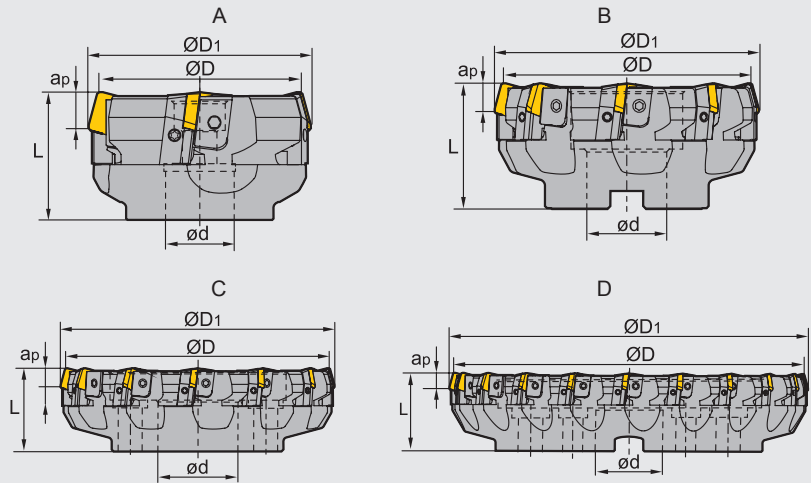


Kr:75°



Face Milling Tools · Planfräser

FME03 **P** **M** **K**



Specification of tools · Werkzeug Beschreibung

Type Typ	Stock Lager	Dimension (mm) Abmessung						No. of teeth Zähne	Coupling Aufnahme	Weight Gewicht (kg)
		R	L	Ø D	Ø D ₁	Ø d	L			
FME03										
-080-A27-SP12-04	● ○	● ○	80	84	27	50	6	4	A	1.1
-100-B32-SP12-06	● ○	● ○	100	104	32	50	6	6	B	1.9
-125-B40-SP12-08	○ ○	○ ○	125	129	40	63	6	8	B	3.5
-160-B40-SP12-10	● ○	● ○	160	164	40	63	6	10	B	5.7
-200-C60-SP12-12	○ ○	○ ○	200	203	60	63	6	12	C	8.2
-250-C60-SP12-16	○ ○	○ ○	250	253	60	63	6	16	C	13.8
-315-D60-SP12-20	○ ○	○ ○	315	318	60	70	6	20	D	23.5
-080-A27-SP15-04	○ ○	○ ○	80	84	27	50	8	4	A	1.0
-100-B27-SP15-06	○ ○	○ ○	100	104	27	50	8	6	B	1.8
-125-B40-SP15-08	● ○	● ○	125	129	40	63	8	8	B	3.3
-160-B40-SP15-10	○ ○	○ ○	160	164	40	63	8	10	B	5.4
-200-C60-SP15-12	○ ○	○ ○	200	204	60	63	8	12	C	7.9
-250-C60-SP15-16	○ ○	○ ○	250	253	60	63	8	16	C	13.6
-315-D60-SP15-20	○ ○	○ ○	315	318	60	70	8	20	D	23.1

Spare Parts · Ersatzteile

Diameter Durchmesser Ø D	Insert Platte	Cassette Kassette	Wedge Keil	Screw Schraube	Locator screw Schraube	Wrench Schlüssel	
Ø80-Ø100	SP12	LSP12R/L	W04R/L	WM8×17	LOM5×15.1	WT20T WT25T	
Ø125-Ø315				WM8×22			
Ø80-Ø315	SP15	LSP15R/L	W04R/L	WM8×22			

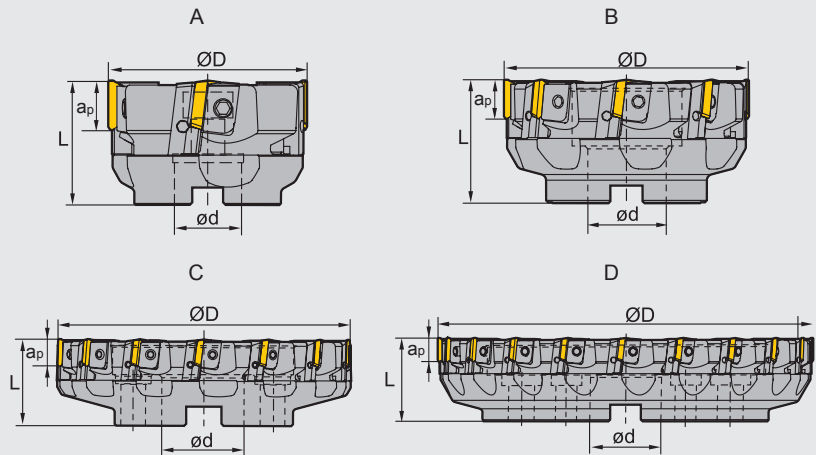
● Ex Stock / ab Lager ○ On demand / auf Anfrage

