
RRD

RUNDPLATTENFRÄSER

VIELSEITIGES LEISTUNGSSPEKTRUM UND LANGE
WERKZEUGSTANDZEIT



*M*plus...

RRD

PRODUKTEIGENSCHAFTEN



- Runde Wendschneidplatte für den Formen- und Gesenkbau
- Vielseitige Palette von WSP-Sorten für Bearbeitungsaufgaben bis zu 60 HRC
- Umfangreiches Angebot an Fräsern in Aufsteck-, Einschraub-, Zylinder- und Weldon-Schaft
- Umfassende Bandbreite an WSP-Größen: R2.5, R3.5, R5.0, R6.0 und R8.0

RRD

RUNDE WSP

RRD-FRÄSER



EIGENSCHAFTEN

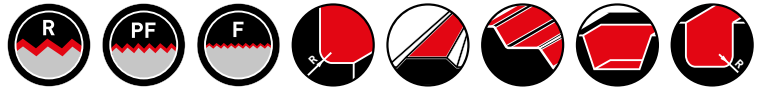
Die WSP sind in drei unterschiedlichen Toleranzen verfügbar – für alle Anwendungen.

RDHX	RDZX	RDMX
<ul style="list-style-type: none"> • Geschliffen (Toleranz H) • Für hohe Präzision • Zum Vorschlichten und Schlichten 	<ul style="list-style-type: none"> • Präzisionsgesintert (Toleranz E) • Für den Allzweck Einsatz • Wirtschaftliche WSP mit langer Werkzeugstandzeit 	<ul style="list-style-type: none"> • Gesintert (Toleranz M) • Für den Allzweck Einsatz • Zum Schruppen und Vorschlichten

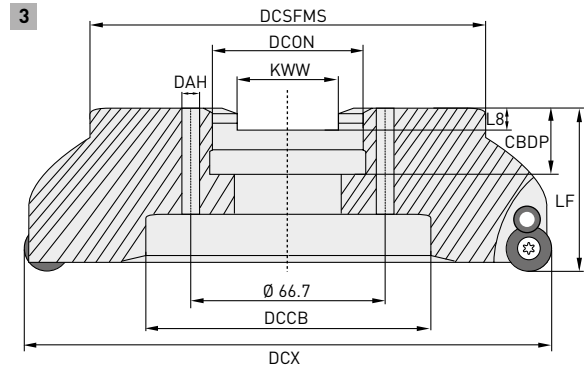
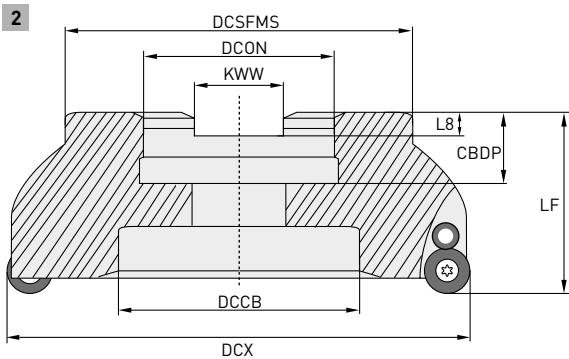
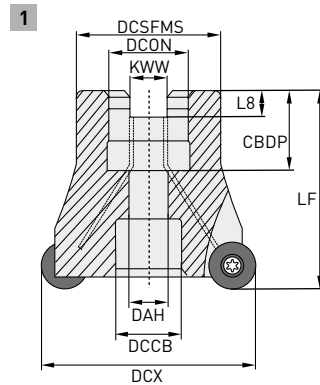
SORTENÜBERSICHT

↑ Verschleiß- widerstand	Beschichtetes Hartmetall					Unbeschichtetes Hartmetall	Beschichtetes Hartmetall			Unbeschichtetes Hartmetall	Beschichtetes Hartmetall										
	P						K				H										
	P01	VP05HT	VP10H	VP15TF	VP20M	F7030	UT120T	K01	K10	K20	K30	VP15TF	UT120T	H01	H10	H20	H30	VP05HT	VP10H	VP15TF	
↓ Zähigkeit	P20																				
	P30																				
	P40																				

RRD N



P K H



Werkzeug nur in Rechtsausführung.

