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€ Price List Preis Liste



*the spoken
quality
qualität
über die man spricht*

 **AKKO®**



We as AKKO Oto. Mak. Hird. San. Tic. Ltd. Şti, which has been founded by Abdullah KARAKUŞ in 1986, produce Turning Tool Holders, Threading and Grooving Tool Holders, U-Drills, Milling Tool Holders and Precision Tool Holders (OEM Tool Holders). We produce standard 5000 kinds of tool holders with production capacity of 300.000 pieces per annum in an area about 8000 square meter. we are going on exporting 60 countries including European, Asian, African, Asian, South American Countries and Middle East Countries. We keep ready about 200.000 pieces produced products in our stock. Steel Raw materials that we make produced especially for us are delivered our factory and all production process are made in our factory. All kind of process from machining of steel to heat treatment and coating on our tools are made in our integrated factory AKKO.



Die Fa.Akko, die 1986 von Abdullah Karakus gegründet wurde, produziert Drehhalter für ISO-Wendeplatten, Gewindedrehhalter, Stechwerkzeuge, Wendeplattenbohrer, Fräswerkzeuge und Präzisionswendeplattenwerkzeuge (OEM). Auf 8000 m² fertigen wir 5000 verschiedene Artikel mit einer Gesamtkapazität von 300.000 Stück pro Jahr. Wir exportieren unsere Produkte weltweit in 60 verschiedene Länder und beliefern unsere Kunden in Europa, Asien, Afrika, Südamerika und Mittlerer Osten. Unser Lagerbestand beträgt ca.200.000 Stück. Das von uns verarbeitete Rohmaterial wird speziell für uns gefertigt und alle Fertigungsschritte werden in unserer eigenen Produktion durchgeführt. Dazu zählen die mechanische Bearbeitung, die Wärmebehandlung und die Beschichtung.

T - SYSTEM EXTERNAL TURNING TOOLHOLDERS / AUßEN - DREHHALTER			PRICE / PREIS
 75°	TCBNR / L CNM. 1606..	2525 M16	60,00 €
 75°	TCKNR / L CNM. 1204.. CNM. 1606..	NEW 2020 K12	57,00 €
		2525 M12	58,00 €
		2525 M16	60,00 €
		3232 P12	66,00 €
		3232 P16	69,00 €
 95°	TCLNR / L CNM. 1204.. CNM. 1606..	2020 K12	57,00 €
		2525 M12	58,00 €
		3232 P12	66,00 €
		4040 S12	110,00 €
		5050 S12	155,00 €
 50°	TCMNN CNM. 1204.. CNM. 1606..	2525 M16	60,00 €
		3232 P16	69,00 €
 40°	TCZNN CNM. 1204.. CNM. 1606..	1616 H12	56,00 €
		2020 K12	57,00 €
		2525 M12	58,00 €
		3232 P12	66,00 €
		2525 M16	60,00 €
 93°	TDJNR / L DNM. 1104.. DNM. 1504.. DNM. 1506..	NEW 3232 P16	69,00 €
		1616 H11	56,00 €
		2020 K11	57,00 €
		2525 M11	58,00 €
		2020 K15	57,00 €
		2525 M15	58,00 €
		3232 P15	66,00 €
		4040 S15	110,00 €
		2020 K1504	57,00 €
		2525 M1504	58,00 €
		3232 P1504	66,00 €
		4040 S1504	110,00 €

T - SYSTEM EXTERNAL TURNING TOOLHOLDERS / AUßEN - DREHHALTER			PRICE / PREIS
 62.5°	TDNNN DNM. 1104.. DNM. 1506..	1616 H11	56,00 €
		2020 K11	57,00 €
		2525 M11	58,00 €
		2020 K15	57,00 €
		2525 M15	58,00 €
		3232 P15	66,00 €
 45°	TSDNN SNM. 1204.. SNM. 1506..	1616 H12	56,00 €
		2020 K12	57,00 €
		2525 M12	58,00 €
		3232 P12	66,00 €
 75°	TSKNR / L SNM. 1204.. SNM. 1506..	2020 K12	57,00 €
		2525 M12	58,00 €
		3232 P12	66,00 €
		3232 P15	69,00 €
 45°	TSSNR / L SNM. 1204.. SNM. 1506..	2020 K12	57,00 €
		2525 M12	58,00 €
		3232 P12	66,00 €
		2525 M15	60,00 €
		3232 P15	69,00 €
 60°	TTENN TNM. 1604.. TNM. 2204..	2020 K16	57,00 €
		2525 M16	58,00 €
		3232 P16	66,00 €
		2525 M22	58,00 €
		3232 P22	66,00 €
 90°	TTGNR / L TNM. 1604.. TNM. 2204..	2020 K16	57,00 €
		2525 M16	58,00 €
		2525 M22	58,00 €
		3232 P22	66,00 €

T - SYSTEM EXTERNAL TURNING TOOLHOLDERS / AUßEN - DREHHALTER			PRICE / PREIS
 93°	TTJNR / L TNM. 1604.. TNM. 2204..	2020 K16	57,00 €
		2525 M16	58,00 €
		3232 P16	66,00 €
		2525 M22	58,00 €
		3232 P22	66,00 €
 107.5°	TVHNR / L VNM. 1604..	2020 K16	57,00 €
		2525 M16	58,00 €
 93°	TVJNR / L VNM. 1604..	2020 K16	57,00 €
		2525 M16	58,00 €
		3232 P16	66,00 €
 72.5°	TVVNN VNM. 1604..	2020 K16	57,00 €
		2525 M16	58,00 €
		3232 P16	66,00 €
 95°	TWLNR / L WNM. 0604.. WNM. 0804..	1616 H06	56,00 €
		2020 K06	57,00 €
		2525 M06	58,00 €
		2020 K08	57,00 €
		2525 M08	58,00 €
		3232 P08	66,00 €
M - SYSTEM EXTERNAL TURNING TOOLHOLDERS / AUßEN - DREHHALTER			PRICE / PREIS
 60°	MTENN TNM. 1604.. TNM. 2204..	2020 K16	57,00 €
		2525 M16	58,00 €
		3232 P16	66,00 €
		2525 M22	58,00 €
		3232 P22	66,00 €

M - SYSTEM EXTERNAL TURNING TOOLHOLDERS / AUßEN - DREHHALTER			PRICE / PREIS
 93°	MTJNR / L TNM. 1604.. TNM. 2204..	2020 K16	57,00 €
		2525 M16	58,00 €
		3232 P16	66,00 €
		2525 M22	58,00 €
		3232 P22	66,00 €
		4040 S22	110,00 €
 95°	MWLNR / L WNM. 0604.. WNM. 0804..	1616 H06	56,00 €
		2020 K06	57,00 €
		2525 M06	58,00 €
		2020 K08	57,00 €
		2525 M08	58,00 €
		3232 P08	66,00 €
 50°	MWMNN WNM. 0604.. WNM. 0804..	1616 H06	56,00 €
		2020 K06	57,00 €
		2525 M06	58,00 €
		2020 K08	57,00 €
		2525 M08	58,00 €
		3232 P08	66,00 €

P - SYSTEM EXTERNAL TURNING TOOLHOLDERS / AUßEN - DREHHALTER			PRICE / PREIS
 75°	PCBNR / L CNM. 1204.. CNM. 1606.. CNM. 1906.. CNM. 2509..	2020 K12C	57,00 €
		2525 M12C	58,00 €
		3232 P12C	66,00 €
		2525 M16C	60,00 €
		3232 P16C	69,00 €
		3232 P19C	86,00 €
		4040 S19C	116,00 €
		4040 S25C	126,00 €
 95°	PCLNR / L CNM. 0903.. CNM. 1204.. CNM. 1606.. CNM. 1906.. CNM. 2509..	1616 H09	56,00 €
		2020 K09	57,00 €
		2525 M09	58,00 €
		1616 H12	56,00 €
		2020 K12C	57,00 €
		2525 M12C	58,00 €
		3232 P12C	66,00 €
		2525 M16C	60,00 €
		3232 P16C	69,00 €
		2525 M19C	77,00 €
		3232 P19C	86,00 €
		4040 S19C	116,00 €
		4040 S25C	126,00 €
		5050 S25C	168,00 €

P - SYSTEM EXTERNAL TURNING TOOLHOLDERS / AUßEN - DREHHALTER			PRICE / PREIS
 50°	PCMNN	2020 K12C	57,00 €
	CNM. 1204.. CNM. 1906.. CNM. 2509..	2525 M12C	58,00 €
		3232 P19C	86,00 €
		4040 S25C	126,00 €
 93°	PDJNR / L	1616 H11	56,00 €
	DNM. 1104.. DNM. 1506..	2020 K11	57,00 €
		2525 M11	58,00 €
		2020 K15C	57,00 €
		2525 M15C	58,00 €
		3232 P15C	66,00 €
		4040 S15C	110,00 €
 62.5°	PDNNN	1616 H11	56,00 €
	DNM. 1104.. DNM. 1506..	2020 K11	57,00 €
		2525 M11	58,00 €
		2020 K15C	57,00 €
		2525 M15C	58,00 €
		3232 P15C	66,00 €
 75°	PSBNR / L	NEW 1616 H09	56,00 €
	SNM. 0903.. SNM. 1204.. SNM. 1506.. SNM. 1906.. SNM. 2509..	2020 K12	57,00 €
		2525 M12C	58,00 €
		3232 P12C	66,00 €
		3232 P15C	69,00 €
		3232 P19C	86,00 €
		4040 S19C	116,00 €
		NEW 4040 S25C	126,00 €
 45°	PSDNN	1616 H09	56,00 €
	SNM. 0903.. SNM. 1204.. SNM. 1506.. SNM. 1906.. SNM. 2509..	2020 K12C	57,00 €
		2525 M12C	58,00 €
		3232 P12C	66,00 €
		2525 M15C	60,00 €
		3232 P19C	86,00 €
		NEW 4040 S25C	126,00 €
 75°	PSKNR / L	2020 K09	57,00 €
	SNM. 0903.. SNM. 1204.. SNM. 1506.. SNM. 1906.. SNM. 2509..	2020 K12C	57,00 €
		2525 M12C	58,00 €
		3232 P12C	66,00 €
		2525 M15C	60,00 €
		NEW 3232 P15C	69,00 €
		3232 P19C	86,00 €
		4040 S19C	116,00 €
		4040 S25C	126,00 €
		5050 S25C	168,00 €

P - SYSTEM EXTERNAL TURNING TOOLHOLDERS / AUßEN - DREHHALTER			PRICE / PREIS
 45°	PSSNR / L	1616 H09	56,00 €
		2020 K09	57,00 €
	SNM. 0903..	2020 K12C	57,00 €
	SNM. 1204..	2525 M12C	58,00 €
	SNM. 1906..	3232 P12C	66,00 €
	SNM. 2509..	3232 P19C	86,00 €
		4040 S19C	116,00 €
		4040 S25C	126,00 €
 90°	PTFNR / L	1616 H16	56,00 €
		2020 K16	57,00 €
	TNM. 1604..	2525 M16	58,00 €
	TNM. 2204..	3232 P16	66,00 €
		2525 M22C	58,00 €
		3232 P22C	66,00 €
 90°	PTGNR / L	1616 H16	56,00 €
		2020 K16	57,00 €
	TNM. 1604..	2525 M16	58,00 €
	TNM. 2204..	2525 M22C	58,00 €
 93°	PTJNR / L	1616 H16	56,00 €
		2020 K16	57,00 €
	TNM. 1604..	2525 M16	58,00 €
	TNM. 2204..	3232 P16	66,00 €
		2525 M22C	58,00 €
		3232 P22C	66,00 €
 60°	PTTNR / L	1616 H16	56,00 €
		2020 K16	57,00 €
	TNM. 1604..	2525 M16	58,00 €
	TNM. 2204..	3232 P16	66,00 €
		2525 M22C	58,00 €
		3232 P22C	66,00 €
 95°	PWLNR / L	1616 H06	56,00 €
		2020 K06	57,00 €
	WNM. 0604..	2525 M06	58,00 €
	WNM. 0804..	1616 H08	56,00 €
		2020 K08C	57,00 €
		2525 M08C	58,00 €
		3232 P08C	66,00 €

C - SYSTEM EXTERNAL TURNING TOOLHOLDERS / AUßEN - DREHHALTER			PRICE / PREIS
 93°	CKJNR / L KNUX. 1604..	2020 K16	57,00 €
		2525 M16	58,00 €
		3232 P16	66,00 €
		4040 S16	126,00 €
C - SYSTEM EXTERNAL TURNING TOOLHOLDERS FOR CERAMIC INSERTS / AUßEN - DREHHALTER - FÜR KERAMIK WENDESCHNEIDPLATTEN			PRICE / PREIS
 95°	CCLNR / L CN.N 1207..	2525 M1207C	78,00 €
		3232 P1207C	88,00 €
 93°	CDJNR / L DN.N 1107.. DN.N 1507..	2525 M1107C	78,00 €
		2525 M1507C	78,00 €
		3232 P1507C	88,00 €
 62.5°	CDNNN DN.N 1107..	2525 M1107C	78,00 €
 45°	CSDNN SN.N 1207..	2525 M1207C	78,00 €
		3232 P1207C	88,00 €
 75°	CSKNR / L SN.N 1207..	2525 M1207C	78,00 €
		3232 P1207C	88,00 €

C - SYSTEM EXTERNAL TURNING TOOLHOLDERS FOR CERAMIC INSERTS / AUßEN - DREHHALTER - FÜR KERAMIK WENDESCHNEIDPLATTEN			PRICE / PREIS	
 75°	CSRNR / L	2525 M1207C	78,00 €	
	SN.N 1207..	3232 P1207C	88,00 €	
 45°	CSSNR / L	2525 M1207C	78,00 €	
	SN.N 1207..	3232 P1207C	88,00 €	
 93°	CTJNR / L	2525 M1607C	78,00 €	
	TN.N 1607..	3232 P1607C	88,00 €	
S - SYSTEM EXTERNAL TURNING TOOLHOLDERS / AUßEN - DREHHALTER			PRICE / PREIS	
 90°	SCACR / L	0808 E06	34,00 €	
	CC.T 0602.. CC.T 09T3.. CC.T 1204..	1010 E06	34,00 €	
		1212 F09	34,00 €	
		1616 H09	38,00 €	
		2020 K09	40,00 €	
		2020 K12	40,00 €	
		2525 M12-Z	40,00 €	
		2525 M12	42,00 €	
 95°	SCLCR / L	0808 E06	34,00 €	
	CC.T 0602.. CC.T 09T3.. CC.T 1204..	1010 E06	34,00 €	
		1212 F09	34,00 €	
		1616 H09	38,00 €	
		2020 K09	40,00 €	
		NEW 2525 M09	42,00 €	
		2020 K12-Z	38,00 €	
		2020 K12	40,00 €	
		2525 M12-Z	40,00 €	
		2525 M12	42,00 €	
 50°	SCMCN	0808 E06	34,00 €	
	CC.T 0602.. CC.T 09T3.. CC.T 1204..	1010 E06	34,00 €	
		1212 F09	34,00 €	
		1616 H09	38,00 €	
		NEW 2020 K12	40,00 €	

S - SYSTEM EXTERNAL TURNING TOOLHOLDERS / AUßEN - DREHHALTER			PRICE / PREIS
 107.5°	SDHCR / L DC.T 0702.. DC.T 11T3..	0808 E07	34,00 €
		1010 E07	34,00 €
		1212 F07	34,00 €
		1616 H07	34,00 €
		1616 H11	38,00 €
		2020 K11	40,00 €
		2525 M11	42,00 €
		3232 P11	48,00 €
 93°	SDJCR / L DC.T 0702.. DC.T 11T3..	0808 E07	34,00 €
		1010 E07	34,00 €
		1212 F07	34,00 €
		1616 H07	34,00 €
		1616 H11	38,00 €
		2020 K11	40,00 €
		2525 M11	42,00 €
		3232 P11	48,00 €
 62.5°	SDNCN DC.T 0702.. DC.T 11T3..	0808 E07	34,00 €
		1010 E07	34,00 €
		1212 F07	34,00 €
		1616 H07	34,00 €
		1616 H11	38,00 €
		2020 K11	40,00 €
		2525 M11	42,00 €
		3232 P11	48,00 €
R 	SRDCN RC.T 0602.. RC.T 0803.. RC.T 10T3.. RC.T 1204.. RC.T 1605.. RC.T 2006.. RC.T 2507.. RC.T 3209..	1616 H06	38,00 €
		2020 K06	40,00 €
		2525 M06	42,00 €
		1616 H08C	38,00 €
		2020 K08C	40,00 €
		2525 M08C	42,00 €
		1616 H10C	38,00 €
		2020 K10C	40,00 €
		2525 M10C	42,00 €
		3232 P10C	48,00 €
		2020 K12C	40,00 €
		2525 M12C	42,00 €
		3232 P12C	48,00 €
		2525 M16C	45,00 €
		3232 P16C	51,00 €
		2525 M20C	88,00 €
		3232 P20C	104,00 €
		3232 P25C	104,00 €
		3232 P32C	104,00 €

S - SYSTEM EXTERNAL TURNING TOOLHOLDERS / AUßEN - DREHHALTER			PRICE / PREIS
 R	SRDCR / L RC.T 1204..	3232 P12C	48,00 €
 R	SRGCR / L RC.T 0602.. RC.T 0803.. RC.T 10T3.. RC.T 1204..	1616 H06	38,00 €
		2020 K06	40,00 €
		1616 H08C	38,00 €
		2020 K08C	40,00 €
		2525 M08C	42,00 €
		1616 H10C	38,00 €
		2020 K10C	40,00 €
		2525 M10C	42,00 €
		3232 P10C	48,00 €
		2020 K12C	40,00 €
		2525 M12C	42,00 €
 R	SRHCR / L RC.T 0803.. RC.T 10T3.. RC.T 1204.. RC.T 1606..	2525 K08	110,00 €
		2525 K10	110,00 €
		2525 K12	110,00 €
		2525 K16	110,00 €
 R	SRXCR / L RC.T 0803.. RC.T 10T3.. RC.T 1204..	3232 X08C	107,00 €
		3232 X10C	107,00 €
		3232 X12C	107,00 €
 45°	SSDCN SC.T 09T3.. SC.T 1204.. SC.T 1605..	1212 F09	34,00 €
		1616 H09-Z	34,00 €
		1616 H09	38,00 €
		2020 K09-Z	38,00 €
		2020 K09	40,00 €
		1616 H12-Z	34,00 €
		1616 H12	38,00 €
		2020 K12	40,00 €
		2525 M12	42,00 €
		2020 K16-Z	38,00 €

S - SYSTEM EXTERNAL TURNING TOOLHOLDERS / AUßEN - DREHHALTER			PRICE / PREIS
 45°	SSSCR / L SC.T 09T3.. SC.T 1204..	1212 F09	34,00 €
		1616 H09-Z	34,00 €
		1616 H09	38,00 €
		2020 K09-Z	38,00 €
		2020 K09	40,00 €
		1616 H12	38,00 €
		2020 K12-Z	38,00 €
		2020 K12	40,00 €
		2525 M12-Z	40,00 €
		2525 M12	42,00 €
 90°	STFCR / L TC.T 0902.. TC.T 1102.. TC.T 16T3..	0808 E09	34,00 €
		1010 E09	34,00 €
		1212 F11	34,00 €
		1616 H11	34,00 €
		1616 H16	38,00 €
		2020 K16	40,00 €
		2525 M16	42,00 €
		3232 P16	48,00 €
 90°	STGCR / L TC.T 0902.. TC.T 1102.. TC.T 16T3..	0808 E09	34,00 €
		1010 E09	34,00 €
		1212 F11	34,00 €
		1616 H11	34,00 €
		NEW 1616 H16	38,00 €
		2020 K16	40,00 €
		2525 M16	42,00 €
		3232 P16	48,00 €
 93°	STJCR / L TC.T 0902.. TC.T 1102.. TC.T 16T3..	0808 E09	34,00 €
		1010 E09	34,00 €
		1212 F11	34,00 €
		1616 H11	34,00 €
		1616 H16	38,00 €
		2020 K16	40,00 €
		2525 M16	42,00 €
		3232 P16	48,00 €
 90°	STCCN TC.T 1102.. TC.T 16T3.. TC.T 2204..	2020 L11	65,00 €
		1616 K16	60,00 €
		2020 M16	65,00 €
		2525 P16	70,00 €
		3232 R16	78,00 €
		2525 P22	70,00 €
 93°	STUCR / L TC.T 0902.. TC.T 1102.. TC.T 16T3..	0808 E09	34,00 €
		1010 E09	34,00 €
		1212 F11	34,00 €
		1616 H11	34,00 €
		2020 K16	40,00 €
		2525 M16	42,00 €
		3232 P16	48,00 €

S - SYSTEM EXTERNAL TURNING TOOLHOLDERS / AUßEN - DREHHALTER			PRICE / PREIS
 107.5°	SVHBR / L VBM. 1103.. VBM. 1604..	1212 F11	34,00 €
		1616 H11	34,00 €
		2020 K11	38,00 €
		2020 K16	40,00 €
		2525 M16	42,00 €
		3232 P16	48,00 €
 107.5°	SVHCR / L VC.T 1103.. VC.T 1604..	1212 F11	34,00 €
		1616 H11	34,00 €
		2020 K11	38,00 €
		2020 K16	40,00 €
		2525 M16	42,00 €
		3232 P16	48,00 €
 93°	SVJBR / L VBM. 1103.. VBM. 1604..	1212 F11	34,00 €
		1616 H11	34,00 €
		2020 K11	38,00 €
		1616 H16	38,00 €
		2020 K16	40,00 €
		2525 M16	42,00 €
 93°	SVJCR / L VC.T 1103.. VC.T 1604..	3232 P16	48,00 €
		1212 F11	34,00 €
		1616 H11	34,00 €
		2020 K11	38,00 €
		1212 F16	34,00 €
		2020 K16	40,00 €
 72.5°	SVVBN VBM. 1103.. VBM. 1604..	2525 M16	42,00 €
		3232 P16	48,00 €
		1212 F11	34,00 €
		1616 H11	34,00 €
		2020 K11	38,00 €
		2020 K16	40,00 €
 72.5°	SVVCN VC.T 1103.. VC.T 1604..	2525 M16	42,00 €
		3232 P16	48,00 €
		1212 F11	34,00 €
		1616 H11	34,00 €
		2020 K11	38,00 €
		2020 K16	40,00 €
TOOLS FOR SWISS TYPE SLIDING AUTOMATIC LATHES / WERKZEUGE FÜR LANGDREHAUTOMATEN			PRICE / PREIS
 90°	SCACR / L CC.T 0602.. CC.T 09T3..	1010 K06-S	44,00 €
		1212 K09-S	46,00 €
		1616 K09-S	48,00 €
		2020 K09-S	50,00 €

TOOLS FOR SWISS TYPE SLIDING AUTOMATIC LATHES / WERKZEUGE FÜR LANGDREHAUTOMATEN			PRICE / PREIS
 SCLCR / L CC.T 0602.. CC.T 09T3.. 95°		0808 X06-S	42,00 €
		1010 X06-S	42,00 €
		1212 G06-S	44,00 €
		1212 X06-S	44,00 €
		1616 F06-S	46,00 €
		1616 X06-S	46,00 €
		1212 G09-S	44,00 €
		1212 X09-S	44,00 €
		1616 F09-S	46,00 €
		1616 X09-S	46,00 €
		2020 X09-S	48,00 €
 SDACR / L DC.T 0702.. DC.T 11T3.. 90°		1010 K07-S	44,00 €
		1212 K07-S	46,00 €
		1616 K07-S	48,00 €
		1212 K11-S	46,00 €
		1616 K11-S	48,00 €
		2020 K11-S	50,00 €
 SDJCR / L DC.T 0702.. DC.T 11T3.. 93°		0808 X07-S	42,00 €
		1010 X07-S	42,00 €
		1212 G07-S	44,00 €
		1212 X07-S	44,00 €
		1616 F07-S	46,00 €
		1616 X07-S	46,00 €
		2020 X07-S	48,00 €
		1212 G11-S	44,00 €
		1212 X11-S	44,00 €
		1212 K11-S	46,00 €
		1616 F11-S	46,00 €
		1616 X11-S	46,00 €
		1616 K11-S	48,00 €
		2020 X11-S	48,00 €
 SVACR / L VC.T 1103.. VC.T 1604.. 90°		NEW 1010 K11-S	44,00 €
		1212 K11-S	46,00 €
		1616 K11-S	48,00 €
		2020 K11-S	50,00 €
		NEW 1212 K16-S	46,00 €
 SVJBR / L VBM. 1103.. 93°		NEW 1616 K16-S	48,00 €
 SVJCR / L VC.T 1103.. 93°		NEW 0808 X11-S	42,00 €
		1212 K11-S	46,00 €