Face Milling Tools · Planfräser

Kr:90°



FMP01 P M K

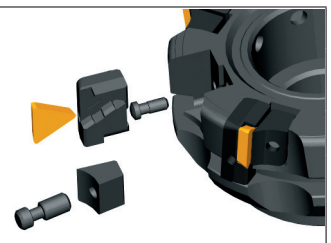


Specification of tools · Werkzeug Beschreibung

Type Typ	Stock Lager		Dimension (mm) Abmessung				No. of teeth Zähne	Coupling Aufnahme	Weight Gewicht (kg)
	R	L	Ø D	Ø d	L	apmax			
FMP01									
-080-A27-TP22-04	●	○	80	27	50	18	4	A	1.2
-100-B32-TP22-06	●	○	100	32	50	18	6	B	1.7
-125-B40-TP22-08	●	○	125	40	63	18	8	B	3.2
-160-B40-TP22-10	●	○	160	40	63	18	10	B	5.1
-200-C60-TP22-12	●	○	200	60	63	18	12	C	7.4
-250-C60-TP22-16	○	○	250	60	63	18	16	C	12.3
-315-D60-TP22-20	○	○	315	60	70	18	20	D	21.9

Spare Parts · Ersatzteile

Diameter Durchmesser Ø D	Cassette Kassette	Wedge Keil	Screw Schraube	Locator screw Schraube	Wrench Schlüssel
Ø80 Ø100	LTP4R1/L1	W04R/L	WM8×17	LOM5×15.1	WT20T
Ø125 ~ Ø315	LTP4R/L		WM8×22		WT25T



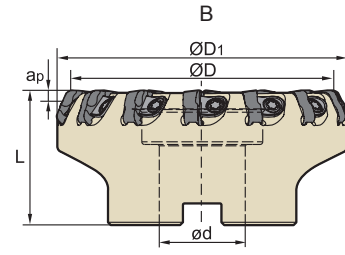
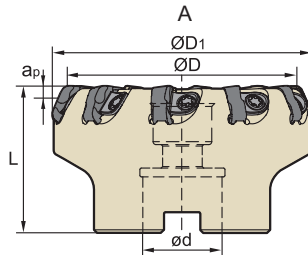
● Ex Stock / ab Lager ○ On demand / auf Anfrage

Face Milling Tools · Planfräser

Kr:67°



FMD02 K







Type Typ	Stock Lager		Dimension Abmessung (mm)					Tooth Zähne Z	Coupling Aufnahme	Weight Gewicht (kg)
	R	L	ØD	ØD1	ød	L	ap _{max}			
FMD02	•	○	80	90.1	27	50	5	10	A	1.3
	•	○	80	90.1	27	50	5	10	A	1.3
	•	○	100	110.1	32	50	5	14	B	1.6
	•	○	100	110.1	32	50	5	14	B	1.6
	•	○	125	135.1	40	63	5	18	B	3.2
	•	○	125	135.1	40	63	5	18	B	3.2
	○	○	160	170.1	40	63	5	22	B	5.8
	○	○	200	210.1	60	63	5	28	C	8.5

B

Milling Tools
Fräser

■ Spare Parts · Ersatzteile

ØD	Shim / Unterlage	Screw / Schraube	Wrench / Schlüssel
Ø80 - Ø160	 W18N	 DM6x20A	 WT15IT



Applicable tool
Werkzeug B11-B18

Tools code key
Werkzeug ISO B26-B27

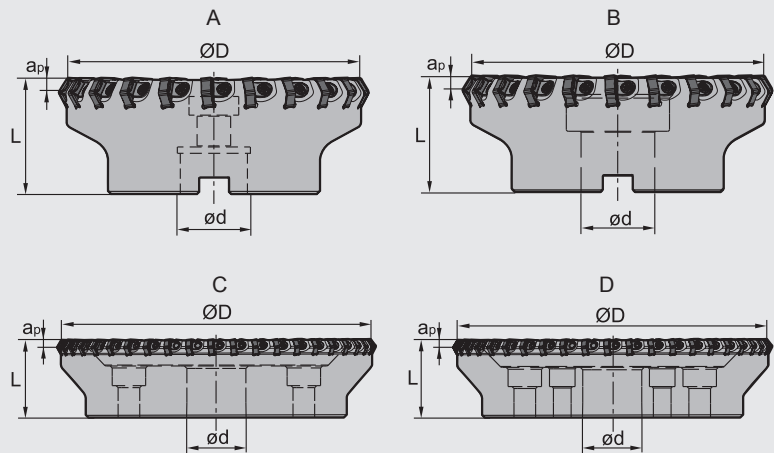
Grade selection guide
Sortenauswahl B19-B23