AUFSTECKFRÄSER (neutral)






Bestellnummer	Lager	APMX	DCX	DC	LF	DCON	CBDP	DAH	DCSFMS	KWW	L8	DCCB	ZEFP	Typ		
RRD050N-042A06R	●	5	42	32	44	16	18	9	33	8.4	5.7	15	6	○	1	RDH/M/Z
RRD050N-052A07R	●	5	52	42	50	22	20	11	44	10.4	6.3	18	7	○	1	1003M0
RRD060N-042A05R	●	6	42	30	42	16	18	9	33	8.4	5.7	15	5	○	1	
RRD060N-050A05R	●	6	50	38	50	22	20	11	44	10.4	6.3	18	5	○	1	RDH/M/Z
RRD060N-052A05R	●	6	52	40	50	22	20	11	44	10.4	6.3	18	5	○	1	12T3M0
RRD060N-063A06R	●	6	63	51	50	22	20	11	44	10.4	6.3	18	6	○	1	
RRD080N-050A04R	●	8	50	34	50	22	20	11	44	10.4	6.3	18	4	○	1	
RRD080N-052A04R	●	8	52	36	50	22	20	11	4	10.4	6.3	18	4	○	1	
RRD080N-052A05R	●	8	52	36	50	22	20	11	4	10.4	6.3	18	5	○	1	
RRD080N-063A05R	●	8	63	47	50	22	20	11	4	10.4	6.3	18	5	○	1	
RRD080N-066A05R	●	8	66	50	50	27	22	13.5	53	12.4	7.2	20	5	○	1	RDH/M/Z
RRD080N-080A06R	●	8	80	64	52	27	22	13.5	64	12.4	7.2	20	6	○	1	1604M0
RRD080N-100A07R	●	8	100	84	52	32	29	—	72	14.4	8	46	7	—	2	
RRD080N-125B08R	●	8	125	109	52	40	30	—	82	16.4	9	58	8	—	2	
RRD080N-160C09R	□	8	160	144	52	40	29	14	90	16.4	9	92	9	—	3	

1. ○ = Mit Kühlmittelbohrungen

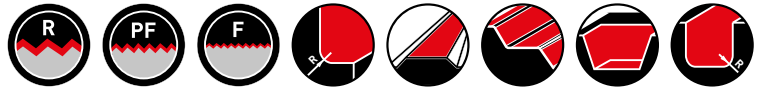


RRD N

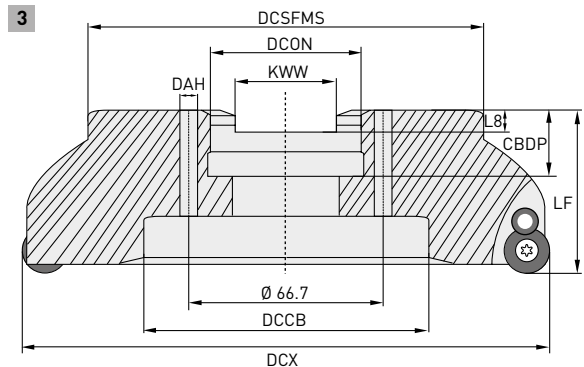
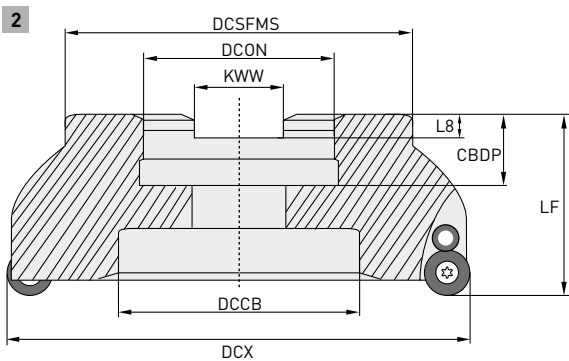
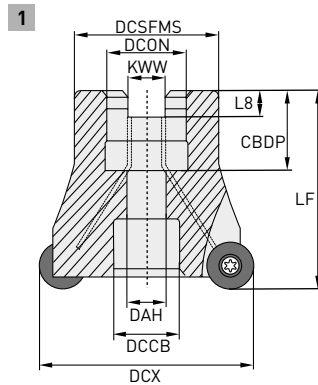
ERSATZTEILE