T - SYSTEM BORING BARS / BOHRSTANGE T-SYSTEM			PRICE / PREIS
 95°	TCLNR / L	S25S TCLNR / L 09-Z	65,00 €
	CNM. 0903.. CNM. 1204.. CNM. 1606..	S25S TCLNR / L 09	68,00 €
		S25S TCLNR / L 12-Z	65,00 €
		S25S TCLNR / L 12	68,00 €
		S32T TCLNR / L 12	83,00 €
		S40U TCLNR / L 12	110,00 €
		S50V TCLNR / L 12	132,00 €
		S32T TCLNR / L 16	86,00 €
		S40U TCLNR / L 16	116,00 €
		S50V TCLNR / L 16	139,00 €
 62.5°	TD-NR / L	S32T TD-NR / L 15	83,00 €
	DNM. 1506..	S40U TD-NR / L 15	110,00 €
		S50V TD-NR / L 15	132,00 €
 107.5°	TDQNR / L	S25S TDQNR / L 11-Z	65,00 €
	DNM. 1104.. DNM. 1506..	S25S TDQNR / L 11	68,00 €
		S32T TDQNR / L 11	83,00 €
		S32T TDQNR / L 15	83,00 €
		S40U TDQNR / L 15	110,00 €
		S50V TDQNR / L 15	132,00 €
 93°	TDUNR / L	S25S TDUNR / L 11-Z	65,00 €
	DNM. 1104.. DNM. 1506..	S25S TDUNR / L 11	68,00 €
		S32T TDUNR / L 11	83,00 €
		S25S TDUNR / L 15	68,00 €
		S32T TDUNR / L 15	83,00 €
		S40U TDUNR / L 15	110,00 €
		S50V TDUNR / L 15	132,00 €
 75°	TSKNR / L	S25S TSKNR / L 12-Z	65,00 €
	SNM. 1204..	S25S TSKNR / L 12	68,00 €
		S32T TSKNR / L 12	83,00 €
		S40U TSKNR / L 12	110,00 €

T - SYSTEM BORING BARS / BOHRSTANGE T-SYSTEM			PRICE / PREIS
 			

M - SYSTEM BORING BARS / BOHRSTANGE M-SYSTEM			PRICE / PREIS
 MDUNR / L DNM. 1104.. DNM. 1506.. 93°		S20R MDUNR / L 11	58,00 €
		S25S MDUNR / L 11	65,00 €
		S25S MDUNR / L 15-Z	65,00 €
		S25S MDUNR / L 15	68,00 €
		S32T MDUNR / L 15	83,00 €
		S40U MDUNR / L 15	110,00 €
		S50V MDUNR / L 15	132,00 €
 MTFNR / L TNM. 1604.. TNM. 2204.. 90°		S20R MTFNR / L 16	58,00 €
		S25S MTFNR / L 16	68,00 €
		S32T MTFNR / L 16	83,00 €
		S40U MTFNR / L 16	110,00 €
		S32T MTFNR / L 22	83,00 €
		S40U MTFNR / L 22	110,00 €
 MT-NR / L TNM. 1604.. TNM. 2204.. 60°		S20R MT-NR / L 16	58,00 €
		S25S MT-NR / L 16-Z	65,00 €
		S25S MT-NR / L 16	68,00 €
		S32T MT-NR / L 16	83,00 €
		S40U MT-NR / L 16	83,00 €
		S32T MT-NR / L 22	110,00 €
		S40U MT-NR / L 22	110,00 €
 MTQNR / L TNM. 1604.. TNM. 2204.. 107.5°		S20R MTQNR / L 16	58,00 €
		S25S MTQNR / L 16-Z	65,00 €
		S25S MTQNR / L 16	68,00 €
		S32T MTQNR / L 16	83,00 €
		S40U MTQNR / L 16	110,00 €
		S32T MTQNR / L 22	83,00 €
		S40U MTQNR / L 22	110,00 €
 MTQNR / L TNM. 1604.. TNM. 2204.. 107.5°		S50V MTQNR / L 22	132,00 €
		S20R MTUNR / L 16	58,00 €
		S25S MTUNR / L 16-Z	65,00 €
		S25S MTUNR / L 16	68,00 €
		S32T MTUNR / L 16	83,00 €
		S40U MTUNR / L 16	110,00 €
		S50V MTUNR / L 16	132,00 €
 MTUNR / L TNM. 1604.. TNM. 2204.. 93°		S32T MTUNR / L 22	83,00 €
		S40U MTUNR / L 22	110,00 €
		S50V MTUNR / L 22	132,00 €
		S16P MWLNR / L 06	56,00 €
		S20R MWLNR / L 06	58,00 €
		S25S MWLNR / L 06	65,00 €
		S25S MWLNR / L 08-Z	65,00 €
 MWLNR / L WNM. 0604.. WNM. 0804.. 95°		S25S MWLNR / L 08	68,00 €
		S32T MWLNR / L 08	83,00 €
		S40U MWLNR / L 08	110,00 €

P - SYSTEM BORING BARS / BOHRSTANGE P-SYSTEM			PRICE / PREIS
 95°	PCLNR / L CNM. 0903.. CNM. 1204.. CNM. 1606.. CNM. 1906..	S16P PCLNR / L 09	56,00 €
		S20R PCLNR / L 09	58,00 €
		S25S PCLNR / L 12C	68,00 €
		S32T PCLNR / L 12C	83,00 €
		S40U PCLNR / L 12C	110,00 €
		S50V PCLNR / L 12C	132,00 €
		S32T PCLNR / L 16C	86,00 €
		S40U PCLNR / L 16C	116,00 €
		S50V PCLNR / L 16C	139,00 €
		S40U PCLNR / L 19C	144,00 €
		S50V PCLNR / L 19C	168,00 €
		A25R PCLNR / L 12C	83,00 €
		A32S PCLNR / L 12C	100,00 €
		A40T PCLNR / L 12C	132,00 €
		A50U PCLNR / L 12C	160,00 €
		A32S PCLNR / L 16C	104,00 €
		A40T PCLNR / L 16C	139,00 €
		A50U PCLNR / L 16C	168,00 €
		A40T PCLNR / L 19C	180,00 €
		A50U PCLNR / L 19C	200,00 €
 107.5°	PDQNR / L DNM. 1104.. DNM. 1504.. DNM. 1506..	S25S PDQNR / L 11	68,00 €
		S32T PDQNR / L 15	83,00 €
		S40U PDQNR / L 15	110,00 €
		S50V PDQNR / L 15	132,00 €
		S32T PDQNR / L 1504	83,00 €
		S40U PDQNR / L 1504	110,00 €
		S50V PDQNR / L 1504	132,00 €
		A20P PDQNR / L 11	69,00 €
		A25R PDQNR / L 11	83,00 €
		A32S PDQNR / L 15	100,00 €
		A40T PDQNR / L 15	132,00 €
		A50U PDQNR / L 15	160,00 €
		A32S PDQNR / L 1504	100,00 €
		A40T PDQNR / L 1504	132,00 €
 93°	PDUNR / L DNM. 1104.. DNM. 1506..	S20R PDUNR / L 11	58,00 €
		S25S PDUNR / L 11	68,00 €
		S25S PDUNR / L 15	68,00 €
		S32T PDUNR / L 15	83,00 €
		S40U PDUNR / L 15	110,00 €
		S50V PDUNR / L 15	132,00 €
		A20P PDUNR / L 11	69,00 €
		A25R PDUNR / L 11	83,00 €
		A32S PDUNR / L 15	100,00 €
		A40T PDUNR / L 15	132,00 €
		A50U PDUNR / L 15	160,00 €

P - SYSTEM BORING BARS / BOHRSTANGE P-SYSTEM			PRICE / PREIS
 93°	PDXNR / L	S32T PDXNR / L 15	83,00 €
	DNM. 1506..	S40U PDXNR / L 15	110,00 €
		S50V PDXNR / L 15	132,00 €
 75°	PSKNR / L	S25S PSKNR / L 12C	68,00 €
	SNM. 1204..	S32T PSKNR / L 12C	83,00 €
		S40U PSKNR / L 12C	110,00 €
		S50V PSKNR / L 12C	132,00 €
 93°	PTUNR / L	S16P PTUNR / L 16	56,00 €
	TNM. 1604.. TNM. 2204..	S20R PTUNR / L 16	58,00 €
		S25S PTUNR / L 16C	68,00 €
		S32T PTUNR / L 16C	83,00 €
		S40U PTUNR / L 16C	110,00 €
		S32T PTUNR / L 22C	83,00 €
		S40U PTUNR / L 22C	110,00 €
		S50V PTUNR / L 22C	132,00 €
 95°	PWLNR / L	S20R PWLNR / L 06	58,00 €
	WNM. 0604.. WNM. 0804..	S25S PWLNR / L 06	68,00 €
		S32T PWLNR / L 06	83,00 €
		S25S PWLNR / L 08C	68,00 €
		S32T PWLNR / L 08C	83,00 €
		S40U PWLNR / L 08C	110,00 €
		S50V PWLNR / L 08C	132,00 €
		A20P PWLNR / L 06	69,00 €
		A25R PWLNR / L 06	83,00 €
		A32S PWLNR / L 06	100,00 €
		A25R PWLNR / L 08C	83,00 €
		A32S PWLNR / L 08C	100,00 €
		A40T PWLNR / L 08C	132,00 €
		A50U PWLNR / L 08C	160,00 €

S25S PWLNR 08, "S": Steel Shank / Ohne Innenkühlung
A25R PWLNR 08, "A": Solid Steel With Coolant Hole / Mit Innenkühlung

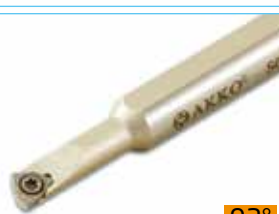
Ordering Example/Beispiel Bestellformular: 1 pcs. S32T PDXNR 15



S - SYSTEM BORING BARS / BOHRSTANGE S-SYSTEM			PRICE / PREIS
 SCFCR / L CC.T 0602.. CC.T 09T3..	90°	S08H SCFCR / L 06	24,00 €
		S10K SCFCR / L 06	26,00 €
		S12K SCFCR / L 06	28,00 €
		S12K SCFCR / L 09	28,00 €
		S16P SCFCR / L 09	33,00 €
		S20R SCFCR / L 09	34,00 €
		S25S SCFCR / L 09-Z	44,00 €
		S25S SCFCR / L 09	46,00 €
 SCLCR / L CC.T 0301.. CC.T 0602.. CC.T 09T3.. CC.T 1204..	95°	NEW S0608H SCLCR / L 03	43,00 €
		S0608H SCLCR / L 06	24,00 €
		S08H SCLCR / L 06	24,00 €
		S10K SCLCR / L 06	26,00 €
		S12K SCLCR / L 06	28,00 €
		S1216P SCLCR / L 06	33,00 €
		S16P SCLCR / L 06	33,00 €
		S12K SCLCR / L 09	28,00 €
		S1416P SCLCR / L 09	33,00 €
		S16P SCLCR / L 09	33,00 €
		S1620R SCLCR / L 09	34,00 €
		S20R SCLCR / L 09	34,00 €
		S25S SCLCR / L 09-Z	44,00 €
		S25S SCLCR / L 09	46,00 €
		S32T SCLCR / L 09	71,00 €
		S25S SCLCR / L 12-Z	44,00 €
		S25S SCLCR / L 12	46,00 €
		S32T SCLCR / L 12	71,00 €
		S40U SCLCR / L 12	105,00 €
		A08H SCLCR / L 06	28,00 €
		A10H SCLCR / L 06	32,00 €
		A12H SCLCR / L 06	34,00 €
		A16M SCLCR / L 09	41,00 €
		A20P SCLCR / L 09	42,00 €
		A25R SCLCR / L 09	59,00 €
		A32S SCLCR / L 09	90,00 €
		A25R SCLCR / L 12	59,00 €
 SD-CR / L DC.T 0702.. DC.T 11T3..	62.5°	S12K SD-CR / L 07	28,00 €
		S16P SD-CR / L 11	33,00 €
		S20R SD-CR / L 11	34,00 €
		S25S SD-CR / L 11-Z	44,00 €
		S25S SD-CR / L 11	46,00 €
		S32T SD-CR / L 11	71,00 €
		S40U SD-CR / L 11	105,00 €
 SDPCR / L DC.T 0702.. DC.T 11T3..	117.5°	S10K SDPCR / L 07	26,00 €
		S12K SDPCR / L 07	28,00 €
		S16P SDPCR / L 11	33,00 €
		S20R SDPCR / L 11	34,00 €
		S25S SDPCR / L 11	46,00 €

S - SYSTEM BORING BARS / BOHRSTANGE S-SYSTEM			PRICE / PREIS
 SDQCR / L DC.T 0702.. DC.T 11T3.. 107.5°		S10K SDQCR / L 07	26,00 €
		S12K SDQCR / L 07	28,00 €
		S16P SDQCR / L 07	33,00 €
		S20R SDQCR / L 07	34,00 €
		S16P SDQCR / L 11	33,00 €
		S20R SDQCR / L 11	34,00 €
		S25S SDQCR / L 11-Z	44,00 €
		S25S SDQCR / L 11	46,00 €
		S32T SDQCR / L 11	71,00 €
		A10H SDQCR / L 07	32,00 €
		A12H SDQCR / L 07	34,00 €
		A16M SDQCR / L 07	41,00 €
		A20P SDQCR / L 07	42,00 €
		A16M SDQCR / L 11	41,00 €
		A20P SDQCR / L 11	42,00 €
		A25R SDQCR / L 11	59,00 €
		A32S SDQCR / L 11	90,00 €
 SDUCR / L DC.T 0702.. DC.T 11T3.. 93°		S0810K SDUCR / L 07	27,00 €
		S10K SDUCR / L 07	26,00 €
		S12K SDUCR / L 07	28,00 €
		S1216P SDUCR / L 07	33,00 €
		NEW S1416P SDUCR / L 07	33,00 €
		S16P SDUCR / L 07	33,00 €
		S20R SDUCR / L 07	34,00 €
		S1416P SDUCR / L 11	33,00 €
		S16P SDUCR / L 11	33,00 €
		S1620R SDUCR / L 11	34,00 €
		S20R SDUCR / L 11	34,00 €
		S25S SDUCR / L 11-Z	44,00 €
		S25S SDUCR / L 11	46,00 €
		S32T SDUCR / L 11	71,00 €
		S40U SDUCR / L 11	105,00 €
		S50V SDUCR / L 11	126,00 €
		A0810H SDUCR / L 07	32,00 €
		A10H SDUCR / L 07	32,00 €
		A12H SDUCR / L 07	34,00 €
		A16M SDUCR / L 07	41,00 €
		A20P SDUCR / L 07	42,00 €
		A16M SDUCR / L 11	41,00 €
		A20P SDUCR / L 11	42,00 €
		A25R SDUCR / L 11	59,00 €
		A32S SDUCR / L 11	90,00 €
 SDXCR / L DC.T 0702.. DC.T 11T3.. 93°		S12K SDXCR / L 07	28,00 €
		S16P SDXCR / L 07	33,00 €
		S20R SDXCR / L 11	34,00 €
		S25S SDXCR / L 11-Z	44,00 €
		S25S SDXCR / L 11	46,00 €
		S32T SDXCR / L 11	71,00 €
		S40U SDXCR / L 11	105,00 €

S - SYSTEM BORING BARS / BOHRSTANGE S-SYSTEM			PRICE / PREIS
 45°	SSSCR / L SC.T 09T3.. SC.T 1204..	S16P SSSCR / L 09	33,00 €
		S20R SSSCR / L 09	34,00 €
		S25S SSSCR / L 09-Z	44,00 €
		S25S SSSCR / L 12	46,00 €
		NEW S32T SSSCR / L 12	71,00 €
		NEW S40U SSSCR / L 12	105,00 €
 60°	ST-CR / L TC.T 1102.. TC.T 16T3..	NEW S12K ST-CR / L 11	28,00 €
		NEW S16P ST-CR / L 11	33,00 €
		S16P ST-CR / L 16	33,00 €
		S20R ST-CR / L 16	34,00 €
		S25S ST-CR / L 16-Z	44,00 €
		S25S ST-CR / L 16	46,00 €
		S32T ST-CR / L 16	71,00 €
		S40U ST-CR / L 16	105,00 €
 90°	STF-CR / L TC.T 06T1.. TC.T 0902.. TC.T 1102.. TC.T 16T3..	S0610F STF-CR / L 06	34,00 €
		NEW S08H STF-CR / L 06	24,00 €
		S10K STF-CR / L 09	26,00 €
		S12K STF-CR / L 09	28,00 €
		S12K STF-CR / L 11	28,00 €
		S16P STF-CR / L 11	33,00 €
		S20R STF-CR / L 11	34,00 €
		S16P STF-CR / L 16	33,00 €
		S20R STF-CR / L 16	34,00 €
		S25S STF-CR / L 16-Z	44,00 €
		S25S STF-CR / L 16	46,00 €
		S32T STF-CR / L 16	71,00 €
 93°	STUCR / L TC.T 0902.. TC.T 1102.. TC.T 16T3..	S10K STUCR / L 09	26,00 €
		S12K STUCR / L 09	28,00 €
		S12K STUCR / L 11	28,00 €
		S16P STUCR / L 11	33,00 €
		S20R STUCR / L 11	34,00 €
		S16P STUCR / L 16	33,00 €
		S20R STUCR / L 16	34,00 €
		S25S STUCR / L 16-Z	44,00 €
		S25S STUCR / L 16	46,00 €
		S32T STUCR / L 16	71,00 €
		S40U STUCR / L 16	105,00 €
 142°	SVJBR / L VBM. 1604..	S25S SVJBR / L 16	56,00 €
		S32T SVJBR / L 16	71,00 €
		S40U SVJBR / L 16	105,00 €

S - SYSTEM BORING BARS / BOHRSTANGE S-SYSTEM			PRICE / PREIS
 SVQBR / L VBM. 1103.. VBM. 1604.. 107.5°		S16P SVQBR / L 11	33,00 €
		S20R SVQBR / L 11	34,00 €
		S25S SVQBR / L 16-Z	53,00 €
		S25S SVQBR / L 16	56,00 €
		S32T SVQBR / L 16	71,00 €
		S40U SVQBR / L 16	105,00 €
 SVQCR / L VC.T 1103.. VC.T 1604.. 107.5°		S16P SVQCR / L 11	33,00 €
		S20R SVQCR / L 11	34,00 €
		S25S SVQCR / L 16-Z	53,00 €
		S25S SVQCR / L 16	56,00 €
		S32T SVQCR / L 16	71,00 €
		S40U SVQCR / L 16	105,00 €
 SVUBR / L VBM. 1103.. VBM. 1604.. 93°		S16P SVUBR / L 11	33,00 €
		S20R SVUBR / L 11	34,00 €
		S25S SVUBR / L 16-Z	53,00 €
		S25S SVUBR / L 16	56,00 €
		S32T SVUBR / L 16	71,00 €
		S40U SVUBR / L 16	105,00 €
 SVUCR / L VC.T 1103.. VC.T 1604.. 93°		S16P SVUCR / L 11	33,00 €
		S20R SVUCR / L 11	34,00 €
		S25S SVUCR / L 16-Z	53,00 €
		S25S SVUCR / L 16	56,00 €
		S32T SVUCR / L 16	71,00 €
		S40U SVUCR / L 16	105,00 €
 SVXBR / L VBM. 1103.. VBM. 1604.. 93°		S16P SVXBR / L 11	33,00 €
		S20R SVXBR / L 11	34,00 €
		S25S SVXBR / L 16	56,00 €
		S32T SVXBR / L 16	71,00 €
		S40U SVXBR / L 16	105,00 €
 SWLCR WC.. 0302.. 95°		S0608H SWLCR 03	24,00 €
		S0810K SWLCR 03	26,00 €
 SWUBR WBGT 060102 93°		S08H SWUBR 06-5.5	31,00 €
		S08H SWUBR 06-7	31,00 €

CARTRIDGE / KURZDREHHALTER			PRICE / PREIS
 90°	SCACR / L CC.T 0602.. CC.T 09T3.. CC.T 1204..	S10X SCACR / L 06	34,00 €
		S10A SCACR / L 06	34,00 €
		S10C SCACR / L 06	34,00 €
		S12B SCACR / L 06	36,00 €
		NEW S12D SCACR / L 06	42,00 €
		S15C SCACR / L 09	42,00 €
		S15E SCACR / L 09	42,00 €
		S15D SCACR / L 09	42,00 €
		S16A SCACR / L 09	42,00 €
		S16B SCACR / L 09	42,00 €
		S16C SCACR / L 09	42,00 €
		S16D SCACR / L 09	42,00 €
		S16E SCACR / L 09	42,00 €
		S16G SCACR / L 09	42,00 €
		S16H SCACR / L 09	42,00 €
		S18E SCACR / L 09	45,00 €
		S20E SCACR / L 09	45,00 €
		S20E SCACR / L 12	45,00 €
		S20H SCACR / L 12	45,00 €
 50°	SCMCN CC.T 0602.. CC.T 09T3..	S10X SCMCN 06	34,00 €
		S16C SCMCN 09	42,00 €
		S16D SCMCN 09	42,00 €
 -°	STXCR / L TC.T 16T3..	STXCR / L 2020 B16	56,00 €
		STXCR / L 2020 E16	56,00 €
		STXCR / L 2020 B16-SA	56,00 €
		STXCR / L 2020 E16-SA	56,00 €
 90°	CTFPR / L TP.. 16 TP.. 22	CTFPR / L 13CS 16	63,00 €
		CTFPR / L 15CS 22	63,00 €
 45°	CTSPR / L TP.. 11	CTSPR / L 11.5CS 11	63,00 €

CARTRIDGE / KURZDREHHALTER			PRICE / PREIS
 95°	MSYNR / L SNM. 1204..	MSYNR / L 11.5CS 12	63,00 €
		MSYNR / L 16CS 12	63,00 €
 90°	SCFCR / L CC.T 0602.. CC.T 09T3.. CC.T 1204..	SCFCR / L 06CA 06	44,00 €
		SCFCR / L 08CA 06	44,00 €
		SCFCR / L 10CA 09	44,00 €
		SCFCR / L 12CA 12	44,00 €
		SCFCR / L 16CA 12	49,00 €
 45°	SCSCR / L CC.T 0602.. CC.T 09T3.. CC.T 1204..	SCSCR / L 06CA 06	44,00 €
		SCSCR / L 10CA 09	44,00 €
		SCSCR / L 12CA 12	44,00 €
 90°	STFCR / L TC.T 1102.. TC.T 16T3..	STFCR / L 10CA 11	44,00 €
		STFCR / L 12CA 16	44,00 €
 45°	STSCR / L TC.T 0902.. TC.T 1102.. TC.T 16T3..	STSCR / L 08CA 09	44,00 €
		STSCR / L 10CA 11	44,00 €
		STSCR / L 12CA 16	44,00 €
 60°	STTCR / L TC.T 0902.. TC.T 1102..	STTCR / L 08CA 09	44,00 €
		STTCR / L 10CA 11	44,00 €
 45°	PSDNN 12 SNM. 1204..	S22D PSDNN 12C	110,00 €

EXTERNAL THREADING TOOLHOLDERS / GEWINDE-DREHHALTER FÜR AUSSEN		CUTTING INSERT WENDE PLATTE	PRICE / PREIS
	SER / L 0808 E11		35,00 €
	SER / L 1010 E11	11 ER / L	35,00 €
	SER / L 1212 F11		36,00 €
	SER / L 1616 H11		36,00 €
	SER / L 1616 H16C	16 ER / L	40,00 €
	SER / L 2020 K16C	(0.35-3)	42,00 €
	SER / L 2525 M16C	ISO METRIC	45,00 €
	SER / L 3232 P16C		53,00 €
	SER / L 2525 M22C	22 ER / L	50,00 €
	SER / L 3232 P22C	(3.5-4.5)	58,00 €
	SER / L 4040 S22C	ISO METRIC	87,00 €
	SER / L 2525 M16C-T	16 ER / L (1.5-3) TR	45,00 €
	SER / L 2525 M22C-T	22 ER / L (4-6) TR	50,00 €
	SER / L 2020 K16C-S	SNDVK 166	54,00 €
	SER / L 2525 M16C-S	ER / L 16	57,00 €
	SER / L 3232 P16C-S		66,00 €