Technical data
Technische Daten B215-B220

Face Milling Tools · Planfräser






FMD02 K

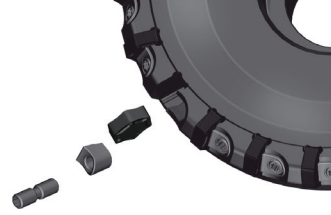


Specification of tools · Werkzeug Beschreibung

Type Typ	Stock Lager		Dimension (mm) Abmessung				No. of teeth Zähne	Coupling Aufnahme	Weight Gewicht (kg)
	R	L	ØD	ød	L	apmax			
FMD02									
-080-A27-HN09-10	○	○	80	27	50	6	10	A	1.1
-100-B32-HN09-14	○	○	100	32	63	6	14	B	2.6
-125-B40-HN09-18	○	○	125	40	70	6	18	B	3.7
-160-B40-HN09-22	○	○	160	40	63	6	22	B	5.6
-200-C60-HN09-28	○	○	200	60	63	6	28	C	6.3
-250-C60-HN09-36	○	○	250	60	63	6	36	C	10.3
-315-D60-HN09-44	○	○	315	60	63	6	44	D	21.7

Spare Parts · Ersatzteile

Diameter Durchmesser Ø D	Wedge Keil	Wedge screw Keilschraube	Wrench Schlüssel
Ø80-Ø315	 W18N	 DM6×20A	 WT15IT



Applicable tool B11-B18
Werkzeug

Tools code key B26-B27
Werkzeug ISO

Grade selection guide B19-B23
Sortenauswahl

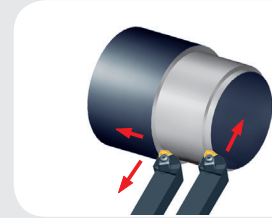
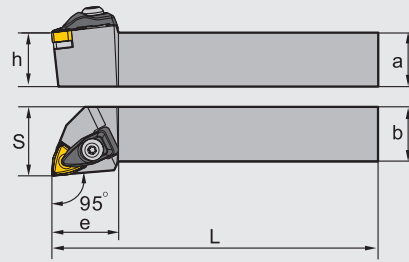
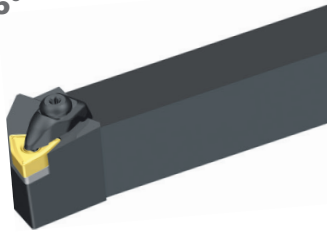
Technical data B215-B220
Technische Daten

WN** Toolholder · Halter

D-Clamping · D-Halter












DWLNR/ L

Kr:95°



Type Typ		Stock Lager		Dimension (mm) Abmessung					Screw Schraube	Shim Unterlage	Wrench Schlüssel	Clamp Pratze	Shim pin Rohrstift	Spring Feder	
		R	L	a	b	L	h	s							e
DWLNR/L	1616H06	●	●	16	16	100	16	20	24	CM5×22C	W06BM	WH30L	C1RA	SM5 × 8 .65XA1	SPR6
	2020K06	●	●	20	20	125	20	25	24						
	2525M06	●	●	25	25	150	25	32	24						
	2020K08	●	●	20	20	125	20	25	31	CM6×25C	W08BM	WH40L	C2RA	SM6 × 10XA1	SPR4
	2525M08	●	●	25	25	150	25	32	31						
	3225P08	●	●	32	25	170	32	32	31						

Applicable insert
Wendeschneidplatten

Application Anwendung		Finishing Schlichten		Semi-Finishing Mittlere Bearbeitung		Roughing Schruppen		Cast iron machining Grauguss Bearbeit.				
insert shape Schneidplattenform	DF		A90	PM		A92	DR Double side doppel seitig		A93	Flat Flach		A93
	SF		A91	DM		A92				TC		A93
	EF		A91	EM		A92						
	NF		A91	NM		A92						
Type · Typ	DWLNR/L**H/K/M06	WN**0604**		WN**0604**		WN**0604**		WN**0604**				
	DWLNR/L**K/M/P08	WN**0804**		WN**0804**		WN**0804**		WN**0804**				

