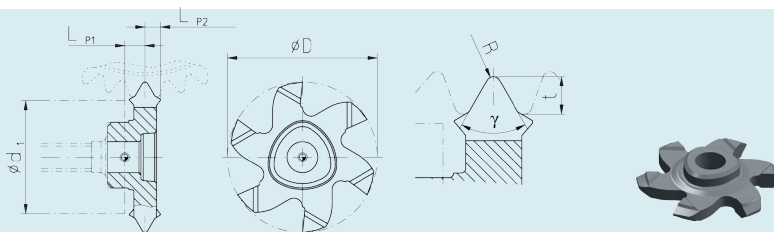
Zahnwellen-Profil



Art.-Nr.	Bestell-Nr.	Typ	Profil	Modul	Eingriffs-winkel	Zähnezahl Welle	D mm	LP1 mm	LP2 mm	t mm	Zähne-zahl	Preis
90.351979	169337	P1616	B 15x12	1.6	30°	8	16.0	3.05	2.775	1.5	6	
90.351980	169111	P1616	B 17x14	1.6	30°	9	16.0	3.05	2.775	1.5	6	
90.351981	169101	P1616	B 20x17	1.6	30°	12	16.0	3.05	2.775	1.5	6	
90.351982	169107	P1616	B 25x22	1.6	30°	14	16.0	3.05	2.775	1.65	6	
90.351983	186842	P1616	B 40x36	1.9	30°	20	16.0	3.175	2.65	1.91	6	
90.351984	178172	P2526	B 35x31	1.75	30°	18	26.0	3.85	3.475	2.0	6	
90.351985	186398	P2526	B 38x34	1.9	30°	19	26.0	4.4	2.675	1.91	6	
90.351986	179212	P2526	B 45x41	2	30°	22	26.0	3.85	3.475	1.91	6	
90.351987	173903	P2526	B 55x50	2	30°	26	26.0	3.85	3.475	2.75	6	

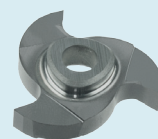
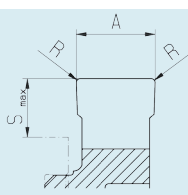
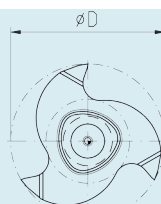
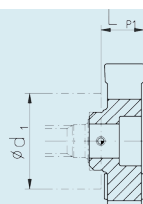
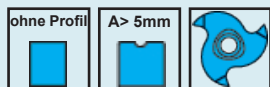


Kerbverzahnung



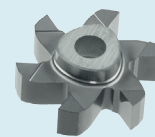
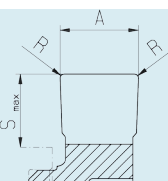
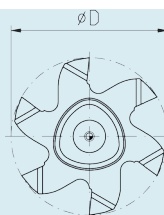
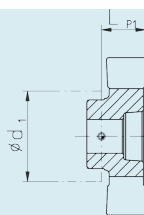
Art.-Nr.	Bestell-Nr.	Typ	Welle	R mm	Lücken-Winkel y	Z-Zahl Welle	D mm	LP1 mm	LP2 mm	t mm	Zähne-zahl	Preis
90.351977	171358	P2526	26x30	0.3	60°	35	26.0	2.15	2.675	1.638	6	
90.351978	171359	P2526	40x44	0.4	60°	38	26.0	2.15	2.675	1.94	6	

Nutfräsen



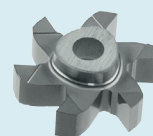
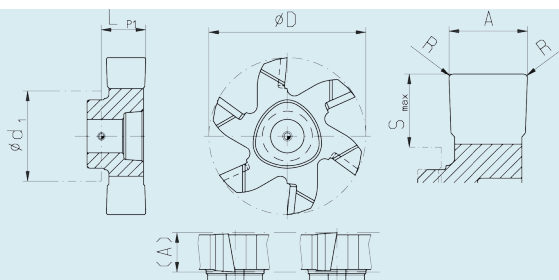
Art.-Nr.	Bestell-Nr.	Typ	A mm	D mm	α°	R mm	LP1 mm	LP2 mm	Smax mm	Zähnezahl	Preis
90.351777	171915	P1210	0.74	9.6	6°	0.1	3.25	0.1	1.2	3	
90.351778	171916	P1210	0.84	9.6	6°	0.1	3.25	0.1	1.2	3	
90.351779	171917	P1210	1.0	9.6	6°	0.1	3.25	0.1	1.2	3	
90.351780	171918	P1210	1.2	9.6	6°	0.1	3.25	0.1	1.2	3	
90.351781	171919	P1210	1.4	9.6	6°	0.1	3.25	0.1	1.2	3	
90.351782	171920	P1210	1.5	9.6	6°	0.1	3.25	0.1	1.2	3	
90.351988	173937	P1210	1.575	9.6	6°	0.1	3.25	0.1	1.2	3	
90.351783	171921	P1210	1.7	9.6	6°	0.1	3.25	0.1	1.2	3	
90.351784	171922	P1210	2.0	9.6	6°	0.1	3.75	-	1.2	3	
90.351785	171923	P1210	2.5	9.6	6°	0.1	3.75	-	1.2	3	
90.351297	171862	P1212	1.5	11.7	6°	0.1	3.4	-	2.25	3	
90.351298	171863	P1212	2.0	11.7	6°	0.15	3.4	-	2.25	3	
90.351299	171865	P1212	2.5	11.7	6°	0.15	3.4	-	2.25	3	
90.351300	171866	P1212	3.0	11.7	6°	0.15	3.55	-	2.25	3	
90.351786	173938	P1212	3.175	11.7	6°	0.15	3.75	-	2.25	3	
90.351301	142531	P1616	3.5	16.0	0°	0.15	4.15	-	3.5	3	
90.351302	142486	P1616	3.5	16.0	8°	0.15	4.15	-	3.5	3	
90.351303	142526	P1616	3.5	16.0	12°	0.15	4.15	-	3.5	3	
90.351304	142511	P1616	5.0	16.0	0°	0.15	5.65	-	3.5	3	
90.351305	142541	P1616	5.0	16.0	8°	0.15	5.65	-	3.5	3	
90.351306	142457	P1616	5.0	16.0	12°	0.15	5.65	-	3.5	3	
90.351216	142556	P2525	4.0	25.0	0°	0.15	4.65	-	5.7	3	
90.351217	142546	P2525	4.0	25.0	8°	0.15	4.65	-	5.7	3	
90.351218	142579	P2525	4.0	25.0	12°	0.15	4.65	-	5.7	3	
90.351219	142538	P2525	5.0	25.0	8°	0.15	5.75	-	5.7	3	
90.351989	160907	P2525	6.0	25.0	8°	0.15	6.9	-	5.7	3	
90.351787	173939	P2525	6.35	25.0	8°	0.15	7.15	-	5.7	3	
90.351220	142582	P2525	6.5	25.0	0°	0.15	7.15	-	5.7	3	
90.351221	142610	P2525	6.5	25.0	8°	0.15	7.15	-	5.7	3	
90.351222	142574	P2525	6.5	25.0	12°	0.15	7.15	-	5.7	3	
90.351223	142558	P2525	8.0	25.0	0°	0.15	8.65	-	5.7	3	
90.351224	142578	P2525	8.0	25.0	8°	0.15	8.65	-	5.7	3	
90.351225	142588	P2525	8.0	25.0	12°	0.15	8.65	-	5.7	3	

Nutfräsen



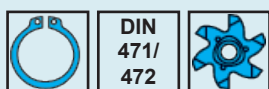
Art.-Nr.	Bestell-Nr.	Typ	A mm	D mm	α°	R mm	LP1 mm	Smax mm	Zähne- zahl	Preis
90.351333	142494	P1616	3.0	16.0	6°	0.15	3.53	3.5	6	
90.351788	173929	P1616	3.175	16.0	6°	0.05	3.74	3.5	6	
90.351334	142565	P1616	4.0	16.0	6°	0.15	4.65	3.5	6	
90.351335	142586	P1616	5.0	16.0	6°	0.15	5.65	3.5	6	
90.351789	171937	P1618	1.2	17.7	6°	0.10	4.0	4.0	6	
90.351790	171938	P1618	1.4	17.7	6°	0.10	4.0	4.0	6	
90.351336	171939	P1618	1.5	17.7	6°	0.10	3.9	4.0	6	
90.351791	173928	P1618	1.57	17.7	6°	0.10	3.9	4.0	6	
90.351792	171940	P1618	1.7	17.7	6°	0.10	4.0	4.0	6	
90.351337	171941	P1618	2.0	17.7	6°	0.10	3.9	4.0	6	
90.351793	171942	P1618	2.39	17.7	6°	0.15	4.0	4.0	6	
90.351338	171943	P1618	2.5	17.7	6°	0.15	3.9	4.0	6	
90.351339	168673	P2020	3.0	20.0	6°	0.15	3.65	4.2	6	
90.351340	168674	P2020	4.0	20.0	6°	0.15	4.65	4.2	6	
90.351341	142655	P2020	5.0	20.0	6°	0.15	5.65	4.2	6	
90.351794	171956	P2022	1.4	21.7	6°	0.10	5.0	5.0	6	
90.351342	171957	P2022	1.5	21.7	6°	0.10	5.0	5.0	6	
90.351795	173930	P2022	1.57	21.7	6°	0.10	5.0	5.0	6	
90.351796	171958	P2022	1.7	21.7	6°	0.10	5.0	5.0	6	
90.351343	171959	P2022	2.0	21.7	6°	0.10	5.0	5.0	6	
90.351797	171960	P2022	2.39	21.7	6°	0.15	5.0	5.0	6	
90.351344	171961	P2022	2.5	21.7	6°	0.15	5.0	5.0	6	
90.351345	171962	P2022	3.0	21.7	6°	0.15	5.0	5.0	6	
90.351798	171963	P2022	3.175	21.7	6°	0.15	5.0	5.0	6	
90.352611	182370	P2022	4.0	21.7	6°	0.15	5.0	5.0	6	
90.352612	187947	P2022	5.0	21.7	6°	0.15	6.0	5.0	6	
90.351346	142601	P2526	3.0	26.0	6°	0.15	3.65	6.2	6	
90.351799	173932	P2526	3.175	26.0	6°	0.15	3.7	6.2	6	
90.351347	142677	P2526	4.0	26.0	6°	0.15	4.65	6.2	6	
90.351348	142589	P2526	5.0	26.0	6°	0.15	6.9	6.2	6	
90.352613	162646	P2526	6.0	26.0	6°	0.15	7.15	6.2	6	
90.351800	173931	P2526	6.35	26.0	6°	0.15	6.95	6.2	6	
90.351349	142618	P2526	6.5	26.0	6°	0.15	7.15	6.2	6	
90.351350	171981	P2528	1.5	27.7	6°	0.10	4.9	6.8	6	
90.351351	171982	P2528	2.0	27.7	6°	0.10	4.9	6.8	6	
90.351801	171983	P2528	2.39	27.7	6°	0.15	4.9	6.8	6	
90.351352	171984	P2528	2.5	27.7	6°	0.15	4.9	6.8	6	
90.351353	171985	P2528	3.0	27.7	6°	0.15	4.9	6.8	6	
90.351802	171986	P2528	3.175	27.7	6°	0.15	5.0	6.8	6	

Nutfräsen kreuzverzahnt

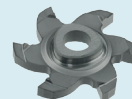
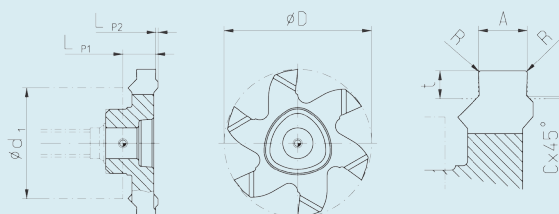


Art.-Nr.	Bestell-Nr.	Typ	A mm	D mm	α°	R mm	LP1 mm	Smax mm	Zähne- zahl	Preis
90.351803	171699	P1616	5.0	16.0	6°	0.15	5.65	3.5	6	
90.351804	171700	P2020	5.0	20.0	6°	0.15	5.65	4.2	6	
90.351805	163659	P2022	4.0	21.7	6°	0.15	5.0	5.0	6	
90.351990	187948	P2022	5.0	21.7	6°	0.15	6.0	5.0	6	
90.351806	171701	P2526	5.0	26.0	6°	0.15	6.9	6.2	6	
90.351807	171702	P2526	6.5	26.0	6°	0.15	7.15	6.2	6	
90.351808	177186	P2528	4.0	27.7	6°	0.15	5.9	6.8	6	
90.351809	177187	P2528	5.0	27.7	6°	0.15	5.9	6.8	6	

Sicherung



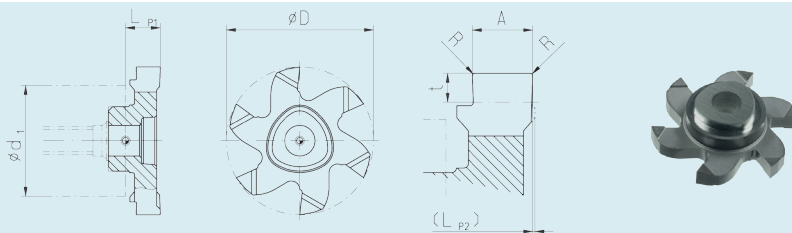
Mit Kantenbruch



Art.-Nr.	Bestell-Nr.	Typ	DIN Breite	D mm	$A_1^{+0.03}$	t mm	Cx45° mm	R mm	LP1 mm	LP2 mm	Zähne- zahl	Preis
90.351357	142423	P1616	1.10	16.0	1.18	0.50	0.10	0.05	3.15	0.675	6	
90.351358	142528	P1616	1.30	16.0	1.38	0.85	0.15	0.05	3.15	0.675	6	
90.351359	142561	P1616	1.60	16.0	1.68	1.00	0.15	0.1	3.15	0.675	6	
90.351360	142562	P1616	1.85	16.0	1.93	1.25	0.20	0.1	3.15	0.675	6	
90.351361	168675	P2020	1.10	20.0	1.18	0.50	0.10	0.05	3.15	0.675	6	
90.351362	168676	P2020	1.30	20.0	1.38	0.85	0.15	0.05	3.15	0.675	6	
90.351363	168677	P2020	1.60	20.0	1.68	1.00	0.15	0.1	3.15	0.675	6	
90.351364	168678	P2020	1.85	20.0	1.93	1.25	0.20	0.1	3.15	0.675	6	
90.351365	171968	P2022	1.60	21.7	1.68	1.00	0.15	0.1	4.7	0.450	6	
90.351366	171969	P2022	1.85	21.7	1.93	1.25	0.20	0.1	4.7	0.450	6	
90.351367	171970	P2022	2.15	21.7	2.23	1.50	0.20	0.1	4.7	0.450	6	
90.351368	171971	P2022	2.65	21.7	2.73	1.50	0.20	0.2	4.8	0.350	6	
90.351369	142646	P2526	1.30	26.0	1.38	0.85	0.15	0.05	3.4	0.425	6	
90.351370	142660	P2526	1.60	26.0	1.68	1.00	0.15	0.1	3.4	0.425	6	
90.351371	142607	P2526	1.85	26.0	1.93	1.25	0.20	0.1	3.4	0.425	6	
90.351372	142591	P2526	2.15	26.0	2.23	1.50	0.20	0.1	3.4	0.425	6	
90.351373	142597	P2526	2.65	26.0	2.73	1.75	0.20	0.2	4.25	0.575	6	
90.351374	142661	P2526	3.15	26.0	3.23	1.75	0.20	0.2	4.25	0.575	6	
90.351991	142622	P2526	4.15	26.0	4.23	2.00	0.20	0.2	6.415	0.560	6	
90.351992	160893	P2526	4.15	26.0	4.23	2.50	0.20	0.2	6.415	0.560	6	