Referenzprodukt	RE					
		Klemmscheibe	Schraube für Klemmscheibe	Spannschraube	Klemmschraube	Schlüssel
RRD050N-	042A06R	5			—	
	052A07R					
RRD060N-	042A05R	6	—	B-TS35	TS1001	TKY15F
	050A05R					
	052A05R					
	063A06R					
	050A04R					
RRD080N-	052A04R	8	KS-12	B-TS45	214	—
	052A05R					
	063A05R					
	066A05R					
	080A06R					
	100A07R					
	125B08R					
160C09R						

RRD P



P K H



Werkzeug nur in Rechtsausführung.

AUFSTECKFRÄSER (positiv)






Bestellnummer	Lager	APMX	DCX	DC	LF	DCON	CBDP	DAH	DCSFMS	KWW	L8	DCCB	ZIFP	Typ
RRD060P-050A05R	●	6	50	38	50	22	20	11	44	10.4	6.3	18	5	○ 1
RRD060P-052A05R	●	6	52	40	50	22	20	11	44	10.4	6.3	18	5	○ 1
RRD060P-063A06R	●	6	63	51	50	22	20	11	44	10.4	6.3	18	6	○ 1
RRD060P-066A06R	●	6	66	54	52	27	22	13.5	53	12.4	7.2	20	6	○ 1
RRD060P-080A07R	●	6	80	68	50	27	22	13.5	64	12.4	7.2	20	7	○ 1
RRD080P-050A04R	●	8	50	34	50	22	20	11	44	10.4	6.3	18	4	○ 1
RRD080P-063A05R	●	8	63	47	50	22	20	11	44	10.4	6.3	18	5	○ 1
RRD080P-066A05R	●	8	66	50	50	27	22	13.5	53	12.4	7.2	20	5	○ 1
RRD080P-080A06R	●	8	80	64	52	27	22	13.5	64	12.4	7.2	20	6	○ 1
RRD080P-100A07R	●	8	100	84	52	32	29	—	72	14.4	8	46	7	— 2
RRD080P-125B08R	●	8	125	109	52	40	30	—	82	16.4	9	58	8	— 2
RRD080P-160C09R	●	8	160	144	52	40	29	14	90	16.4	9	92	9	— 3

1. ○ = Mit Kühlmittelbohrungen

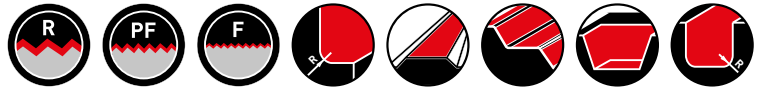


RRD P

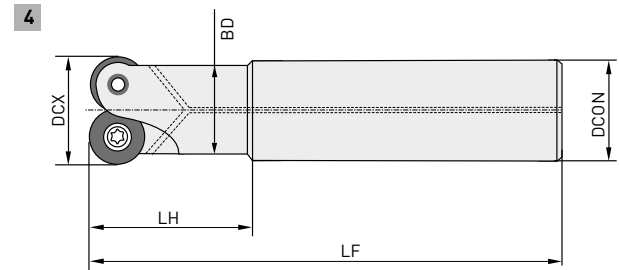
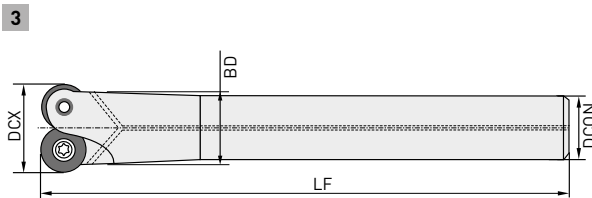
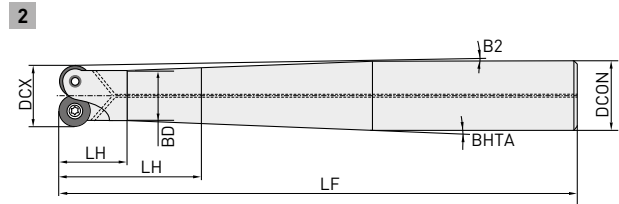
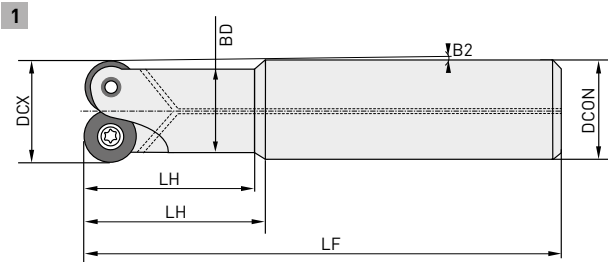
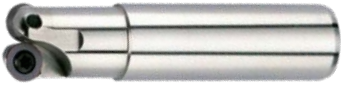
ERSATZTEILE