INTERNAL THREADING TOOLHOLDERS / GEWINDE-DREHHALTER FÜR INNEN		CUTTING INSERT WENDE PLATTE	PRICE / PREIS
	SIR / L S16X07M 08	08 IR / L	35,00 €
	SIR / L S10H 11		35,00 €
	SIR / L S12K 11	11 IR / L	35,00 €
	SIR / L S16X10M 11	ISO	35,00 €
	SIR / L S16X13M 11		35,00 €
	SIR / L S16M 11		35,00 €
	SIR / L S16x13M 16		35,00 €
	SIR / L S16M 16		35,00 €
	SIR / L S20x16P 16	16 IR / L	37,00 €
	SIR / L S20P 16	(0.35-3)	37,00 €
	SIR / L S25R 16C	ISO METRIC	47,00 €
	SIR / L S32S 16C		62,00 €
	SIR / L S40T 16C		79,00 €
	SIR / L S50U 16C		110,00 €
	SIR / L S20P 22		37,00 €
	SIR / L S25R 22C	22 IR / L	50,00 €
	SIR / L S32S 22C	(3.5-4.5)	67,00 €
	SIR / L S40T 22C	ISO METRIC	79,00 €
	SIR / L S50U 22C		110,00 €
	SIR / L S25R 16C-T	16 IR / L (2-3) TR	47,00 €
	SIR / L S32S 16C-T	ISO	62,00 €
	SIR / L S25R 22C-T	22 IR / L (4-6) TR	50,00 €
	SIR / L S32S 22C-T	ISO	67,00 €

EXTERNAL THREADING TOOLHOLDERS / GEWINDE-DREHHALTER FÜR AUSSEN		CUTTING INSERT WENDE PLATTE	PRICE / PREIS
	TER / L 1616 H16		45,00 €
	TER / L 2020 K16	16 ER / L	47,00 €
	TER / L 2525 M16	ISO	50,00 €
	TER / L 3232 P16		58,00 €
	TER / L 2525 M22	22 ER / L	58,00 €
	TER / L 3232 P22	ISO	66,00 €
	TER / L 4040 S22		95,00 €
	TER / L 2525 M27	27 ER / L	96,00 €
	TER / L 3232 P27	ISO	105,00 €
	TER / L 4040 S27		139,00 €

INTERNAL THREADING TOOLHOLDERS / GEWINDE-DREHHALTER FÜR INNEN		CUTTING INSERT WENDE PLATTE	PRICE / PREIS
	TIR / L S25R 16		52,00 €
	TIR / L S32S 16	16 ER / L	67,00 €
	TIR / L S40T 16	ISO	84,00 €
	TIR / L S50U 16		115,00 €
	TIR / L S25R 22		58,00 €
	TIR / L S32S 22	22 ER / L	75,00 €
	TIR / L S40T 22	ISO	87,00 €
	TIR / L S50U 22		118,00 €
	TIR / L S32S 27	27 ER / L	114,00 €
	TIR / L S40T 27	ISO	126,00 €
	TIR / L S50U 27		148,00 €

Ordering Example/Beispiel Bestellformular: 1 pcs. TER 1616 H16



EXTERNAL GROOVING TOOLHOLDERS / AUßEN - STECHHALTER		CUTTING INSERT WENDE PLATTE	PRICE / PREIS
 COMPATIBLE WITH KRLY - JD INSERT KOMPATIBEL FÜR WENDESCHNEIDPLATTEN KRLY - JD	ADKT-K-R/L-1212-2-T15	MGM. - 2	69,00 €
	ADKT-K-R/L-1616-2-T15	MGM. - 2	70,00 €
	ADKT-K-R/L-2020-2-T15	MGM. - 2	71,00 €
	ADKT-K-R/L-2525-2-T15	MGM. - 2	72,00 €
	ADKT-K-R/L-1212-3-T15	MGM. - 3	69,00 €
	ADKT-K-R/L-1616-3-T15	MGM. - 3	70,00 €
	ADKT-K-R/L-2020-3-T20	MGM. - 3	71,00 €
	ADKT-K-R/L-2525-3-R15	MGM. - 3	72,00 €
	ADKT-K-R/L-2525-3-T22	MGM. - 3	72,00 €
	ADKT-K-R/L-3232-3-T22	MGM. - 3	83,00 €
	ADKT-K-R/L-2020-4-T20	MGM. - 4	71,00 €
	ADKT-K-R/L-2525-4-T18	MGM. - 4	72,00 €
	ADKT-K-R/L-2525-4-T22	MGM. - 4	72,00 €
	ADKT-K-R/L-3232-4-T22	MGM. - 4	83,00 €
	ADKT-K-R/L-2020-5-T20	MGM. -5	71,00 €
	ADKT-K-R/L-2525-5-T18	MGM. -5	72,00 €
	ADKT-K-R/L-2525-5-T25	MGM. -5	72,00 €
	ADKT-K-R/L-3232-5-T25	MGM. -5	83,00 €
 NEW COMPATIBLE WITH KRLY INSERT KOMPATIBEL FÜR WENDESCHNEIDPLATTEN KRLY	ADKT-KG-R/L-2020-2-T15	KG.. - 2	91,00 €
	ADKT-KG-R/L-2525-2-T15	KG.. - 2	92,00 €
	ADKT-KG-R/L-1616-3-T20	KG.. - 3	90,00 €
	ADKT-KG-R/L-2020-3-T20	KG.. - 3	91,00 €
	ADKT-KG-R/L-2525-3-T22	KG.. - 3	92,00 €
	ADKT-KG-R/L-2020-4-T20	KG.. - 4	91,00 €
 COMPATIBLE WITH HRN INSERT KOMPATIBEL FÜR WENDESCHNEIDPLATTEN HRN	ADKT-H-R/L-2020-3-T20	S229 - 3	71,00 €
	ADKT-H-R/L-2525-3-T22	S229 - 3	72,00 €
	ADKT-H-R/L-2020-4-T20	S229 - 4	71,00 €
	ADKT-H-R/L-2525-4-T22	S229 - 4	72,00 €
	ADKT-H-R/L-3232-4-T22	S229 - 4	83,00 €
	ADKT-H-R/L-2020-5-T20	S229 - 5	71,00 €
	ADKT-H-R/L-2525-5-T25	S229 - 5	72,00 €
	ADKT-H-R/L-2525-6-T25	S229 - 6	72,00 €
 COMPATIBLE WITH HRN INSERT KOMPATIBEL FÜR WENDESCHNEIDPLATTEN HRN	ADKT-HK-R/L-1616-2-T15	S224 - 2	70,00 €
	ADKT-HK-R/L-2020-2-T15	S224 - 2	71,00 €
	ADKT-HK-R/L-2525-2-T15	S224 - 2	72,00 €
	ADKT-HK-R/L-2020-3-T20	S224 - 3	71,00 €
	ADKT-HK-R/L-2525-3-T22	S224 - 3	72,00 €
	ADKT-HK-R/L-2020-4-T20	S224 - 4	71,00 €
	ADKT-HK-R/L-2525-4-T22	S224 - 4	72,00 €
	ADKT-HS223-R/L-2020-2-T15	S223 - 2	71,00 €

EXTERNAL GROOVING TOOLHOLDERS / AUßEN - STECHHALTER		CUTTING INSERT WENDE PLATTE	PRICE / PREIS
 COMPATIBLE WITH ZCC INSERT KOMPATIBEL FÜR WENDESCHNEIDPLATTEN ZCC	ADKT-ZCC1-R/L-2020-3-T20	ZQMX - 3	71,00 €
	ADKT-ZCC1-R/L-2525-3-T22	ZQMX - 3	72,00 €
	ADKT-ZCC1-R/L-2020-4-T20	ZQMX - 4	71,00 €
	ADKT-ZCC1-R/L-2525-4-T22	ZQMX - 4	72,00 €
	NEW ADKT-ZCC2-R/L-1616-2-T15	ZT.D - 2	70,00 €
	ADKT-ZCC2-R/L-2020-2-T15	ZT.D - 2	71,00 €
	ADKT-ZCC2-R/L-2525-2-T15	ZT.D - 2	72,00 €
	ADKT-ZCC2-R/L-2525-2.5-T15	ZT.D - 2.5	72,00 €
	ADKT-ZCC2-R/L-1616-3-T15	ZT.D - 3	70,00 €
	NEW ADKT-ZCC2-R/L-2020-3-T12	ZT.D - 3	71,00 €
	ADKT-ZCC2-R/L-2020-3-T20	ZT.D - 3	71,00 €
	NEW ADKT-ZCC2-R/L-2525-3-T12	ZT.D - 3	72,00 €
	ADKT-ZCC2-R/L-2525-3-T22	ZT.D - 3	72,00 €
	NEW ADKT-ZCC2-R/L-2020-4-T12	ZT.D - 4	71,00 €
	ADKT-ZCC2-R/L-2020-4-T20	ZT.D - 4	71,00 €
	NEW ADKT-ZCC2-R/L-2525-4-T12	ZT.D - 4	72,00 €
	ADKT-ZCC2-R/L-2525-4-T22	ZT.D - 4	72,00 €
	NEW ADKT-ZCC2-R/L-2020-5-T12	ZT.D - 5	71,00 €
	ADKT-ZCC2-R/L-2020-5-T20	ZT.D - 5	71,00 €
	NEW ADKT-ZCC2-R/L-2525-5-T12	ZT.D - 5	72,00 €
 COMPATIBLE WITH KNMTL INSERT KOMPATIBEL FÜR WENDESCHNEIDPLATTEN KNMTL	ADKT-ZCC2-R/L-2525-5-T25	ZT.D - 5	72,00 €
	ADKT-ZCC2-R/L-2020-6-T20	ZT.D - 6	71,00 €
	ADKT-ZCC2-R/L-2525-6-T25	ZT.D - 6	72,00 €
	ADKT-ZCC2-R/L-3232-6-T25	ZT.D - 6	83,00 €
	ADKT-ZCC2-R/L-3232-6-T30	ZT.D - 6	121,00 €
	ADKT-KM-R/L-2020-2-T15	A4. - 2	71,00 €
	ADKT-KM-R/L-2525-2-T15	A4. - 2	72,00 €
	ADKT-KM-R/L-2020-3-T20	A4. - 3	71,00 €
	ADKT-KM-R/L-2525-3-T22	A4. - 3	72,00 €
	ADKT-KM-R/L-2525-4-T22	A4. - 4	72,00 €
 COMPATIBLE WITH TGTC INSERT KOMPATIBEL FÜR WENDESCHNEIDPLATTEN TGTC			
	ADKT-TD-R/L-1212-2-T15	TD. - 2	89,00 €
	ADKT-TD-R/L-1616-2-T15	TD. - 2	90,00 €
	ADKT-TD-R/L-2020-2-T15	TD. - 2	91,00 €
	ADKT-TD-R/L-2525-2-T17	TD. - 2	92,00 €
	ADKT-TD-R/L-1212-3-T15	TD. - 3	89,00 €
	ADKT-TD-R/L-1616-3-T15	TD. - 3	90,00 €
	ADKT-TD-R/L-2020-3-T20	TD. - 3	91,00 €
	ADKT-TD-R/L-2525-3-T9	TD. - 3	92,00 €
	ADKT-TD-R/L-2525-3-T22	TD. - 3	92,00 €

EXTERNAL GROOVING TOOLHOLDERS / AUßEN - STECHHALTER		CUTTING INSERT WENDE PLATTE	PRICE / PREIS
 COMPATIBLE WITH ISCR INSERT KOMPATIBEL FÜR WENDESCHNEIDPLATTEN ISCR	ADKT-I-R/L-1212-2-T15	DGN - 2	69,00 €
	ADKT-I-R/L-1616-2-T15	DGN - 2	70,00 €
	ADKT-I-R/L-2020-2-T15	DGN - 2	71,00 €
	ADKT-I-R/L-2525-2-T15	DGN - 2	72,00 €
	ADKT-I-R/L-1212-3-T15	DGN - 3	69,00 €
	ADKT-I-R/L-1616-3-T15	DGN - 3	70,00 €
	ADKT-I-R/L-2020-3-T20	DGN - 3	71,00 €
	ADKT-I-R/L-2525-3-T22	DGN - 3	72,00 €
	ADKT-I-R/L-2020-4-T20	DGN / GRP - 4	71,00 €
	ADKT-I-R/L-2525-4-T22	DGN / GRP - 4	72,00 €
	ADKT-I-R/L-2020-5-T20	DGN / GRP - 5	71,00 €
	ADKT-I-R/L-2525-5-T25	DGN / GRP - 5	72,00 €
	ADKT-IG-R/L-2020-3-R20	GRP - 3	71,00 €
	ADKT-IG-R/L-2525-3-T22	GRP - 3	72,00 €
	ADKT-IGI-R/L-2020-2-T15	GIM / GIP - 2	71,00 €
	ADKT-IGI-R/L-1616-3-T15	GIM / GIP - 3	70,00 €
	ADKT-IGI-R/L-2020-3-T20	GIM / GIP - 3	71,00 €
	ADKT-IGI-R/L-2525-3-T22	GIM / GIP - 3	72,00 €
	ADKT-IGI-R/L-2525-4-T22	GIM / GIP - 4	72,00 €
	ADKT-IGI-R/L-2525-5-T25	GIM / GIP - 5	72,00 €
	ADKT-IGI-R/L-2525-8-T30	GIM / GIP - 8	110,00 €
 COMPATIBLE WITH ISCR INSERT KOMPATIBEL FÜR WENDESCHNEIDPLATTEN ISCR	ADKT-ITG-R/L-2020-3-T8	TGM. - 3	87,00 €
	ADKT-ITG-R/L-2525-3-T8	TGM. - 3	88,00 €
	ADKT-ITG-R/L-3232-3-T8	TGM. - 3	103,00 €
	ADKT-ITG-R/L-2020-4-T9	TGM. - 4	87,00 €
	ADKT-ITG-R/L-2525-4-T17	TGM. - 4	88,00 €
	ADKT-ITG-R/L-3232-4-T17	TGM. - 4	103,00 €
 COMPATIBLE WITH SVDK INSERT KOMPATIBEL FÜR WENDESCHNEIDPLATTEN SVDK	ADKT-123-R/L-1212-1.5-R15	123 - 1.5	69,00 €
	ADKT-123-R/L-1616-1.5-R15	123 - 1.5	70,00 €
	ADKT-123-R/L-1616-2-T15	123 - 2	70,00 €
	ADKT-123-R/L-2020-2-T15	123 - 2	71,00 €
	ADKT-123-R/L-2525-2-T15	123 - 2	72,00 €
	ADKT-123-R/L-3232-2-T15	123 - 2	103,00 €
	ADKT-123-R/L-1616-3-T15	123 - 3	70,00 €
	ADKT-123-R/L-2020-3-T20	123 - 3	71,00 €
	ADKT-123-R/L-2525-3-T22	123 - 3	72,00 €
	ADKT-123-R/L-2020-4-T20	123 - 4	71,00 €
	ADKT-123-R/L-2525-4-T22	123 - 4	72,00 €
	ADKT-123-R/L-3232-4-T25	123 - 4	103,00 €
	ADKT-123-R/L-2020-5-T20	123 - 5	71,00 €
	ADKT-123-R/L-2525-5-T25	123 - 5	72,00 €

EXTERNAL GROOVING TOOLHOLDERS / AUßEN - STECHHALTER		CUTTING INSERT WENDE PLATTE	PRICE / PREIS
 COMPATIBLE WITH SNDVK INSERT KOMPATIBEL FÜR WENDESCHNEIDPLATTEN SNDVK	ADKT-151.22-R/L-1616-2-T15	151.2 - 2	70,00 €
	ADKT-151.22-R/L-2020-2-T15	151.2 - 2	71,00 €
	ADKT-151.22-R/L-2525-2-T15	151.2 - 2	72,00 €
	ADKT-151.22-R/L-1616-3-T15	151.2 - 3	70,00 €
	ADKT-151.22-R/L-2020-3-T20	151.2 - 3	71,00 €
	ADKT-151.22-R/L-2525-3-T22	151.2 - 3	72,00 €
	ADKT-151.22-R/L-1616-4-T15	151.2 - 4	70,00 €
	ADKT-151.22-R/L-2020-4-T20	151.2 - 4	71,00 €
	ADKT-151.22-R/L-2525-4-T22	151.2 - 4	72,00 €
	ADKT-151.22-R/L-2020-5-T20	151.2 - 5	71,00 €
	ADKT-151.22-R/L-2525-5-T25	151.2 - 5	72,00 €
 COMPATIBLE WITH SNDVK INSERT KOMPATIBEL FÜR WENDESCHNEIDPLATTEN SNDVK	ADKT-151.23-R/L-1616-2-T15	151.2 - 2	70,00 €
	ADKT-151.23-R/L-2020-2-T15	151.2 - 2	71,00 €
	ADKT-151.23-R/L-2525-2-T15	151.2 - 2	72,00 €
	ADKT-151.23-R/L-2020-2.5-T15	151.2 - 2.5	71,00 €
	ADKT-151.23-R/L-2525-2.5-T15	151.2 - 2.5	72,00 €
	ADKT-151.23-R/L-1212-3-T15	151.2 - 3	69,00 €
	ADKT-151.23-R/L-1616-3-T15	151.2 - 3	70,00 €
	ADKT-151.23-R/L-2020-3-T20	151.2 - 3	71,00 €
	ADKT-151.23-R/L-2525-3-T20	151.2 - 3	72,00 €
	ADKT-151.23-R/L-2525-3-T22	151.2 - 3	72,00 €
	ADKT-151.23-R/L-1616-4-T15	151.2 - 4	70,00 €
	ADKT-151.23-R/L-2020-4-T20	151.2 - 4	71,00 €
	ADKT-151.23-R/L-2525-4-T22	151.2 - 4	72,00 €
	ADKT-151.23-R/L-2020-5-T20	151.2 - 5	71,00 €
	ADKT-151.23-R/L-2525-5-T25	151.2 - 5	72,00 €
 COMPATIBLE WITH SNDVK INSERT KOMPATIBEL FÜR WENDESCHNEIDPLATTEN SNDVK	ADKT-154.91-R/L-2020-3-T4	154.91 - 3	71,00 €
	ADKT-154.91-R/L 2525-3-T4	154.91 - 3	72,00 €
	ADKT-154.91-R/L 2020-5-T5	154.91 - 5	71,00 €
	ADKT-154.91-R/L 2525-5-T5	154.91 - 5	72,00 €
 COMPATIBLE WITH ARN INSERT KOMPATIBEL FÜR WENDESCHNEIDPLATTEN ARN	ADKT-ARN-R/L-2020-2-T15	LOMR. - 2	71,00 €
	ADKT-ARN-R/L-2525-2-T15	LOMR. - 2	72,00 €
	ADKT-ARN-R/L-2020-3-T20	LOMR. - 3	71,00 €
	ADKT-ARN-R/L-2525-3-T22	LOMR. - 3	72,00 €

EXTERNAL GROOVING TOOLHOLDERS / AUßEN - STECHHALTER		CUTTING INSERT WENDE PLATTE	PRICE / PREIS
 COMPATIBLE WITH SMTM INSERT KOMPATIBEL FÜR WENDESCHNEIDPLATTEN SMTM	ADKT-SWC-R/L-2020-2-T25	WCF. - 2	100,00 €
	ADKT-SWC-R/L-2020-3-T25	WCF. - 3	100,00 €
 COMPATIBLE WITH SMTM INSERT KOMPATIBEL FÜR WENDESCHNEIDPLATTEN SMTM	ADKT-SGC-R/L-1212-2-R15	GCM N20	89,00 €
	ADKT-SGC-R/L-1616-2-R15	GCM N20	90,00 €
	ADKT-SGC-R/L-2020-2-R20	GCM N20	91,00 €
	ADKT-SGC-R/L-2525-2-R20	GCM N20	92,00 €
	ADKT-SGC-R/L-1212-3-R15	GCM N30	89,00 €
	ADKT-SGC-R/L-1616-3-R15	GCM N30	90,00 €
	ADKT-SGC-R/L-2020-3-R22	GCM N30	91,00 €
	ADKT-SGC-R/L-2525-3-R15	GCM N30	92,00 €
	ADKT-SGC-R/L-2525-3-R22	GCM N30	92,00 €
 COMPATIBLE WITH HRN INSERT KOMPATIBEL FÜR WENDESCHNEIDPLATTEN HRN	ADKT-H22-R/L-1616-(0.5-2)-T6	S312 - (0.5-2)	70,00 €
	ADKT-H22-R/L-2020-(0.5-2)-T6	S312 - (0.5-2)	71,00 €
	ADKT-H22-R/L-2525-(0.5-2)-T6	S312 - (0.5-2)	72,00 €
 COMPATIBLE WITH LMNA INSERT KOMPATIBEL FÜR WENDESCHNEIDPLATTEN LMNA	ADKT-LGC-R/L-1616-2-D40	GCTX - 2	90,00 €
	ADKT-LGC-R/L-2020-2-D40	GCTX - 2	91,00 €
	ADKT-LGC-R/L-2525-2-D40	GCTX - 2	92,00 €
	ADKT-LGC-R/L-1616-3-T20	GCTX - 3	90,00 €
	ADKT-LGC-R/L-2020-3-T20	GCTX - 3	91,00 €
	ADKT-LGC-R/L-2525-3-T20	GCTX - 3	92,00 €
 COMPATIBLE WITH WLTR INSERT KOMPATIBEL FÜR WENDESCHNEIDPLATTEN WLTR	ADKT-WGX24-R/L-2525-4-T22	GX24. - 4	92,00 €
	ADKT-WGX24-R/L-2525-5-T25	GX24. - 5	92,00 €

EXTERNAL GROOVING TOOLHOLDERS FOR SWISS TYPE SLIDING AUTOMATIC LATHES Werkzeuge zur Stechbearbeitung auf Langdrehautomaten		CUTTING INSERT WENDE PLATTE	PRICE / PREIS
 COMPATIBLE WITH TGTC INSERT KOMPATIBEL FÜR WENDESCHNEIDPLATTEN TGTC	ADKT-TD-R/L-1212-2-T12-K-S	TD. - 2	89,00 €
	ADKT-TD-R/L-1616-2-T16-K-S	TD. - 2	90,00 €
	ADKT-TD-R/L-1212-3-T12-K-S	TD. - 3	89,00 €
	ADKT-TD-R/L-1616-3-T16-K-S	TD. - 3	90,00 €
 COMPATIBLE WITH ZCC INSERT KOMPATIBEL FÜR WENDESCHNEIDPLATTEN ZCC	ADKT-ZCC2-R/L-1010-2-T12-K-S	ZT.D - 2	89,00 €
	ADKT-ZCC2-R/L-1212-2-T12-K-S	ZT.D - 2	89,00 €
	ADKT-ZCC2-R/L-1616-2-R16-K-S	ZT.D - 2	90,00 €
	ADKT-ZCC2-R/L-1212-3-T12-K-S	ZT.D - 3	89,00 €

L TYPE FACE GROOVING TOOLHOLDERS / AXIAL- STECHHALTER L TYPE		CUTTING INSERT WENDE PLATTE	PRICE / PREIS
 COMPATIBLE WITH ZCC INSERT KOMPATIBEL FÜR WENDESCHNEIDPLATTEN ZCC	ALKT-ZCC2-R/L-2525-35-45-3-T10	ZT.D - 3	115,00 €
	ALKT-ZCC2-R/L-2525-39-55-3-T10	ZT.D - 3	115,00 €
	ALKT-ZCC2-R/L-2525-35- $\varnothing$ -3-T4	ZT.D - 3	115,00 €
	ALKT-ZCC2-R/L-2525-40-60-4-T14	ZT.D - 4	115,00 €
	ALKT-ZCC2-R/L-2525-52-80-4-T14	ZT.D - 4	115,00 €
	ALKT-ZCC2-R/L-2525-72-110-4-T14	ZT.D - 4	115,00 €
	ALKT-ZCC2-R/L-2525-100-230-4-T14	ZT.D - 4	115,00 €
	ALKT-ZCC2-R/L-2525-40- $\varnothing$ -4-T4	ZT.D - 4	115,00 €