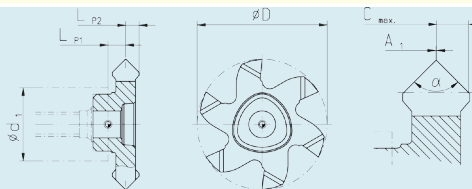
Sicherung

Ohne Kantenbruch



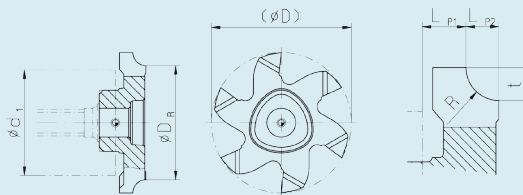
Art.-Nr.	Bestell-Nr.	Typ	DIN Breite	D mm	$A_{-0.03}^1$	t mm	R mm	LP1 mm	LP2 mm	Zähnezahl	Preis
90.351375	172125	P1210	0.90	9.6	0.98	1.20	0.05	3.25	0.1	3	
90.351376	171868	P1212	1.10	11.7	1.18	0.90	0.05	3.55	-	3	
90.351377	171869	P1212	1.30	11.7	1.38	1.10	0.05	3.55	-	3	
90.351378	171870	P1212	1.60	11.7	1.68	1.00	0.1	3.55	-	3	
90.351379	142548	P1616	1.10	16.0	1.18	0.90	0.05	3.45	-	6	
90.351380	142509	P1616	1.30	16.0	1.38	1.10	0.05	3.45	-	6	
90.351381	142533	P1616	1.60	16.0	1.68	1.25	0.1	3.45	-	6	
90.351382	142536	P1616	1.85	16.0	1.93	1.25	0.1	3.45	-	6	
90.351383	171945	P1618	1.10	17.7	1.18	0.90	0.05	4.00	-	6	
90.351384	171946	P1618	1.30	17.7	1.38	1.10	0.05	4.00	-	6	
90.351385	171947	P1618	1.60	17.7	1.68	1.25	0.1	3.90	-	6	
90.351386	171948	P1618	1.85	17.7	1.93	1.25	0.1	4.00	-	6	
90.351387	168679	P2020	1.10	20.0	1.18	0.90	0.05	3.65	-	6	
90.351388	168680	P2020	1.30	20.0	1.38	1.10	0.05	3.65	-	6	
90.351389	168681	P2020	1.60	20.0	1.68	1.25	0.1	3.65	-	6	
90.351390	168682	P2020	1.85	20.0	1.93	1.25	0.1	3.65	-	6	
90.351391	171964	P2022	1.60	21.7	1.68	1.25	0.1	5.00	-	6	
90.351392	171965	P2022	1.85	21.7	1.93	1.25	0.1	5.00	-	6	
90.351393	171966	P2022	2.15	21.7	2.23	1.75	0.1	5.00	-	6	
90.351394	171967	P2022	2.65	21.7	2.73	1.75	0.2	5.00	-	6	
90.351395	142598	P2526	1.30	26.0	1.38	1.10	0.05	3.65	-	6	
90.351396	142653	P2526	1.60	26.0	1.68	1.25	0.1	3.65	-	6	
90.351397	142616	P2526	1.85	26.0	1.93	1.25	0.1	3.65	-	6	
90.351398	142637	P2526	2.15	26.0	2.23	1.75	0.1	3.65	-	6	
90.351399	142662	P2526	2.65	26.0	2.73	1.75	0.2	3.65	-	6	
90.351400	142643	P2526	3.15	26.0	3.23	2.20	0.2	4.55	-	6	
90.351993	160906	P2526	4.15	26.0	4.23	2.50	0.2	6.80	-	6	

Entgraten



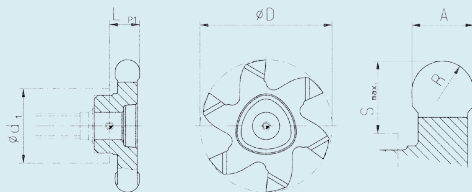
Art.-Nr.	Bestell-Nr.	Typ	D mm	A / P	$C_{max} \times 45^\circ$ mm	A_1 mm	LP1 mm	LP2 mm	Zähnezahl	Preis
90.351283	171914	P1210	9.6	90°	1.2	0.1	2.125	1.525	3	
90.351284	171913	P1212	11.7	90°	1.5	0.1	2.125	1.525	3	
90.351285	142521	P1616	16.0	90°	1.9	0.1	2.650	1.950	6	
90.351286	171955	P1618	17.7	90°	1.3	0.1	2.650	1.450	6	
90.351287	168689	P2020	20.0	90°	1.9	0.1	3.150	2.675	6	
90.351288	171979	P2022	21.7	90°	1.6	0.1	2.950	2.150	6	
90.351289	142676	P2526	26.0	90°	2.1	0.1	2.750	2.075	6	

konkave Form



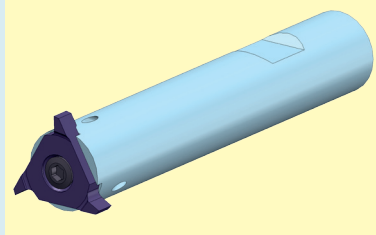
Art.-Nr.	Bestell-Nr.	Typ	D mm	DR mm	R mm	t mm	LP1 mm	LP2 mm	Zähne- zahl	Preis
90.351767	179425	P2526	26.0	25	0.5	0.5	3.15	0.5	6	
90.351768	179426	P2526	26.0	24	1.0	1.0	2.65	1.0	6	
90.351769	179427	P2526	26.0	23	1.5	1.5	3.15	1.5	6	
90.351770	177120	P2526	26.0	22	2.0	2.0	2.65	2.0	6	
90.351771	179428	P2526	26.0	21	2.5	2.5	2.15	2.5	6	
90.351772	177119	P2526	26.0	20	3.0	3.0	1.65	3.0	6	
90.351773	179690	P2526	26.0	18	4.0	4.0	2.55	4.0	6	
90.351774	179429	P2526	26.0	16	5.0	5.0	1.55	5.0	6	

konvexe Form

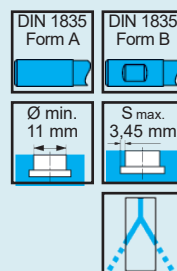
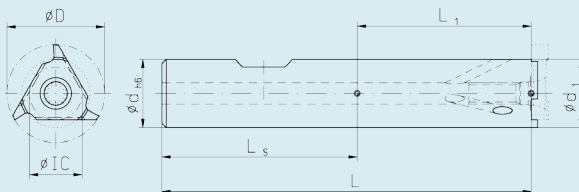


Art.-Nr.	Bestell-Nr.	Typ	D mm	A mm	R mm	LP1 mm	LP2 mm	Smax mm	Zähne- zahl	Preis
90.351994	160770	P1210	9.6	1.0	0.5	3.25	0.1	1.20	3	
90.351290	171924	P1210	9.6	2.2	1.1	3.30	0.05	1.20	3	
90.351995	160445	P1212	11.7	2.0	1.0	3.45	-	2.25	3	
90.351291	171874	P1212	11.7	2.2	1.1	3.55	-	2.25	3	
90.351996	160768	P1616	16.0	1.0	0.5	3.55	-	1.50	6	
90.351997	160431	P1616	16.0	2.0	1.0	3.55	-	2.00	6	
90.351998	160436	P1616	16.0	3.0	1.5	3.55	-	3.50	6	
90.351999	170360	P1616	16.0	4.0	2.0	4.65	-	3.50	6	
90.352600	178162	P1616	16.0	5.0	2.5	5.65	-	3.50	6	
90.352601	185358	P1618	17.7	1.0	0.5	3.95	-	2.50	6	
90.351292	171953	P1618	17.7	2.2	1.1	4.00	-	4.20	6	
90.351293	171975	P2022	21.7	2.0	1.0	4.90	-	5.00	6	
90.351294	171976	P2022	21.7	2.4	1.2	4.85	-	5.00	6	
90.351775	175888	P2022	21.7	2.6	1.3	4.95	-	5.00	6	
90.351295	171977	P2022	21.7	2.8	1.4	5.05	-	5.00	6	
90.351296	171978	P2022	21.7	3.0	1.5	4.90	-	5.00	6	
90.352602	182543	P2022	21.7	4.0	2.0	4.95	-	5.00	6	
90.352610	160909	P2526	26.0	2.0	1.0	4.90	-	6.20	6	
90.352603	178289	P2526	26.0	3.0	1.5	3.70	-	6.20	6	
90.352604	160444	P2526	26.0	4.0	2.0	4.65	-	6.20	6	
90.351776	175075	P2526	26.0	5.0	2.5	6.90	-	6.20	6	
90.352605	150085	P2526	26.0	6.0	3.0	6.90	-	6.20	6	
90.352606	160449	P2528	27.7	4.0	2.0	5.90	-	7.05	6	

TriMill Fräser

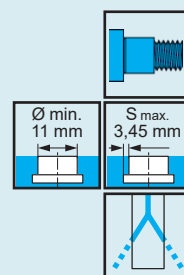
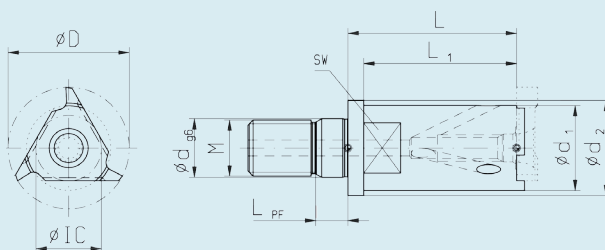
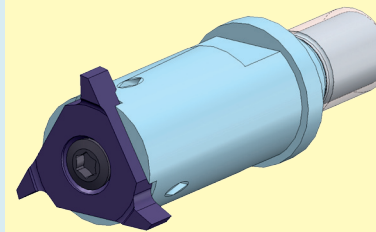


Zirkular-Fräskörper



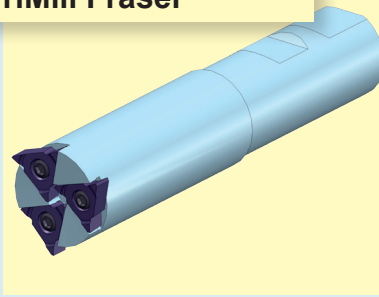
Art.-Nr.	Typ	Bestell-Nr.	Form	kleinster Bohr-Ø	D	dh6	d1	Smax	L	L1	Schaft	Preis	WSP		
90.354001	04	123491	B	8	7.9	10	7.2	0.35	57.20	17.2	Stahl		04	107530	T6 IP 111705
90.354002	03	123477	B	11	10.6	10	7.4	1.6	57.20	17.2	Stahl		03		
90.354003	"	123478	B	11	10.6	12	7.4	1.6	64.66	17.2	Stahl		"		
90.354004	"	123479	A	11	10.6	12	7.4	1.6	64.66	17.2	Stahl		"		
90.354005	"	123480	B	11	10.6	10	7.4	1.6	74.20	34.2	HM		"		
90.354006	"	123489	A	11	10.6	8	8.0	1.25	77.66	-	HM		"		
90.354007	02	123445	B	20	17.5	12	12.0	2.6	74.05	28.7	Stahl		02	107547	T15 IP 111671
90.354008	"	123446	B	20	17.5	16	12.0	2.6	78.60	28.7	Stahl		"		
90.354009	"	123447	A	20	17.5	16	12.0	2.6	78.60	28.7	Stahl		"		
90.354010	"	123448	B	20	17.5	12	12.0	2.6	108.70	63.7	HM		"		
90.354011	"	123470	A	20	17.5	12	12.0	2.6	79.30	-	HM		"		
90.354012	"	123471	A	20	17.5	12	12.0	2.6	96.50	-	HM		"		
90.354013	"	123474	A	20	17.5	12	12.0	2.6	121.50	-	HM		"	107551	T20 IP 111594
90.354014	01	123412	B	25	23.0	16	16.0	3.45	87.00	38.5	Stahl		01		
90.354015	"	123414	B	25	23.0	16	16.0	3.45	116.00	67.5	Stahl		"		
90.354016	"	123415	A	25	23.0	20	17.0	3.0	93.00	41.0	Stahl		"		
90.354017	"	170320	A	25	23.0	16	17.0	3.0	137.00	88.5	HM		"		
90.354018	"	123416	B	25	23.0	16	17.0	3.0	137.00	88.5	HM		"		
90.354019	"	123440	A	25	23.0	16	16.0	3.45	111.00	-	HM		"		
90.354020	"	123441	A	25	23.0	16	16.0	3.45	148.50	-	HM		"		

TriMill Fräser

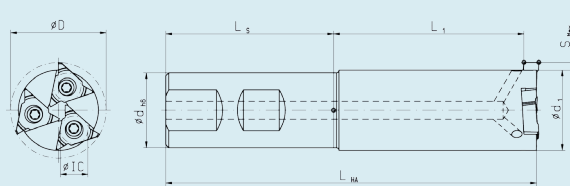


Art.-Nr.	Typ	Bestell-Nr.	kleinster Bohr-Ø	D mm	dg6 mm	d1 mm	d2 mm	Smax mm	L mm	L1 mm	G	Preis	WSP		
90.354021	03	123481	11	10.6	6.5	7.4	10.0	1.60	22.66	13.66	M6		03	107530	111705
90.354022	02	123450	20	17.5	8.5	12.2	15.4	2.60	27.50	18.5	M8		02	107547	111671
90.354023	01	123419	25	23.0	10.5	16.1	18.0	3.45	32.00	29.0	M10		01	107551	111594

TriMill Fräser

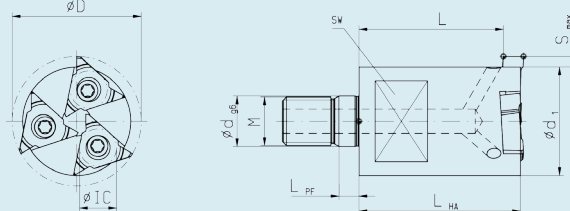
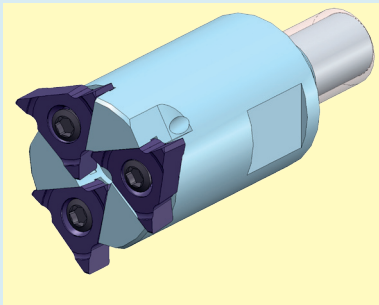


Zirkular-Fräskörper



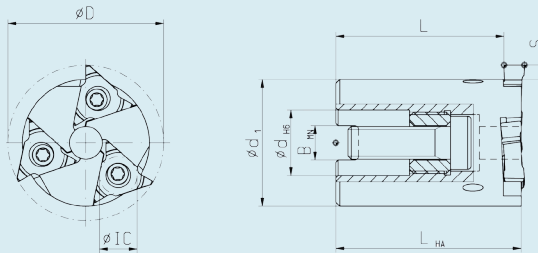
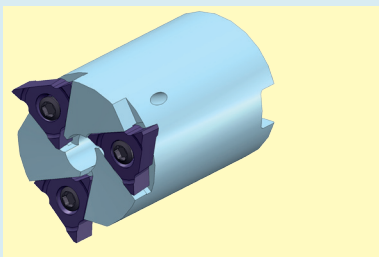
Typ 023	IC 9,2
Ø min. 2,6 mm	S max. 2,6 mm
DIN 1835 Form B	

Art.-Nr.	Typ	Bestell-Nr.	kleinster Bohr-Ø	D mm	dh6 mm	d1 mm	Smax mm	LHA mm	L mm	L1 mm	Zähne-zahl	Schaft	Preis	WSP	T15 IP
90.354024	023	123462	33	32	25	26.8	2.6	124.2	119.97	61.97	3	Stahl	023	107547	111671