A

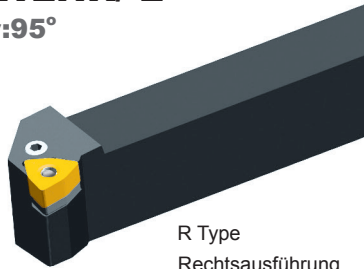
General Turning
Allgemeine Drehbearbeitung

WN** Toolholder · Halter

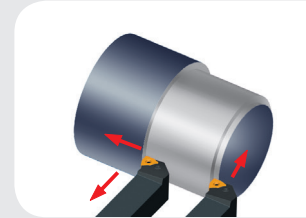
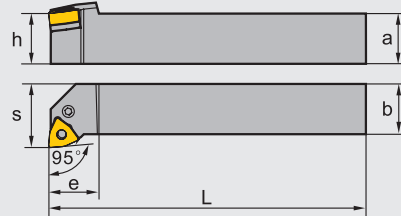
P-Clamping · P-Halter

PWLNR/ L

Kr:95°














R Type
Rechtsausführung



Type Typ	Stock Lager	Dimension (mm) Abmessung							Screw Schraube	Shim Unterlage	Wrench Schlüssel	Lever Kniehebel	Shim pin Rohrstift	
		R	L	a	b	L	h	s						e
PWLNR/ L	1616H06	●	●	16	16	100	16	20	20	LEM6×13.4A	W06AP	WH25L	L3	SP3
	2020K06	●	●	20	20	125	20	25	20					
	2525M06	●	●	25	25	150	25	32	20					
	2020K08	●	●	20	20	125	20	25	26	LEM8×21	W08AP	WH30L	L4	SP4
	2525M08	●	●	25	25	150	25	32	26					

Applicable insert
Wendeschneidplatten

Application Anwendung	Finishing Schichten	Semi-Finishing Mittlere Bearbeitung	Roughing Schruppen	Cast iron machining Grauguss-Bearbeit.	
insert shape Schneidplattenform	DF  A90	PM  A92	DR Double side doppel seitig  A93	Flat Flach  A93	
	SF  A91	DM  A92		TC  A93	
	EF  A91	EM  A92			
	NF  A91	NM  A92			
Type · Typ	PWLNR/ L**H / K / M06	WN**0604**	WN**0604**	WN**0604**	WN**0604**
	PWLNR/ L**K / M08	WN**0804**	WN**0804**	WN**0804**	WN**0804**

A

General Turning
Allgemeine Drehbearbeitung

Turning · Drehen

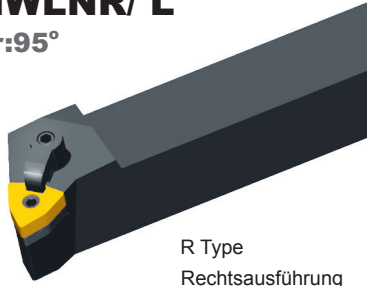
External turning tools · Drehwerkzeuge zur Außenbearbeitung

WN** Toolholder · Halter

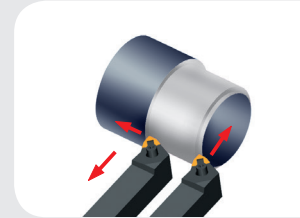
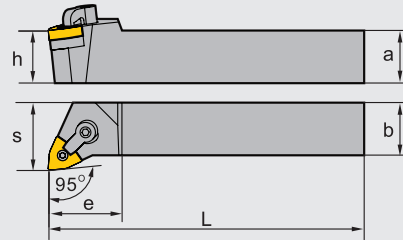
M-Clamping · M-Halter

MWLNR/ L

Kr:95°














R Type
Rechtsausführung



Type Typ		Stock Lager		Dimension (mm) Abmessung						Clamping screw Schraube	Shim Unterlage	Wrench Schlüssel	Clamp Pratze	Clamping stud Passestift
		R	L	a	b	L	h	s	e					
MWLNR/ L	2020K06	●	●	20	20	125	20	25	30	DM6×25	W06BM	WH20L WH30L	C1RD	TM5×13
	2525M06	●	●	25	25	150	25	32	30	DM6×30				
	2020K08	●	●	20	20	125	20	25	30	DM6×25				
	2525M08	●	●	25	25	150	25	32	35	DM6×30	W08BM	WH30L	C1RD	TM6×17
	3525P08	○	○	32	25	170	32	32	35					
	3232P08	●	●	32	32	170	32	40	35					