FACE GROOVING TOOLHOLDERS / AXIAL- STECHHALTER		CUTTING INSERT WENDE PLATTE	PRICE / PREIS
 COMPATIBLE WITH KR/LY - JD INSERT KOMPATIBEL FÜR WENDESCHNEIDPLATTEN KR/LY - JD	AAKT-K-R/L-2525-34-45-3-T17	MGM. - 3	110,00 €
	AAKT-K-R/L-2525-39-55-3-T17	MGM. - 3	110,00 €
	AAKT-K-R/L-2525-49-80-3-T17	MGM. - 3	110,00 €
	AAKT-K-R/L-2525-70-110-3-T17	MGM. - 3	110,00 €
	AAKT-K-R/L-2525-100-150-3-T17	MGM. - 3	110,00 €
	AAKT-K-R/L-2525-80-180-3-T32	MGM. - 3	115,00 €
	AAKT-K-R/L-2525-50-85-4-T22	MGM. - 4	110,00 €
	AAKT-K-R/L-2525-70-110-4-T22	MGM. - 4	110,00 €
	AAKT-K-R/L-2525-100-150-4-T22	MGM. - 4	110,00 €
	AAKT-K-R/L-2525-80-180-4-T32	MGM. - 4	115,00 €
	AAKT-K-R/L-2525-180-800-4-T32	MGM. - 4	115,00 €
	AAKT-K-R/L-2525-70-110-5-T25	MGM. - 5	110,00 €
	AAKT-K-R/L-2525-100-150-5-T25	MGM. - 5	110,00 €
	AAKT-K-R/L-2525-140-200-5-T25	MGM. - 5	110,00 €
	AAKT-K-R/L-2525-80-180-5-T32	MGM. - 5	115,00 €
	AAKT-K-R/L-2525-180-800-5-T32	MGM. - 5	115,00 €
	AAKT-K-R/L-2525-140-300-6-T35	MGM. - 6	120,00 €
	AAKT-K-R/L-2525-140-300-8-T35	MGM. - 8	125,00 €
	AAKT-K-R/L-3232-140-350-8-T35	MGM. - 8	135,00 €

FACE GROOVING TOOLHOLDERS / AXIAL- STECHHALTER		CUTTING INSERT WENDE PLATTE	PRICE / PREIS
 COMPATIBLE WITH ZCC INSERT KOMPATIBEL FÜR WENDESCHNEIDPLATTEN ZCC	AAKT-ZCC2-R/L-2525-35-45-3-T17	ZT.D - 3	110,00 €
	AAKT-ZCC2-R/L-2525-39-55-3-T17	ZT.D - 3	110,00 €
	AAKT-ZCC2-R/L-2525-49-80-3-T17	ZT.D - 3	110,00 €
	AAKT-ZCC2-R/L-2525-70-110-3-T17	ZT.D - 3	110,00 €
	AAKT-ZCC2-R/L-2525-100-150-3-T17	ZT.D - 3	110,00 €
	AAKT-ZCC2-R/L-2525-40-60-4-T22	ZT.D - 4	110,00 €
	AAKT-ZCC2-R/L-2525-52-80-4-T22	ZT.D - 4	110,00 €
	AAKT-ZCC2-R/L-2525-72-110-4-T22	ZT.D - 4	110,00 €
	AAKT-ZCC2-R/L-2525-100-150-4-T22	ZT.D - 4	110,00 €
	AAKT-ZCC2-R/L-2525-140-200-4-T22	ZT.D - 4	110,00 €
	AAKT-ZCC2-R/L-2525-55-95-5-T25	ZT.D - 5	110,00 €
	AAKT-ZCC2-R/L-2525-85-140-5-T25	ZT.D - 5	110,00 €
	AAKT-ZCC2-R/L-2525-130-200-5-T25	ZT.D - 5	110,00 €
	AAKT-ZCC2-R/L-2525-190-400-5-T25	ZT.D - 5	110,00 €
	AAKT-ZCC2-R/L-2525-190-400-5-T35	ZT.D - 5	130,00 €
	AAKT-ZCC2-R/L-2525-200-500-5-T17	ZT.D - 5	110,00 €
 COMPATIBLE WITH ISCR INSERT KOMPATIBEL FÜR WENDESCHNEIDPLATTEN ISCR	AAKT-IG-R/L-2525-70-110-4-T28	DGN / GRP - 4	126,00 €
	AAKT-IG-R/L-2525-110-200-4-T28	DGN / GRP - 4	126,00 €
	AAKT-IG-R/L-2525-110-200-4-T32	DGN / GRP - 4	126,00 €
	AAKT-IG-R/L-2525-180-800-4-T28	DGN / GRP - 4	126,00 €
	AAKT-IG-R/L-2525-70-110-5-T32	DGN / GRP - 5	126,00 €
	AAKT-IG-R/L-2525-110-200-5-T32	DGN / GRP - 5	126,00 €
	AAKT-IG-R/L-2525-180-800-5-T32	DGN / GRP - 5	126,00 €
	AAKT-IG-R/L-2525-58-100-6-T32	DGN / GRP - 6	126,00 €
	AAKT-IG-R/L-2525-88-180-6-T32	DGN / GRP - 6	126,00 €
BLADES FOR PARTING AND DEEP GROOVING / Stechschwert zur Außenbearbeitung		CUTTING INSERT WENDE PLATTE	PRICE / PREIS
 COMPATIBLE WITH ISCR INSERT KOMPATIBEL FÜR WENDESCHNEIDPLATTEN ISCR	AKL-I-26-2	DGN - 2	80,00 €
	AKL-I-32-2	DGN - 2	85,00 €
	AKL-I-26-3	DGN - 3	80,00 €
	AKL-I-32-3	DGN - 3	85,00 €
	AKL-I-26-4	DGN / GRP - 4	80,00 €
	AKL-I-32-4	DGN / GRP - 4	85,00 €
BLOCKS FOR PARTING AND DEEP GROOVING BLADES / Spannblock für Stechschwert			PRICE / PREIS
	ALBU-20-26		90,00 €
	ALBU-20-32		90,00 €
	ALBU-25-26		100,00 €
	ALBU-25-32		100,00 €
	ALBU-32-32		110,00 €

INTERNAL GROOVING TOOLHOLDERS / INNEN- STECHHALTER		CUTTING INSERT WENDE PLATTE	PRICE / PREIS
	AIKT-K-R/L-16-2-T4	MGM. - 2	61,00 €
	AIKT-K-R/L-20-2-T4	MGM. - 2	66,00 €
	AIKT-K-R/L-25-2-T6	MGM. - 2	71,00 €
	AIKT-K-R/L-20-3-T6	MGM. - 3	66,00 €
	AIKT-K-R/L-20-3-T7	MGM. - 3	70,00 €
	AIKT-K-R/L-25-3-T6	MGM. - 3	71,00 €
	AIKT-K-R/L-25-3-T10	MGM. - 3	78,00 €
	AIKT-K-R/L-32-3-T6	MGM. - 3	83,00 €
	AIKT-K-R/L-32-3-T12	MGM. - 3	90,00 €
	AIKT-K-R/L-40-3-T6	MGM. - 3	100,00 €
	AIKT-K-R/L-40-3-T12	MGM. - 3	110,00 €
	AIKT-K-R/L-20-4-T6	MGM. - 4	66,00 €
	AIKT-K-R/L-20-4-T7	MGM. - 4	70,00 €
	AIKT-K-R/L-25-4-T6	MGM. - 4	71,00 €
	AIKT-K-R/L-25-4-T10	MGM. - 4	78,00 €
	AIKT-K-R/L-32-4-T6	MGM. - 4	83,00 €
	AIKT-K-R/L-32-4-T12	MGM. - 4	90,00 €
	AIKT-K-R/L-40-4-T6	MGM. - 4	100,00 €
	AIKT-K-R/L-40-4-T12	MGM. - 4	110,00 €
	AIKT-K-R/L-25-5-T7	MGM. - 5	71,00 €
	AIKT-K-R/L-32-5-T7	MGM. - 5	83,00 €
	AIKT-K-R/L-40-5-T7	MGM. - 5	100,00 €
COMPATIBLE WITH KRLY - JD INSERT KOMPATIBEL FÜR WENDESCHNEIDPLATTEN KRLY - JD			
	AIKT-H-R/L-25-3-T7	S229 - 3	71,00 €
	AIKT-H-R/L-32-3-T7	S229 - 3	83,00 €
	AIKT-H-R/L-40-3-T7	S229 - 3	100,00 €
	AIKT-H-R/L-25-4-T7	S229 - 4	71,00 €
	AIKT-H-R/L-32-4-T7	S229 - 4	83,00 €
	AIKT-H-R/L-40-4-T7	S229 - 4	100,00 €
	AIKT-H-R/L-25-5-T7	S229 - 5	71,00 €
	AIKT-H-R/L-32-5-T7	S229 - 5	83,00 €
	AIKT-H-R/L-40-5-T7	S229 - 5	100,00 €
COMPATIBLE WITH HRN INSERT KOMPATIBEL FÜR WENDESCHNEIDPLATTEN HRN			
	AIKT-HK-R/L-20-2-T6	S224 - 2	66,00 €
	AIKT-HK-R/L-25-2-T6	S224 - 2	71,00 €
	AIKT-HK-R/L-20-3-T6	S224 - 3	66,00 €
	AIKT-HK-R/L-25-3-T6	S224 - 3	71,00 €
	AIKT-HK-R/L-32-3-T6	S224 - 3	83,00 €
	AIKT-HK-R/L-20-4-T6	S224 - 4	66,00 €
	AIKT-HK-R/L-25-4-T6	S224 - 4	71,00 €
	AIKT-HK-R/L-32-4-T6	S224 - 4	83,00 €
	AIKT-HS223-R/L-20-2-T5	S223 - 2	66,00 €
	AIKT-HS223-R/L-25-2-T5	S223 - 2	71,00 €
	AIKT-HS223-R/L-20-3-T6	S223 - 3	66,00 €
	AIKT-HS223-R/L-25-3-T6	S223 - 3	71,00 €
COMPATIBLE WITH HRN INSERT KOMPATIBEL FÜR WENDESCHNEIDPLATTEN HRN			

INTERNAL GROOVING TOOLHOLDERS / INNEN- STECHHALTER		CUTTING INSERT WENDE PLATTE	PRICE / PREIS
 COMPATIBLE WITH SNDVK INSERT KOMPATIBEL FÜR WENDESCHNEIDPLATTEN SNDVK	AIKT-154.91-R/L-16-3-T3	154.91 - 3	61,00 €
	AIKT-154.91-R/L-20-3-T4	154.91 - 3	66,00 €
	AIKT-154.91-R/L-25-3-T4	154.91 - 3	71,00 €
	AIKT-154.91-R/L-25-5-T5	154.91 - 5	71,00 €
	AIKT-154.91-R/L-32-5-T5	154.91 - 5	83,00 €
 COMPATIBLE WITH SNDVK - ZCC INSERT KOMPATIBEL FÜR WENDESCHNEIDPLATTEN SNDVK-ZCC	AIKT-ZCC2-R/L-20-3-T5	ZT.D - 3	66,00 €
	AIKT-ZCC2-R/L-25-3-T5	ZT.D - 3	71,00 €
	AIKT-ZCC2-R/L-32-3-T6	ZT.D - 3	83,00 €
	NEW AIKT-ZCC2-R/L-32-3-T8	ZT.D - 3	94,00 €
	AIKT-ZCC2-R/L-25-4-T6	ZT.D - 4	71,00 €
	AIKT-ZCC2-R/L-32-4-T7	ZT.D - 4	83,00 €
	NEW AIKT-ZCC2-R/L-32-4-T8	ZT.D - 4	94,00 €
	NEW AIKT-ZCC2-R/L-32-4-T10	ZT.D - 4	94,00 €
	AIKT-ZCC2-R/L-32-5-T7	ZT.D - 5	83,00 €
	NEW AIKT-ZCC2-R/L-32-5-T8	ZT.D - 5	94,00 €
 COMPATIBLE WITH KNMTL INSERT KOMPATIBEL FÜR WENDESCHNEIDPLATTEN KNMTL	AIKT-KM-R/L-20-2-T7	A4. - 2	66,00 €
	AIKT-KM-R/L-20-3-T7	A4. - 3	66,00 €
	AIKT-KM-R/L-25-3-T10	A4. - 3	71,00 €
	AIKT-KM-R/L-32-3-T12	A4. - 3	83,00 €
	AIKT-KM-R/L-40-3-T12	A4. - 3	100,00 €
	AIKT-KM-R/L-20-4-T7	A4. - 4	66,00 €
 COMPATIBLE WITH ISCR INSERT KOMPATIBEL FÜR WENDESCHNEIDPLATTEN ISCR	AIKT-ITG-R/L-16-3-T6-H	TGM. - 3	79,00 €
	AIKT-ITG-R/L-20-3-T6-H	TGM. - 3	87,00 €
	AIKT-ITG-R/L-25-3-T8-H	TGM. - 3	96,00 €
	AIKT-ITG-R/L-32-3-T8-H	TGM. - 3	116,00 €
	AIKT-ITG-R/L-20-4-T6-H	TGM. - 4	87,00 €
	AIKT-ITG-R/L-25-4-T7-H	TGM. - 4	96,00 €
	AIKT-ITG-R/L-25-4-T9-H	TGM. - 4	100,00 €
	AIKT-ITG-R/L-32-4-T11-H	TGM. - 4	116,00 €
 COMPATIBLE WITH ISCR INSERT KOMPATIBEL FÜR WENDESCHNEIDPLATTEN ISCR	AIKT-IG-R/L-25-4-T10-H	DGN / GRP - 4	100,00 €
	AIKT-IG-R/L-32-4-T10-H	DGN / GRP - 4	121,00 €
	AIKT-IG-R/L-40-4-T12-H	DGN / GRP - 4	200,00 €
	AIKT-IG-R/L-25-5-T10-H	DGN / GRP - 5	100,00 €
	AIKT-IG-R/L-32-5-T10-H	DGN / GRP - 5	121,00 €
	AIKT-IG-R/L-40-5-T12-H	DGN / GRP - 5	200,00 €
	AIKT-IG-R/L-50-5-T12-H	DGN / GRP - 5	250,00 €

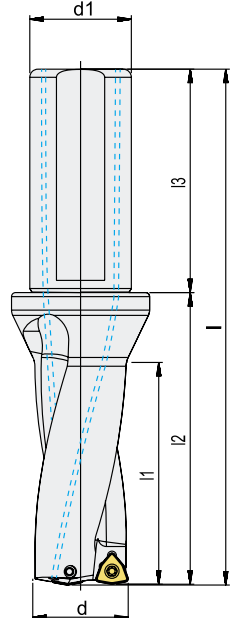
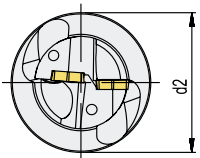
INTERNAL GROOVING TOOLHOLDERS / INNEN- STECHHALTER		CUTTING INSERT WENDE PLATTE	PRICE / PREIS
 COMPATIBLE WITH ISCR INSERT KOMPATIBEL FÜR WENDESCHNEIDPLATTEN ISCR	AIKT-IGI-R/L-20-3-T4	GIMIY / GIPI - 3	87,00 €
	AIKT-IGI-R/L-25-3-T5	GIMIY / GIPI - 3	96,00 €
	AIKT-IGI-R/L-32-3-T5	GIMIY / GIPI - 3	116,00 €
 NEW COMPATIBLE WITH ISCR INSERT KOMPATIBEL FÜR WENDESCHNEIDPLATTEN ISCR	AIKT-I-R/L-20-3-T5	DGN - 3	66,00 €
	AIKT-I-R/L-25-3-T6	DGN - 3	71,00 €

MINI GROOVING TOOL / MINI - STECHWERKZEUGE		CUTTING INSERT WENDE PLATTE	PRICE / PREIS
 COMPATIBLE WITH SNDVK INSERT KOMPATIBEL FÜR WENDESCHNEIDPLATTEN SNDVK	AIKT-MB07-A16-090-15	MB - 07	90,00 €
	AIKT-MB07-A16-090-22	MB - 07	90,00 €
	AIKT-MB09-A16-090-19	MB - 09	90,00 €
	AIKT-MB09-A16-110-40	MB - 09	90,00 €
	AIKT-MB09-A16-095-28	MB - 09	90,00 €

Ordering Example/Beispiel Bestellformular: 1 pcs. AIKT-IGI-R-20-3-T4



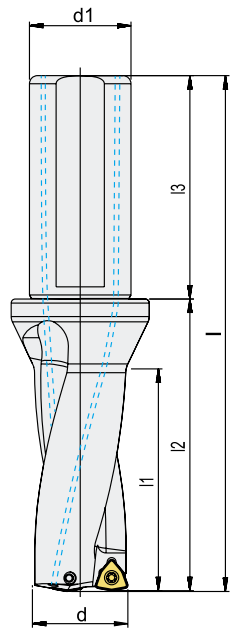
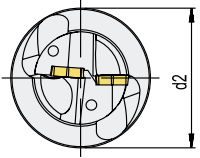
U-DRILL SYSTEM / VOLLBOHRER (WCM.)

	CODE / TYP	TOOL DIMENSIONS (mm) <i>MAß</i>						CUTTING INSERT <i>WENDE PLATTE</i>	PRICE / PREIS
		d	d ₁	d ₂	l ₁	l ₂	l ₃		
D2   	ATUM 16XD2 WCM. 030208	16	25	34	32	54	56	WCM. 030208	144,00 €
	ATUM 16.5XD2 WCM. 030208	16,5	25	34	32	54	56	WCM. 030208	144,00 €
	ATUM 17XD2 WCM. 030208	17	25	34	34	56	56	WCM. 030208	144,00 €
	ATUM 17.5XD2 WCM. 030208	17,5	25	34	34	56	56	WCM. 030208	144,00 €
	ATUM 18XD2 WCM. 030208	18	25	34	36	58	56	WCM. 030208	144,00 €
	ATUM 18.5XD2 WCM. 030208	18,5	25	34	36	58	56	WCM. 030208	144,00 €
	ATUM 19XD2 WCM. 030208	19	25	34	38	60	56	WCM. 030208	144,00 €
	ATUM 19.5XD2 WCM. 030208	19,5	25	34	38	60	56	WCM. 030208	144,00 €
	ATUM 20XD2 WCM. 040208	20	25	34	40	62	56	WCM. 040208	154,00 €
	ATUM 20.5XD2 WCM. 040208	20,5	25	34	40	62	56	WCM. 040208	154,00 €
	ATUM 21XD2 WCM. 040208	21	25	34	42	64	56	WCM. 040208	154,00 €
	ATUM 21.5XD2 WCM. 040208	21,5	25	34	42	64	56	WCM. 040208	154,00 €
	ATUM 22XD2 WCM. 040208	22	25	34	44	66	56	WCM. 040208	154,00 €
	ATUM 22.5XD2 WCM. 040208	22,5	25	34	44	66	56	WCM. 040208	154,00 €
	ATUM 23XD2 WCM. 040208	23	25	34	46	68	56	WCM. 040208	154,00 €
	ATUM 23.5XD2 WCM. 040208	23,5	25	34	46	68	56	WCM. 040208	154,00 €
	ATUM 24XD2 WCM. 050308	24	25	34	48	70	56	WCM. 050308	160,00 €
	ATUM 24.5XD2 WCM. 050308	24,5	25	34	48	70	56	WCM. 050308	160,00 €
	ATUM 25XD2 WCM. 050308	25	25	34	50	72	56	WCM. 050308	160,00 €
	ATUM 25.5XD2 WCM. 050308	25,5	25	34	50	72	56	WCM. 050308	160,00 €
	ATUM 26XD2 WCM. 050308	26	25	34	52	74	56	WCM. 050308	160,00 €
	ATUM 26.5XD2 WCM. 050308	26,5	25	34	52	74	56	WCM. 050308	160,00 €
	ATUM 27XD2 WCM. 050308	27	25	34	54	76	56	WCM. 050308	160,00 €
	ATUM 27.5XD2 WCM. 050308	27,5	25	34	54	76	56	WCM. 050308	160,00 €
	ATUM 28XD2 WCM. 050308	28	25	34	56	78	56	WCM. 050308	160,00 €
	ATUM 28.5XD2 WCM. 050308	28,5	25	34	56	78	56	WCM. 050308	160,00 €
	ATUM 29XD2 WCM. 050308	29	25	34	58	80	56	WCM. 050308	160,00 €
	ATUM 29.5XD2 WCM. 050308	29,5	25	34	58	80	56	WCM. 050308	160,00 €
	ATUM 30XD2 WCM. 06T308	30	32	44	60	87	60	WCM. 06T308	171,00 €
	ATUM 31XD2 WCM. 06T308	31	32	44	62	89	60	WCM. 06T308	171,00 €
	ATUM 32XD2 WCM. 06T308	32	32	44	64	91	60	WCM. 06T308	171,00 €
	ATUM 33XD2 WCM. 06T308	33	32	44	66	93	60	WCM. 06T308	171,00 €
	ATUM 34XD2 WCM. 06T308	34	32	44	68	95	60	WCM. 06T308	171,00 €
	ATUM 35XD2 WCM. 06T308	35	32	44	70	97	60	WCM. 06T308	171,00 €
	ATUM 36XD2 WCM. 06T308	36	32	44	72	99	60	WCM. 06T308	171,00 €
	ATUM 37XD2 WCM. 06T308	37	32	44	74	101	60	WCM. 06T308	171,00 €
	ATUM 38XD2 WCM. 06T308	38	32	44	76	103	60	WCM. 06T308	171,00 €
	ATUM 39XD2 WCM. 06T308	39	32	44	78	105	60	WCM. 06T308	171,00 €
	ATUM 40XD2 WCM. 06T308	40	32	44	80	107	60	WCM. 06T308	171,00 €
	ATUM 41XD2 WCM. 06T308	41	32	44	82	109	60	WCM. 06T308	176,00 €
	ATUM 42XD2 WCM. 06T308	42	32	44	84	111	60	WCM. 06T308	176,00 €
	ATUM 43XD2 WCM. 06T308	43	32	44	86	113	60	WCM. 06T308	176,00 €
	ATUM 44XD2 WCM. 06T308	44	32	44	88	115	60	WCM. 06T308	176,00 €
	ATUM 45XD2 WCM. 080412	45	40	54	90	122	70	WCM. 080412	193,00 €
	ATUM 46XD2 WCM. 080412	46	40	54	92	124	70	WCM. 080412	204,00 €
	ATUM 47XD2 WCM. 080412	47	40	54	94	126	70	WCM. 080412	221,00 €
	ATUM 48XD2 WCM. 080412	48	40	54	96	128	70	WCM. 080412	232,00 €
	ATUM 49XD2 WCM. 080412	49	40	54	98	130	70	WCM. 080412	243,00 €
	ATUM 50XD2 WCM. 080412	50	40	54	100	132	70	WCM. 080412	254,00 €
	ATUM 51XD2 WCM. 080412	51	40	54	102	134	70	WCM. 080412	265,00 €
	ATUM 52XD2 WCM. 080412	52	40	54	104	136	70	WCM. 080412	276,00 €
	ATUM 53XD2 WCM. 080412	53	40	54	106	138	70	WCM. 080412	287,00 €
	ATUM 54XD2 WCM. 080412	54	40	54	108	140	70	WCM. 080412	298,00 €
	ATUM 55XD2 WCM. 080412	55	40	54	110	142	70	WCM. 080412	298,00 €
	ATUM 56XD2 WCM. 080412	56	40	59	112	144	70	WCM. 080412	298,00 €
	ATUM 57XD2 WCM. 080412	57	40	59	114	146	70	WCM. 080412	320,00 €
	ATUM 58XD2 WCM. 080412	58	40	59	116	148	70	WCM. 080412	320,00 €
	ATUM 59XD2 WCM. 080412	59	40	59	118	150	70	WCM. 080412	320,00 €
	ATUM 60XD2 WCM. 080412	60	40	59	120	152	70	WCM. 080412	320,00 €

COMPATIBLE WITH ISO INSERT
KOMPATIBEL FÜR WENDESCHNEIDPLATTEN ISO

U-DRILL SYSTEM / VOLLBOHRER (WCM.)

