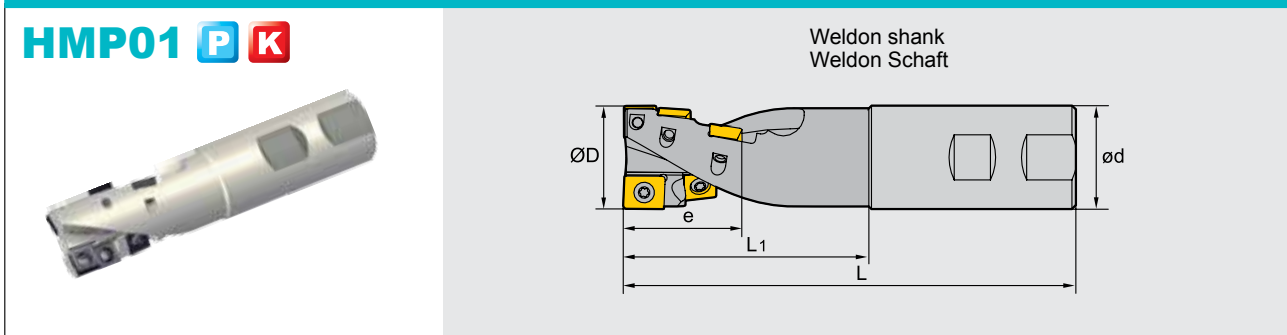


Helical end mill · Walzenstirnfäser

Kr:90°

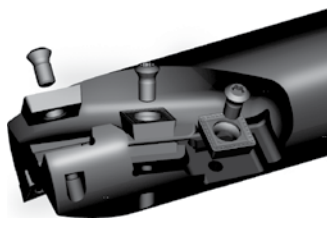


■ Specification of tools · Werkzeug-Beschreibung

Type Typ	Stock Lager		Dimensions (mm) Abmessungen					Number of flute Anzahl Zahnreihen Z	Number of insert Anzahl WSP		Shank type Schaft	
	R	L	Ø D	ø d	e	L ₁	L		APKT 150412-**	SPMT 120408-**		
HMP01	-040×55-XP40-SP12-02	●	○	40	40	55	95	175	2	1	5	Weldon
	-050×55-XP40-SP12-04	●	○	50	40	55	95	175	4	2	10	Weldon

■ Spare parts · Ersatzteile

Diameter Durchmesser Ø D	Screw Schraube	Wrench Schlüssel
Ø40	I60M5×10	WT20IS
Ø50	I60M5×13	WT20IS



Applicable tool
Werkzeug [B11-B18](#)

Tools code key
Werkzeug ISO [B26-B27](#)

Grade selection guide
Sortenauswahl [B19-B23](#)

Technical data
Technische Daten [B215-B220](#)

Helical end mill · Walzenstirnfräser

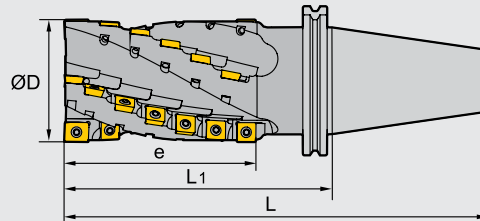
Kr:90°



HMP01 P K



JT shank/BT shank (figure is JT shank)
JT Schaft/BT Schaft (Abb. is JT shank)



Specification of tools · Werkzeug-Beschreibung

Type Typ	Stock Lager		Dimensions (mm) Abmessungen				Number of flute Anzahl Zahnreihen Z	Number of insert Anzahl WSP		Shank type Schaft	
	R	L	Ø D	e	L ₁	L		APKT 150412-**	SPMT 120408-**		
HMP01	-050×84-JT50-SP12-04	○	○	50	84	145	246.75	4	2	16	JT
	-063×74-JT50-SP12-04	○	○	63	74	135	236.75	4	2	14	JT
	-063×104-JT50-SP12-04	●	○	63	104	165	266.75	4	2	20	JT
	-063×134-JT50-SP12-04	○	○	63	134	195	296.75	4	2	26	JT
	-080×104-JT50-SP12-04	○	○	80	104	165	266.75	4	2	20	JT
	-080×144-JT50-SP12-04	○	○	80	144	205	306.75	4	2	28	JT
	-050×84-BT50-SP12-04	○	○	50	84	145	246.8	4	2	16	BT
	-063×74-BT50-SP12-04	○	○	63	74	135	236.8	4	2	14	BT
	-063×104-BT50-SP12-04	○	○	63	104	165	266.8	4	2	20	BT
	-063×134-BT50-SP12-04	○	○	63	134	195	296.8	4	2	26	BT
	-080×104-BT50-SP12-04	○	○	80	104	165	266.8	4	2	20	BT
	-080×144-BT50-SP12-04	○	○	80	144	205	306.8	4	2	28	BT