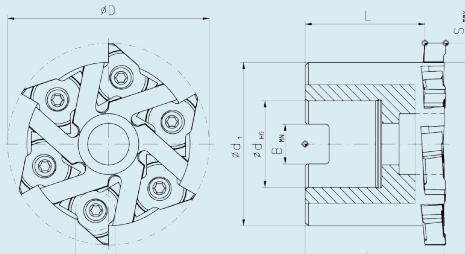
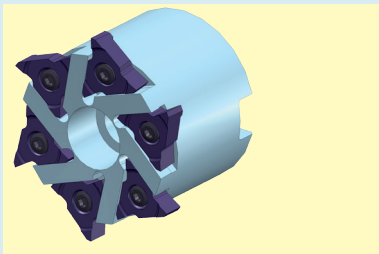


Typ 023	IC 9,2
Ø min. 3,3 mm	S max. 3,4 mm

Art.-Nr.	Typ	Bestell-Nr.	kleinster Bohr-Ø	D mm	dg6 mm	d1 mm	Smax mm	LHA mm	L mm	Zähne-zahl	G	Preis	WSP	T15 IP
90.354025	023	123465	33	32	12.5	24.3	3.8	40	34.97	3	M12	023	107547	111671

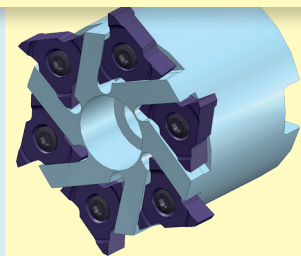


Typ 023	IC 9,2
Ø min. 4,0 mm	S max. 4,0 mm

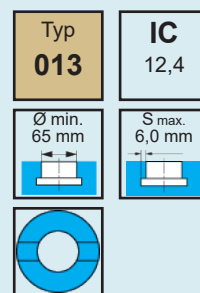
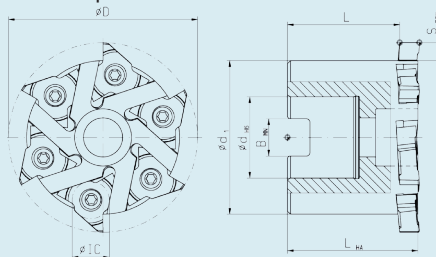


Art.-Nr.	Typ	Bestell-Nr.	kleinster Bohr-Ø	D mm	dh6 mm	d1 mm	Smax mm	LHA mm	L mm	BMN mm	Zähne-zahl	Preis	WSP	T15 IP
90.354026	023	123464	40	38	16	31	3.4	45.3	40.97	8.4	3	023	134984	107547 111671
90.354027	023	123461	55	50	22	42	3.9	39.3	34.97	10.4	6	023	107547	111671

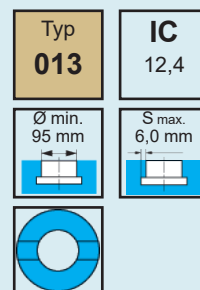
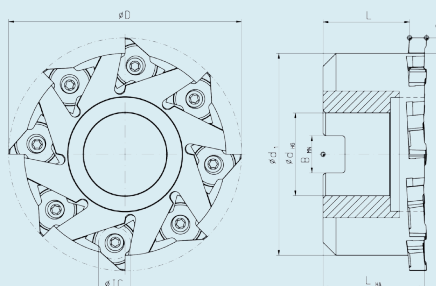
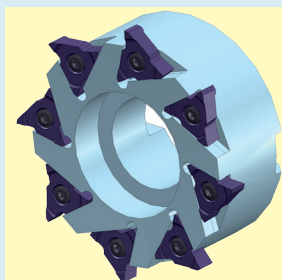
TriMill Fräser



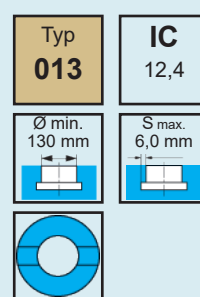
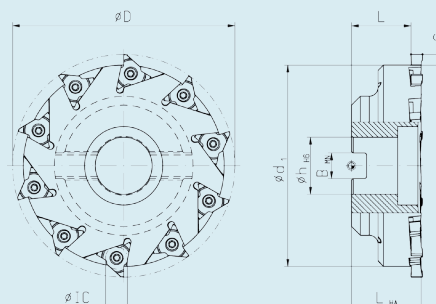
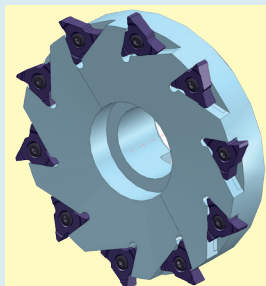
Zirkular-Fräskörper



Art.-Nr.	Typ	Bestell-Nr.	kleinster Bohr-Ø	D mm	dH6 mm	d1 mm	Smax mm	LHA mm	L mm	BMN mm	Zähnezahl	Preis	WSP	T20 IP
90.354028	013	123435	65	63	27	51	6	43.5	37.5	12.4	6	013	107551	111594



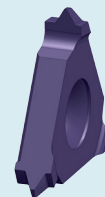
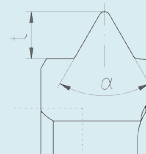
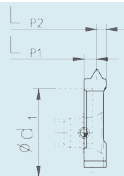
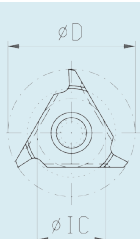
Art.-Nr.	Typ	Bestell-Nr.	kleinster Bohr-Ø	D mm	dH6 mm	d1 mm	Smax mm	LHA mm	L mm	BMN mm	Zähnezahl	Preis	WSP	T20 IP
90.354029	013	123436	95	90	32	78	6	39.2	33.5	14.4	8	013	107551	111594



Art.-Nr.	Typ	Bestell-Nr.	kleinster Bohr-Ø	D mm	dH6 mm	d1 mm	Smax mm	LHA mm	L mm	BMN mm	Zähnezahl	Preis	WSP	T20 IP
90.354030	013	134561	130	125	32	113	6	39.2	33.5	14.4	10	013	107551	111594

Gewinde

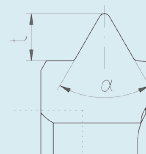
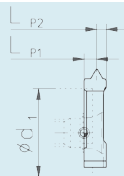
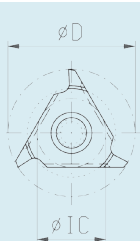
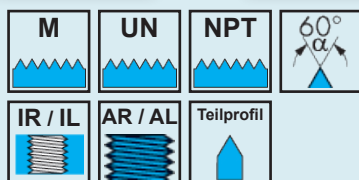
Vollprofil



Art.-Nr.	Bestell-Nr.	Typ	Steigung mm	D mm	LP1 mm	LP2 mm	t mm	Gewinde	Preis
90.354162	141613	03	1.0	10.6	1.64	0.7	0.578	>M12	
90.354163	141674	03	1.5	10.6	1.39	0.95	0.864	>M14	
90.354164	141647	03	2.0	10.6	2.00	1	1.159	>M16	
90.354165	141443	02	1.0	17.5	2.80	0.7	0.578		
90.354166	141482	02	1.5	17.5	2.55	0.95	0.864		
90.354167	141484	02	2.0	17.5	2.30	1.2	1.159		
90.354168	141514	02	2.5	17.5	2.05	1.45	1.444		
90.354169	141516	02	2.5	16.0	1.75	1.75	1.444	nur M20	
90.354170	141494	02	3.0	17.5	2.10	1.4	1.728		
90.354171	141317	01	1.0	23.0	3.30	0.7	0.578		
90.354172	141291	01	1.5	23.0	3.05	0.95	0.864		
90.354173	141312	01	2.0	23.0	2.80	1.2	1.159		
90.354174	141287	01	2.5	23.0	2.55	1.45	1.444		
90.354175	141339	01	3.0	23.0	2.30	1.7	1.728		
90.354176	141300	01	3.5	23.0	2.30	1.7	2.023		
90.354177	141347	01	4.0	23.0	2.30	1.7	2.308		
90.354178	141365	01	4.5	23.0	4.00	2.5	2.602		
90.354179	141342	01	5.0	23.0	4.00	2.5	2.887		
90.354180	141350	01	5.5	23.0	3.60	2.9	3.182		
90.354181	141369	01	6.0	23.0	3.20	3.3	3.467		

Gewinde

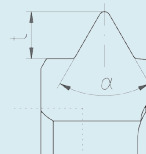
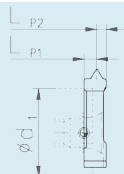
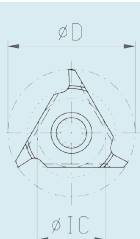
Teilprofil



Art.-Nr.	Bestell-Nr.	Typ	Steigung mm	D mm	LP1 mm	LP2 mm	G mm	tmax.	Preis
90.354182	141677	03	1-2.0	10.6	1.5	1.5	0.1	1.6	
90.354183	141528	02	1-3.5	17.5	1.59	1.91	0.1	2.15	
90.354184	141366	01	1-4.0	23.0	1.85	2.15	0.1	2.45	

Gewinde

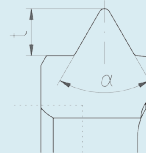
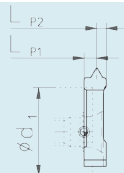
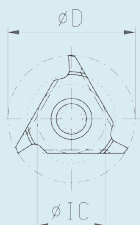
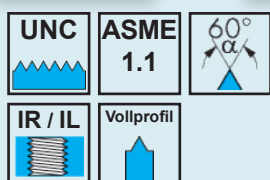
Vollprofil



Art.-Nr.	Bestell-Nr.	Typ	Gang/°	D mm	LP1 mm	LP2 mm	t mm	Gewinde	Preis
90.354185	141652	03	19	10.6	1.25	1.09	0.871	G 1/4"	
90.354186	141682	03	19	10.6	1.25	1.09	0.871	G 3/8"	
90.354187	141508	02	14	16.0	1.75	1.75	1.162	G 1/2"	
90.354188	141488	02	14	17.5	2.2	1.3	1.162		
90.354189	141522	02	11	17.5	1.9	1.6	1.494		
90.354190	160665	02	8	17.5	1.75	1.75	1.830	BSW 1"	
90.354191	161718	02	8	17.5	1.75	1.75	1.830	BSF	
90.354192	141381	01	11	23.0	2.4	1.6	1.494		

Gewinde

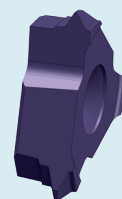
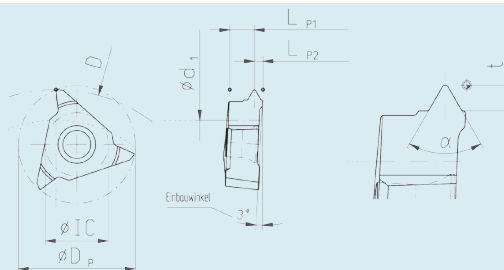
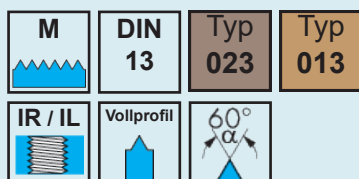
Vollprofil



Art.-Nr.	Bestell-Nr.	Typ	Gang/°	D mm	LP1 mm	LP2 mm	t mm	Gewinde	Preis
90.354193	149460	03	13	10.0	1.17	1.17	1.099	1/2-13	
90.354194	149204	03	11	10.6	1.17	1.17	1.349	5/8-11	
90.354195	149732	03	10	10.6	1.17	1.17	1.470	3/4-10	

Gewinde

Vollprofil



Art.-Nr.	Bestell-Nr.	Typ	Steigung mm	Dp mm	LP1 mm	LP2 mm	t mm	Preis
90.354196	142020	023	1.5	17.5	4.08	0.95	0.864	
90.354197	142003	023	2.0	17.5	3.83	1.2	1.159	
90.354198	141989	023	2.5	17.5	3.52	1.51	1.444	
90.354199	141988	023	3.0	17.5	3.33	1.7	1.728	
90.354200	142028	023	4.0	17.5	2.63	2.4	2.308	
90.354201	141998	023	4.5	17.5	2.53	2.5	2.602	
90.354202	142009	023	5.0	17.5	3.13	2.9	2.887	
90.354203	142032	023	5.5	17.5	2.7	3.33	3.128	
90.354204	142000	023	6.0	17.5	2.7	3.33	3.467	
90.354205	141920	013	1.5	23.0	5.58	0.95	0.864	
90.354206	141910	013	2.0	23.0	5.33	1.2	1.159	
90.354207	141935	013	2.5	23.0	5.02	1.51	1.444	
90.354208	141943	013	3.0	23.0	4.83	1.7	1.728	
90.354209	141961	013	3.5	23.0	4.83	1.7	2.023	
90.354210	141947	013	4.0	23.0	4.63	1.9	2.308	
90.354211	141964	013	4.5	23.0	4.03	2.5	2.602	
90.354212	141955	013	5.0	23.0	4.03	2.5	2.887	
90.354213	141976	013	6.0	23.0	3.23	3.3	3.467	
90.354214	150338	013	8.0	23.0	3.454	3.941	4.731	

Gewinde

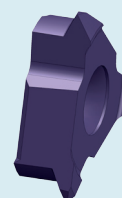
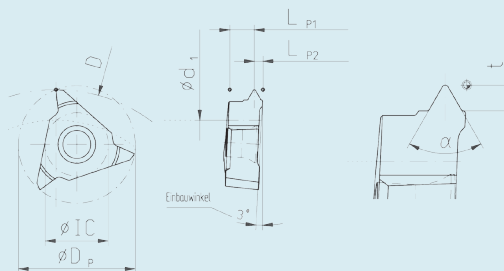
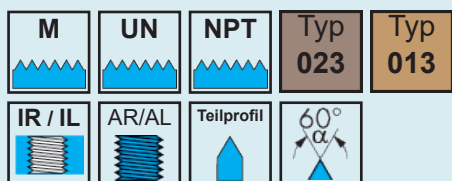
Vollprofil



Art.-Nr.	Bestell-Nr.	Typ	Gang/"	Dp mm	LP1 mm	LP2 mm	t mm	Preis
90.354219	142022	023	11	17.5	3.33	1.7	1.494	
90.354220	141941	013	11	23.0	4.14	2.39	1.494	

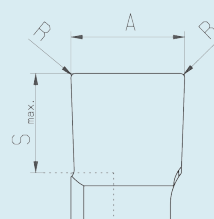
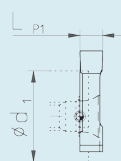
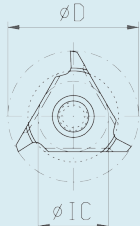
Gewinde

Teilprofil



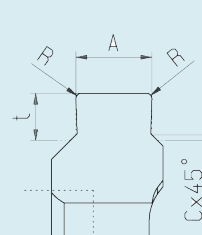
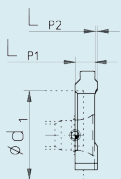
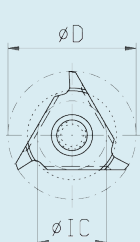
Art.-Nr.	Bestell-Nr.	Typ	Steigung mm	Dp mm	LP1 mm	LP2 mm	t mm	Gewinde	Preis
90.354215	141996	023	1-3.5	17.5	3.28	1.75	0.10	2.15	
90.354216	142010	023	3-6.0	17.5	2.7	3.33	0.25	3.75	
90.354217	141969	013	1-3.0	23.0	4.88	1.65	0.10	2.15	
90.354218	141951	013	3.5-6	23.0	2.8	3.73	0.40	4.75	

Nutenfräsen



Art.-Nr.	Bestell-Nr.	Typ	A mm	D mm	IC	LP1 mm	S max mm	R mm	Preis
90.354031	141719	04	2.0	7.9	5.5	2.34	0.35	0.10	
90.354032	141642	03	2.34	10.6	5.5	2.36	1.60	0.15	
90.354033	141669	03	3.0	10.6	5.5	3.02	1.60	0.15	
90.354034	141533	02	3.5	17.5	9.2	3.52	2.60	0.15	
90.354035	141535	02	5.0	17.5	9.2	5.03	2.60	0.15	
90.354036	141544	02	6.0	17.5	9.2	6.02	2.60	0.15	
90.354037	141361	01	4.0	23.0	12.4	4.03	3.45	0.15	
90.354038	141396	01	6.5	23.0	12.4	6.53	3.45	0.15	