Applicable insert
Wendeschneidplatten

Application Anwendung	Finishing Schlichten	Semi-Finishing Mittlere Bearbeitung	Roughing Schruppen	Cast iron machining Grauguss-Bearbeit.	
insert shape Schneidplattenform	DF  A90	PM  A92	DR Double side doppel seitig  A93	Flat Flach  A93	
	SF  A91	DM  A92		TC  A93	
	EF  A91	EM  A92			
	NF  A91	NM  A92			
Type · Typ	MWLNR/ L**K/ M06	WN**0604**	WN**0604**	WN**0604**	WN**0604**
	MWLNR/ L**K/ M/ P08	WN**0804**	WN**0804**	WN**0804**	WN**0804**

● ex stock · ab Lager ○ on demand · Anfrage

Turning · Drehen

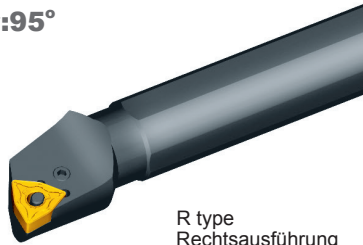
Internal turning tools · Drehwerkzeuge zur Innenbearbeitung

WN** Toolholder · Halter

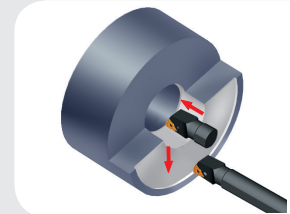
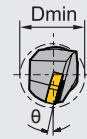
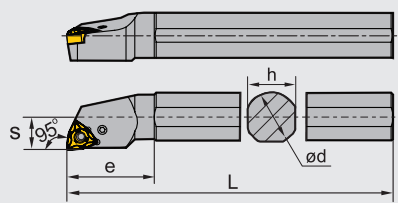
P-Clamping /P-Halter

PWLNR/L

Kr:95°














R type
Rechtsausführung



Type Typ	Stock Lager		Dimension (mm) Abmessung							Screw Schraube	Wrench Schlüssel	Lever Kniehebel	Shim Unterlage	Shim pin Rohrstift
	R	L	Dmin	ød	h	L	S	θ	e					
S16M-PWLNR/L06	●	●	20	16	15	150	11	-13°	25	LEM5X12B	WH20L	L3B	—	—
S16R-PWLNR/L06	○	○	20	16	15	200	11	-13°	25					
S20Q-PWLNR/L06	●	●	25	20	18	180	13	-13°	35	LEM5X12B	WH20L	L3B	—	—
S20S-PWLNR/L06	○	○	25	20	18	250	13	-13°	35					
S25Q-PWLNR/L06	○	○	32	25	23	180	17	-13°	35					
S25T-PWLNR/L06	○	○	32	25	23	300	17	-13°	35					
S20Q-PWLNR/L08	●	●	25	20	18	180	13	-13°	32	LEM6X13.4A	WH25L	L4A	—	—
S20S-PWLNR/L08	○	○	25	20	18	250	13	-13°	32					
S25Q-PWLNR/L08	●	○	32	25	23	180	17	-13°	45					
S25T-PWLNR/L08	●	○	32	25	23	300	17	-13°	45					
S32R-PWLNR/L08	●	●	40	32	30	200	22	-15°	50	LEM8X21	WH30L	L4	W08AP	SP4
S32U-PWLNR/L08	●	●	40	32	30	350	22	-15°	50					

Applicable insert
Wendeschneidplatten

Application Anwendung	Finishing Schichten	Semi-Finishing Mittlere Bearbeitung	Roughing Schruppen	Cast iron machining Grauguss Bearbeitung	
insert shape Schneidplattenform	DF  A90	PM  A92	DR Double side doppelseitig  A93	Flat Flach  A93	
	SF  A91	DM  A92		TC  A93	
	EF  A91	EM  A92			
	NF  A91	NM  A92			
Type Typ	**PWLNR/L06	WN**0604**	WN**0604**	WN**0604**	WN**0604**
	PWLNR/L08	WN0804**	WN**0804**	WN**0804**	WN**0804**

◆ Toolholder with holes for Coolant · Klemmhalter mit Kühlmittelbohrung

● ex stock · ab Lager ○ on demand · auf Anfrage

A

General Turning
Allgemeine Drehbearbeitung