Referenzprodukt	RE						
		Klemmscheibe	Schraube für Klemmscheibe	Spannschraube	Klemmschraube	Schlüssel	
RRD060P-	050A05R						
	052A05R						
	063A06R	6	—	—	B-TS35	TS1001	TKY15F
	066A06R						
	080A07R						
RRD080P-	050A04R						
	063A05R						
	066A05R						
	080A06R	8	KS-12	B-TS45	214	—	TKY20F
	100A07R						
	125B08R						
	160C09R						

RRD




P K H








Werkzeug nur in Rechtsausführung.

ZYLINDERSCHAFT

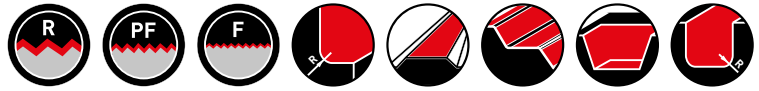
Bestellnummer	Lager	APMX	DCX	DCON	LF	LU	LH	BD	B2	BHTA	ZEFP	Typ	
RRD025R102S10Z	●	2.5	10	10	75	—	23	—	—	0.89	2	4	RDH/Z 0501M0
RRD025R123S12Z	●	2.5	12	12	75	—	23	11	—	—	3	4	
RRD025R154S16Z	●	2.5	15	16	80	22	22.5	14	1.4	45	4	1	
RRD035R122S10Z	●	3.5	12	10	75	23	—	11	—	—	2	3	RDH/M/Z 07T1M0
RRD035R122S12Z	●	3.5	12	12	75	—	23	11	—	—	2	4	
RRD035R122S16Z	□	3.5	12	16	88	15	18.4	11	4	8.37	2	2	
RRD035R122S16ZL	●	3.5	12	16	128	15	22.4	11	2.36	3.87	2	2	RDH/M/Z 0702M0
RRD035R122S16ZM	●	3.5	12	16	109	15	22.4	11	2.36	3.87	2	2	
RRD035R152S16Z	□	3.5	15	16	88	18	27.6	14	1	6.52	2	2	
RRD035R152S16ZM	●	3.5	15	16	108	18	41.4	14	0.59	2.69	2	2	RDH/M/Z 0702M0
RRD035R152S20Z	●	3.5	15	20	130	20	35.6	14	2.12	4.04	2	2	
RRD035R152S20ZM	●	3.5	15	20	150	20	41.7	14	1.64	2.9	2	2	
RRD035R152S25Z	□	3.5	15	25	176	20	36.8	14	2.64	3.8	2	2	RDH/M/Z 07T1M0
RRD035R153S12Z	□	3.5	15	12	75	17	—	12.8	—	—	3	3	
RRD035R153S16Z	□	3.5	15	16	78	29.5	30	14	1.08	45	3	1	
RRD050R202S20Z	●	5	20	20	90	—	31	18	—	—	2	4	RDH/M/Z 1003M0
RRD050R202S20ZM	●	5	20	20	110	—	51	18	—	—	2	4	
RRD050R202S25Z	●	5	20	25	136	68.5	69.5	18	2.13	45	2	1	
RRD050R202S25ZL	●	5	20	25	176	108.5	109.5	18	1.34	45	2	1	RDH/M/Z 1003M0
RRD050R202S25ZM	●	5	20	25	156	88.5	89.5	18	1.64	45	2	1	