Sicherungsringe

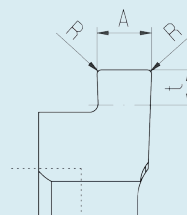
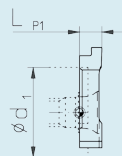
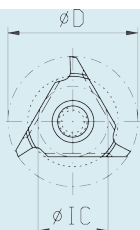


Art.-Nr.	Bestell-Nr.	Typ	DIN H13	D mm	E mm	LP1 mm	LP2 mm	A-0.03 mm	t mm	Cx45° mm	R mm	Preis
90.354039	141556	03	1.10	10.6	5.5	2.13	0.21	1.18	0.50	0.1	0.05	
90.354040	141427	02	1.10	17.5	9.2	3.1	0.4	1.18	0.50	0.1	0.05	
90.354041	141387	02	1.30	17.5	9.2	3.1	0.4	1.38	0.85	0.15	0.05	
90.354042	141399	02	1.60	17.5	9.2	3.1	0.4	1.68	1.00	0.15	0.1	
90.354043	141409	02	1.85	17.5	9.2	3.1	0.4	1.93	1.25	0.2	0.1	
90.354044	141333	02	2.15	17.5	9.2	3.1	0.4	2.23	1.50	0.2	0.1	
90.354045	141388	02	2.65	17.5	9.2	3.1	0.4	2.73	1.50	0.2	0.2	
90.354046	141161	01	1.10	23.0	12.4	3.6	0.4	1.18	0.50	0.1	0.05	
90.354047	141209	01	1.30	23.0	12.4	3.6	0.4	1.38	0.70	0.15	0.05	
90.354048	141199	01	1.30	23.0	12.4	3.6	0.4	1.38	0.85	0.15	0.1	
90.354049	141237	01	1.60	23.0	12.4	3.6	0.4	1.68	0.85	0.15	0.1	
90.354050	141180	01	1.60	23.0	12.4	3.6	0.4	1.68	1.00	0.15	0.1	
90.354051	141193	01	1.85	23.0	12.4	3.6	0.4	1.93	1.25	0.2	0.1	
90.354052	141215	01	2.15	23.0	12.4	3.6	0.4	2.23	1.50	0.2	0.1	
90.354053	141222	01	2.65	23.0	12.4	3.6	0.4	2.73	1.50	0.2	0.2	
90.354054	141048	01	2.65	23.0	12.4	3.6	0.4	2.73	1.75	0.2	0.2	
90.354055	141186	01	3.15	23.0	12.4	3.6	0.4	3.23	1.75	0.2	0.2	
90.354056	141212	01	4.15	23.0	12.4	5.5	1.0	4.23	2.00	0.2	0.2	

Sicherungsringe



DIN
471/
472

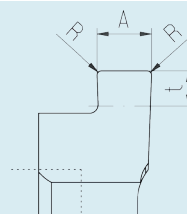
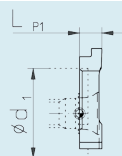
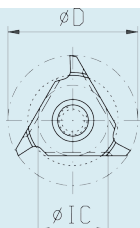


Art.-Nr.	Bestell-Nr.	Typ	DIN H13	D mm	IC mm	LP1 mm	A-0.03 mm	t mm	R mm	Preis
90.354057	141726	04	0.90	7.9	5.5	2.34	0.98	0.3	0.05	
90.354058	141611	03	0.90	10.6	5.5	2.34	0.98	0.7	0.05	
90.354059	141567	03	1.10	10.6	5.5	2.34	1.18	0.9	0.05	
90.354060	141609	03	1.30	10.6	5.5	2.34	1.38	1.1	0.05	
90.354061	141630	03	1.60	10.6	5.5	2.34	1.68	1.25	0.1	
90.354062	141574	03	1.85	10.6	5.5	2.34	1.93	1.25	0.1	
90.354063	141416	02	0.90	17.5	9.2	3.5	0.98	0.7	0.05	
90.354064	141435	02	1.10	17.5	9.2	3.5	1.18	0.9	0.05	
90.354065	141431	02	1.30	17.5	9.2	3.5	1.38	1.1	0.05	
90.354066	141454	02	1.60	17.5	9.2	3.5	1.68	1.25	0.1	
90.354067	141436	02	1.85	17.5	9.2	3.5	1.93	1.25	0.1	
90.354068	141437	02	2.15	17.5	9.2	3.5	2.23	1.75	0.1	
90.354069	141477	02	2.65	17.5	9.2	3.5	2.73	1.75	0.2	
90.354070	141440	02	3.15	17.5	9.2	3.5	3.23	2.2	0.2	
90.354071	141254	01	0.90	23.0	12.4	4.0	0.98	0.7	0.05	
90.354072	141245	01	1.10	23.0	12.4	4.0	1.18	0.9	0.05	
90.354073	141261	01	1.30	23.0	12.4	4.0	1.38	1.1	0.05	
90.354074	141255	01	1.60	23.0	12.4	4.0	1.68	1.25	0.1	
90.354075	141269	01	1.85	23.0	12.4	4.0	1.93	1.25	0.1	
90.354076	141258	01	2.15	23.0	12.4	4.0	2.23	1.75	0.1	
90.354077	141264	01	2.65	23.0	12.4	4.0	2.73	1.75	0.2	
90.354078	141293	01	3.15	23.0	12.4	4.0	3.23	2.2	0.2	
90.354079	141305	01	4.15	23.0	12.4	6.5	4.23	2.5	0.2	

O-Ringe

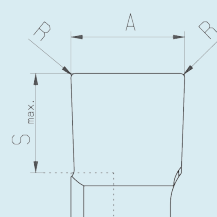
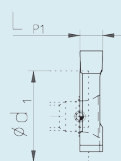
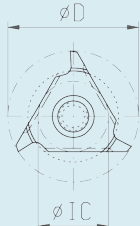
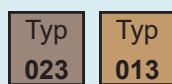


DIN ISO
3601-2



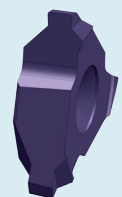
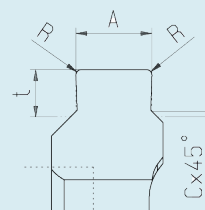
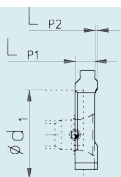
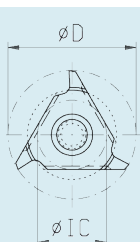
Art.-Nr.	Bestell-Nr.	Typ	DIN Breite	D mm	IC	LP1 mm	LP2 mm	A-0.03 mm	t mm	R1 mm	R2 mm	Preis
90.354080	141654	03	1.80	10.6	5.5	2.6	0.4	2.28	1.45	0.2	0.2	
90.354081	141510	02	1.80	17.5	9.2	3.0	0.5	2.28	1.45	0.2	0.2	
90.354082	141470	02	2.65	17.5	9.2	4.5	0.5	3.08	2.3	0.3	0.2	
90.354083	141236	01	1.80	23.0	12.4	3.5	0.5	2.28	1.45	0.2	0.2	
90.354084	141277	01	2.65	23.0	12.4	3.5	0.5	3.08	2.3	0.3	0.2	
90.354085	141306	01	3.55	23.0	12.4	5.5	1.0	4.08	3.1	0.4	0.2	

Nutenfräsen



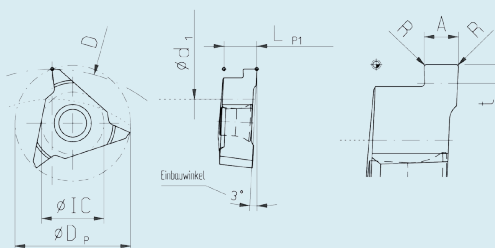
Art.-Nr.	Bestell-Nr.	Typ	A mm	Dp mm	IC	LP1 mm	S max mm	R mm	Preis
90.354086	142060	023	5.0	17.5	9.2	5.03	4.0	0.15	
90.354087	141972	013	6.5	23.0	12.4	6.53	6.0	0.15	

Sicherungsringe



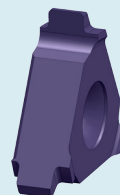
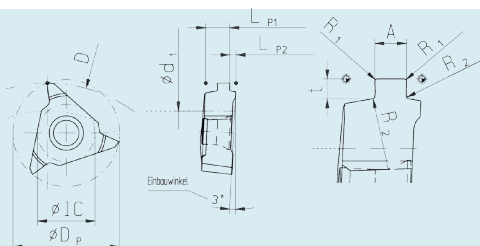
Art.-Nr.	Bestell-Nr.	Typ	DIN H13	Dp mm	E mm	LP1 mm	LP2 mm	A-0.03 mm	t mm	Cx45° mm	R mm	Preis
90.354088	141946	023	1.85	17.5	9.2	3.73	1.3	1.93	1.25	0.2	0.1	
90.354089	141949	023	2.15	17.5	9.2	3.73	1.3	2.23	1.5	0.2	0.1	
90.354090	141997	023	2.65	17.5	9.2	3.73	1.3	2.73	1.5	0.2	0.2	
90.354091	141970	023	2.65	17.5	9.2	3.73	1.3	2.73	1.75	0.2	0.2	
90.354092	141993	023	3.15	17.5	9.2	4.23	0.8	3.23	1.75	0.2	0.2	
90.354093	141973	023	4.15	17.5	9.2	5.03	1.0	4.23	2.5	0.2	0.2	
90.354094	141914	013	1.85	23.0	12.4	5.2	1.33	1.93	1.25	0.2	0.1	
90.354095	141892	013	2.15	23.0	12.4	5.2	1.33	2.23	1.5	0.2	0.1	
90.354096	141915	013	2.65	23.0	12.4	5.2	1.33	2.73	1.5	0.2	0.2	
90.354097	141907	013	2.65	23.0	12.4	5.2	1.33	2.73	1.75	0.2	0.2	
90.354098	141924	013	3.15	23.0	12.4	5.2	1.33	3.23	1.75	0.2	0.2	
90.354099	141905	013	4.15	23.0	12.4	5.2	1.33	4.23	2.0	0.2	0.2	
90.354100	141927	013	4.15	23.0	12.4	5.2	1.33	4.23	2.5	0.2	0.2	

Sicherungsringe



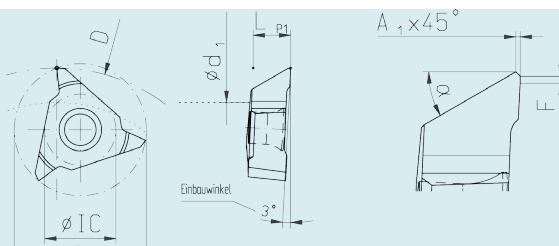
Art.-Nr.	Bestell-Nr.	Typ	DIN H13	D mm	IC mm	LP1 mm	A-0.03 mm	t mm	R mm	Preis
90.354101	141994	023	1.85	17.5	9.2	5.03	1.93	1.25	0.1	
90.354102	141980	023	2.15	17.5	9.2	5.03	2.23	1.75	0.1	
90.354103	141968	023	2.65	17.5	9.2	5.03	2.73	1.75	0.2	
90.354104	142014	023	3.15	17.5	9.2	5.03	3.23	2.2	0.2	
90.354105	141937	013	2.15	23.0	12.4	6.53	2.23	1.75	0.1	
90.354106	141925	013	2.65	23.0	12.4	6.53	2.73	1.75	0.2	
90.354107	141930	013	3.15	23.0	12.4	6.53	3.23	2.2	0.2	
90.354108	141934	013	4.15	23.0	12.4	6.53	4.23	2.5	0.2	
90.354109	141932	013	5.15	23.0	12.4	6.53	5.26	3.5	0.2	

O-Ringe



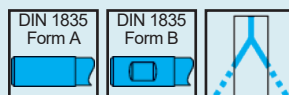
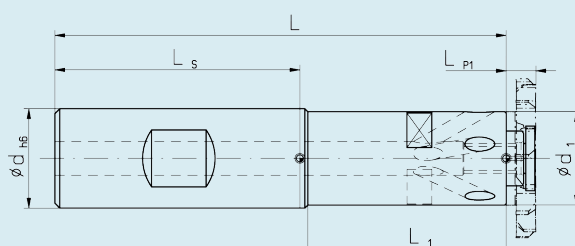
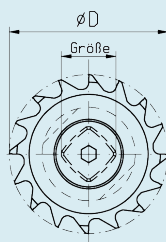
Art.-Nr.	Bestell-Nr.	Typ	DIN Breite	D mm	IC mm	LP1 mm	LP2 mm	A-0.03 mm	t mm	R1 mm	R2 mm	Preis
90.354110	142012	023	1.8	17.5	9.2	4.03	1.0	2.28	1.45	0.3	0.2	
90.354111	142019	023	2.65	17.5	9.2	4.03	1.0	3.08	2.3	0.3	0.2	
90.354112	141919	013	2.65	23.0	12.4	5.5	1.03	3.08	2.3	0.3	0.2	
90.354113	141916	013	3.55	23.0	12.4	5.5	1.03	4.08	3.1	0.3	0.2	

Planfräsen



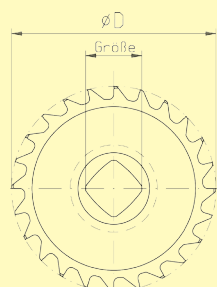
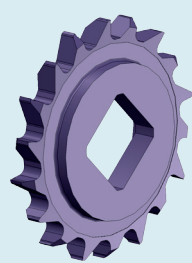
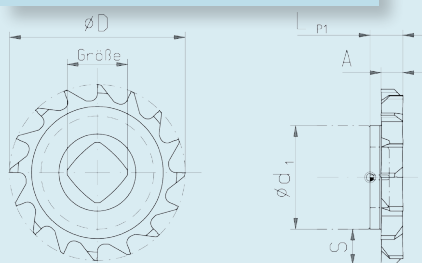
Art.-Nr.	Bestell-Nr.	Typ	Dp mm	IC mm	LP1 mm	A1x45° mm	F mm	a mm	Preis
90.354114	149516	023	17.5	9.2	5.0	0.3	0.5	25°	
90.354115	149472	013	23.0	12.4	6.5	0.3	0.5	28°	

Grundhalter

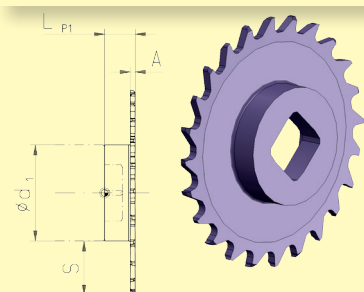


Art.-Nr.	Bestell-Nr.	Typ	dh6 mm	DIN	d1	L	L ₁	Preis	Spann-schraube	Schrau-ben-dreher	Grösse
90.351566	163700	09	20	1835 B	16.8	86	35	-	-	178297	SW 4
90.351625	160049	09	20	1835 A	16.8	86	35	-	-	-	-
90.351568	163701	11	20	1835 B	18.8	91	40	163843	178296	-	SW 3
90.351624	160050	11	20	1835 A	18.8	91	40	-	-	-	-
90.351570	163702	13	25	1835 B	21.6	105	45	163844	178297	-	SW 4
90.351626	160051	13	25	1835 A	21.6	105	45	-	-	-	-

Frässscheiben



Frässscheiben

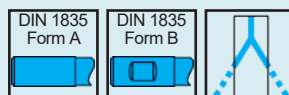
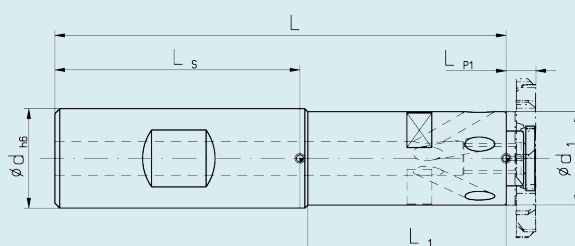
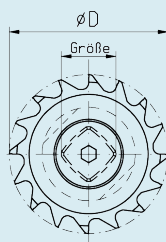


