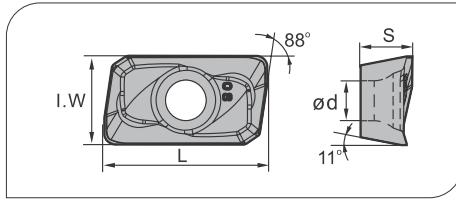


Milling · Fräsen

Indexable Milling Tools · Wendepplattenfräser

Applicable inserts · Wendeschneidplatten



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

Workpiece Material Werkstück Material	P	M	K	N	S	Steel Stahl	Stainless Steel Rostfreier Stahl	Cast iron Gusseisen	Non-ferrous material Nichtmetalle	Heat-resistant steel Wärmebeständiger Stahl
	●	●	●	●	●	●	●	●	●	●

Insert shape Plattenform	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
	APMT1135PDR	11.25	6.2	3.5	2.8	0.8				○					○	○	●								
	APMT160408PDER	17.25	9.25	4.76	4.4	0.8				○		○			○	●									

1 Drilling Bohren



Recommended cutting data · Empfohlene Schnittdaten

	Workpiece material Werkstück Material	Hardness HB Härte	Grade Sorte	Cutting data · Schnittdaten	
				V(m/min)	f(mm/z)
P	Low-carbon steel Soft steel Niedrig legierter Kohlenstoffstahl Baustahl	≤180	YBG202 YBG205	180 (150-220)	0.2 (0.08-0.25)
	High-carbon steel Alloy steel Hoch Leg. Kohlenstoffstahl	180-280	YBG202 YBG205	160 (130-200)	0.15 (0.08-0.2)
	Alloy tool steel Leg. Werkzeugstahl	280-350	YBG202 YBG205	140 (120-180)	0.12 (0.05-0.2)
M	Stainless steel Rostfreier Stahl	≤270	YBG202 YBG205	80 (50-150)	0.08 (0.03-0.15)
K	Cast iron Gusseisen	180-250	YBG202 YBG205	150 (100-220)	0.15 (0.08-0.2)

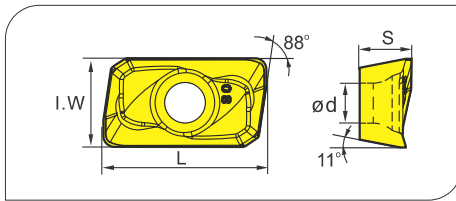
2 Milling Fräsen

Recommended cutting data · Empfohlene Schnittdaten

	Workpiece material Werkstück Material	Hardness HB Härte	Grade Sorte	Cutting data · Schnittdaten	
				V(m/min)	f(mm/z)
P	Low-carbon steel Soft steel Niedrig legierter Kohlenstoffstahl Baustahl	≤180	YBG202 YBG205	190 (140-250)	0.08 (0.04-0.15)
	High-carbon steel Alloy steel Hoch leg. Kohlenstoffstahl	180-280	YBG202 YBG205	170 (130-250)	0.08 (0.04-0.15)
	Alloy tool steel Leg. Werkzeugstahl	280-350	YBG202 YBG205	150 (110-240)	0.08 (0.04-0.15)
M	Stainless steel Rostfreier Stahl	≤270	YBG202 YBG205	120 (80-190)	0.08 (0.04-0.15)
K	Cast iron Gusseisen	180-250	YBG202 YBG205	120 (80-210)	0.08 (0.04-0.15)

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

AP**



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

Workpiece Material Werkstoff	P	M	K	N	S
Steel Stahl	●	●	●	●	●
Stainless Steel Rostfreier Stahl	●	●	●	●	●
Cast iron Gussstahl	●	●	●	●	●
Non-ferrous material Nicht-Metalle	●	●	●	●	●
Heat-resistant steel Wärmebeständiger 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
	APMT1135PDR	11.25	6.2	3.5	2.8	0.8				○					○	○	●								
	APMT160408PDER	17.25	9.25	4.76	4.4	0.8				○		○				○	●								
	APMT160432PDER	17.25	9.25	4.76	4.4	3.2						○				●									

B

Milling Tools
Fräser

Applicable tool
Werkzeug

Tools code key
WSP ISO

Grade selection guide
Sortenauswahl

Technical data
Technische Daten