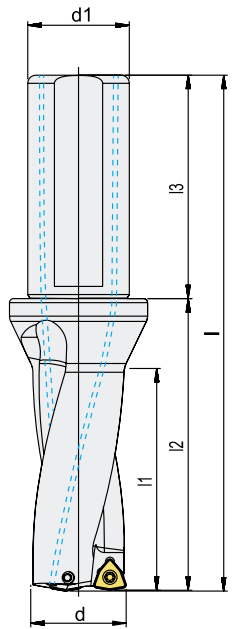
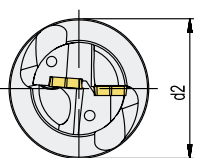
40/41

	CODE / TYP	TOOL DIMENSIONS (mm) MAß						CUTTING INSERT WENDE PLATTE	PRICE / PREIS
		d	d ₁	d ₂	l ₁	l ₂	l ₃		
D3   	ATUM 16XD3 WCM. 030208	16	25	34	48	70	56	WCM. 030208	154,00 €
	ATUM 16.5XD3 WCM. 030208	16.5	25	34	48	70	56	WCM. 030208	154,00 €
	ATUM 17XD3 WCM. 030208	17	25	34	51	73	56	WCM. 030208	154,00 €
	ATUM 17.5XD3 WCM. 030208	17.5	25	34	51	73	56	WCM. 030208	154,00 €
	ATUM 18XD3 WCM. 030208	18	25	34	54	76	56	WCM. 030208	154,00 €
	ATUM 18.5XD3 WCM. 030208	18.5	25	34	54	76	56	WCM. 030208	154,00 €
	ATUM 19XD3 WCM. 030208	19	25	34	57	79	56	WCM. 030208	154,00 €
	ATUM 19.5XD3 WCM. 030208	19.5	25	34	57	79	56	WCM. 030208	154,00 €
	ATUM 20XD3 WCM. 040208	20	25	34	60	82	56	WCM. 040208	160,00 €
	ATUM 20.5XD3 WCM. 040208	20.5	25	34	60	82	56	WCM. 040208	160,00 €
	ATUM 21XD3 WCM. 040208	21	25	34	63	85	56	WCM. 040208	160,00 €
	ATUM 21.5XD3 WCM. 040208	21.5	25	34	63	85	56	WCM. 040208	160,00 €
	ATUM 22XD3 WCM. 040208	22	25	34	66	88	56	WCM. 040208	160,00 €
	ATUM 22.5XD3 WCM. 040208	22.5	25	34	66	88	56	WCM. 040208	160,00 €
	ATUM 23XD3 WCM. 040208	23	25	34	69	91	56	WCM. 040208	160,00 €
	ATUM 23.5XD3 WCM. 040208	23.5	25	34	69	91	56	WCM. 040208	160,00 €
	ATUM 24XD3 WCM. 050308	24	25	34	72	94	56	WCM. 050308	166,00 €
	ATUM 24.5XD3 WCM. 050308	24.5	25	34	72	94	56	WCM. 050308	166,00 €
	ATUM 25XD3 WCM. 050308	25	25	34	75	97	56	WCM. 050308	166,00 €
	ATUM 25.5XD3 WCM. 050308	25.5	25	34	75	97	56	WCM. 050308	166,00 €
	ATUM 26XD3 WCM. 050308	26	25	34	78	100	56	WCM. 050308	166,00 €
	ATUM 26.5XD3 WCM. 050308	26.5	25	34	78	100	56	WCM. 050308	166,00 €
	ATUM 27XD3 WCM. 050308	27	25	34	81	103	56	WCM. 050308	166,00 €
	ATUM 27.5XD3 WCM. 050308	27.5	25	34	81	103	56	WCM. 050308	166,00 €
	ATUM 28XD3 WCM. 050308	28	25	34	84	106	56	WCM. 050308	166,00 €
	ATUM 28.5XD3 WCM. 050308	28.5	25	34	84	106	56	WCM. 050308	166,00 €
	ATUM 29XD3 WCM. 050308	29	25	34	87	109	56	WCM. 050308	166,00 €
	ATUM 29.5XD3 WCM. 050308	29.5	25	34	87	109	56	WCM. 050308	166,00 €
	ATUM 30XD3 WCM. 06T308	30	32	44	90	117	60	WCM. 06T308	171,00 €
	ATUM 30.5XD3 WCM. 06T308	30.5	32	44	90	117	60	WCM. 06T308	171,00 €
	ATUM 31XD3 WCM. 06T308	31	32	44	93	120	60	WCM. 06T308	171,00 €
	ATUM 31.5XD3 WCM. 06T308	31.5	32	44	93	120	60	WCM. 06T308	171,00 €
	ATUM 32XD3 WCM. 06T308	32	32	44	96	123	60	WCM. 06T308	171,00 €
	ATUM 32.5XD3 WCM. 06T308	32.5	32	44	96	123	60	WCM. 06T308	171,00 €
	ATUM 33XD3 WCM. 06T308	33	32	44	99	126	60	WCM. 06T308	171,00 €
	ATUM 33.5XD3 WCM. 06T308	33.5	32	44	99	126	60	WCM. 06T308	171,00 €
	ATUM 34XD3 WCM. 06T308	34	32	44	102	129	60	WCM. 06T308	171,00 €
	ATUM 34.5XD3 WCM. 06T308	34.5	32	44	102	129	60	WCM. 06T308	171,00 €
	ATUM 35XD3 WCM. 06T308	35	32	44	105	132	60	WCM. 06T308	171,00 €
	ATUM 35.5XD3 WCM. 06T308	35.5	32	44	105	132	60	WCM. 06T308	171,00 €
	ATUM 36XD3 WCM. 06T308	36	32	44	108	135	60	WCM. 06T308	171,00 €
	ATUM 36.5XD3 WCM. 06T308	36.5	32	44	108	135	60	WCM. 06T308	171,00 €
	ATUM 37XD3 WCM. 06T308	37	32	44	111	138	60	WCM. 06T308	171,00 €
	ATUM 37.5XD3 WCM. 06T308	37.5	32	44	111	138	60	WCM. 06T308	171,00 €
	ATUM 38XD3 WCM. 06T308	38	32	44	114	141	60	WCM. 06T308	171,00 €
	ATUM 38.5XD3 WCM. 06T308	38.5	32	44	114	141	60	WCM. 06T308	171,00 €
	ATUM 39XD3 WCM. 06T308	39	32	44	117	144	60	WCM. 06T308	171,00 €
	ATUM 39.5XD3 WCM. 06T308	39.5	32	44	117	144	60	WCM. 06T308	171,00 €
	ATUM 40XD3 WCM. 06T308	40	32	44	120	147	60	WCM. 06T308	171,00 €
	ATUM 40.5XD3 WCM. 06T308	40.5	32	44	120	147	60	WCM. 06T308	171,00 €
	ATUM 41XD3 WCM. 06T308	41	32	44	123	150	60	WCM. 06T308	188,00 €
	ATUM 41.5XD3 WCM. 06T308	41.5	32	44	123	150	60	WCM. 06T308	188,00 €
	ATUM 42XD3 WCM. 06T308	42	32	44	126	153	60	WCM. 06T308	188,00 €
	ATUM 42.5XD3 WCM. 06T308	42.5	32	44	126	153	60	WCM. 06T308	188,00 €
	ATUM 43XD3 WCM. 06T308	43	32	44	129	156	60	WCM. 06T308	188,00 €
	ATUM 43.5XD3 WCM. 06T308	43.5	32	44	129	156	60	WCM. 06T308	188,00 €
	ATUM 44XD3 WCM. 06T308	44	32	44	132	159	60	WCM. 06T308	188,00 €
	ATUM 44.5XD3 WCM. 06T308	44.5	32	44	132	159	60	WCM. 06T308	188,00 €
COMPATIBLE WITH ISO INSERT KOMPATIBEL FÜR WENDESCHNEIDPLATTEN ISO									

U-DRILL SYSTEM / VOLLBOHRER (WCM.)

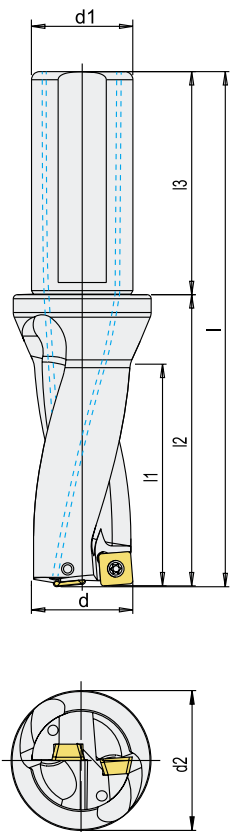
	CODE / TYP	TOOL DIMENSIONS (mm) Maß						CUTTING INSERT WENDE PLATTE	PRICE / PREIS
		d	d ₁	d ₂	l ₁	l ₂	l ₃		
D3 	ATUM 45XD3 WCM. 080412	45	40	54	135	167	70	WCM. 080412	198,00 €
	ATUM 45.5XD3 WCM. 080412	45.5	40	54	135	167	70	WCM. 080412	210,00 €
	ATUM 46XD3 WCM. 080412	46	40	54	138	170	70	WCM. 080412	221,00 €
	ATUM 47XD3 WCM. 080412	47	40	54	141	173	70	WCM. 080412	232,00 €
	ATUM 48XD3 WCM. 080412	48	40	54	144	176	70	WCM. 080412	243,00 €
	ATUM 49XD3 WCM. 080412	49	40	54	147	179	70	WCM. 080412	265,00 €
	ATUM 50XD3 WCM. 080412	50	40	54	150	182	70	WCM. 080412	276,00 €
	ATUM 51XD3 WCM. 080412	51	40	54	153	185	70	WCM. 080412	287,00 €
	ATUM 52XD3 WCM. 080412	52	40	54	156	188	70	WCM. 080412	298,00 €
	ATUM 53XD3 WCM. 080412	53	40	54	159	191	70	WCM. 080412	309,00 €
	ATUM 54XD3 WCM. 080412	54	40	54	162	194	70	WCM. 080412	309,00 €
	ATUM 55XD3 WCM. 080412	55	40	54	165	197	70	WCM. 080412	309,00 €
	ATUM 56XD3 WCM. 080412	56	40	59	168	200	70	WCM. 080412	331,00 €
	ATUM 57XD3 WCM. 080412	57	40	59	171	203	70	WCM. 080412	331,00 €
	ATUM 58XD3 WCM. 080412	58	40	59	174	206	70	WCM. 080412	331,00 €
	ATUM 59XD3 WCM. 080412	59	40	59	177	209	70	WCM. 080412	331,00 €
	ATUM 60XD3 WCM. 080412	60	40	59	180	212	70	WCM. 080412	331,00 €

COMPATIBLE WITH ISO INSERT
KOMPATIBEL FÜR WENDESCHNEIDPLATTEN ISO

	CODE / TYP	TOOL DIMENSIONS (mm) Maß						CUTTING INSERT WENDE PLATTE	PRICE / PREIS
		d	d ₁	d ₂	l ₁	l ₂	l ₃		
D4   	ATUM 16XD4 WCM. 030208	16	25	34	64	86	56	WCM. 030208	254,00 €
	ATUM 17XD4 WCM. 030208	17	25	34	68	90	56	WCM. 030208	254,00 €
	ATUM 18XD4 WCM. 030208	18	25	34	72	94	56	WCM. 030208	254,00 €
	ATUM 19XD4 WCM. 030208	19	25	34	76	98	56	WCM. 030208	254,00 €
	ATUM 20XD4 WCM. 040208	20	25	34	80	102	56	WCM. 040208	265,00 €
	ATUM 21XD4 WCM. 040208	21	25	34	84	106	56	WCM. 040208	265,00 €
	ATUM 22XD4 WCM. 040208	22	25	34	88	110	56	WCM. 040208	265,00 €
	ATUM 23XD4 WCM. 040208	23	25	34	92	114	56	WCM. 040208	265,00 €
	ATUM 24XD4 WCM. 050308	24	25	34	96	118	56	WCM. 050308	276,00 €
	ATUM 25XD4 WCM. 050308	25	25	34	100	122	56	WCM. 050308	276,00 €
	ATUM 26XD4 WCM. 050308	26	25	34	104	126	56	WCM. 050308	276,00 €
	ATUM 27XD4 WCM. 050308	27	25	34	108	130	56	WCM. 050308	276,00 €
	ATUM 28XD4 WCM. 050308	28	25	34	112	134	56	WCM. 050308	276,00 €
	ATUM 29XD4 WCM. 050308	29	25	34	116	138	56	WCM. 050308	276,00 €
	ATUM 30XD4 WCM. 06T308	30	32	44	120	147	60	WCM. 06T308	287,00 €
	ATUM 31XD4 WCM. 06T308	31	32	44	124	151	60	WCM. 06T308	287,00 €
	ATUM 32XD4 WCM. 06T308	32	32	44	128	155	60	WCM. 06T308	287,00 €
	ATUM 33XD4 WCM. 06T308	33	32	44	132	159	60	WCM. 06T308	287,00 €
	ATUM 33.5XD4 WCM. 06T308	33.5	32	44	132	159	60	WCM. 06T308	287,00 €
	ATUM 34XD4 WCM. 06T308	34	32	44	136	163	60	WCM. 06T308	287,00 €
	ATUM 35XD4 WCM. 06T308	35	32	44	140	167	60	WCM. 06T308	287,00 €
	ATUM 36XD4 WCM. 06T308	36	32	44	144	171	60	WCM. 06T308	287,00 €
	ATUM 37XD4 WCM. 06T308	37	32	44	148	175	60	WCM. 06T308	287,00 €
	ATUM 38XD4 WCM. 06T308	38	32	44	152	179	60	WCM. 06T308	287,00 €
	ATUM 38.5XD4 WCM. 06T308	38.5	32	44	152	179	60	WCM. 06T308	287,00 €
	ATUM 39XD4 WCM. 06T308	39	32	44	156	183	60	WCM. 06T308	287,00 €
	ATUM 40XD4 WCM. 06T308	40	32	44	160	187	60	WCM. 06T308	287,00 €
	ATUM 41XD4 WCM. 06T308	41	32	44	164	191	60	WCM. 06T308	309,00 €
	ATUM 42XD4 WCM. 06T308	42	32	44	168	195	60	WCM. 06T308	309,00 €
	ATUM 43XD4 WCM. 06T308	43	32	44	172	199	60	WCM. 06T308	309,00 €
	ATUM 44XD4 WCM. 06T308	44	32	44	176	203	60	WCM. 06T308	309,00 €
	ATUM 45XD4 WCM. 080412	45	40	54	180	212	70	WCM. 080412	331,00 €
	ATUM 46XD4 WCM. 080412	46	40	54	184	216	70	WCM. 080412	353,00 €
	ATUM 47XD4 WCM. 080412	47	40	54	188	220	70	WCM. 080412	375,00 €
	ATUM 48XD4 WCM. 080412	48	40	54	192	224	70	WCM. 080412	397,00 €
	ATUM 49XD4 WCM. 080412	49	40	54	196	228	70	WCM. 080412	419,00 €
	ATUM 50XD4 WCM. 080412	50	40	54	200	232	70	WCM. 080412	441,00 €

COMPATIBLE WITH ISO INSERT
KOMPATIBEL FÜR WENDESCHNEIDPLATTEN ISO

U-DRILL SYSTEM / VOLLBOHRER (SPMG)

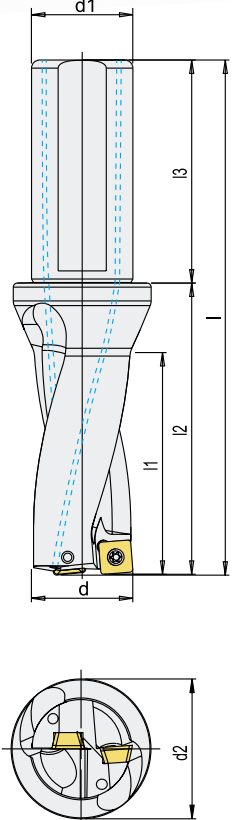
	CODE / TYP	TOOL DIMENSIONS (mm) Maß						CUTTING INSERT WENDE PLATTE	PRICE / PREIS
		d	d ₁	d ₂	l ₁	l ₂	l ₃		
D3  	ATUM 12.5XD3 SP.. 050204	12,5	20	25	36	58	50	SP.. 050204	154,00 €
	ATUM 13XD3 SP.. 050204	13	20	25	39	61	50	SP.. 050204	154,00 €
	ATUM 13.5XD3 SP.. 050204	13,5	20	25	39	61	50	SP.. 050204	154,00 €
	ATUM 14XD3 SP.. 050204	14	20	25	42	64	50	SP.. 050204	154,00 €
	ATUM 14.5XD3 SP.. 050204	14,5	20	25	42	64	50	SP.. 050204	154,00 €
	ATUM 15XD3 SP.. 050204	15	20	25	45	67	50	SP.. 050204	154,00 €
	ATUM 15.5XD3 SP.. 060204	15,5	20	25	45	67	50	SP.. 060204	154,00 €
	ATUM 16XD3 SP.. 060204	16	25	34	48	70	56	SP.. 060204	154,00 €
	ATUM 16.5XD3 SP.. 060204	16,5	25	34	48	70	56	SP.. 060204	154,00 €
	ATUM 17XD3 SP.. 060204	17	25	34	51	73	56	SP.. 060204	154,00 €
	ATUM 17.5XD3 SP.. 060204	17,5	25	34	51	73	56	SP.. 060204	154,00 €
	ATUM 18XD3 SP.. 060204	18	25	34	54	76	56	SP.. 060204	154,00 €
	ATUM 18.5XD3 SP.. 060204	18,5	25	34	54	76	56	SP.. 060204	154,00 €
	ATUM 19XD3 SP.. 060204	19	25	34	57	79	56	SP.. 060204	154,00 €
	ATUM 19.5XD3 SP.. 060204	19,5	25	34	57	79	56	SP.. 060204	154,00 €
	ATUM 20XD3 SP.. 060204	20	25	34	60	82	56	SP.. 060204	160,00 €
	ATUM 20.5XD3 SP.. 060204	20,5	25	34	60	82	56	SP.. 060204	160,00 €
	ATUM 21XD3 SP.. 060204	21	25	34	63	85	56	SP.. 060204	160,00 €
	ATUM 21.5XD3 SP.. 060204	21,5	25	34	63	85	56	SP.. 060204	160,00 €
	ATUM 22XD3 SP.. 07T308	22	25	34	66	88	56	SP.. 07T308	160,00 €
	ATUM 22.5XD3 SP.. 07T308	22,5	25	34	66	88	56	SP.. 07T308	160,00 €
	ATUM 23XD3 SP.. 07T308	23	25	34	69	91	56	SP.. 07T308	160,00 €
	ATUM 23.5XD3 SP.. 07T308	23,5	25	34	69	91	56	SP.. 07T308	160,00 €
	ATUM 24XD3 SP.. 07T308	24	25	34	72	94	56	SP.. 07T308	166,00 €
	ATUM 24.5XD3 SP.. 07T308	24,5	25	34	72	94	56	SP.. 07T308	166,00 €
	ATUM 25XD3 SP.. 07T308	25	25	34	75	97	56	SP.. 07T308	166,00 €
	ATUM 25.5XD3 SP.. 07T308	25,5	25	34	75	97	56	SP.. 07T308	166,00 €
	ATUM 26XD3 SP.. 07T308	26	25	34	78	100	56	SP.. 07T308	166,00 €
	ATUM 26.5XD3 SP.. 07T308	26,5	25	34	78	100	56	SP.. 07T308	166,00 €
	ATUM 27XD3 SP.. 07T308	27	25	34	81	103	56	SP.. 07T308	166,00 €
	ATUM 27.5XD3 SP.. 07T308	27,5	25	34	81	103	56	SP.. 07T308	166,00 €
	ATUM 28XD3 SP.. 090408	28	25	34	84	106	56	SP.. 090408	166,00 €
	ATUM 28.5XD3 SP.. 090408	28,5	25	34	84	106	56	SP.. 090408	166,00 €
	ATUM 29XD3 SP.. 090408	29	25	34	87	109	56	SP.. 090408	166,00 €
	ATUM 29.5XD3 SP.. 090408	29,5	25	34	87	109	56	SP.. 090408	166,00 €
	ATUM 30XD3 SP.. 090408	30	32	44	90	117	60	SP.. 090408	171,00 €
	ATUM 30.5XD3 SP.. 090408	30,5	32	44	90	117	60	SP.. 090408	171,00 €
	ATUM 31XD3 SP.. 090408	31	32	44	93	120	60	SP.. 090408	171,00 €
	ATUM 31.5XD3 SP.. 090408	31,5	32	44	93	120	60	SP.. 090408	171,00 €
	ATUM 32XD3 SP.. 090408	32	32	44	96	123	60	SP.. 090408	171,00 €
	ATUM 32.5XD3 SP.. 090408	32,5	32	44	96	123	60	SP.. 090408	171,00 €
	ATUM 33XD3 SP.. 090408	33	32	44	99	126	60	SP.. 090408	171,00 €
	ATUM 33.5XD3 SP.. 090408	33,5	32	44	99	126	60	SP.. 090408	171,00 €
	ATUM 34XD3 SP.. 110408	34	32	44	102	129	60	SP.. 110408	171,00 €
	ATUM 34.5XD3 SP.. 110408	34,5	32	44	102	129	60	SP.. 110408	171,00 €
	ATUM 35XD3 SP.. 110408	35	32	44	105	132	60	SP.. 110408	171,00 €
	ATUM 35.5XD3 SP.. 110408	35,5	32	44	105	132	60	SP.. 110408	171,00 €
	ATUM 36XD3 SP.. 110408	36	32	44	108	135	60	SP.. 110408	171,00 €
	ATUM 36.5XD3 SP.. 110408	36,5	32	44	108	135	60	SP.. 110408	171,00 €
	ATUM 37XD3 SP.. 110408	37	32	44	111	138	60	SP.. 110408	171,00 €
	ATUM 37.5XD3 SP.. 110408	37,5	32	44	111	138	60	SP.. 110408	171,00 €
	ATUM 38XD3 SP.. 110408	38	32	44	114	141	60	SP.. 110408	171,00 €
	ATUM 38.5XD3 SP.. 110408	38,5	32	44	114	141	60	SP.. 110408	171,00 €
	ATUM 39XD3 SP.. 110408	39	32	44	117	144	60	SP.. 110408	171,00 €
	ATUM 39.5XD3 SP.. 110408	39,5	32	44	117	144	60	SP.. 110408	171,00 €
	ATUM 40XD3 SP.. 110408	40	32	44	120	147	60	SP.. 110408	171,00 €
	ATUM 40.5XD3 SP.. 110408	40,5	32	44	120	147	60	SP.. 110408	171,00 €
	ATUM 41XD3 SP.. 110408	41	32	44	123	150	60	SP.. 110408	188,00 €
	ATUM 41.5XD3 SP.. 110408	41,5	32	44	123	150	60	SP.. 110408	188,00 €
	ATUM 42XD3 SP.. 140512	42	32	44	126	153	60	SP.. 140512	188,00 €
	ATUM 42.5XD3 SP.. 140512	42,5	32	44	126	153	60	SP.. 140512	188,00 €

COMPATIBLE WITH TGTC INSERT
KOMPATIBEL FÜR WENDESCHNEIDPLATTEN TGTC

U-DRILL SYSTEM / VOLLBOHRER (SPMG)

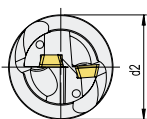
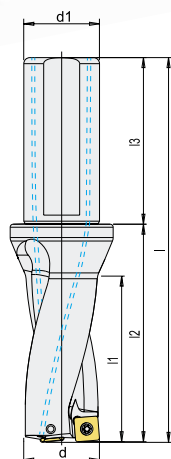
44/45

	CODE / TYP	TOOL DIMENSIONS (mm) Maß						CUTTING INSERT WENDE PLATTE	PRICE / PREIS
		d	d ₁	d ₂	l ₁	l ₂	l ₃		
D3  COMPATIBLE WITH TGTC INSERT KOMPATIBEL FÜR WENDESCHNEIDPLATTEN TGTC	ATUM 43XD3 SP.. 140512	43	32	44	129	156	60	SP.. 140512	188,00 €
	ATUM 43.5XD3 SP.. 140512	43.5	32	44	129	156	60	SP.. 140512	188,00 €
	ATUM 44XD3 SP.. 140512	44	32	44	132	159	60	SP.. 140512	188,00 €
	ATUM 44.5XD3 SP.. 140512	44.5	32	44	132	159	60	SP.. 140512	188,00 €
	ATUM 45XD3 SP.. 140512	45	40	54	135	167	70	SP.. 140512	198,00 €
	ATUM 45.5XD3 SP.. 140512	45.5	40	54	135	167	70	SP.. 140512	198,00 €
	ATUM 46XD3 SP.. 140512	46	40	54	138	170	70	SP.. 140512	210,00 €
	ATUM 47XD3 SP.. 140512	47	40	54	141	173	70	SP.. 140512	221,00 €
	ATUM 48XD3 SP.. 140512	48	40	54	144	176	70	SP.. 140512	232,00 €
	ATUM 49XD3 SP.. 140512	49	40	54	147	179	70	SP.. 140512	243,00 €
	ATUM 50XD3 SP.. 140512	50	40	54	150	182	70	SP.. 140512	265,00 €
	ATUM 51XD3 SP.. 140512	51	40	54	153	185	70	SP.. 140512	276,00 €
	ATUM 52XD3 SP.. 140512	52	40	54	156	188	70	SP.. 140512	287,00 €
	ATUM 53XD3 SP.. 140512	53	40	54	159	191	70	SP.. 140512	298,00 €
	ATUM 54XD3 SP.. 140512	54	40	54	162	194	70	SP.. 140512	309,00 €