Art.-Nr.	Bestell-Nr.	Typ	A mm	S max. mm	Grösse Ø	L _{P1}	Zähne-zahl	Lieferbar	Preis
90.351486	164440	13	2.0	5.2	32	6	16	a.A.	
90.351487	164402	11	2.0	6.6	32	6	16	Lg	
90.351496	164441	13	3.0	5.2	32	6	16	a.A.	
90.351497	164403	11	3.0	6.6	32	6	16	Lg	
90.351506	164404	13	4.0	5.2	32	6	16	Lg	
90.351507	164442	11	4.0	6.6	32	6	16	a.A.	
90.351516	164405	13	5.0	5.2	32	6	16	Lg	
90.351517	164443	11	5.0	6.6	32	6	16	a.A.	
90.351526	164430	11	1.0	6.6	32	6	18	a.A.	379.00
90.351527	164400	9	1.0	7.6	32	6	18	Lg	371.00
90.351536	164431	11	1.5	6.6	32	6	18	a.A.	387.00
90.351537	164401	9	1.5	7.6	32	6	18	Lg	379.00

Speziell für Aluminiumbearbeitung:

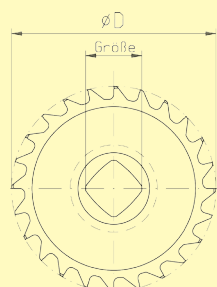
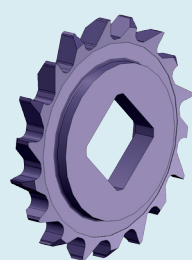
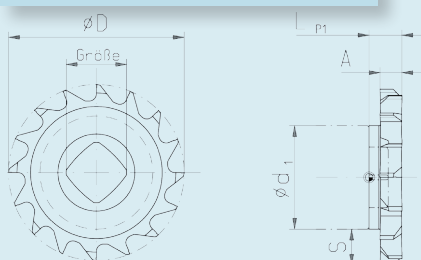
90.351546	179693	9	1.0	7.6	32	6	16	Lg	
90.351547	179698	9	1.5	7.6	32	6	16	Lg	

Grundhalter

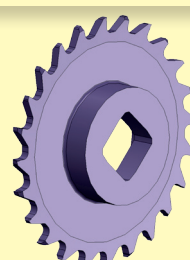
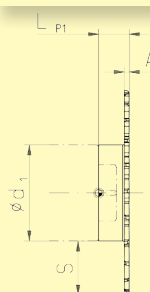


Art.-Nr.	Bestell-Nr.	Typ	dh6 mm	DIN	d1	L	L ₁	Preis	Spann-schraube	Spann-scheibe	Schrauben-dreher	Grösse
90.351568	163701	11	20	1835 B	18.8	91	40		163843	-	178296	SW 3
90.351624	160050	11	20	1835 A	18.8	91	40					
90.351570	163702	13	25	1835 B	21.6	105	45		163844	-	178297	SW 4
90.351626	160051	13	25	1835 A	21.6	105	45					
90.351572	163703	16	25	1835 B	26.0	110	50		163850	175027	178296	SW 3
90.351627	160052	16	25	1835 A	26.0	110	50					

DeepMill Frässcheiben



PolySaw Frässcheiben



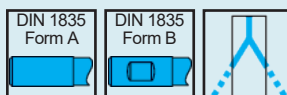
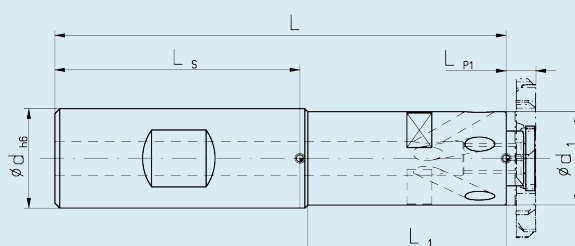
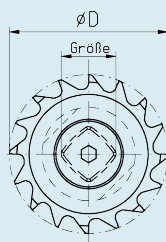
Art.-Nr.	Bestell-Nr.	Typ	A mm	S max. mm	Grösse Ø	LP1	Zähne-zahl	Lieferbar	Preis
90.351488	164444	16	2.0	7.0	40	6	18	a.A.	
90.351489	164408	13	2.0	9.2	40	6	18	Lg	
90.351498	164445	16	3.0	7.0	40	6	18	a.A.	
90.351499	164409	13	3.0	9.2	40	6	18	Lg	
90.351508	164410	16	4.0	7.0	40	6	18	Lg	
90.351509	164446	13	4.0	9.2	40	6	18	a.A.	
90.351518	164411	16	5.0	7.0	40	6	18	Lg	
90.351519	164447	13	5.0	9.2	40	6	18	a.A.	

90.351556	164432	13	1.0	9.2	40	6	24	a.A.	
90.351557	164406	11	1.0	10.6	40	6	24	Lg	
90.351528	164433	13	1.5	9.2	40	6	24	a.A.	
90.351529	164407	11	1.5	10.5	40	6	24	Lg	

Speziell für Aluminiumbearbeitung:

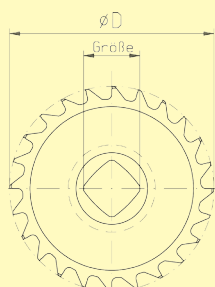
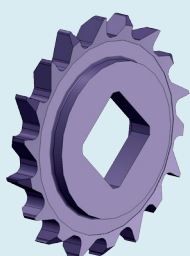
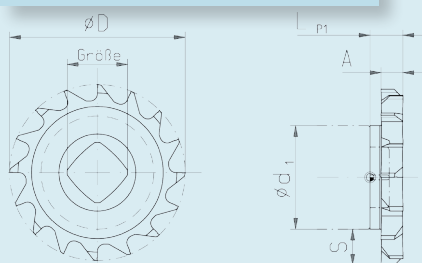
90.351538	179694	11	1.0	10.6	40	6	20	Lg	
90.351539	179699	11	1.5	10.6	40	6	20	Lg	

Grundhalter

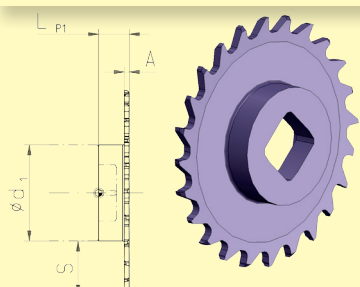


Art.-Nr.	Bestell-Nr.	Typ	dh6 mm	DIN	d1	L	L ₁	Preis	Spann-schraube	Spann-scheibe	Schrau-ben-dreher	Grösse
90.351570	163702	13	25	1835 B	21.6	105	45		163844	-	178297	SW 4
90.351626	160051	13	25	1835 A	21.6	105	45					
90.351572	163703	16	25	1835 B	26.0	110	50		163850	175027	178296	SW 3
90.351627	160052	16	25	1835 A	26.0	110	50					
90.351574	163704	19	32	1835 B	30.0	122	55		163848	163845	178296	SW 3
90.351628	160053	19	32	1835 A	30.0	122	55					

DeepMill Frässcheiben



PolySaw Frässcheiben

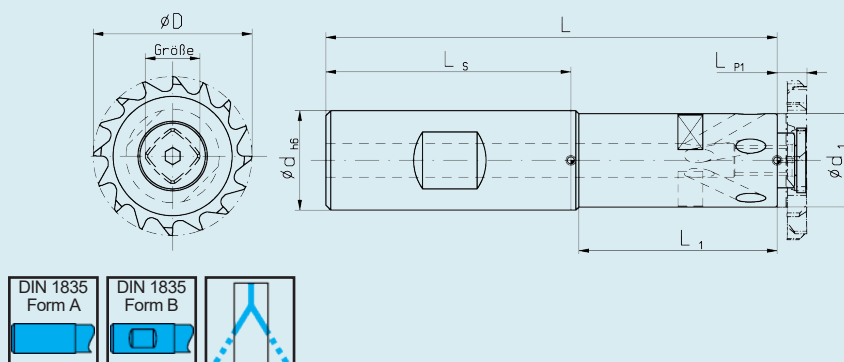


Art.-Nr.	Bestell-Nr.	Typ	A mm	S max. mm	Grösse Ø	LP1	Zähne-zahl	Lieferbar	Preis
90.351490	164448	19	2.0	10.0	50	6	24	a.A.	
90.351491	164414	16	2.0	12.0	50	6	24	Lg	
90.351500	164449	19	3.0	10.0	50	6	24	a.A.	
90.351501	164415	16	3.0	12.0	50	6	24	Lg	
90.351510	164416	19	4.0	10.0	50	6	24	Lg	
90.351511	164450	16	4.0	12.0	50	6	24	a.A.	
90.351520	164417	19	5.0	10.0	50	6	24	Lg	
90.351521	164451	16	5.0	12.0	50	6	24	a.A.	
90.351548	164434	16	1.0	12.0	50	6	32	a.A.	
90.351549	164412	13	1.0	14.2	50	6	32	Lg	
90.351558	164435	16	1.5	12.0	50	6	32	a.A.	
90.351559	164413	13	1.5	14.2	50	6	32	Lg	

Speziell für Aluminiumbearbeitung:

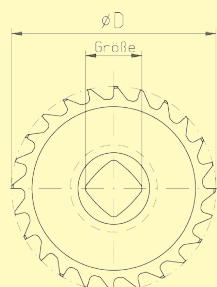
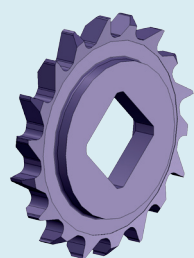
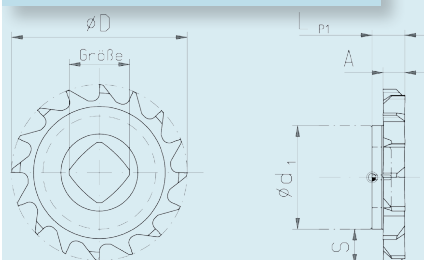
90.351530	179695	13	1.0	14.2	50	6	20	Lg	
90.351531	179700	13	1.5	14.2	50	6	20	Lg	

Grundhalter

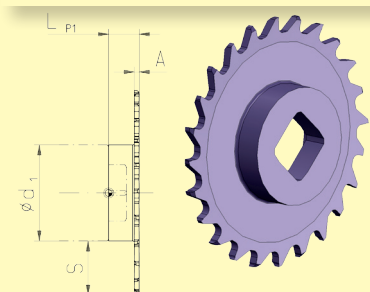


Art.-Nr.	Bestell-Nr.	Typ	dh6 mm	DIN	d1	L	L ₁	Preis	Spann-schraube	Spann-scheibe	Schrau-ben-dreher	Grösse
90.351572	163703	16	25	1835 B	26.0	110	50		163850	175027	178296	SW 3
90.351627	160052	16	25	1835 A	26.0	110	50					
90.351574	163704	19	32	1835 B	30.0	122	55		163848	163845	178296	SW 3
90.351628	160053	19	32	1835 A	30.0	122	55					
90.351576	163705	25	32	1835 B	38.0	127	60		163849	163846	178297	SW 4
90.351629	160054	25	32	1835 A	38.0	127	60					

DeepMill Frässcheiben



PolySaw Frässcheiben

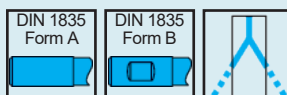
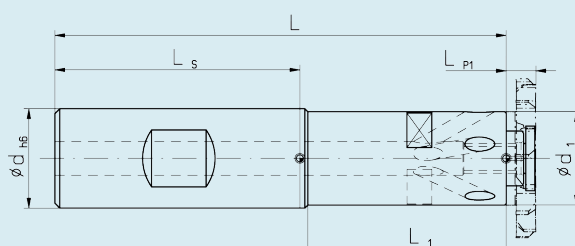
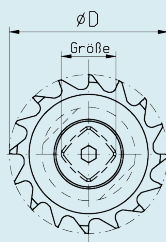


Art.-Nr.	Bestell-Nr.	Typ	A mm	S max. mm	Grösse Ø	L _{P1}	Zähne-zahl	Lieferbar	Preis
90.351492	164452	25	2.0	12.4	63	6	24	a.A.	
90.351494	164420	19	2.0	16.5	63	6	24	Lg	
90.351502	164453	25	3.0	12.4	63	6	24	a.A.	
90.351504	164421	19	3.0	16.5	63	6	24	Lg	
90.351512	164422	25	4.0	12.4	63	6	24	Lg	
90.351514	164454	19	4.0	16.5	63	6	24	a.A.	
90.351522	164423	25	5.0	12.4	63	6	24	Lg	
90.351524	164455	19	5.0	16.5	63	6	24	a.A.	
90.351637	164436	19	1.0	16.5	63	6	40	a.A.	
90.351532	164418	16	1.0	18.5	63	6	40	Lg	
90.351533	164437	19	1.5	16.5	63	6	40	a.A.	
90.351636	164419	16	1.5	18.5	63	6	40	Lg	

Speziell für Aluminiumbearbeitung:

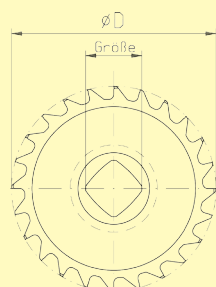
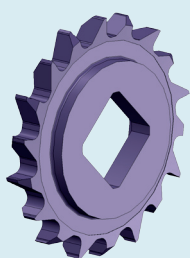
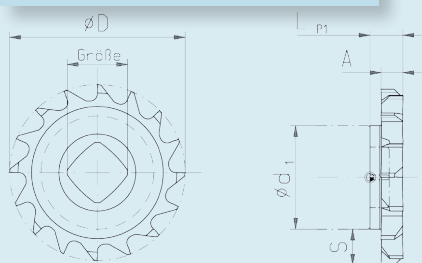
90.351540	179696	16	1.0	18.5	63	6	24	Lg	
90.351541	179701	16	1.5	18.5	63	6	24	Lg	

Grundhalter

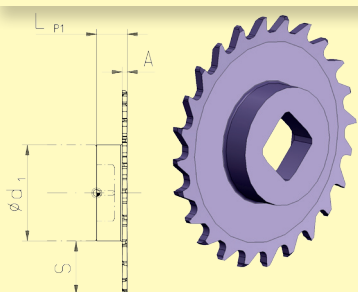


Art.-Nr.	Bestell-Nr.	Typ	dh6 mm	DIN	d1	L	L ₁	Preis	Spann-schraube	Spann-scheibe	Schrauben-dreher	Grösse
90.351574	163704	19	32	1835 B	30.0	122	55		163848	163845	178296	SW 3
90.351628	160053	19	32	1835 A	30.0	122	55		"	"	"	"
90.351576	163705	25	32	1835 B	38.2	127	60		163849	163846	178297	SW 4
90.351629	160054	25	32	1835 A	38.2	127	60		"	"	"	"
90.351578	163706	35	32	1835 B	49.0	132	65			163847	178297	SW 4
90.356000	160055	35	32	1835 A	49.0	132	65			"	"	"