RRD

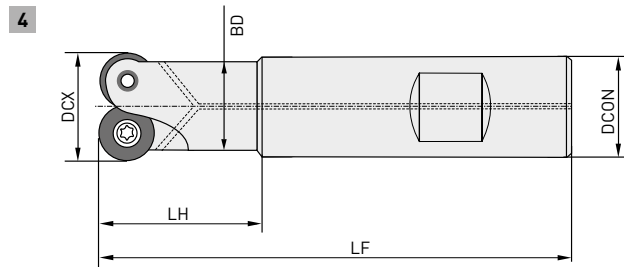
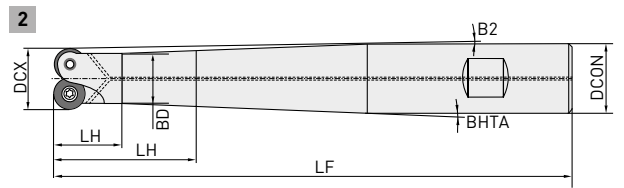
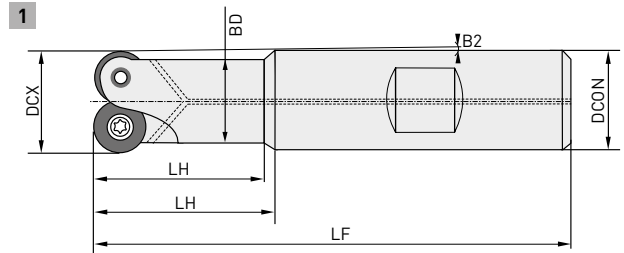
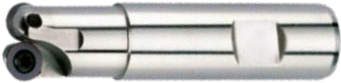
ERSATZTEILE

Referenzprodukt	RE						
		Klemmscheibe	Schraube für Klemmscheibe	Spannschraube	Klemmschraube	Schlüssel	
RRD025R-	102S10Z						
	123S12Z	2.5	—	—	B-TS20	—	TKY06F
	54S16Z						
RRD035R-	122S10Z						
	122S12Z						
	122S16Z	3.5	—	—	B-TS253	—	TKY07F
	122S16ZL						
	122S16ZM						
	152S16Z						
	152S16ZM						
	152S20Z		—	—	TS25	—	TKY08F
	152S20ZM						
	152S25Z						
RRD050R-	153S12Z		—	—	TS253	—	TKY08F
	153S16Z						
	202S20Z						
	202S20ZM						
	202S25Z	5	—	—	B-TS35	—	TKY15F
	202S25ZL						
	202S25ZM						

RRD




P K H








Werkzeug nur in Rechtsausführung.

WELDON-SCHAFT

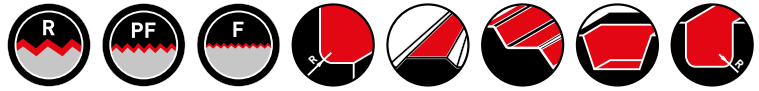
Bestellnummer	Lager	APMX	DCX	DCON	LF	LU	LH	BD	B2	BHTA	ZEFP	Typ	
RRD035R122S16W	●	3.5	12	16	88	15	18.4	11	4	8.37	2	2	RDH/M/Z 07T1M0
RRD035R122S16WL	●	3.5	12	16	128	15	22.4	11	2.36	3.87	2	2	
RRD035R122S16WM	□	3.5	12	16	108	15	22.4	11	2	3.87	2	2	
RRD035R152S16W	□	3.5	15	16	88	18	27.6	12.8	1	6.52	2	2	RDH/M/Z 0702M0
RRD035R152S16WM	□	3.5	15	16	108	18	41.38	12.8	0.59	2.69	2	2	
RRD035R152S20W	□	3.5	15	20	130	20	35.58	12.8	2.12	4.04	2	2	
RRD035R152S20WM	□	3.5	15	20	150	20	41.7	12.8	1.64	2.9	2	2	RDH/M/Z 07T1M0
RRD035R152S25W	□	3.5	15	25	176	20	36.8	12.8	3.8	2.65	2	2	
RRD035R153S16W	□	3.5	15	16	78	28.4	29.5	12.8	1.08	45	3	1	
RRD050R202S20W	●	5	20	20	90	—	31	18	—	—	2	4	RDH/M/Z 1003M0
RRD050R202S20WM	●	5	20	20	110	—	51	18	—	—	2	4	
RRD050R202S25W	●	5	20	25	136	23	37	18	2.13	4.09	2	2	
RRD050R202S25WL	□	5	20	25	176	47.6	23	18	1.34	2.25	2	2	RDH/M/Z 1003M0
RRD050R202S25WM	□	5	20	25	156	42.7	23	18	1.64	2.9	2	2	