	CODE / TYP	TOOL DIMENSIONS (mm) Maß						CUTTING INSERT WENDE PLATTE	PRICE / PREIS
		d	d ₁	d ₂	l ₁	l ₂	l ₃		
D4   COMPATIBLE WITH TGTC INSERT KOMPATIBEL FÜR WENDESCHNEIDPLATTEN TGTC	ATUM 13XD4 SP.. 050204	13	20	25	52	74	50	SP.. 050204	254,00 €
	ATUM 14XD4 SP.. 050204	14	20	25	56	78	50	SP.. 050204	254,00 €
	ATUM 15XD4 SP.. 050204	15	20	25	60	82	50	SP.. 050204	254,00 €
	ATUM 16XD4 SP.. 060204	16	25	34	64	86	56	SP.. 060204	254,00 €
	ATUM 17XD4 SP.. 060204	17	25	34	68	90	56	SP.. 060204	254,00 €
	ATUM 17.5XD4 SP.. 060204	17.5	25	34	68	90	56	SP.. 060204	254,00 €
	ATUM 18XD4 SP.. 060204	18	25	34	72	94	56	SP.. 060204	254,00 €
	ATUM 19XD4 SP.. 060204	19	25	34	76	98	56	SP.. 060204	254,00 €
	ATUM 19.5XD4 SP.. 060204	19.5	25	34	76	98	56	SP.. 060204	254,00 €
	ATUM 20XD4 SP.. 060204	20	25	34	80	102	56	SP.. 060204	265,00 €
	ATUM 21XD4 SP.. 060204	21	25	34	84	106	56	SP.. 060204	265,00 €
	ATUM 22XD4 SP.. 07T308	22	25	34	88	110	56	SP.. 07T308	265,00 €
	ATUM 23XD4 SP.. 07T308	23	25	34	92	114	56	SP.. 07T308	265,00 €
	ATUM 23.5XD4 SP.. 07T308	23.5	25	34	92	114	56	SP.. 07T308	265,00 €
	ATUM 24XD4 SP.. 07T308	24	25	34	96	118	56	SP.. 07T308	276,00 €
	ATUM 25XD4 SP.. 07T308	25	25	34	100	122	56	SP.. 07T308	276,00 €
	ATUM 26XD4 SP.. 07T308	26	25	34	104	126	56	SP.. 07T308	276,00 €
	ATUM 27XD4 SP.. 07T308	27	25	34	108	130	56	SP.. 07T308	276,00 €
	ATUM 27.5XD4 SP.. 07T308	27.5	25	34	108	130	56	SP.. 07T308	276,00 €
	ATUM 28XD4 SP.. 090408	28	25	34	112	134	56	SP.. 090408	276,00 €
	ATUM 29XD4 SP.. 090408	29	25	34	116	138	56	SP.. 090408	276,00 €
	ATUM 30XD4 SP.. 090408	30	32	44	120	147	60	SP.. 090408	287,00 €
	ATUM 31XD4 SP.. 090408	31	32	44	124	151	60	SP.. 090408	287,00 €
	ATUM 32XD4 SP.. 090408	32	32	44	128	155	60	SP.. 090408	287,00 €
	ATUM 33XD4 SP.. 090408	33	32	44	132	159	60	SP.. 090408	287,00 €
	ATUM 33.5XD4 SP.. 090408	33.5	32	44	132	159	60	SP.. 090408	287,00 €
	ATUM 34XD4 SP.. 110408	34	32	44	136	163	60	SP.. 110408	287,00 €
	ATUM 35XD4 SP.. 110408	35	32	44	140	167	60	SP.. 110408	287,00 €
	ATUM 36XD4 SP.. 110408	36	32	44	144	171	60	SP.. 110408	287,00 €
	ATUM 37XD4 SP.. 110408	37	32	44	148	175	60	SP.. 110408	287,00 €
	ATUM 38XD4 SP.. 110408	38	32	44	152	179	60	SP.. 110408	287,00 €
	ATUM 39XD4 SP.. 110408	39	32	44	156	183	60	SP.. 110408	287,00 €
	ATUM 40XD4 SP.. 110408	40	32	44	160	187	60	SP.. 110408	287,00 €
	ATUM 41XD4 SP.. 110408	41	32	44	164	191	60	SP.. 110408	309,00 €
	ATUM 42XD4 SP.. 140512	42	32	44	168	195	60	SP.. 140512	309,00 €
	ATUM 43XD4 SP.. 140512	43	32	44	172	199	60	SP.. 140512	309,00 €
	ATUM 44XD4 SP.. 140512	44	32	44	176	203	60	SP.. 140512	309,00 €

U-DRILL SYSTEM / VOLLBOHRER (SPGT)

D2



COMPATIBLE WITH ZCC INSERT
KOMPATIBEL FÜR WENDESCHNEIDPLATTEN ZCC

[illegible]

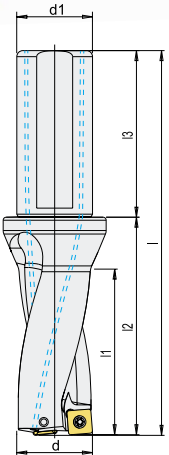
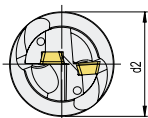
D4



COMPATIBLE WITH ZCC INSERT
KOMPATIBEL FÜR WENDESCHNEIDPLATTEN ZCC

[illegible]

U-DRILL SYSTEM / VOLLBOHRER (SOMX - SOMT)

	CODE / TYP	TOOL DIMENSIONS (mm) MAß						CUTTING INSERT WENDE PLATTE	PRICE / PREIS
		d	d1	d2	l1	l2	l3		
D3     COMPATIBLE WITH ISCR INSERT KOMPATIBEL FÜR WENDESCHNEIDPLATTEN ISCR	ATUM 14XD3 SO.. 050204	14	20	25	42	64	50	SO.. 050204	154,00 €
	ATUM 15XD3 SO.. 050204	15	20	25	45	67	50	SO.. 050204	154,00 €
	ATUM 16XD3 SO.. 050204	16	25	34	48	70	56	SO.. 050204	154,00 €
	ATUM 16.5XD3 SO.. 050204	16.5	25	34	48	70	56	SO.. 050204	154,00 €
	ATUM 17XD3 SO.. 050204	17	25	34	51	73	56	SO.. 050204	154,00 €
	ATUM 17.5XD3 SO.. 050204	17.5	25	34	51	73	56	SO.. 050204	154,00 €
	ATUM 18XD3 SO.. 060304	18	25	34	54	76	56	SO.. 060304	154,00 €
	ATUM 20XD3 SO.. 060304	20	25	34	60	82	56	SO.. 060304	160,00 €
	ATUM 22XD3 SO.. 070305	22	25	34	66	88	56	SO.. 070305	160,00 €
	ATUM 22.5XD3 SO.. 070305	22.5	25	34	66	88	56	SO.. 070305	160,00 €
	ATUM 23XD3 SO.. 070305	23	25	34	69	91	56	SO.. 070305	160,00 €
	ATUM 24XD3 SO.. 070305	24	25	34	72	94	56	SO.. 070305	166,00 €
	ATUM 25XD3 SO.. 09T306	25	25	34	75	97	56	SO.. 09T306	166,00 €
	ATUM 26XD3 SO.. 09T306	26	25	34	78	100	56	SO.. 09T306	166,00 €
	ATUM 30XD3 SO.. 09T306	30	32	44	90	117	60	SO.. 09T306	171,00 €

[illegible]

EXCENTRIC ADAPTOR FOR U-DRILLS / EXZENTRISCHER ADAPTER FÜR WENDEPLATTENBOHRER

48/49

	CODE / TYP	TOOL DIMENSIONS (mm) MAß			PRICE / PREIS
		d	D	L	
	AET-2025	20	25	44	71,00 €
	AET-2532	25	32	46	71,00 €
	AET-3240	32	40	55	71,00 €
	CAN BE ADJUSTABLE BETWEEN	ZWISCHEN -0,2 mm UND +0,4 mm EINSTELLBAR			
	Ø+0,4 - Ø-0,2 AS DECIMAL	BEISPIEL WERKZEUG :			
	FOR EXAMPLE: Ø25 TOOL;	Ø25= WERKZEUG ZWISCHEN 24,80 ≈ 25,4 EINSTELLBAR			
	CAN BE ADJUSTABLE BETWEEN 24,80≈25,4				

DRILL CHAMFERING RING TOOLS / VOLLBOHRER RING FASENFRÄSER

	CODE / TYP	CUTTING INSERT WENDE PLATTE	PRICE / PREIS
	ADCR-12-13-VB1103	VBM. 1103..	77,00 €
	ADCR-13-14-VB1103	VBM. 1103..	77,00 €
	ADCR-14-15-VB1103	VBM. 1103..	77,00 €
	ADCR-15-16-VB1103	VBM. 1103..	77,00 €
	ADCR-16-17-VB1103	VBM. 1103..	81,00 €
	ADCR-17-18-VB1103	VBM. 1103..	81,00 €
	ADCR-18-19-VB1103	VBM. 1103..	81,00 €
	ADCR-19-20-VB1103	VBM. 1103..	81,00 €
	ADCR-20-21-VB1103	VBM. 1103..	85,00 €
	ADCR-21-22-VB1103	VBM. 1103..	85,00 €
	ADCR-22-23-VB1103	VBM. 1103..	85,00 €
	ADCR-23-24-VB1103	VBM. 1103..	85,00 €
	ADCR-24-25-VB1103	VBM. 1103..	85,00 €
	ADCR-25-26-VB1103	VBM. 1103..	92,00 €
	ADCR-26-27-VB1103	VBM. 1103..	92,00 €
	ADCR-27-28-VB1103	VBM. 1103..	92,00 €
	ADCR-28-29-VB1103	VBM. 1103..	92,00 €
	ADCR-29-30-VB1103	VBM. 1103..	92,00 €

DRILLING, BORING and EXTERNAL TURNING / MULTIFUNKTIONALES DREH-UND BOHRWERKZEUG

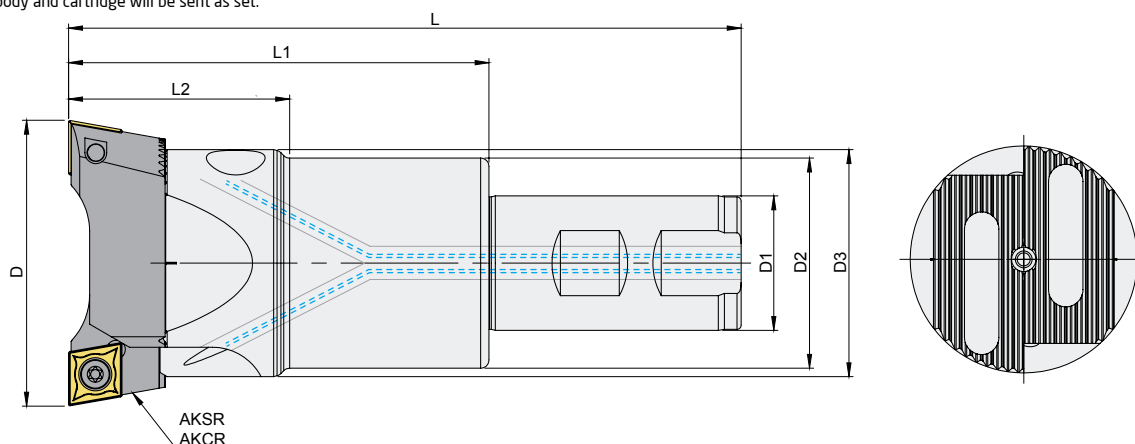
	CODE / TYP	TOOL DIMENSIONS (mm) MAß							CUTTING INSERT WENDE PLATTE	PRICE / PREIS
		ød	ød1	ød2	l1	l2	l3	f		
	AEKL/R-D2.25X8 XC.. 040104	8	10	12	18	22	38	4	XC.. 040104	110,00 €
	AEKL/R-D2.25X10 XC.. 050204	10	12	16	22.5	27.5	42	5	XC.. 050204	110,00 €
	AEKL/R-D2.25X12 XC.. 060204	12	16	20	27	33	45	6	XC.. 060204	116,00 €
	AEKL/R-D2.25X14 XC.. 070304	14	16	20	31.5	38	45	7	XC.. 070304	121,00 €
	AEKL/R-D2.25X16 XC.. 080304	16	20	25	36	44	50	8	XC.. 080304	125,00 €
	AEKL/R-D2.25X18 XC.. 09T304	18	25	32	40.5	50	56	9	XC.. 09T304	141,00 €
	AEKL/R-D2.25X20 XC.. 10T304	20	25	32	45	55	56	10	XC.. 10T304	155,00 €
	AEKL/R-D2.25X25 XC.. 130404	25	32	40	56.5	69	60	12.5	XC.. 130404	175,00 €
	AEKL/R-D2.25X32 XC.. 170504	32	40	50	72	88	70	16	XC.. 170504	181,00 €

COMPATIBLE WITH
CRTZT-ISCRTGTC-KRLY INSERT
KOMPATIBEL FÜR WENDESCHNEIDPLATTEN
CRTZT-ISCRTGTC-KRLY

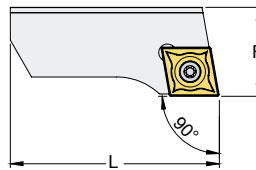
ROUGH BORING HEADS / Schrupp-Spindelkopf

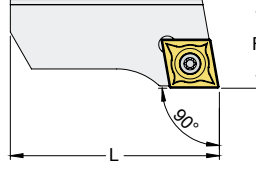
	CODE / TYP	TOOL DIMENSIONS (mm) Maß							CARTRIDGE KURZDREHHALTER	PRICE / PREIS
		Dmin / Dmax	D1	D2	D3	L	L1	L2		
	ABHR-D16x42-W16-L90	18-22	16	-	-	90	42	-	AK.. 18-22	260,00 €
	ABHR-D20x50-W20-L100	22-28	20	-	-	100	50	-	AK.. 22-28	270,00 €
	ABHR-D25x60-W20-L110	28-38	20	25	-	110	60	-	AK.. 28-38	275,00 €
	ABHR-D32x64-W25-L120	36-50	25	32	-	120	64	-	AK.. 36-50	280,00 €
	ABHR-D40x80-W32-L140	50-68	32	40	-	140	80	-	AK.. 50-68	290,00 €
	ABHR-D50x100-W32-L160	68-90	32	50	54	160	100	50	AK.. 68-90	320,00 €
	ABHR-D63x80-W32-L140	90-120	32	63	72	140	80	63	AK.. 90-120	350,00 €
	ABHR-D63x130-W40-L200	90-120	40	63	72	200	130	63	AK.. 90-120	380,00 €
	ABHR-D80x140-W40-L210	120-160	40	80	95	210	140	75	AK.. 120-160	600,00 €
	ABHR-D80x140-W40-L210-B	160-200	40	80	95	210	140	75	AK.. 160-800	800,00 €

When ordered, body and cartridge will be sent as set.



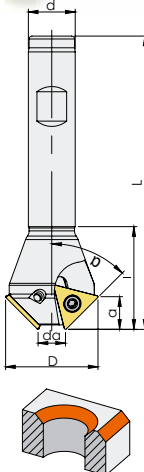
ROUGH BORING HEADS CARTRIDGE / Schrupp-Spindelkopf Kurzdrehhalter

	CODE / TYP	TOOL DIMENSIONS (mm) Maß			CUTTING INSERT WENDE PLATTE	PRICE / PREIS
		Dmin / Dmax	F	L		
 	AKSR 18-22	18-22	9	15	CC.. 0602..	70,00 €
	AKSR 22-28	22-28	10	19	ISO	75,00 €
	AKSR 28-38	28-38	13	23		80,00 €
	AKSR 36-50	36-50	16	32		85,00 €
	AKSR 36-50-09	36-50	16	32	CC.. 09T3..	85,00 €
	AKSR 50-68	50-68	20	40	ISO	90,00 €
	AKSR 50-68-12	50-68	20	40	CC.. 1204..	90,00 €
	AKSR 68-90	68-90	23	54	ISO	95,00 €
	AKSR 90-120	90-120	28	70		100,00 €
	AKSR 120-160	120-160	33	95		105,00 €
	AKSR 160-800	160-800	33	130		110,00 €

	CODE / TYP	TOOL DIMENSIONS (mm) Maß			CUTTING INSERT WENDE PLATTE	PRICE / PREIS
		Dmin / Dmax	F	L		
 	AKCR 28-38	28-38	12.8	23	CC.. 0602..	80,00 €
	AKCR 36-50	36-50	15.8	32	ISO	85,00 €
	AKCR 36-50-09	36-50	15.8	32	CC.. 09T3..	85,00 €
	AKCR 50-68	50-68	19.7	40	ISO	90,00 €
	AKCR 50-68-12	50-68	19.7	40	CC.. 1204..	90,00 €
	AKCR 68-90	68-90	22.7	54	ISO	95,00 €
	AKCR 90-120	90-120	27.7	70		100,00 €
	AKCR 120-160	120-160	32.7	95		105,00 €
	AKCR 160-800	160-800	32.7	130		110,00 €

CHAMFERING TOOLS / FASENFRÄSER

50/51

	CODE / TYP	TOOL DIMENSIONS (mm) <i>MAß</i>							CUTTING INSERT WENDE PLATTE	PRICE / PREIS
		α	d_a	D	d	L	l	a		
	ACM10-TC16-D17X20-W16-L90-Z01	10°	17	20	16	90	30	15.2		55,00 €
	ACM15-TC16-D17X22-W16-L90-Z01	15°	17	22	16	90	30	14.9		55,00 €
	ACM17.5-TC16-D17X24-W16-L90-Z01	17.5°	17	24	16	90	30	14.7		55,00 €
	ACM18.5-TC16-D21.3X30-W20-L100-Z02	18.5°	21.3	30	20	100	30	13.5		55,00 €
	ACM20-TC16-D12X20-W16-L100-Z01	20°	12	20	16	100	30	14.4		55,00 €
	ACM20-TC16-D17X26-W16-L100-Z01	20°	17	26	16	100	30	14.4	TC.T 16T304	55,00 €
	ACM22.5-TC16-D17X28-W16-L100-Z01	22.5°	17	28	16	100	30	14.2	ISO	55,00 €
	ACM25-TC16-D17X30-W16-L100-Z01	25°	17	30	16	100	30	13.9		55,00 €
	ACM30-TC16-D6X20-W16-L100-Z01	30°	6	20	16	100	30	13.3		55,00 €
	ACM30-TC16-D20X35-W16-L100-Z02	30°	20	35	16	100	35	13.3		55,00 €
	ACM30-TC16-D30X45-W20-L100-Z02	30°	30	45	20	100	40	13.3		55,00 €
	ACM45-TC09-D7X19-W16-L100-Z02	45°	7	19	16	100	25	5.9	TC.T 090204	55,00 €
	ACM45-TC11-D11X24-W16-L100-Z02	45°	11	24	16	100	25	6.9	TC.T 110204	55,00 €
	ACM45-TC16-D5X23-W16-L100-Z01	45°	5	23	16	100	30	10.8		55,00 €
	ACM45-TC16-D10X30-W16-L100-Z02	45°	10	30	16	100	35	10.8		55,00 €
	ACM45-TC16-D10X30-W20-L100-Z02	45°	10	30	20	100	35	10.8		55,00 €
	ACM45-TC16-D18X37-W20-L100-Z02	45°	18	37	20	100	40	10.8	TC.T 16T304	55,00 €
	ACM45-TC16-D20X40-W20-L100-Z02	45°	20	40	20	100	40	10.8	ISO	55,00 €
	ACM45-TC16-D30X50-W20-L100-Z02	45°	30	50	20	100	40	10.8		55,00 €
	ACM55-TC16-D16X40-W20-L100-Z03	55°	16	40	20	100	40	8.7		90,00 €
	ACM62-TC16-D14X40-W20-L100-Z03	62°	14	40	20	100	40	7.1		90,00 €
	ACM45-SP1104-D12x26-W20-L150-Z01	45°	12	26	20	150	30	-	SPGT 110408	68,00 €
	ACM45-SP1104-D25x39-W25-L150-Z02	45°	25	39	25	150	35	-	FOR ZCC	85,00 €
	ACM45-SP1104-D32x46-W32-L150-Z03	45°	32	46	32	150	40	-	INSERT.	102,00 €

COUNTERSINK MILLING TOOL FOR CYLINDRICAL ALLEN HEAD SCREWS (DIN 974-1) SENKWERKZEUG FÜR ZYLINDERKOPFSCHRAUBEN (DIN 974-1)

	CODE / TYP	TOOL DIMENSIONS (mm) <i>MAß</i>							PRICE / PREIS
		d_a	D	d	l	L	For Screws		
	ACBM-CC06-D17X6-W16-L150-Z02	6	17	16	30	150	M10		100,00 €
	ACBM-CC06-D18X7-W16-L100-Z02-H	7	18	16	32	100	M10		80,00 €
	ACBM-CC06-D18X7-W16-L160-Z02-H	7	18	16	32	160	M10		107,00 €
	ACBM-CC06-D20X9-W20-L100-Z02-H	9	20	20	40	100	M12		85,00 €
	ACBM-CC06-D20X9-W20-L160-Z02-H	9	20	20	38	160	M12		114,00 €
	ACBM-CC09-D26X8.5-W25-L130-Z02-H	8.5	26	25	50	130	M16		90,00 €
	ACBM-CC09-D26X8.5-W25-L200-Z02	8.5	26	25	50	200	M16		121,00 €
	ACBM-CC09-D33X15.5-W32-L130-Z02-H	15.5	33	32	65	130	M20		100,00 €
	ACBM-CC09-D33X15.5-W32-L200-Z2	15.5	33	32	65	200	M20		136,00 €
	ACBM-SP06-D15X4-W16-L160-Z02-H	4	15	16	80	160	M8		107,00 €

END MILLS / WP - SCHAFTFRÄSER

	CODE / TYP	TOOL DIMENSIONS (mm) <i>MAß</i>							CUTTING INSERT WENDE PLATTE	PRICE / PREIS
		D	Z	d	L	l	a			
	AEM90-AD1505-D25-W25-L150-Z02	25	2	25	150	50	15		AD.. 1505..	104,00 €
	AEM90-AD1505-D30-W25-L150-Z03	30	3	25	150	50	15		FOR ISCR	119,00 €
	AEM90-AD1505-D32-W32-L150-Z03	32	3	32	150	50	15		INSERT.	119,00 €
										

90°

END MILLS / WP - SCHAFTFRÄSER

	CODE / TYP	TOOL DIMENSIONS (mm) Maß						CUTTING INSERT WENDE PLATTE	PRICE / PREIS
		D	Z	d	L	l	a		
	AEM90-AD10T3-D16-W16-L100-Z02-H	16	2	16	100	30	10		85,00 €
	AEM90-AD10T3-D16-W16-L150-Z02	16	2	16	150	40	10	ADMT 10T3..	85,00 €
	AEM90-AD10T3-D20-W20-L70-Z03	20	3	20	100	30	10	FOR WLTR	92,00 €
	AEM90-AD10T3-D20-W20-L100-Z03-H	20	3	20	100	30	10	INSERT.	102,00 €
	AEM90-AD10T3-D20-W20-L150-Z03	20	3	20	150	40	10		102,00 €
	AEM90-AD10T3-D20-C20-L150-Z03	20	3	20	150	40	10		102,00 €
	AEM90-AD10T3-D25-W25-L100-Z03-H	25	3	25	100	30	10		106,00 €
	AEM90-AD10T3-D25-W25-L150-Z03	25	3	25	150	50	10		106,00 €
	AEM90-AD1204-D20-W20-L150-Z02	20	2	20	150	50	12	ADMT 1204..	92,00 €
	AEM90-AD1204-D25-W25-L150-Z03	25	3	25	150	50	12	FOR WLTR	108,00 €
	AEM90-AD1204-D32-W32-L150-Z04	32	4	32	150	50	12	INSERT.	123,00 €
	AEM90-AD1606-D25-W25-L150-Z02	25	2	25	150	50	15	ADMT 1606..	108,00 €
	AEM90-AD1505D-D25-W25-L150-Z02	25	2	25	150	50	14.3	ADKT 150508	104,00 €
	AEM90-AD1505D-D32-W32-L150-Z03	32	3	32	150	50	14.3	FOR DJT	119,00 €
								INSERT.	
	AEM90-AN11-D22-W20-L150-Z02	22	2	20	150	30	11		112,00 €
	AEM90-AN11-D25-W25-L150-Z02	25	2	25	150	40	11		98,00 €
	AEM90-AN11-D25-C25-L200-Z02	25	2	25	200	40	11		147,00 €
	AEM90-AN11-D26-W25-L150-Z02	26	2	25	150	40	11	ANGX 110508	118,00 €
	AEM90-AN11-D28-W25-L150-Z02	28	2	25	150	25	11	FOR ZCC	118,00 €
	AEM90-AN11-D32-W32-L150-Z03	32	3	32	150	50	11	INSERT.	114,00 €
	AEM90-AN11-D32-C32-L200-Z03	32	3	32	200	50	11		171,00 €
	AEM90-AN11-D40-W32-L150-Z04	40	4	32	150	40	11		130,00 €
	AEM90-AN1607-D32-C25-L150-Z02	32	2	25	150	40	15	AN.X 1607..	121,00 €
	AEM90-AN1607-D40-C32-L150-Z03	40	3	32	150	45	15	FOR TGTC	152,00 €
								INSERT.	