DeepMill Frässccheiben



PolySaw Frässccheiben



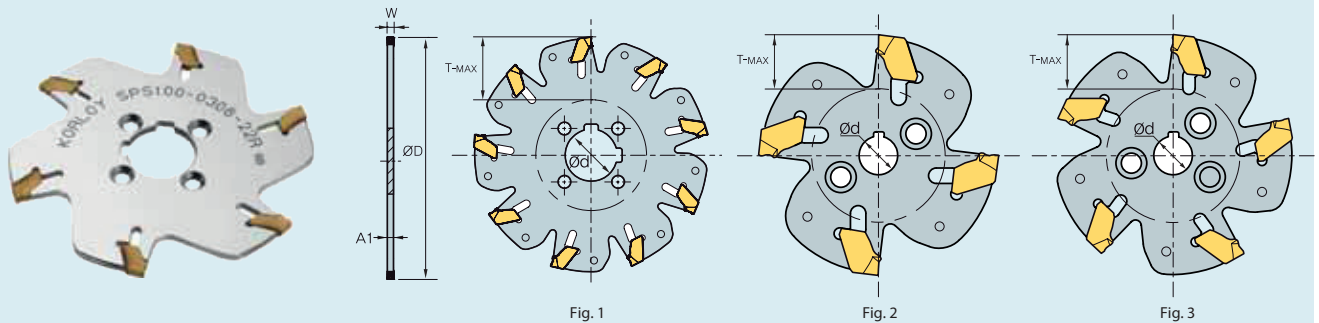
Art.-Nr.	Bestell-Nr.	Typ	A mm	S max. mm	Grösse Ø	LP1	Zähne-zahl	Lieferbar	Preis
90.351493	164456	35	2.0	15.5	80	6	24	a.A.	
90.351495	164426	25	2.0	20.9	80	6	24	Lg	
90.351503	164457	35	3.0	15.5	80	6	24	a.A.	
90.351505	164427	25	3.0	20.9	80	6	24	Lg	
90.351513	164428	35	4.0	15.5	80	6	24	Lg	
90.351515	164458	25	4.0	20.9	80	6	24	a.A.	
90.351523	164429	35	5.0	15.5	80	6	24	Lg	
90.351525	164459	25	5.0	20.9	80	6	24	a.A.	
90.351550	164438	25	1.0	20.9	80	6	40	a.A.	
90.351551	164424	19	1.0	25.0	80	6	40	Lg	
90.351560	164439	25	1.5	20.9	80	6	40	a.A.	
90.351561	164425	19	1.5	25.0	80	6	40	Lg	

Speziell für Aluminiumbearbeitung:

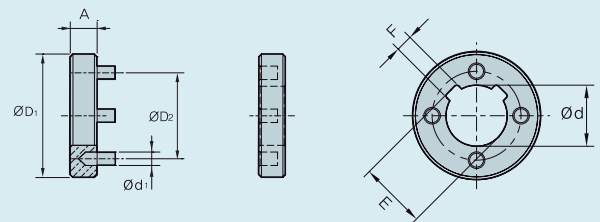
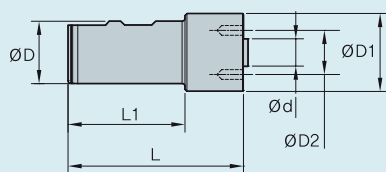
90.351542	179697	19	1.0	18.5	80	6	24	Lg	
90.351543	179702	19	1.5	18.5	80	6	24	Lg	

SPS

Trennfräser



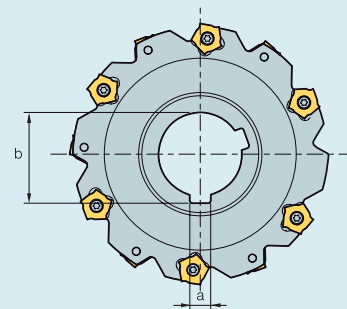
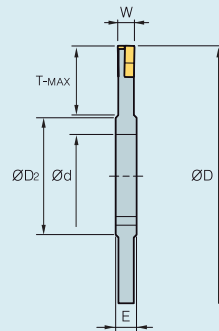
Artikel-Nr.	Bezeichnung	Z	ØD	W	T-MAX	Ød	A1	Fig.	Insert	Adapter WS	Adapter DF	Preis
40.651301	050-0204-08R	4	50	2.2	11	8	1.8	2	SPFN200	WS2528-M4	-	
40.651302	063-0205-10R	5	63	2.2	15.5	10	1.8	3	"	WS2532-M5	-	
40.651303	080-0207-22R/F	7	80	2.2	20/17	22	1.8	1	"	WS3240-M5	DF22-46	
40.651304	100-0209-22R/F	9	100	2.2	30/27	22	1.8	1	"	WS3240-M5	DF22-46	
40.651305	125-0211-32F	11	125	2.2	35	32	1.8	1	"	-	DF32-55	
40.651306	160-0214-32F	14	160	2.2	52.5	32	1.8	1	"	-	DF32-55	
40.651307	063-0305-10R	5	63	3	15.5	10	2.55	3	SPFN300	WS2532-M5	-	
40.651308	080-0307-22R/F	7	80	3	20/17	22	2.55	1	"	WS3240-M5	DF22-46	
40.651309	100-0309-22R/F	9	100	3	30/27	22	2.55	1	"	WS3240-M5	DF22-46	
40.651310	125-0311-32F	11	125	3	35	32	2.55	1	"	-	DF32-55	
40.651311	160-0314-32F	14	160	3	52.5	32	2.55	1	"	-	DF32-55	
40.651312	200-0318-40F	18	200	3	60	40	2.55	1	"	-	DF40-80	
40.651313	080-0406-22R/F	6	80	4	20/17	22	3.4	1	SPFN400	WS3240-M5	DF22-46	
40.651315	125-0410-32F	10	125	4	35	32	3.4	1	"	-	DF32-55	
40.651316	160-0413-32F	13	160	4	52.5	32	3.4	1	"	-	DF32-55	
40.651317	200-0417-40F	17	200	4	60	40	3.4	1	"	-	DF40-80	



Bezeichnung	L	L1	D	D1	D2	d	Schraube	Preis	Bezeichnung	D1	D2	d	d1	A	E	F	Preis
WS2528-M4	110	85	25	28	18	8	PTKA0408		DF22-46	46	32	22	5	10	24.1	6	
WS2532-M5	110	85	25	32	22	10	PTKA0515		DF32-55	55	45	32	6	10	34.8	8	
WS3240-M5	120	90	32	40	32	22	PTKA0515		DF40-80	80	63	40	11	12	43.5	10	

SPPM

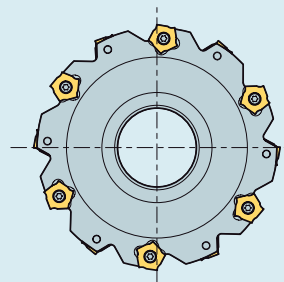
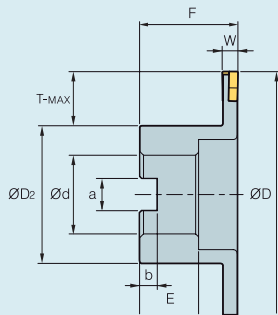
Scheibenfräser



Artikel-Nr.	Bezeichnung	Z	ØD	W	T-MAX	Ød	a	b	E	ØD2	Insert	Schraube	Schlüssel	Preis
40.651227	SPPM 080-04	8	80	4	20	27	7	29.8	8	40	PNEJ1223N	PTMA0403F	TW15S	
40.651228	080-05	8	80	5	20	27	7	29.8	8	40	PNEJ1230N	PTMA0404F	"	
40.651229	080-06	8	80	6	20	27	7	29.8	8	40	PNEJ1235N	PTMA0405F	"	
40.651230	100-04	10	100	4	24	32	8	34.8	8	47	PNEJ1223N	PTMA0403F	"	
40.651231	100-05	10	100	5	24	32	8	34.8	8	47	PNEJ1230N	PTMA0404F	"	
40.651232	100-06	10	100	6	25	32	8	34.8	8	47	PNEJ1235N	PTMA0405F	"	
40.651234	100-08	10	100	8	25	32	8	34.8	10	47	PNEJ1245N	PTKA0407F	"	
40.651235	100-09	10	100	9	25	32	8	34.8	12	47	PNEJ1250N	PTKA0408F	"	
40.651236	100-10	10	100	10	25	32	8	34.8	12	47	PNEJ1255N	PTKA0409F	"	
40.651237	125-04	12	125	4	30	40	10	43.5	8	56	PNEJ1223N	PTMA0403F	"	
40.651238	125-05	12	125	5	32	40	10	43.5	8	56	PNEJ1230N	PTMA0404F	"	
40.651239	125-06	12	125	6	32	40	10	43.5	8	56	PNEJ1235N	PTMA0405F	"	
40.651240	125-07	12	125	7	32	40	10	43.5	10	56	PNEJ1240N	PTMA0406F	"	
40.651241	125-08	12	125	8	32	40	10	43.5	10	56	PNEJ1245N	PTKA0407F	"	
40.651242	125-09	12	125	9	32	40	10	43.5	12	56	PNEJ1250N	PTKA0408F	"	
40.651243	125-10	12	125	10	32	40	10	43.5	12	56	PNEJ1255N	PTKA0409F	"	
40.651245	160-05	16	160	5	45	40	10	43.5	8	66	PNEJ1230N	PTMA0404F	"	
40.651246	160-06	16	160	6	45	40	10	43.5	8	66	PNEJ1235N	PTMA0405F	"	
40.651248	160-08	16	160	8	45	40	10	43.5	10	66	PNEJ1245N	PTKA0407F	"	
40.651250	160-10	16	160	10	45	40	10	43.5	12	66	PNEJ1255N	PTKA0409F	"	
40.651251	160-11	16	160	11	45	40	10	43.5	14	66	PNEJ1260N	PTKA0410F	"	
40.651252	160-12	16	160	12	45	40	10	43.5	14	66	PNEJ1265N	PTKA0411F	"	
40.651253	160-13	16	160	13	45	40	10	43.5	16	66	PNEJ1270N	PTKA0412F	"	
40.651254	160-14	16	160	14	45	40	10	43.5	16	66	PNEJ1275N	PTKA0413F	"	
40.651255	200-06	18	200	6	60	50	12	53.5	8	70	PNEJ1235N	PTMA0405F	"	
40.651256	200-07	18	200	7	60	50	12	53.5	10	70	PNEJ1240N	PTMA0406F	"	
40.651257	200-08	18	200	8	60	50	12	53.5	10	70	PNEJ1245N	PTKA0407F	"	
40.651259	200-10	18	200	10	60	50	12	53.5	12	70	PNEJ1255N	PTKA0409F	"	
40.651260	200-11	18	200	11	60	50	12	53.5	14	70	PNEJ1260N	PTKA0410F	"	
40.651261	200-12	18	200	12	60	50	12	53.5	14	70	PNEJ1265N	PTKA0411F	"	
40.651262	200-13	18	200	13	60	50	12	53.5	16	70	PNEJ1270N	PTKA0412F	"	
40.651263	200-14	18	200	14	60	50	12	53.5	16	70	PNEJ1275N	PTKA0413F	"	

SPBM

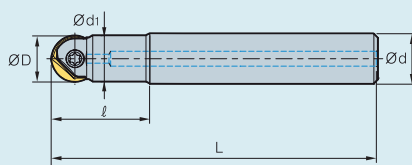
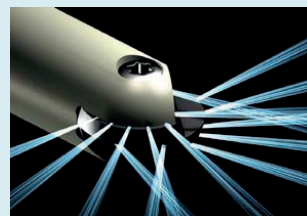
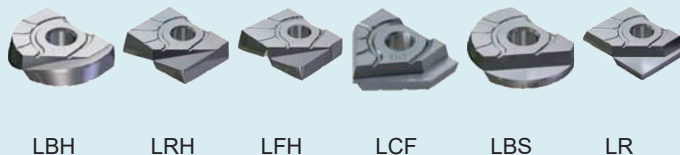
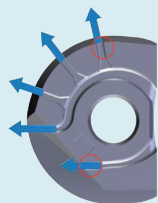
Scheibenfräser



Artikel-Nr.	Bezeichnung	Z	ØD	W	T-MAX	Ød	a	b	F	E	ØD ₂	Insert	Schraube	Schlüssel	Preis
40.651264	SPBM 080-04	8	80	4	18	27	12.4	7	50	22	40	PNEJ1223N	PTMA0403F	TW15S	
40.651265	080-05	8	80	5	18	27	12.4	7	50	22	40	PNEJ1230N	PTMA0404F	"	
40.651266	080-06	8	80	6	18	27	12.4	7	50	22	40	PNEJ1235N	PTMA0405F	"	
40.651267	100-04	10	100	4	21	32	14.4	8	50	28	54	PNEJ1223N	PTMA0403F	"	
40.651268	100-05	10	100	5	21	32	14.4	8	50	28	54	PNEJ1230N	PTMA0404F	"	
40.651269	100-06	10	100	6	21	32	14.4	8	50	28	54	PNEJ1235N	PTMA0405F	"	
40.651270	100-07	10	100	7	21	32	14.4	8	50	28	54	PNEJ1240N	PTMA0406F	"	
40.651271	100-08	10	100	8	21	32	14.4	8	50	28	54	PNEJ1245N	PTMA0407F	"	
40.651272	100-09	10	100	9	21	32	14.4	8	50	28	54	PNEJ1250N	PTMA0408F	"	
40.651273	100-10	10	100	10	21	32	14.4	8	50	28	54	PNEJ1255N	PTMA0409F	"	
40.651274	125-04	12	125	4	25	40	16.4	9	50	30	70	PNEJ1223N	PTMA0403F	"	
40.651275	125-05	12	125	5	25	40	16.4	9	50	30	70	PNEJ1230N	PTMA0404F	"	
40.651276	125-06	12	125	6	25	40	16.4	9	50	30	70	PNEJ1235N	PTMA0405F	"	
40.651277	125-07	12	125	7	25	40	16.4	9	50	30	70	PNEJ1240N	PTMA0406F	"	
40.651278	125-08	12	125	8	25	40	16.4	9	50	30	70	PNEJ1245N	PTMA0407F	"	
40.651279	125-09	12	125	9	25	40	16.4	9	50	30	70	PNEJ1250N	PTMA0408F	"	
40.651280	125-10	12	125	10	25	40	16.4	9	50	30	70	PNEJ1255N	PTMA0409F	"	
40.651281	160-04	16	160	4	43	40	16.4	9	50	30	70	PNEJ1223N	PTMA0403F	"	
40.651282	160-05	16	160	5	43	40	16.4	9	50	30	70	PNEJ1230N	PTMA0404F	"	
40.651283	160-06	16	160	6	43	40	16.4	9	50	30	70	PNEJ1235N	PTMA0405F	"	
40.651285	160-08	16	160	8	43	40	16.4	9	50	30	70	PNEJ1245N	PTMA0407F	"	
40.651286	160-09	16	160	9	43	40	16.4	9	50	30	70	PNEJ1250N	PTMA0408F	"	
40.651287	160-10	16	160	10	43	40	16.4	9	50	30	70	PNEJ1255N	PTMA0409F	"	
40.651288	160-11	16	160	11	43	40	16.4	9	50	30	70	PNEJ1260N	PTMA0410F	"	
40.651289	160-12	16	160	12	43	40	16.4	9	50	30	70	PNEJ1265N	PTMA0411F	"	
40.651290	160-13	16	160	13	43	40	16.4	9	50	30	70	PNEJ1270N	PTMA0412F	"	
40.651291	160-14	16	160	14	43	40	16.4	9	50	30	70	PNEJ1275N	PTMA0413F	"	
40.651292	200-06	18	200	6	53	40	16.4	9	65	30	90	PNEJ1235N	PTMA0405F	"	
40.651293	200-07	18	200	7	53	40	16.4	9	65	30	90	PNEJ1240N	PTMA0406F	"	
40.651294	200-08	18	200	8	53	40	16.4	9	65	30	90	PNEJ1245N	PTMA0407F	"	
40.651295	200-09	18	200	9	53	40	16.4	9	65	30	90	PNEJ1250N	PTMA0408F	"	
40.651296	200-10	18	200	10	53	40	16.4	9	65	30	90	PNEJ1255N	PTMA0409F	"	
40.651297	200-11	18	200	11	53	40	16.4	9	65	30	90	PNEJ1260N	PTMA0410F	"	
40.651298	200-12	18	200	12	53	40	16.4	9	65	30	90	PNEJ1265N	PTMA0411F	"	
40.651299	200-13	18	200	13	53	40	16.4	9	65	30	90	PNEJ1270N	PTMA0412F	"	
40.651300	200-14	18	200	14	53	40	16.4	9	65	30	90	PNEJ1275N	PTMA0413F	"	

LBE..