RRD

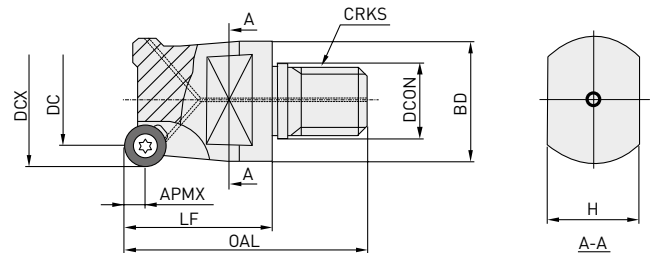
ERSATZTEILE

Referenzprodukt	RE						
		Klemmscheibe	Schraube für Klemmscheibe	Spannschraube	Klemmschraube	Schlüssel	
	122S16W						
	122S16WL	—	—	B-TS253	—	TKY07F	
	122S16WM						
RRD035R-	152S16W						
	152S16WM	3.5					
	152S20W			TS25		TKY08F	
	152S20WM	—	—		—		
	152S25W						
	153S16W			TS253			
RRD050R-	202S20W						
	202S20WM						
	202S25W	5	—	—	B-TS35	—	TKY15F
	202S25WL						
	202S25WM						

RRD




P K H








Werkzeug nur in Rechtsausführung.

EINSCHRAUBFRÄSER

Bestellnummer	Lager	APMX	DCX	DC	OAL	LF	DCON	DCSFMS	CRKS	H	ZEFP	
RRD025R102M5	□	2.5	10	5	35	20	5.5	9.9	M5	6	2	
RRD025R123M8	●	2.5	12	7	38	20	8.5	13.5	M8	9	3	RDH/Z
RRD025R154M8	●	2.5	15	10	38	20	8.5	13.5	M8	10	4	0501M0
RRD025R205M10	●	2.5	20	15	44	25	10.5	18	M10	15	5	
RRD035R122M8	●	3.5	12	5	46	28	8.5	13.5	M8	9	2	
RRD035R153M8	●	3.5	15	8	46	28	8.5	13.5	M8	10	3	
RRD035R204M10	●	3.5	20	13	47	28	10.5	18	M10	15	4	RDH/M/Z
RRD035R255M12	●	3.5	25	18	50	28	12.5	21	M12	17	5	07T1M0
RRD035R306M16	●	3.5	30	23	51	28	17	29	M16	22	6	
RRD035R357M16	●	3.5	35	28	51	28	17	29	M16	22	7	
RRD035R152M8	●	3.5	15	8	46	28	8.5	13.5	M8	10	2	RDH/M/Z
RRD035R153M8X	●	3.5	15	8	43	28	8.5	13.5	M8	10	3	0702M0
RRD050R202M10	●	5	20	10	47	28	10.5	18	M10	15	2	
RRD050R252M12	●	5	25	15	54	32	12.5	21	M12	17	2	
RRD050R253M12	●	5	25	15	54	32	12.5	21	M12	17	3	
RRD050R304M12	●	5	30	20	54	32	12.5	21	M12	17	4	RDH/M/Z
RRD050R304M16	●	5	30	20	55	32	17	29	M16	22	4	1003M0
RRD050R355M16	●	5	35	25	65	42	17	29	M16	22	5	
RRD050R426M16	●	5	42	32	65	42	17	29	M16	22	6	
RRD060R242M12	●	6	24	12	54	32	12.5	21	M12	17	2	
RRD060R353M16	●	6	35	23	65	42	17	29	M16	22	3	
RRD060R354M16	●	6	35	23	65	42	17	29	M16	22	4	RDH/M/Z
RRD060R424M16	●	6	42	30	55	32	17	29	M16	24	4	12T3M0
RRD060R425M16	●	6	42	30	65	42	17	29	M16	22	5	
RRD080R322M16	●	8	32	16	65	42	17	29	M16	22	2	RDH/M/Z 1604M0