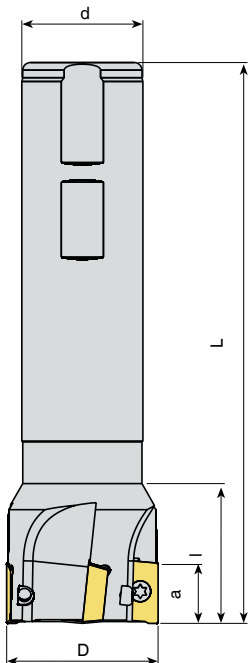
Cutting Calculation : P 82 / Schnittdatenberechnung : S 82

Ordering Example/Beispiel Bestellformular: 1 pcs. AEM90-AD10T3-D16-W16-L100-Z02-H



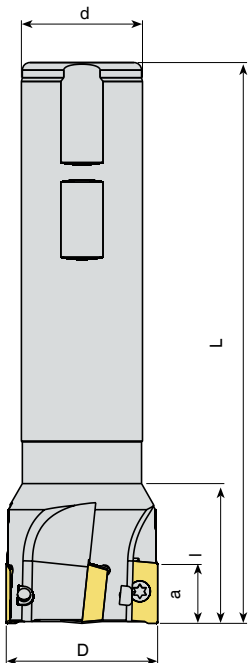
END MILLS / WP - SCHAFTFRÄSER

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	CODE / TYP	TOOL DIMENSIONS (mm) Maß						CUTTING INSERT WENDE PLATTE	PRICE / PREIS
		D	Z	d	L	l	a		
	NEW AEM90-AP06-D10-C10-L120-Z02	10	2	10	120	20	5.6	APMT 0602..	117,00 €
	NEW AEM90-AP06-D12-C12-L120-Z02	12	2	12	120	20	5.6	FOR KRLY INSERT.	117,00 €
	NEW AEM90-AP0903-D16-C16-L150-Z02	16	2	16	150	30	9		95,00 €
	NEW AEM90-AP0903-D17-C16-L150-Z02	17	2	16	150	30	9	APMT 0903..	95,00 €
	NEW AEM90-AP0903-D20-C20-L150-Z02	20	2	20	150	30	9	FOR KRLY	105,00 €
	NEW AEM90-AP0903-D21-C20-L150-Z02	21	2	20	150	30	9	INSERT.	105,00 €
	NEW AEM90-AP0903-D25-C25-L150-Z03	25	3	25	150	30	9		115,00 €
	NEW AEM90-AP09-D16-C15-L150-Z02	16	2	15	150	25	8.8	APKT 09T3..	95,00 €
	NEW AEM90-AP09-D17-C16-L150-Z02	17	2	16	150	25	8.8	FOR TGTC	95,00 €
	NEW AEM90-AP09-D21-C20-L150-Z03	21	3	20	150	25	8.8	INSERT.	111,00 €
	NEW AEM90-AP09-D26-C25-L150-Z04	26	4	25	150	30	8.8		126,00 €
	AEM90-AP10-D12-W16-L100-Z01-H	12	1	16	100	30	10		66,00 €
	AEM90-AP10-D12-W16-L150-Z01	12	1	16	150	38	10		66,00 €
	AEM90-AP10-D14-W16-L100-Z01-H	14	1	16	100	30	10		66,00 €
	AEM90-AP10-D14-W16-L150-Z01	14	1	16	150	38	10		66,00 €
	AEM90-AP10-D16-C16-L100-Z02-H	16	2	16	100	30	10		77,00 €
	AEM90-AP10-D16-W16-L100-Z02-H	16	2	16	100	30	10		77,00 €
	AEM90-AP10-D16-C16-L120-Z02-H	16	2	16	120	30	10		77,00 €
	AEM90-AP10-D16-C16-L150-Z02	16	2	16	150	50	10		77,00 €
	AEM90-AP10-D16-C16-L150-Z02-H	16	2	16	150	50	10		87,00 €
	AEM90-AP10-D16-W16-L150-Z02	16	2	16	150	50	10		77,00 €
	AEM90-AP10-D16-C16-L200-Z02	16	2	16	200	100	10		110,00 €
	AEM90-AP10-D16-C16-L200-Z02-H	16	2	16	200	100	10		137,00 €
	AEM90-AP10-D18-W16-L100-Z02-H	18	2	16	100	30	10		79,00 €
	AEM90-AP10-D18-W16-L150-Z02	18	2	16	150	30	10		79,00 €
	AEM90-AP10-D20-C20-L100-Z03-H	20	3	20	100	30	10		89,00 €
	AEM90-AP10-D20-W20-L100-Z03-H	20	3	20	100	30	10		89,00 €
	AEM90-AP10-D20-C20-L120-Z03-H	20	3	20	120	30	10	AP. 1003..	89,00 €
	AEM90-AP10-D20-C20-L150-Z03	20	3	20	150	50	10	ISO	89,00 €
	AEM90-AP10-D20-C20-L150-Z03-H	20	3	20	150	50	10		100,00 €
	AEM90-AP10-D20-W20-L150-Z03	20	3	20	150	50	10		89,00 €
	AEM90-AP10-D20-C20-L200-Z02	20	2	20	200	100	10		137,00 €
	AEM90-AP10-D20-C20-L200-Z03-H	20	3	20	200	100	10		168,00 €
	NEW AEM90-AP10-D20-C20-L250-Z02	20	2	20	250	150	10		196,00 €
	NEW AEM90-AP10-D20-C20-L250-Z02-H	20	2	20	250	150	10		250,00 €
	AEM90-AP10-D21-W20-L150-Z03	21	3	20	150	30	10		89,00 €
	AEM90-AP10-D22-W20-L100-Z03-H	22	3	20	100	30	10		89,00 €
	AEM90-AP10-D22-W20-L150-Z03	22	3	20	150	30	10		89,00 €
	AEM90-AP10-D23-W20-L150-Z03	23	3	20	150	30	10		89,00 €
	AEM90-AP10-D24-W20-L150-Z03	24	3	20	150	30	10		89,00 €
	NEW AEM90-AP10-D25-W25-L100-Z04-H	25	4	25	100	30	10		115,00 €
	AEM90-AP10-D25-C25-L100-Z03-H	25	3	25	100	30	10		95,00 €
	AEM90-AP10-D25-W25-L100-Z03-H	25	3	25	100	30	10		95,00 €
	AEM90-AP10-D25-C25-L120-Z03-H	25	3	25	120	30	10		89,00 €
	AEM90-AP10-D25-C25-L150-Z03	25	3	25	150	50	10		89,00 €
	AEM90-AP10-D25-W25-L150-Z03	25	3	25	150	50	10		95,00 €
	AEM90-AP10-D25-C25-L200-Z02	25	2	25	200	100	10		142,00 €
	AEM90-AP10-D25-C25-L200-Z03	25	3	25	200	100	10		152,00 €
	AEM90-AP10-D25-C25-L250-Z02	25	2	25	250	100	10		179,00 €

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END MILLS / WP - SCHAFTFRÄSER

	CODE / TYP	TOOL DIMENSIONS (mm) Maß						CUTTING INSERT WENDE PLATTE	PRICE / PREIS
		D	Z	d	L	l	a		
  90°	AEM90-AP10-D30-C25-L100-Z04-H	30	4	25	100	30	10		105,00 €
	AEM90-AP10-D30-C25-L120-Z04-H	30	4	25	120	30	10		105,00 €
	AEM90-AP10-D30-C25-L150-Z04	30	4	25	150	30	10		105,00 €
	AEM90-AP10-D32-C25-L100-Z04-H	32	4	25	100	35	10	AP.. 1003..	105,00 €
	AEM90-AP10-D32-C25-L120-Z04-H	32	4	25	120	35	10	ISO	105,00 €
	AEM90-AP10-D32-C25-L150-Z04	32	4	25	150	35	10		105,00 €
	AEM90-AP10-D32-W25-L150-Z04	32	4	25	150	35	10		105,00 €
	AEM90-AP10-D32-W32-L150-Z04	32	4	32	150	50	10		105,00 €
	AEM90-AP10-D40-W32-L150-Z05	40	5	32	150	40	10		121,00 €
	AEM90-AP10D-D16-W16-L150-Z02	16	2	16	150	50	10	AP.. 1003..	77,00 €
	AEM90-AP10D-D20-W20-L150-Z03	20	3	20	150	50	10	FOR DJT INSERT.	89,00 €
	AEM90-AP11-D16-C16-L150-Z02	16	2	16	150	50	11		77,00 €
	AEM90-AP11-D16-C16-L150-Z02-H	16	2	16	150	50	11		87,00 €
	AEM90-AP11-D16-W16-L150-Z02	16	2	16	150	50	11		77,00 €
	AEM90-AP11-D16-C16-L200-Z02	16	2	16	200	100	11		110,00 €
	AEM90-AP11-D17-C16-L150-Z02	17	2	16	150	30	11		87,00 €
	AEM90-AP11-D17-C16-L200-Z02	17	2	16	200	30	11		121,00 €
	AEM90-AP11-D20-C20-L150-Z03	20	3	20	150	50	11		89,00 €
	AEM90-AP11-D20-W20-L150-Z03	20	3	20	150	50	11		89,00 €
	AEM90-AP11-D20-W20-L150-Z03-H	20	3	20	150	50	11		100,00 €
	AEM90-AP11-D20-C20-L200-Z03	20	3	20	200	100	11	AP.. 11T3..	147,00 €
	AEM90-AP11-D21-C20-L150-Z03	21	3	20	150	30	11	FOR KRLY-ZCC	89,00 €
	AEM90-AP11-D21-W20-L150-Z03	21	3	20	150	30	11	INSERT.	89,00 €
	AEM90-AP11-D21-W20-L150-Z03-H	21	3	20	150	30	11		100,00 €
	AEM90-AP11-D21-C20-L200-Z03	21	3	20	200	30	11		158,00 €
	AEM90-AP11-D25-C25-L150-Z03	25	3	25	150	50	11		95,00 €
	AEM90-AP11-D25-W25-L150-Z03	25	3	25	150	50	11		95,00 €
	AEM90-AP11-D25-W25-L150-Z03-H	25	3	25	150	50	11		105,00 €
	AEM90-AP11-D26-C25-L150-Z03	26	3	25	150	35	11		105,00 €
	NEW AEM90-AP11-D26-C24-L150-Z03	26	3	24	150	47	11		105,00 €
	AEM90-AP11-D32-W25-L150-Z04	32	4	25	150	35	11		105,00 €
	AEM90-AP11-D32-W32-L150-Z03-H	32	3	32	150	50	11		105,00 €
	AEM90-AP11-D32-W32-L150-Z04	32	4	32	150	50	11		105,00 €
	NEW AEM90-AP1135-D16-W16-L150-Z02	16	2	16	150	50	9.5	AP.. 1135..	95,00 €
	NEW AEM90-AP1135-D20-W20-L150-Z03	20	3	20	150	50	9.5	FOR GSC INSERT.	109,00 €
	AEM90-AP1204-D20-C20-L150-Z02	20	2	20	150	30	12		116,00 €
	AEM90-AP1204-D21-C20-L150-Z02	21	2	20	150	30	12	AP.. 1204..	116,00 €
	AEM90-AP1204-D21-C20-L200-Z02	21	2	20	200	30	12	FOR TGTC	168,00 €
	AEM90-AP1204-D25-C25-L150-Z03	25	3	25	150	40	12	INSERT.	126,00 €
	AEM90-AP1204-D26-C25-L250-Z02	26	2	25	250	35	12		231,00 €
	AEM90-AP1204-D32-C25-L150-Z03	32	3	25	150	35	12		131,00 €
	AEM90-AP16-D25-C20-L100-Z02	25	2	20	100	35	16		89,00 €
	AEM90-AP16-D25-W25-L100-Z02-H	25	2	25	100	35	16		89,00 €
	AEM90-AP16-D25-W25-L150-Z02	25	2	25	150	50	16		89,00 €
	AEM90-AP16-D25-C25-L250-Z02	25	2	25	250	100	16	AP.. 1604..	179,00 €
	AEM90-AP16-D28-W25-L100-Z03-H	28	3	25	100	40	16	ISO	99,00 €
	AEM90-AP16-D28-W25-L150-Z03	28	3	25	150	40	16		99,00 €
	AEM90-AP16-D30-W25-L110-Z03-H	30	3	25	110	40	16		99,00 €
	AEM90-AP16-D30-W25-L150-Z03	30	3	25	150	40	16		99,00 €

END MILLS / WP - SCHAFTFRÄSER

	CODE / TYP	TOOL DIMENSIONS (mm) MAß						CUTTING INSERT WENDE PLATTE	PRICE / PREIS
		D	Z	d	L	l	a		
 90°	AEM90-AX0602-D10-C10-L120-Z02	10	2	10	120	20	5.7		131,00 €
	AEM90-AX0602-D12-C12-L120-Z02	12	2	12	120	20	5.7		131,00 €
	AEM90-AX0602-D14-C12-L120-Z03	14	3	12	120	20	5.7	AX.T 0602..	147,00 €
	AEM90-AX0602-D16-W16-L120-Z04-H	16	4	16	120	20	5.7	FOR TGTC	113,00 €
	AEM90-AX0602-D16-W16-L150-Z04-H	16	4	16	150	20	5.7	INSERT.	127,00 €
	AEM90-AX0602-D20-W20-L120-Z05-H	20	5	20	120	25	5.7		133,00 €
	AEM90-AX0602-D20-W20-L150-Z05-H	20	5	20	150	25	5.7		147,00 €
	AEM90-AX0903-D16-C16-L120-Z02	16	2	16	120	30	8.8		95,00 €
	AEM90-AX0903-D16-C16-L180-Z02	16	2	16	180	30	8.8		142,00 €
	AEM90-AX0903-D17-C16-L120-Z02	17	2	16	120	25	8.8		95,00 €
	AEM90-AX0903-D17-C16-L180-Z02	17	2	16	180	25	8.8	AX.T 0903..	142,00 €
	AEM90-AX0903-D20-C20-L120-Z03	20	3	20	120	30	8.8	FOR TGTC	116,00 €
	AEM90-AX0903-D20-C20-L200-Z02	20	2	20	200	30	8.8	INSERT.	168,00 €
	AEM90-AX0903-D21-C20-L120-Z03	21	3	20	120	25	8.8		116,00 €
	AEM90-AX0903-D21-C20-L200-Z02	21	2	20	200	25	8.8		168,00 €
	AEM90-AX0903-D25-C25-L150-Z03	25	3	25	150	30	8.8		116,00 €
	AEM90-AX0903-D25-C25-L250-Z02	25	2	25	250	40	8.8		231,00 €
	AEM90-AX0903-D26-C25-L150-Z03	26	3	25	150	30	8.8		116,00 €
 90°	AEM90-AX1235-D16-C14-L120-Z02-H	16	2	14	120	25	10		110,00 €
	AEM90-AX1235-D16-C16-L140-Z02-H	16	2	16	140	25	10		110,00 €
	AEM90-AX1235-D16-C16-L150-Z02	16	2	16	150	30	10	AX.T 1235..	110,00 €
	AEM90-AX1235-D20-C20-L150-Z02	20	2	20	150	40	10	FOR SMTM	116,00 €
	AEM90-AX1235-D20-C20-L150-Z03	20	3	20	150	40	10	INSERT.	132,00 €
	AEM90-AX1235-D25-C20-L120-Z04-H	25	4	20	120	30	10		155,00 €
	AEM90-AX1235-D25-C25-L150-Z03	25	3	25	150	50	10		139,00 €
	AEM90-AX1705-D25-C25-L150-Z02	25	2	25	150	50	14	AX.T 1705..	127,00 €
	AEM90-AX1705-D32-C32-L150-Z03	32	3	32	150	50	14	SMTM	151,00 €
 90°	AEM90-BD11T3-D16-W16-L100-Z02-H	16	2	16	100	30	10		85,00 €
	AEM90-BD11T3-D16-W16-L150-Z02	16	2	16	150	50	10		85,00 €
	AEM90-BD11T3-D20-W20-L100-Z03-H	20	3	20	100	30	10		102,00 €
	AEM90-BD11T3-D20-W20-L150-Z03	20	3	20	150	50	10	BDMT 11T3..	102,00 €
	AEM90-BD11T3-D25-W25-L100-Z03-H	25	3	25	100	30	10	FOR KYCR	106,00 €
	AEM90-BD11T3-D25-W25-L150-Z03	25	3	25	150	50	10	INSERT.	106,00 €
	AEM90-BD11T3-D32-W32-L110-Z04-H	32	4	32	110	40	10		123,00 €
	AEM90-BD11T3-D32-W32-L150-Z04	32	4	32	150	50	10		123,00 €
	AEM90-BD1704-D25-W25-L100-Z02-H	25	2	25	100	35	15.7		106,00 €
	AEM90-BD1704-D25-W25-L150-Z02	25	2	25	150	50	15.7	BDMT 1704..	106,00 €
	AEM90-BD1704-D32-W32-L110-Z03-H	32	3	32	110	40	15.7	FOR KYCR	123,00 €
	AEM90-BD1704-D32-W32-L150-Z03	32	3	32	150	50	15.7	INSERT.	123,00 €
	AEM90-BD1704-D40-W32-L110-Z04-H	40	4	32	110	40	15.7		139,00 €
	AEM90-BD1704-D40-W32-L150-Z04	40	4	32	150	40	15.7		139,00 €
 90°	AEM90-ED1404-D20-W20-L150-Z02	20	2	20	150	50	14.5	EDPT 1404..	110,00 €
	AEM90-ED1404-D25-W25-L150-Z02	25	2	25	150	50	14.5	FOR KNMTL	121,00 €
								INSERT.	

END MILLS / WP - SCHAFTFRÄSER

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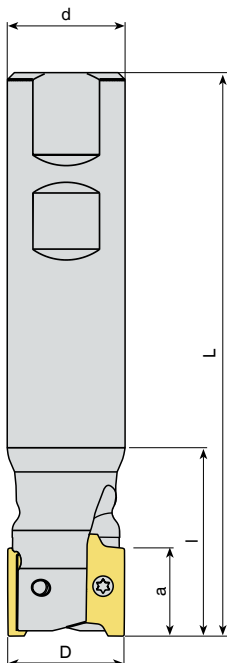
	CODE / TYP	TOOL DIMENSIONS (mm) Maß						CUTTING INSERT WENDE PLATTE	PRICE / PREIS
		D	Z	d	L	l	a		
 90°	AEM90-LN15T6-D25-W25-L150-Z02-H	25	2	25	150	50	15.5	LNGU 15T6..	121,00 €
	AEM90-LN15T6-D32-W32-L150-Z03-H	32	3	32	150	50	15.5	FOR KNMTL	139,00 €
	AEM90-LN15T6-D40-W32-L150-Z03-H	40	3	32	150	40	15.5	INSERT.	152,00 €
 90°	AEM90-R390.11-D16-W16-L100-Z02-H	16	2	16	100	30	10		89,00 €
	AEM90-R390.11-D16-W16-L150-Z02	16	2	16	150	50	10		89,00 €
	AEM90-R390.11-D16-W16-L150-Z02-H	16	2	16	150	50	10		104,00 €
	AEM90-R390.11-D20-W20-L090-Z02-H	20	2	20	90	30	10		85,00 €
	AEM90-R390.11-D20-W20-L100-Z03-H	20	3	20	100	30	10	R390-11T3..	104,00 €
	AEM90-R390.11-D20-W20-L150-Z03	20	3	20	150	50	10	FOR SNDVK	104,00 €
	AEM90-R390.11-D20-W20-L150-Z03-H	20	3	20	150	50	10	INSERT.	119,00 €
	AEM90-R390.11-D22-W20-L090-Z02-H	22	2	20	90	30	10		85,00 €
	AEM90-R390.11-D25-W25-L100-Z03-H	25	3	25	100	30	10		104,00 €
	AEM90-R390.11-D25-W25-L150-Z03	25	3	25	150	50	10		104,00 €
	AEM90-R390.11-D25-W25-L150-Z03-H	25	3	25	150	50	10		119,00 €
	AEM90-R390.11-D30-W25-L150-Z04-H	30	4	25	150	30	10		145,00 €
	AEM90-R390.11-D32-W32-L150-Z05-H	32	5	32	150	50	10		161,00 €
	AEM90-R390.17-D25-W25-L150-Z02	25	2	25	150	50	15.4	R390-1704..	104,00 €
	AEM90-R390.17-D25-W25-L150-Z02-H	25	2	25	150	50	15.4	FOR SNDVK	119,00 €
	AEM90-R390.17-D30-W25-L150-Z03	30	3	25	150	40	15.4	INSERT.	119,00 €
	AEM90-R390.17-D30-W25-L150-Z03-H	30	3	25	150	40	15.4		137,00 €

Cutting Calculation : P 82 / Schnittdatenberechnung : S 82

Ordering Example/Beispiel Bestellformular: 1 pcs. AEM90-LN15T6-D25-W25-L150-Z02-H



END MILLS / WP - SCHAFTFRÄSER

	CODE / TYP	TOOL DIMENSIONS (mm) Maß						CUTTING INSERT WENDE PLATTE	PRICE / PREIS
		D	Z	d	L	l	a		
  90°	AEM90-RT07-D10-W10-L120-Z02	10	2	10	120	30	7	RT 0702..	80,00 €
	AEM90-RT07-D12-W12-L120-Z02	12	2	12	120	30	7	FOR SFTY	80,00 €
	AEM90-RT07-D12-C12-L120-Z02	12	2	12	120	30	7	INSERT.	80,00 €
	AEM90-RT07-D14-W12-L120-Z02	14	2	12	120	30	7		80,00 €
	AEM90-RT10-D16-W16-L120-Z02-H	16	2	16	120	30	10		80,00 €
	AEM90-RT10-D16-W16-L150-Z02	16	2	16	150	50	10		80,00 €
	AEM90-RT10-D16-C15-L160-Z02	16	2	15	160	30	10		100,00 €
	AEM90-RT10-D16-C16-L200-Z02	16	2	16	200	100	10		119,00 €
	AEM90-RT10-D17-W16-L160-Z02	17	2	16	160	30	10		100,00 €
	AEM90-RT10-D18-W16-L120-Z02-H	18	2	16	120	30	10		80,00 €
	AEM90-RT10-D20-W20-L120-Z03-H	20	3	20	120	30	10		99,00 €
	AEM90-RT10-D20-W20-L150-Z03	20	3	20	150	50	10		99,00 €
	AEM90-RT10-D20-C19-L200-Z03	20	3	19	200	30	10		160,00 €
	AEM90-RT10-D20-C20-L200-Z03	20	3	20	200	100	10	RT 1003..	139,00 €
	AEM90-RT10-D21-W20-L200-Z03	21	3	20	200	30	10	FOR SFTY	166,00 €
	AEM90-RT10-D22-W20-L120-Z03-H	22	3	20	120	30	10	INSERT.	99,00 €
	AEM90-RT10-D22-C20-L150-Z03	22	3	20	150	30	10		99,00 €
	AEM90-RT10-D22-C20-L200-Z03	22	3	20	200	30	10		166,00 €
	AEM90-RT10-D25-W25-L120-Z04-H	25	4	25	120	40	10		109,00 €
	AEM90-RT10-D25-W25-L150-Z04	25	4	25	150	50	10		109,00 €
	AEM90-RT10-D25-C25-L200-Z04	25	4	25	200	100	10		149,00 €
	AEM90-RT10-D32-W32-L120-Z05-H	32	5	32	120	50	10		119,00 €
	AEM90-RT10-D32-W32-L150-Z05	32	5	32	150	50	10		119,00 €
	AEM90-RT10-D32-C32-L200-Z05	32	5	32	200	100	10		159,00 €
	AEM90-RT13-D32-C32-L250-Z04	32	4	32	250	50	13	RT 1304..	221,00 €
	AEM90-RT16-D25-W25-L120-Z02-H	25	2	25	120	40	16		99,00 €
	AEM90-RT16-D25-W25-L150-Z02	25	2	25	150	50	16		99,00 €
	AEM90-RT16-D25-C25-L200-Z02	25	2	25	200	100	16		139,00 €
	AEM90-RT16-D32-W32-L120-Z03-H	32	3	32	120	50	16		109,00 €
	AEM90-RT16-D32-W32-L150-Z03	32	3	32	150	50	16	RT 1606..	109,00 €
	AEM90-RT16-D32-C32-L200-Z03	32	3	32	200	100	16	FOR SFTY	149,00 €
	AEM90-RT16-D32-C32-L250-Z03	32	3	32	250	100	16	INSERT.	179,00 €
	AEM90-RT16-D32-C32-L270-Z03	32	3	32	270	100	16		188,00 €
	AEM90-RT16-D40-W32-L120-Z04-H	40	4	32	120	50	16		119,00 €
	AEM90-RT16-D40-W32-L150-Z04	40	4	32	150	50	16		119,00 €
	AEM90-RT16-D40-C32-L200-Z04	40	4	32	200	100	16		159,00 €
 90°	AEM90-SE09-D25-C25-L120-Z03-H	25	3	25	120	60	6.7	SEET 09T3..	100,00 €
	AEM90-SE09-D25-C25-L150-Z02	25	2	25	150	50	6.7	FOR ZCC	85,00 €
	AEM90-SE09-D32-C32-L120-Z04-H	32	4	32	120	60	6.7	INSERT.	116,00 €
	AEM90-SE09-D32-C32-L150-Z03	32	3	32	150	50	6.7		100,00 €