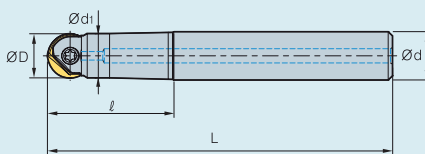
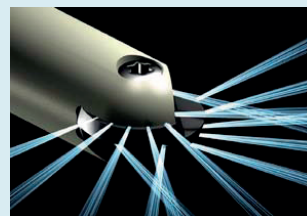
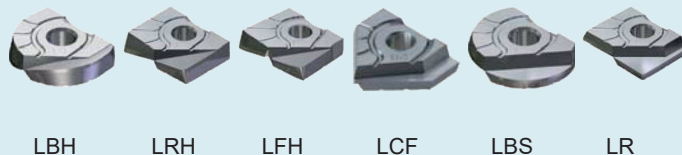
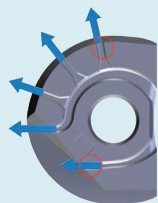
**Zylinderschaft aus Stahl mit innerer Kühlmittelzufuhr
für folgende Platten:**



Art.-Nr.	Bezeichnung	ØD	Ød	Ød1	ℓ	L	Preis		
40.651068	LBE120035S-S12	12, 13	12	11.5	35	91	ETND03509	TWP10S	
40.651069	LBE160035S-S16	16, 17	16	15.5	35	95	ETND0413	TWP15S	
40.651070	LBE200040S-S20	20, 21	20	19.5	40	110	ETKD0516	TWP20	
40.651071	LBE250045S-S25	25, 26	25	24.5	40	125	ETKD0620	TWP25	
40.651072	LBE300055S-S32	30, 31	32	29.5	55	145	ETGD0825	TWP40	
40.651073	LBE320055S-S32	32	32	31.5	55	145	ETGD0825	TWP40	

LBE..

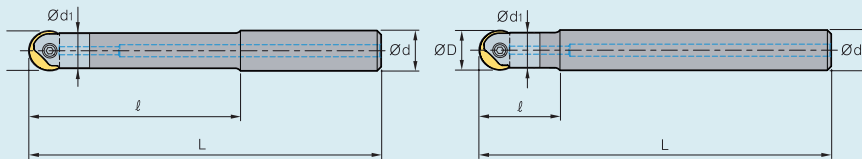
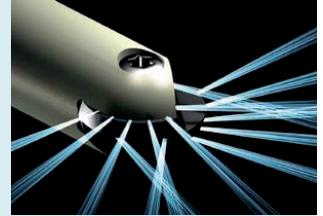
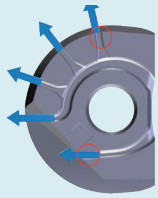
Verstärkter Schaft aus Stahl mit innerer Kühlmittelzufuhr für folgende Platten:



Art.-Nr.	Bezeichnung	ØD	Ød	Ød1	l	L	Preis		
40.651052	LBE080035T-S12	8, 9	12	7.5	35	91	ETND02506F	TWP07S	
40.651053	LBE080055T-S12	8, 9	12	7.5	55	111	ETND02506F	TWP07S	
40.651054	LBE080075T-S12	8, 9	12	7.5	75	131	ETND02506F	TWP07S	
40.651055	LBE100035T-S12	10, 11	12	9.5	35	91	ETND0307F	TWP08S	
40.651056	LBE100055T-S12	10, 11	12	9.5	55	111	ETND0307F	TWP08S	
40.651057	LBE100075T-S12	10, 11	12	9.5	75	131	ETND0307F	TWP08S	
40.651058	LBE120055T-S12	12, 13	12	10.4	55	111	ETND03509	TWP10S	
40.651059	LBE120085T-S16	12, 13	16	11.5	85	145	ETND03509	TWP10S	
40.650981	LBE160065T-S16	16, 17	16	14.0	65	125	ETND0413	TWP15S	
40.650982	LBE160100T-S20	16, 17	20	15.5	100	170	ETND0413	TWP15S	
40.651060	LBE200075T-S20	20, 21	20	17.5	75	145	ETKD0516	TWP20	
40.651061	LBE200115T-S25	20, 21	25	19.5	115	195	ETKD0516	TWP20	
40.651062	LBE250090T-S25	25, 26	25	22.0	90	170	ETKD0620	TWP25	
40.651063	LBE250135T-S32	25, 26	32	24.5	135	225	ETKD0620	TWP25	
40.651064	LBE300105T-S32	30, 31	32	29.5	105	195	ETGD0825	TWP40	
40.651065	LBE300160T-S32	30, 31	32	29.5	160	250	ETGD0825	TWP40	
40.651066	LBE320105T-S32	32	32	29.0	105	195	ETGD0825	TWP40	
40.651067	LBE320160T-S32	32	32	29.0	160	250	ETGD0825	TWP40	

LBE..

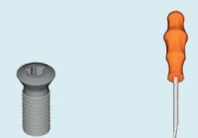
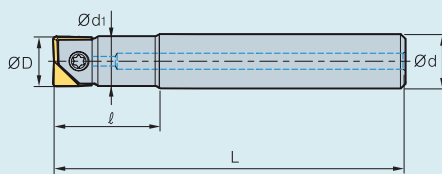
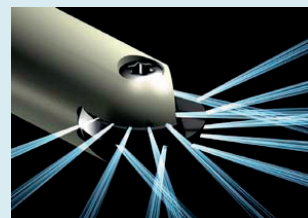
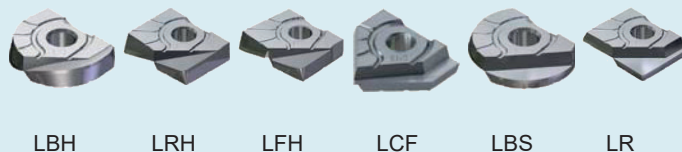
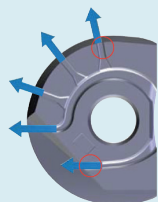
Zylinderschaft aus Hartmetall mit innerer Kühlmittelzufuhr für folgende Platten:



Art.-Nr.	Bezeichnung	ØD	Ød	Ød1	ℓ	L	Preis		
40.651021	LBE080080S-S08C	8, 9	8	7.5	80	136	ETND02506F	TWP07S	
40.651022	LBE080100S-S08C	8, 9	8	7.5	100	156	ETND02506F	TWP07S	
40.651023	LBE080020S-S08C-130	8, 9	8	7.5	20	130	ETND02506F	TWP07S	
40.651024	LBE080020S-S08C-150	8, 9	8	7.5	20	150	ETND02506F	TWP07S	
40.651025	LBE100080S-S10C	10, 11	10	9.5	80	136	ETND0307F	TWP08S	
40.651026	LBE100120S-S10C	10, 11	10	9.5	120	176	ETND0307F	TWP08S	
40.651027	LBE100023S-S10C-130	10, 11	10	9.5	23	130	ETND0307F	TWP08S	
40.651028	LBE100023S-S10C-170	10, 11	10	9.5	23	170	ETND0307F	TWP08S	
40.651029	LBE120100S-S12C	12, 13	12	11.5	100	156	ETND03509	TWP10S	
40.651030	LBE120150S-S12C	12, 13	12	11.5	150	206	ETND03509	TWP10S	
40.651031	LBE120025S-S12C-150	12, 13	12	11.5	25	150	ETND03509	TWP10S	
40.651032	LBE120025S-S12C-200	12, 13	12	11.5	25	200	ETND03509	TWP10S	
40.650983	LBE160100S-S16C	16, 17	16	15.5	100	160	ETND0413	TWP15S	
40.651033	LBE160150S-S16C	16, 17	16	15.5	150	210	ETND0413	TWP15S	
40.651034	LBE160030S-S16C-160	16, 17	16	15.5	30	160	ETND0413	TWP15S	
40.651035	LBE160030S-S16C-210	16, 17	16	15.5	30	210	ETND0413	TWP15S	
40.651036	LBE200120S-S20C	20, 21	20	19.5	120	190	ETKD0516	TWP20	
40.651037	LBE200170S-S20C	20, 21	20	19.5	170	240	ETKD0516	TWP20	
40.651038	LBE200035S-S20C-190	20, 21	20	19.5	35	190	ETKD0516	TWP20	
40.651039	LBE200035S-S20C-240	20, 21	20	19.5	35	240	ETKD0516	TWP20	
40.651040	LBE250140S-S25C	25, 26	25	24.5	140	220	ETKD0620	TWP25	
40.651041	LBE250170S-S25C	25, 26	25	24.5	170	250	ETKD0620	TWP25	
40.651042	LBE250040S-S25C-220	25, 26	25	24.5	40	220	ETKD0620	TWP25	
40.651043	LBE250040S-S25C-250	25, 26	25	24.5	40	250	ETKD0620	TWP25	
40.651044	LBE300140S-S32C	30, 31	32	29.5	140	230	ETGD0825	TWP40	
40.651045	LBE300170S-S32C	30, 31	32	29.5	170	260	ETGD0825	TWP40	
40.651046	LBE300050S-S32C-230	30, 31	32	29.5	50	230	ETGD0825	TWP40	
40.651047	LBE300050S-S32C-260	30, 31	32	29.5	50	260	ETGD0825	TWP40	
40.651048	LBE320140S-S32C	32	32	31.5	140	230	ETGD0825	TWP40	
40.651049	LBE320170S-S32C	32	32	31.5	170	260	ETGD0825	TWP40	
40.651050	LBE320050S-S32C-230	32	32	31.5	50	230	ETGD0825	TWP40	
40.651051	LBE320050S-S32C-260	32	32	31.5	50	260	ETGD0825	TWP40	

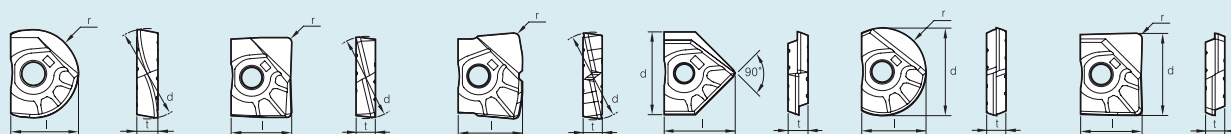
LRE..

Zylinderschaft aus Stahl mit innerer Kühlmittelzufuhr für folgende Platten:



Art.-Nr.	Bezeichnung	ØD	Ød	Ød1	l	L	Preis		
40.651112	LRE120030S-S12	12, 13	12	11.5	30	111	ETND03509	TWP10S	
40.651115	LRE200060S-S20	20, 21	20	19.5	60	145	ETKD0516	TWP20	
40.651116	LRE200080S-S20	20, 21	20	19.5	80	180	ETKD0516	TWP20	

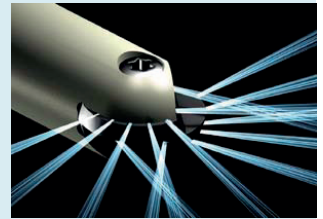
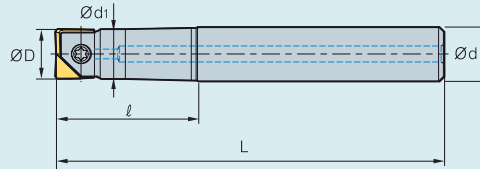
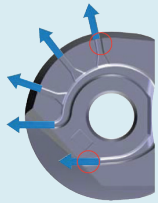
Übersicht Kombinationsmöglichkeiten



Halter	LBH	LRH		LFH	LCF	LBS	LR	
LBE080	LBH080					LBS080		
LBE100 LRE100	LBH100	LRH100-R05 LRH100-R20	LRH100-R10	LFH100		LBS100	LR100-R05 LR100-R20	LR100-R10
LBE120 LRE120	LBH120	LRH120-R05 LRH120-R20	LRH120-R10	LFH120		LBS120	LR120-R05 LR120-R20	LR120-R10
LBE160 LRE160	LBH160	LRH160-R05 LRH160-R20	LRH160-R10 LRH160-R30	LFH160	LCF160-D90	LBS160	LR160-R05 LR160-R20	LR160-R10 LR160-R30
LBE200 LRE200	LBH200	LRH200-R05 LRH200-R20	LRH200-R10 LRH200-R30	LFH200	LCF200-D90	LBS200	LR200-R05 LR200-R20	LR200-R10 LR200-R30
LBE250 LRE250	LBH250	LRH250-R05 LRH250-R20	LRH250-R10 LRH250-R30	LFH250	LCF250-D90	LBS250	LR250-R05 LR250-R20	LR250-R10 LR250-R30
LBE300 LRE300	LBH300	LRH300-R10 LRH300-R30	LRH300-R20	LFH300		LBS300	LR300-R10 LR300-R30	LR300-R20
LBE320 LRE320	LBH320	LRH320-R10 LRH320-R30	LRH320-R20	LFH320		LBS320	LR320-R10 LR320-R30	LR320-R20

LRE..

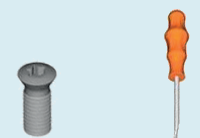
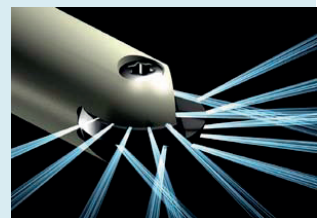
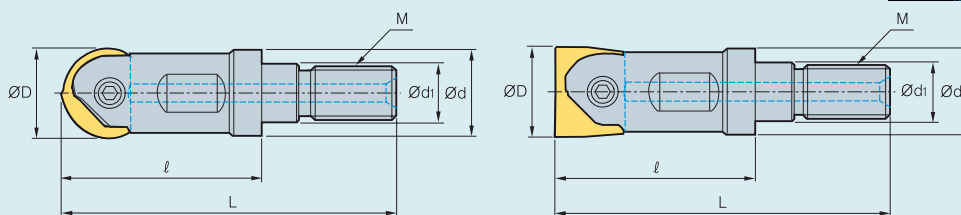
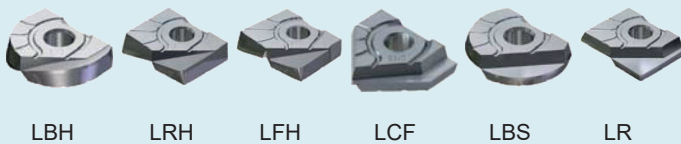
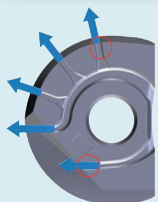
Verstärkter-Schaft aus Stahl mit innerer Kühlmittelzufuhr für folgende Platten:



Art.-Nr.	Bezeichnung	ØD	Ød	Ød1	ℓ	L	Preis		
40.651109	LRE100025T-S12	10, 11	12	9.5	25	111	ETND0307F	TWP08S	
40.651110	LRE100050T-S12	10, 11	12	9.5	50	150	ETND0307F	TWP08S	
40.651111	LRE120060T-S16	12, 13	16	11.5	60	160	ETND03509	TWP10S	

LBE MHD

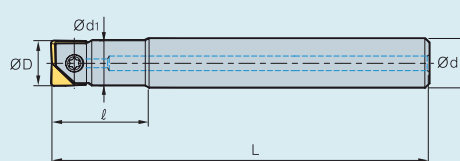
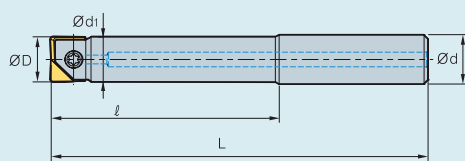
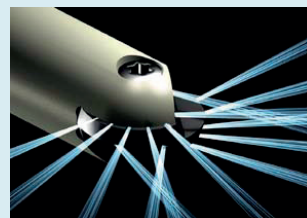
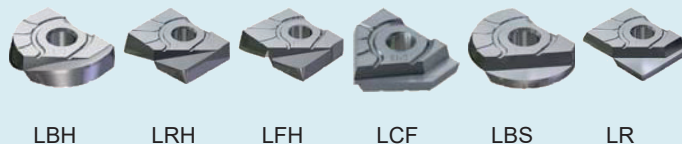
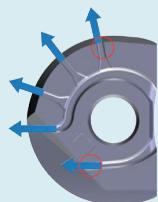
Einschraubfräser mit innerer Kühlmittelzufuhr für folgende Platten:



Art.-Nr.	Bezeichnung	M	ØD	L	ℓ	Ød	Ød1	Preis		
40.651074	LBE100-MHD-M06	M06	10, 11	40	25	9.5	6.5	ETND0307F	TWP08S	
40.651075	LBE120-MHD-M06	M06	12, 13	40	25	11	6.5	ETND03509	TWP10S	
40.651076	LBE160-MHD-M08	M08	16, 17	47	30	14.5	8.5	ETND0413	TWP15S	
40.651077	LBE200-MHD-M10	M10	20, 21	56	35	18	10.5	ETKD0516	TWP20	
40.651078	LBE250-MHD-M12	M12	25, 26	69	45	22.5	12.5	ETKD0620	TWP25	
40.651079	LBE300-MHD-M16	M16	30, 31	77	50	28	17	ETGD0825	TWP40	
40.651080	LBE320-MHD-M16	M16	32	77	50	29	17	ETGD0825	TWP40	

LRE..