Spare parts · Ersatzteile

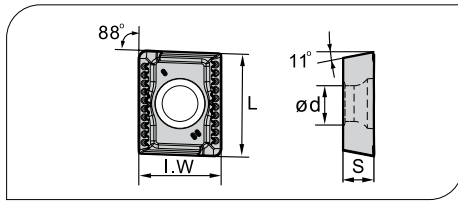
Diameter Durchmesser Ø D	Screw Schraube	Wrench Schlüssel	
Ø50	 I60M5×13	 WT20IS	
Ø63	I60M5×13	WT20IS	
Ø80	I60M5×13	WT20IS	

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

Milling - Fräsen

Indexable Milling Tools - Wendepplattenfräser

Applicable inserts · Wendeschneidplatten

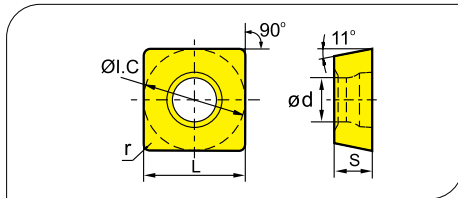


- Ideal Machining Condition / Gute Bearbeitungsbedingungen
- Normal Machining Condition / Normale Bearbeitungsbedingungen
- Unfavorable Machining Condition / Ungünstige Bearbeitungsbedingungen

Workpiece Material / Werkstoffe	P	M	K	N	S
Steel / Stahl	●●●●●●●●●●	●●●●●●●●●●	●●●●●●●●●●	●●●●●●●●●●	●●●●●●●●●●
Stainless Steel / Rostfreier Stahl	●●●●●●●●●●	●●●●●●●●●●	●●●●●●●●●●	●●●●●●●●●●	●●●●●●●●●●
Cast iron / Gusseisen	●●●●●●●●●●	●●●●●●●●●●	●●●●●●●●●●	●●●●●●●●●●	●●●●●●●●●●
Non-ferrite material / Ne Metalle	●●●●●●●●●●	●●●●●●●●●●	●●●●●●●●●●	●●●●●●●●●●	●●●●●●●●●●
Heat-resistant steel / Warmfester Stahl	●●●●●●●●●●	●●●●●●●●●●	●●●●●●●●●●	●●●●●●●●●●	●●●●●●●●●●

Insert WSP	Type Typ	Dimensions (mm) / Abmessungen					CVD Coating / CVD Beschicht.						PVD Coating / PVD Beschicht.				Cermet / Cermet	Carbide uncoat. / unbe. Hartmetall								
		L	I.W	S	d	r	YBC301	YBC302	YBC401	YBM251	YBM253	YBM351	YBD152	YBD252	YBG102	YBG202		YBG205	YBG302	YBG152	YBG252	YNG151	YNG151C	YC30S	YD101	YD201
	APKT150412-PM	16.33	12.7	4.76	5.4	1.2					●							●								
	APKT150412-KM	16.33	12.7	4.76	5.4	1.2												○	●							

Applicable inserts · Wendeschneidplatten



- Ideal Machining Condition / Gute Bearbeitungsbedingungen
- Normal Machining Condition / Normale Bearbeitungsbedingungen
- Unfavorable Machining Condition / Ungünstige Bearbeitungsbedingungen

Workpiece Material / Werkstoffe	P	M	K	N	S
Steel / Stahl	●●●●●●●●●●	●●●●●●●●●●	●●●●●●●●●●	●●●●●●●●●●	●●●●●●●●●●
Stainless Steel / Rostfreier Stahl	●●●●●●●●●●	●●●●●●●●●●	●●●●●●●●●●	●●●●●●●●●●	●●●●●●●●●●
Cast iron / Gusseisen	●●●●●●●●●●	●●●●●●●●●●	●●●●●●●●●●	●●●●●●●●●●	●●●●●●●●●●
Non-ferrite material / Ne Metalle	●●●●●●●●●●	●●●●●●●●●●	●●●●●●●●●●	●●●●●●●●●●	●●●●●●●●●●
Heat-resistant steel / Warmfester Stahl	●●●●●●●●●●	●●●●●●●●●●	●●●●●●●●●●	●●●●●●●●●●	●●●●●●●●●●

Insert WSP	Type Typ	Dimensions (mm) / Abmessungen					CVD Coating / CVD Beschicht.						PVD Coating / PVD Beschicht.				Cermet / Cermet	Carbide uncoat. / unbe. Hartmetall								
		L	I.W	S	d	r	YBC301	YBC302	YBC401	YBM251	YBM253	YBM351	YBD152	YBD252	YBG102	YBG202		YBG205	YBG302	YBG152	YBG252	YNG151	YNG151C	YC30S	YD101	YD201
	SPMT120408-PM	12.7	12.7	4.76	5.5	0.8					●							●								
	SPMT120408-KM	12.7	12.7	4.76	5.5	0.8												○	●							

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