ERSATZTEILE

Referenzprodukt	RE						
		Klemmscheibe	Schraube für Klemmscheibe	Spannschraube	Klemmschraube	Schlüssel	
RRD025R-	102M5	—	—	B-TS20	—	TKY06F	
	123M8						
	154M8						
	205M10						
RRD035R-	122M8	—	—	B-TS253	—	TKY07F	
	153M8			TS253	—	TKY08F	
	204M10						
	255M12						
	306M16						
	357M16						
	152M8			TS25	—	TKY08F	
153M8X							
RRD050R-	202M10	—	—	B-TS35	—	TKY15F	
	252M12						
	253M12						
	304M12						
	304M16						
	355M16						
426M16							
RRD060R-	242M12	—	—	B-TS35	—	TKY15F	
	353M16				TS1001		
	354M16						
	424M16						
425M16							
RRD080R-	322M16	8	—	—	214	—	TKY20F

RRD

SCHNITTDATENEMPFEHLUNGEN

SCHNITTDATEN FÜR DAS SCHRUPPEN (ae = 50 % des Ø)

Material	Härte	Sorte	Vc	Ø 10-15 mm		Ø 20 mm		Ø 24-25 mm		Ø 30-42 mm		Ø 50-80 mm		Ø 100-160 mm	
				ap	fz	ap	fz	ap	fz	ap	fz	ap	fz	ap	fz
P Baustahl	<180HB	F7030 VP15TF	(250-320)	-0.2	0.25	-0.5	0.45	-1.0	0.35	-1.0	0.40	-1.0	0.50	-1.5	0.60
			(240-300)	0.2-0.3	0.20	0.5-1.0	0.25	1.0-2.0	0.30	1.5-2.0	0.32	1.0-1.5	0.40	1.5-2.5	0.45
			(200-280)	0.3-0.5	0.12	1.0-1.5	0.15	2.0-2.5	0.20	2.0-3.0	0.25	1.5-3.0	0.35	2.5-5.0	0.35
C-Stahl Legierter Stahl	180- 350HB	F7030 VP15TF	(220-300)	-0.2	0.20	-0.5	0.40	-1.0	0.30	-1.0	0.40	-1.0	0.50	-1.5	0.55
			(200-290)	0.2-0.3	0.15	0.5-1.0	0.20	1.0-1.5	0.25	1.5-2.0	0.30	1.0-1.5	0.38	1.5-2.5	0.40
			(160-250)	0.3-0.5	0.10	1.0-1.5	0.10	1.5-2.0	0.22	2.0-3.0	0.22	1.5-3.0	0.30	2.5-4.5	0.32
K Gusseisen	Zug- festigkeit <450 MPa	VP15TF VP20M VP10H	(200-250)	-0.1	0.15	-0.5	0.18	-1.0	0.20	-1.0	0.25	-1.0	0.30	-1.5	0.35
			(180-230)	0.1-0.2	0.10	0.5-1.0	0.10	1.0-1.5	0.15	1.5-2.0	0.18	1.0-1.5	0.25	1.5-2.5	0.22
			(160-200)	0.2-0.25	0.10	1.0-1.5	0.10	1.5-2.0	0.12	2.0-3.0	0.15	1.5-3.0	0.18	2.5-4.5	0.20
H Gehärteter Stahl	-52HRC -58HRC -60HRC	VP15TF VP10H VP05HT	(140-200)	-0.1	0.12	-0.1	0.14	-0.1	0.15	-0.1	0.18	-0.1	0.18	-0.1	0.20
			(110-180)	0.1-0.15	0.10	0.1-0.20	0.12	0.1-0.30	0.12	0.1-0.30	0.14	0.1-0.30	0.14	0.1-0.30	0.15
			(100-170)	0.1-0.15	0.10	0.1-0.20	0.10	0.1-0.30	0.10	0.1-0.30	0.12	0.1-0.30	0.12	0.1-0.30	0.12