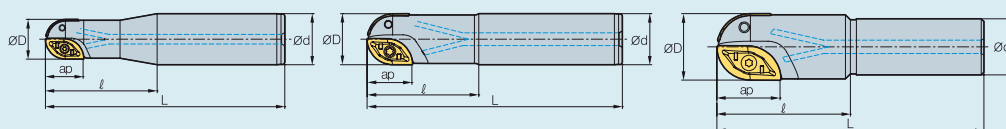
**Zylinderschaft aus Hartmetall mit innerer Kühlmittelzufuhr
für folgende Platten:**



Art.-Nr.	Bezeichnung	ØD	Ød	Ød1	ℓ	L	Preis		
40.651081	LRE100080S-S10C	10, 11	10	9.5	80	136	ETND0307F	TWP08S	
40.651083	LRE100023S-S10C-130	10, 11	10	9.5	23	130	ETND0307F	TWP08S	
40.651084	LRE100023S-S10C-170	10, 11	10	9.5	23	170	ETND0307F	TWP08S	
40.651085	LRE120100S-S12C	12, 13	12	11.5	100	156	ETND03509	TWP10S	
40.651086	LRE120150S-S12C	12, 13	12	11.5	150	206	ETND03509	TWP10S	
40.651087	LRE120025S-S12C-150	12, 13	12	11.5	25	150	ETND03509	TWP10S	
40.651089	LRE160100S-S16C	16, 17	16	15.5	100	160	ETND0413	TWP15S	
40.651090	LRE160150S-S16C	16, 17	16	15.5	150	210	ETND0413	TWP15S	
40.651091	LRE160030S-S16C-160	16, 17	16	15.5	30	160	ETND0413	TWP15S	
40.651093	LRE200120S-S20C	20, 21	20	19.5	120	190	ETKD0516	TWP20	
40.651096	LRE200035S-S20C-240	20, 21	20	19.5	35	240	ETKD0516	TWP20	

GBE..

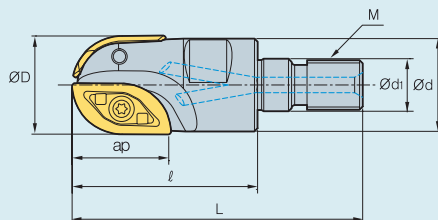
Einschraubfräser mit innerer Kühlmittelzufuhr für folgende Platten:



Art.-Nr.	Bezeichnung	ØD	Ød	l	L	ap	Preis	WSP innen	WSP ausen		
40.651128	GBE160-S20	16	20	50	130	15		ZPET080M	ZPET080S	FTKA02555S	TW08S
40.651130	GBE200-S25	20	25	60	140	18		ZPET100M	ZPET100S	FTKA0307	TW09S
40.651131	GBE200-L25	20	25	80	250	18		ZPET100M	ZPET100S	FTKA0307	TW09S
40.651132	GBE250-S32	25	32	70	150	23		ZPET125M	ZPET125S	FTKA0409	TW15S
40.651133	GBE250-L32	25	32	100	300	23		ZPET125M	ZPET125S	FTKA0409	TW15S
40.651134	GBE300-S32	30	32	70	160	27		ZPET150M	ZPET150S	FTGA0511-P	TW20-100
40.651135	GBE300-L32	30	32	120	350	27		ZPET150M	ZPET150S	FTGA0511-P	TW20-100
40.651136	GBE320-S32	32	32	70	160	28		ZPET160M	ZPET160S	FTGA0511-P	TW20-100
40.651137	GBE320-L32	32	32	120	350	28		ZPET160M	ZPET160S	FTGA0511-P	TW20-100
40.651138	GBE400-S40	40	40	100	200	37		ZPET200M	ZPET200S	FTGA0614	TW20-100
40.651139	GBE400-L40	40	40	150	350	37		ZPET200M	ZPET200S	FTGA0614	TW20-100
40.651140	GBE500-S40	50	40	100	200	47		ZPET250M	ZPET250S	FTGA0818	TW25-100
40.651141	GBE500-L40	50	40	100	350	47		ZPET250M	ZPET250S	FTGA0818	TW25-100

GBEM..

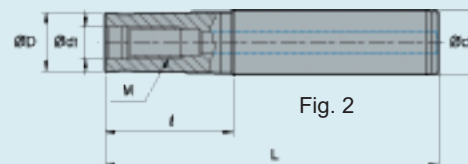
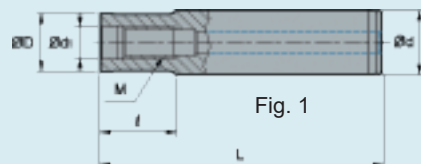
Einschraubfräser mit innerer Kühlmittelzufuhr für folgende Platten:



Art.-Nr.	Bezeichnung	ØD	Ød	Ød1	l	L	M	ap	Preis	WSP innen	WSP ausen		
40.651123	GBEM 160-M08	16	15	8.5	30	47	M8	15		ZPET080M	ZPET080S	FTKA02555	TW08S
40.651124	GBEM 200-M10	20	18.6	10.5	35	56	M10	18		ZPET100M	ZPET100S	FTKA0307	TW09S
40.651125	GBEM 250-M12	25	23.2	12.5	45	69	M12	23		ZPET125M	ZPET125S	FTKA0409	TW15S
40.651126	GBEM 300-M16	30	27.8	17	50	77	M16	27		ZPET150M	ZPET150S	FTGA0511-P	TW20-100
40.651127	GBEM 320-M16	32	29.8	17	50	77	M16	28		ZPET160M	ZPET160S	FTGA0511-P	TW20-100

MAT

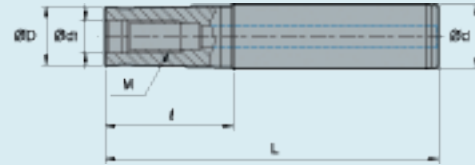
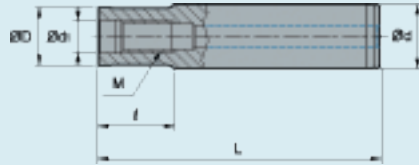
Stahlschaft für folgende Fräser:



Art.-Nr.	Bezeichnung	ØD	Ød	Ød1	l	L	M	Fig.	Preis
40.620825	MAT-M06-020-S10S	9.5	10	6.5	20	70	M06	1	
40.620826	MAT-M6B-020-S12S	11.0	12	6.5	20	76	M06	1	
40.620827	MAT-M6B-040-S12S	11.0	12	6.5	40	96	M06	1	
40.690066	MAT-M08-020-S16S	14.5	16	8.5	20	80	M08	1	
40.690071	MAT-M10-030-S20S	18.0	20	10.5	30	100	M10	1	
40.690077	MAT-M12-030-S25S	22.5	25	12.5	29	110	M12	1	
40.690083	MAT-M16-035-S32S	28.5	32	17.0	35	125	M16	1	
40.620828	MAT-M06-040-S12T	9.5	12	6.5	40	96	M06	2	
40.620829	MAT-M06-065-S16T	9.5	16	6.5	65	125	M06	2	
40.620830	MAT-M6B-065-S16T	11.0	16	6.5	65	125	M06	2	
40.620831	MAT-M6B-080-S16T	11.0	16	6.5	80	140	M06	2	
40.690067	MAT-M08-040-S16T	14.5	16	8.5	40	100	M08	2	
40.690068	MAT-M08-065-S16T	14.5	16	8.5	65	125	M08	2	
40.690069	MAT-M08-080-S20T	14.5	20	8.5	80	150	M08	2	
40.690070	MAT-M08-110-S25T	14.5	25	8.5	110	190	M08	2	
40.690072	MAT-M10-050-S20T	18.0	20	10.5	50	120	M10	2	
40.690073	MAT-M10-070-S20T	18.0	20	10.5	70	140	M10	2	
40.690074	MAT-M10-090-S25T	18.0	25	10.5	90	170	M10	2	
40.690075	MAT-M10-110-S25T	18.0	25	10.5	110	190	M10	2	
40.690076	MAT-M10-130-S32T	18.0	32	10.5	130	220	M10	2	
40.690078	MAT-M12-050-S25T	22.5	25	12.5	50	130	M12	2	
40.690079	MAT-M12-070-S25T	22.5	25	12.5	70	150	M12	2	
40.690080	MAT-M12-090-S25T	22.5	25	12.5	90	170	M12	2	
40.690081	MAT-M12-110-S32T	22.5	32	12.5	110	200	M12	2	
40.690082	MAT-M12-175-S40T	22.5	40	12.5	175	300	M12	2	
40.690084	MAT-M16-055-S32T	28.5	32	17.0	55	145	M16	2	
40.690085	MAT-M16-080-S32T	28.5	32	17.0	80	170	M16	2	
40.690086	MAT-M16-120-S32T	28.5	32	17.0	120	210	M16	2	
40.690087	MAT-M16-175-S40T	28.5	40	17.0	175	300	M16	2	

MAT C

Zylinderschaft aus Hartmetall für folgende Fräser:



Art.-Nr.	Bezeichnung	ØD1	Ød	Ød1	l	L	M	Preis
40.670071	MAT-M06-030-S10S-C-80	9.5	10		30	80	M6	
40.670072	MAT-M06-050-S10S-C-100	9.5	10		50	100	M6	
40.670073	MAT-M06-080-S10S-C-130	9.5	10		80	130	M6	
40.670074	MAT-M6B-030-S12S-C-80	11	12		30	80	M6	
40.670075	MAT-M6B-050-S12S-C-100	11	12		50	100	M6	
40.670076	MAT-M6B-080-S12S-C-130	11	12		80	130	M6	
40.690045	MAT-M08-080-S16S-C	14.5	16	8.5	80	150	M08	
40.690046	MAT-M08-110-S16S-C	14.5	16	8.5	110	180	M08	
40.690047	MAT-M08-150-S16S-C	14.5	16	8.5	150	250	M08	
40.690042	MAT-M08-010-S16S-C-150	14.5	16	8.5	10	150	M08	
40.690043	MAT-M08-010-S16S-C-180	14.5	16	8.5	10	180	M08	
40.690044	MAT-M08-010-S16S-C-250	14.5	16	8.5	10	250	M08	
40.690051	MAT-M10-090-S20S-C	18.0	20	10.5	90	170	M10	
40.690052	MAT-M10-110-S20S-C	18.0	20	10.5	110	200	M10	
40.690053	MAT-M10-175-S20S-C	18.0	20	10.5	175	300	M10	
40.690048	MAT-M10-010-S20S-C-170	18.0	20	10.5	10	170	M10	
40.690049	MAT-M10-010-S20S-C-200	18.0	20	10.5	10	200	M10	
40.690050	MAT-M10-010-S20S-C-300	18.0	20	10.5	10	300	M10	
40.690057	MAT-M12-090-S25S-C	22.5	25	12.5	90	170	M12	
40.690058	MAT-M12-110-S25S-C	22.5	25	12.5	110	200	M12	
40.690059	MAT-M12-175-S25S-C	22.5	25	12.5	175	300	M12	
40.690054	MAT-M12-015-S25S-C-170	22.5	25	12.5	15	170	M12	
40.690055	MAT-M12-015-S25S-C-200	22.5	25	12.5	15	200	M12	
40.690056	MAT-M12-015-S25S-C-300	22.5	25	12.5	15	300	M12	
40.690063	MAT-M16-090-S32S-C	28.5	32	17.0	90	180	M16	
40.690064	MAT-M16-120-S32S-C	28.5	32	17.0	120	210	M16	
40.690065	MAT-M16-175-S32S-C	28.5	32	17.0	175	300	M16	
40.690060	MAT-M16-020-S32S-C-180	28.5	32	17.0	20	180	M16	
40.690061	MAT-M16-020-S32S-C-210	28.5	32	17.0	20	210	M16	
40.690062	MAT-M16-020-S32S-C-300	28.5	32	17.0	20	300	M16	
10.601093	CY 10-150-SC-M6	10	10	6.5	53	150	M6	
10.601098	CY 12-150-SC-M6	12	12	6.5	58	150	M6	
10.601100	CY 16-200-SC-M8	16	16	8.5	56	200	M8	
10.601103	CY 20-200-SC-M10	20	20	10.5	77	200	M10	
10.601105	CY 25-250-SC-M12	25	25	12.5	93	250	M12	
10.601107	CY 32-300-SC-M16	32	32	16.5	109	300	M16	

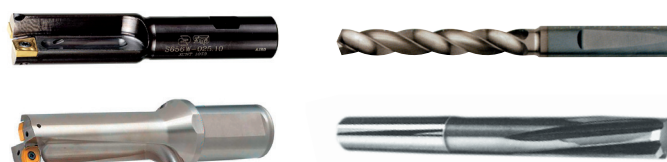
Drehen *Tournage*



Fräsen *Fraisage*



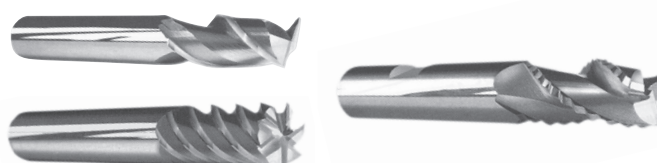
Bohren *Perçage*



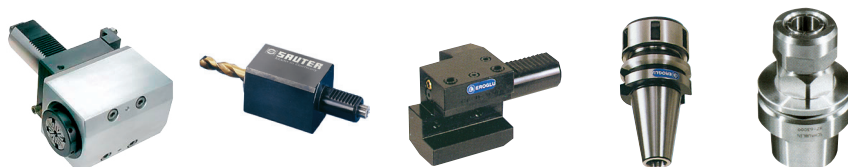
Wendeplatten *Plaquettes*



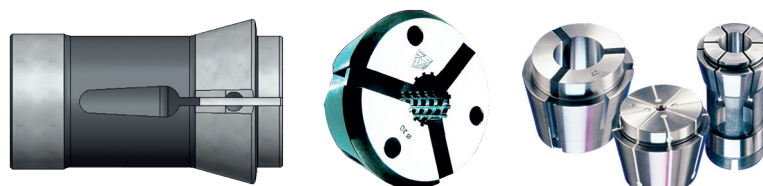
Vollhartmetall-, Pulver-HSS- und HSS-Werkzeuge *Outils en carbure monobloc, HSS et HSS fritté*



Werkzeugaufnahmen *Porte-outils*



Spannmittel *Moyen de serrage*



Geräte *Appareils*