1. Bei Verwendung der vollen Schnittbreite setzen Sie bitte die Schnittdaten um 20 % herab.
2. Bei Verwendung einer langen Auskragung reduzieren Sie bitte die Vorschubgeschwindigkeit um 20 %.

SCHNITTDATEN FÜR DAS SCHLICHTEN (ae = 20 % des Ø)

Material	Härte	Sorte	Vc	Ø 10-15 mm		Ø 20 mm		Ø 24-25 mm		Ø 30-42 mm		Ø 50-80 mm		Ø 100-160 mm	
				ap	fz	ap	fz	ap	fz	ap	fz	ap	fz	ap	fz
P Baustahl	<180HB	F7030 VP15TF	(260-360)	-0.1	0.15	-0.15	0.20	-0.15	0.25	-0.15	0.30	-0.15	0.32	-0.3	0.35
			(240-320)	0.1-0.2	0.15	0.1-0.2	0.15	0.1-0.2	0.18	0.1-0.3	0.20	0.1-0.3	0.22	0.2-0.3	0.25
			(220-280)	0.2-0.24	0.10	0.1-0.30	0.15	0.1-0.30	0.18	0.1-0.30	0.20	0.2-0.30	0.20	0.3-0.40	0.20
C-Stahl Legierter Stahl	180- 350HB	F7030 VP15TF	(250-350)	-0.1	0.12	-0.1	0.15	-0.1	0.18	-0.1	0.25	-0.1	0.28	-0.15	0.30
			(230-310)	0.1-0.15	0.12	0.1-0.30	0.15	0.1-0.30	0.15	0.1-0.30	0.20	0.1-0.3	0.22	0.15-0.3	0.25
			(210-270)	0.15-0.2	0.10	0.15-0.30	0.12	0.15-0.30	0.15	0.15-0.30	0.15	0.2-0.3	0.18	0.2-0.3	0.18
K Gusseisen	Zug- festigkeit <450 MPa	VP15TF VP20M VP10H	(200-300)	-0.1	0.15	-0.1	0.18	-0.1	0.20	-0.1	0.22	-0.1	0.25	-0.15	0.30
			(200-280)	0.1-0.2	0.10	0.1-0.30	0.10	0.1-0.3	0.15	0.1-0.3	0.15	0.1-0.3	0.20	0.15-0.3	0.22
			(180-240)	0.2-0.25	0.10	0.2-0.40	0.10	0.2-0.4	0.12	0.2-0.4	0.12	0.2-0.4	0.15	0.2-0.4	0.18
H Gehärteter Stahl	-52HRC -58HRC -60HRC	VP15TF VP10H VP05HT	(150-200)	-0.1	0.15	-0.1	0.14	-0.1	0.15	-0.1	0.18	-0.1	0.18	-0.1	0.20
			(120-180)	0.1-0.15	0.10	0.1-0.20	0.12	0.1-0.30	0.12	0.1-0.30	0.14	0.1-0.30	0.14	0.1-0.30	0.15
			(100-180)	0.1-0.15	0.10	0.1-0.20	0.10	0.1-0.30	0.10	0.1-0.30	0.12	0.1-0.30	0.12	0.1-0.30	0.12

1. Bei Verwendung der vollen Schnittbreite setzen Sie bitte die Schnittdaten um 20 % herab.
2. Bei Verwendung einer langen Auskragung reduzieren Sie bitte die Vorschubgeschwindigkeit um 20 %.



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