END MILLS / WP - SCHAFTFRÄSER

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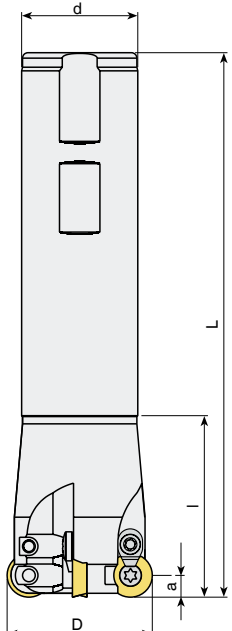
	CODE / TYP	TOOL DIMENSIONS (mm) Maß						CUTTING INSERT WENDE PLATTE	PRICE / PREIS
		D	Z	d	L	l	a		
 90°	AEM90-SPGT0602-D16-W16-L150-Z02	16	2	16	150	50	5.5	SPGT 0602..	117,00 €
	AEM90-SPGT07T3-D20-W20-L150-Z03	20	3	20	150	50	7	SPGT 07T3..	130,00 €
	AEM90-SPGT07T3-D25-W25-L150-Z03	25	3	25	150	50	7	FOR ZCC INSERT.	139,00 €
	AEM90-SPGT0904-D30-W32-L150-Z03	30	3	32	150	50	9	SPGT 00904..	143,00 €
								FOR ZCC INSERT.	
 90°	AEM90-XC13-D20-W20-L150-Z02	20	2	20	150	60	13	XCKX 13T3..	95,00 €
	AEM90-XC13-D25-W25-L150-Z03	25	3	25	150	60	13	FOR SC	99,00 €
	AEM90-XC13-D32-W32-L150-Z04	32	4	32	150	60	13	INSERT.	114,00 €
 90°	AEM90-XD11T3-D16-W16-L150-Z02	16	2	16	150	40	10		89,00 €
	AEM90-XD11T3-D17-C16-L150-Z02	17	2	16	150	30	10	XD.T 11T3..	89,00 €
	AEM90-XD11T3-D20-W20-L150-Z03	20	3	20	150	50	10	FOR CRTZT	104,00 €
	AEM90-XD11T3-D21-C20-L150-Z03	21	3	20	150	30	10	INSERT.	104,00 €
	AEM90-XD11T3-D25-W25-L150-Z04	25	4	25	150	50	10		118,00 €
	AEM90-XD11T3-D32-W32-L150-Z04	32	4	32	150	50	10		122,00 €
 90°	AEM90-X006-D10-C12-L120-Z02	10	2	12	120	50	5	XO.. 0602..	131,00 €
	AEM90-X006-D12-C12-L120-Z02	12	2	12	120	25	5	SC	131,00 €
	AEM90-X009-D16-W16-L150-Z02	16	2	16	150	50	8	XO.. 0903..	99,00 €
	AEM90-X009-D20-W20-L150-Z03	20	3	20	150	50	8	SC	112,00 €
	AEM90-X012-D20-W20-L150-Z02	20	2	20	150	50	11	XO.. 1204..	89,00 €
	AEM90-X012-D20-C20-L200-Z02	20	2	20	200	100	11	FOR SC	137,00 €
	AEM90-X012-D22-W20-L150-Z02	22	2	20	150	20	11	INSERT.	89,00 €
	AEM90-X012-D25-W25-L150-Z03	25	3	25	150	50	11		99,00 €
	AEM90-X012-D25-C25-L200-Z03	25	3	25	200	100	11		152,00 €
	AEM90-X012-D32-C25-L150-Z04	32	4	25	150	40	11		114,00 €
	AEM90-X012-D32-W32-L150-Z04	32	4	32	150	50	11		114,00 €
	AEM90-X012-D32-C32-L250-Z04	32	4	32	250	100	11		296,00 €

END MILLS / WP - SCHAFTFRÄSER

	CODE / TYP	TOOL DIMENSIONS (mm) <i>MAß</i>						CUTTING INSERT <i>WENDE PLATTE</i>	PRICE / PREIS
		D	Z	d	L	l	a		
	AEM90-ZC1003-D16-C14-L150-Z02	16	2	14	150	25	9		77,00 €
	AEM90-ZC1003-D16-C15-L150-Z02	16	2	15	150	25	9		77,00 €
	NEW AEM90-ZC1003-D16-C16-L150-Z02	16	2	16	150	25	9		77,00 €
	AEM90-ZC1003-D17-C16-L150-Z02	17	2	16	150	25	9		77,00 €
	AEM90-ZC1003-D17-C16-L200-Z02	17	2	16	200	25	9	ZCMT 100308R	116,00 €
	AEM90-ZC1003-D20-C18-L150-Z03	20	3	18	150	25	9	FOR DJT	89,00 €
	NEW AEM90-ZC1003-D20-C20-L150-Z03	20	3	20	150	40	9	INSERT.	89,00 €
	NEW AEM90-ZC1003-D20-C18-L200-Z03	20	3	18	200	25	9		135,00 €
	AEM90-ZC1003-D21-C20-L150-Z03	21	3	20	150	30	9		89,00 €
	AEM90-ZC1003-D21-C20-L200-Z03	21	3	20	200	30	9		140,00 €
	AEM90-ZC1003-D25-C20-L150-Z03	25	3	20	150	30	9		89,00 €
	NEW AEM90-ZC1003-D25-C25-L150-Z03	25	3	25	150	40	9		89,00 €
	AEM90-ZC1003-D26-C25-L170-Z03	26	3	25	170	25	9		101,00 €
	NEW AEM90-ZC1003-D26-C25-L200-Z03	26	3	25	200	25	9		135,00 €
	AEM90-ZC1003-D32-C25-L180-Z04	32	4	25	180	30	9		146,00 €
	AEM90-ZC1003-D33-C32-L200-Z04	33	4	32	200	25	9		152,00 €
	AEM90-ZP13T3-D26-C25-L200-Z02	26	2	25	200	35	13	ZPMT 13T3..	128,00 €
	AEM90-ZP13T3-D26-C25-L200-Z03	26	3	25	200	35	13	FOR DJT	135,00 €
	AEM90-ZP13T3-D26-C25-L250-Z02	26	2	25	250	35	13	INSERT.	180,00 €
	AEM90-ZP13T3-D33-C32-L200-Z03	33	3	32	200	40	13		152,00 €
	AEM90-ZP13T3-D33-C32-L250-Z03	33	3	32	250	40	13		201,00 €
	AEM90-3P1004-D20-W20-L150-Z02	20	2	20	150	70	7	3P.T 100408	106,00 €
	AEM90-3P1004-D25-W25-L150-Z03	25	3	25	150	50	7	TGTC	122,00 €
	AEM90-3P1505-D32-W32-L150-Z03	32	3	32	150	50	11	3P.T 150508	127,00 €
	AEM90-3P1505-D40-W32-L150-Z04	40	4	32	150	35	11	FOR TGTC	143,00 €
								INSERT.	

S - SYSTEM FACE AND COPY END MILLS / S-SYSTEM KOPIER - UND SCHAFTFRÄSER

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	CODE / TYP	TOOL DIMENSIONS (mm) Maß					CUTTING INSERT WENDE PLATTE	PRICE / PREIS
		D	Z	d	L	I		
 	AEMR-RD0501-D08-W10-L100-Z01-H	8	1	10	100	20		91,00 €
	AEMR-RD0501-D10-W12-L100-Z02-H	10	2	12	100	20	RD.. 0501	104,00 €
	AEMR-RD0501-D12-W12-L120-Z02-H	12	2	12	120	20		104,00 €
	AEMR-RD0803-D16-W16-L150-Z02	16	2	16	150	60	RD.. 0803	82,00 €
	AEMR-RD0803-D16-C20-L200-Z02	16	2	20	200	60	ISO	128,00 €
	AEMR-RD08T2-D16-W16-L150-Z02	16	2	16	150	60	RD.. 08T2	82,00 €
	AEMR-RD08T2-D20-W20-L150-Z02	20	2	20	150	60	ISO	101,00 €
	AEMRC-RD1003-D20-W20-L150-Z02	20	2	20	150	60		101,00 €
	AEMRC-RD1003-D20-C20-L160-Z02	20	2	20	160	70		109,00 €
	AEMRC-RD1003-D20-C20-L250-Z02	20	2	20	250	150		183,00 €
	NEW AEMRC-RD1003-D21-C20-L160-Z02	21	2	20	160	70		109,00 €
	AEMRC-RD1003-D25-W25-L150-Z02	25	2	25	150	60		101,00 €
	AEMRC-RD1003-D25-C25-L160-Z02	25	2	25	160	70		109,00 €
	AEMRC-RD1003-D25-W25-L200-Z02	25	2	25	200	100		137,00 €
	AEMRC-RD1003-D25-C25-L200-Z02	25	2	25	200	100	RD.. 1003	137,00 €
	AEMRC-RD1003-D25-C25-L250-Z02	25	2	25	250	150	ISO	183,00 €
	NEW AEMRC-RD1003-D26-C25-L160-Z02	26	2	25	160	70		109,00 €
	AEMRC-RD1003-D32-W32-L150-Z03	32	3	32	150	60		114,00 €
	AEMRC-RD1003-D32-C32-L250-Z02	32	2	32	250	150		192,00 €
	NEW AEMRC-RD1003-D33-C32-L160-Z03	33	3	32	160	70		123,00 €
	AEMRC-RD1003-D40-W32-L150-Z04	40	4	32	150	35		128,00 €
	AEMRC-RD1003-D40-C32-L250-Z02	40	2	32	250	35		201,00 €
	AEMRC-RD10T3-D20-W20-L150-Z02	20	2	20	150	60	RD.. 10T3	101,00 €
	AEMRC-RD10T3-D25-W25-L150-Z02	25	2	25	150	60	ISO	101,00 €
	AEMRC-RD10T3-D32-W32-L150-Z03	32	3	32	150	60		114,00 €
	AEMRC-RD1204-D32-C32-L160-Z03	32	3	32	160	70	RD.. 1204	123,00 €
	AEMRC-RD1204-D32-W32-L160-Z03	32	3	32	160	50	ISO	123,00 €
	NEW AEMRC-RD1204-D33-C32-L160-Z03	33	3	32	160	70		123,00 €
	AEMRC-RD12T3-D25-W25-L150-Z02	25	2	25	150	60		101,00 €
	AEMRC-RD12T3-D25-W25-L200-Z02	25	2	25	200	100		137,00 €
	AEMRC-RD12T3-D25-C25-L250-Z02	25	2	25	250	150		183,00 €
	AEMRC-RD12T3-D32-W32-L150-Z03	32	3	32	150	60	RD.. 12T3	114,00 €
	AEMRC-RD12T3-D32-C32-L250-Z02	32	2	32	250	150	ISO	192,00 €
	AEMRC-RD12T3-D40-W32-L150-Z04	40	4	32	150	50		128,00 €
	AEMRC-RD12T3-D40-C32-L250-Z02	40	2	32	250	50		201,00 €
	AEMRC-RD1604-D40-W32-L150-Z02	40	2	32	150	35	RD.. 1604	119,00 €
							ISO	
 	AEMR-RP10T3-D25-W25-L150-Z02	25	2	25	150	60	RPNX 10T3..	114,00 €
	AEMR-RP10T3-D32-W32-L150-Z03	32	3	32	150	60	FOR CRTZT INSERT.	129,00 €

S - SYSTEM FACE AND COPY END MILLS / S-SYSTEM KOPIER - UND SCHAFTFRÄSER

	CODE / TYP	TOOL DIMENSIONS (mm) MAß					CUTTING INSERT WENDE PLATTE	PRICE / PREIS
		D	Z	d	L	I		
	AEMR-QP10T3-D20-C20-L150-Z01-H	20	1	20	150	70	QP.. 10T3..	131,00 €
	AEMR-QP10T3-D25-C25-L150-Z02-H	25	2	25	150	70	FOR SMTM	153,00 €
	AEMR-QP10T3-D32-C32-L150-Z03-H	32	3	32	150	70	INSERT.	175,00 €
	AEMR-QP10T3-D25-C25-L170-Z02	25	2	25	170	90		144,00 €
	AEMR-QP10T3-D32-C32-L170-Z03	32	3	32	170	90		155,00 €
	AEMR-QP1204-D25-C25-L150-Z02-H	25	2	25	150	70	QP.. 1204..	153,00 €
							FOR SMTM INSERT.	

S - SYSTEM HIGHFEED END MILLS / S - SYSTEM HOCHGESCHWINDIGKEITS

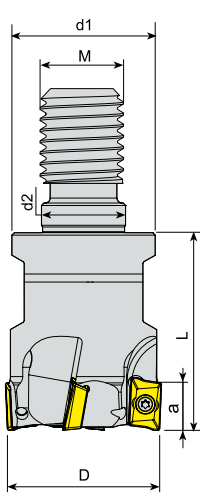
	CODE / TYP	TOOL DIMENSIONS (mm) MAß					CUTTING INSERT WENDE PLATTE	PRICE / PREIS
		D	Z	d	L	I		
	AHFM-BL0603-D17-W16-L170-Z02	17	2	16	170	20	BLMP 0603..	118,00 €
	AHFM-BL0603-D21-W20-L200-Z03	21	3	20	200	25	FOR TGTC	198,00 €
	AHFM-BL0603-D26-W25-L200-Z04	26	4	25	200	35	INSERT.	217,00 €
	AHFM-E00602-D10-C10-L080-Z02	10	2	10	80	20		98,00 €
	AHFM-E00602-D10-C09-L120-Z02	10	2	9	120	15		98,00 €
	AHFM-E00602-D10-C10-L120-Z02	10	2	10	120	60		98,00 €
	AHFM-E00602-D12-C12-L080-Z03	12	3	12	80	20	EOMW 060210	110,00 €
	AHFM-E00602-D12-C11-L120-Z02	12	2	11	120	15	FOR DJT	98,00 €
	AHFM-E00602-D12-C11-L120-Z03	12	3	11	120	15	INSERT.	110,00 €
	AHFM-E00602-D12-C12-L120-Z03	12	3	12	120	60		110,00 €
	AHFM-E00602-D16-C16-L150-Z04	16	4	16	150	60		123,00 €
	AHFMC-SD09T3-D25-C25-L150-Z02	25	2	25	150	100	SD.. 09T3...	115,00 €
	AHFMC-SD09T3-D25-W25-L150-Z02	25	2	25	150	100	FOR ZCC	115,00 €
	AHFMC-SD09T3-D32-C32-L150-Z03	32	3	32	150	100	INSERT.	132,00 €
	AHFMC-SD09T3-D32-W32-L150-Z03	32	3	32	150	100		132,00 €
	AHFM-WD0503D-D20-C20-L150-Z02	20	2	20	150	50	WDMT 0503..	93,00 €
	AHFM-WD0503D-D21-C20-L150-Z02	21	2	20	150	30	DJT	115,00 €
	AHFMC-WD06T3D-D26-C25-L200-Z02	26	2	25	200	30	WDHW 06T3..	152,00 €
	NEW AHFMC-WD06T3D-D33-C32-L200-Z03	33	3	32	200	32	FOR DJT	175,00 €
							INSERT.	
	AHFM-WD0603-D20-C20-L150-Z03	20	3	20	150	70	WDMT 0603..	210,00 €
	AHFMC-WD0804-D25-C25-L150-Z02	25	2	25	150	70	WDMT 0804..	151,00 €
	AHFMC-WD0804-D32-C32-L150-Z03	32	3	32	150	70	SMTM	179,00 €
	AHFMC-WD1205-D32-C32-L150-Z02	32	2	32	150	70	WDMT 1205..	152,00 €
							FOR SMTM INSERT.	

S - SYSTEM HIGHFEED END MILLS / S - SYSTEM HOCHGESCHWINDIGKEITS

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	CODE / TYP	TOOL DIMENSIONS (mm) Maß					CUTTING INSERT WENDE PLATTE	PRICE / PREIS
		D	Z	d	L	I		
	AHFM-WN09T3-D25-W25-L120-Z02-H	25	2	25	120	40	WNMX 09T3..	135,00 €
	AHFML-WN09T3-D25-W25-L120-Z02-H	25	2	25	120	40	FOR KRLY	135,00 €
	AHFM-WN09T3-D30-W25-L120-Z03-H	30	3	25	120	30	INSERT.	153,00 €
	AHFM-WN09T3-D40-W32-L120-Z04-H	40	4	32	120	30		171,00 €
	AHFM-WN09T3-D25-C25-L200-Z02	25	2	25	200	120		198,00 €
	AHFM-WN09T3-D40-C32-L200-Z04	40	4	32	200	30		225,00 €
	AHFM-W004T2D-D16-C16-L150-Z02	16	2	16	150	20	WOMW 04T2..	96,00 €
	AHFM-W004T2D-D17-C16-L150-Z02	17	2	16	150	20	FOR DJT	100,00 €
							INSERT.	

MODULAR END MILLS (SCREW TYPE TOOLS) / EINSCHRAUBFRÄSER

	CODE / TYP	TOOL DIMENSIONS (mm) Maß						CUTTING INSERT WENDE PLATTE	PRICE / PREIS
		D	Z	d1	M	L	d2		
  90°	AEM90-AP10-D16-M08-L30-Z02-H	16	2	14.75	M08	30	8.5		89,00 €
	AEM90-AP10-D20-M10-L30-Z03-H	20	3	18	M10	30	10.5		105,00 €
	AEM90-AP10-D25-M12-L35-Z03-H	25	3	21	M12	35	12.5	AP.. 1003..	110,00 €
	AEM90-AP10-D32-M16-L35-Z04-H	32	4	29	M16	35	17	FOR ISO	126,00 €
	AEM90-AP10-D40-M16-L43-Z05-H	40	5	29	M16	43	17	INSERT.	147,00 €
	AEM90-AP10-D42-M16-L43-Z05-H	42	5	29	M16	43	17		147,00 €
	AEM90-AP10D-D16-M08-L30-Z02-H	16	2	14.75	M08	30	8.5	AP.. 1003..	89,00 €
	AEM90-AP10D-D20-M10-L30-Z03-H	20	3	18	M10	30	10.5	FOR DJT	105,00 €
	AEM90-AP10D-D25-M12-L35-Z03-H	25	3	21	M12	35	12.5	INSERT.	110,00 €
	AEM90-AP11-D16-M08-L30-Z02-H	16	2	14.75	M08	30	8.5	AP.. 11T3..	89,00 €
	AEM90-AP11-D20-M10-L30-Z03-H	20	3	18	M10	30	10.5	FOR KRLY-ZCC	105,00 €
	NEW AEM90-AP11-D25-M12-L35-Z03-H	25	3	21	M12	35	12.5	INSERT.	110,00 €
	NEW AEM90-AP11-D32-M16-L35-Z04-H	32	4	29	M16	35	17		126,00 €
	AEM90-AP16-D25-M12-L43-Z02-H	25	2	21	M12	43	12.5	AP.. 1604..	110,00 €
	AEM90-AP16-D32-M16-L43-Z03-H	32	3	29	M16	43	17	FOR ISO	126,00 €
	AEM90-AP16-D40-M16-L43-Z04-H	40	4	29	M16	43	17	INSERT.	147,00 €
	AEM90-AP16-D42-M16-L43-Z04	42	4	29	M16	43	17		147,00 €
	AEM90-AP16D-D25-M12-L43-Z02-H	25	2	21	M12	43	12.5	AP.. 1604..	110,00 €
	AEM90-AP16D-D32-M16-L43-Z03-H	32	3	29	M16	43	17	FOR DJT	126,00 €
	AEM90-AP16D-D40-M16-L43-Z04-H	40	4	29	M16	43	17	INSERT.	147,00 €
	AEM90-AP16L-D25-M12-L43-Z02-H	25	2	21	M12	43	12.5	AP.. 1604..	110,00 €
	AEM90-AP16L-D32-M16-L43-Z03-H	32	3	29	M16	43	17	FOR LMNA	126,00 €
	AEM90-AP16L-D40-M16-L43-Z04-H	40	4	29	M16	43	17	INSERT.	147,00 €
	AEM90-AD1505D-D25-M12-L43-Z02-H	25	2	21	M12	43	12.5	ADKT 150508	129,00 €
	AEM90-AD1505D-D32-M16-L43-Z03-H	32	3	29	M16	43	17	FOR DJT	141,00 €
								INSERT.	

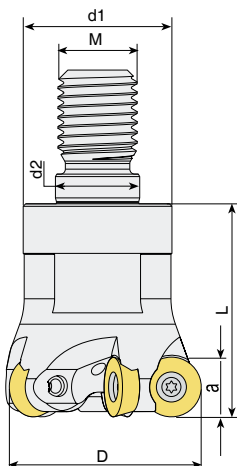
MODULAR END MILLS (SCREW TYPE TOOLS) / EINSCHRAUBFRÄSER

	CODE / TYP	TOOL DIMENSIONS (mm) MAB						CUTTING INSERT WENDE PLATTE	PRICE / PREIS
		D	Z	d ₁	M	L	d ₂		
 90°	AEM90-AX1235-D16-M08-L30-Z02-H	16	2	14.75	M08	30	8.5	AX.T 1235..	116,00 €
	AEM90-AX1235-D20-M10-L30-Z03-H	20	3	18	M10	30	10.5	FOR SMTM	132,00 €
	AEM90-AX1235-D25-M12-L35-Z04-H	25	4	21	M12	35	12.5	INSERT.	155,00 €
	AEM90-AX1705-D25-M12-L43-Z02-H	25	2	21	M12	43	12.5	AX.T 1705..	139,00 €
	AEM90-AX1705-D32-M16-L43-Z02-H	32	2	29	M16	43	17	FOR SMTM	151,00 €
 90°	AEM90-R390.11-D16-M08-L30-Z02-H	16	2	14.75	M08	30	8.5	R390-11T3..	110,00 €
	AEM90-R390.11-D20-M10-L30-Z03-H	20	3	18	M10	30	10.5	FOR SNDVK	126,00 €
	AEM90-R390.11-D25-M12-L35-Z03-H	25	3	21	M12	35	12.5	INSERT.	132,00 €
	AEM90-R390.11-D32-M16-L43-Z04-H	32	4	29	M16	43	17		143,00 €
 90°	AEM90-RT10-D16-M08-L20-Z02-H	16	2	14.75	M08	20	8.5	RT 1003..	108,00 €
	AEM90-RT10-D20-M10-L25-Z03-H	20	3	18	M10	25	10.5	FOR SFTY	123,00 €
	AEM90-RT10-D25-M12-L30-Z04-H	25	4	21	M12	30	12.5	INSERT.	126,00 €
	AEM90-RT10-D32-M16-L43-Z05-H	32	5	29	M16	43	17		142,00 €
	AEM90-RT10-D42-M16-L43-Z06-H	42	6	29	M16	43	17		163,00 €
 -°	AEMR-RC10T3-D25-M12-L35-Z03-H	25	3	21	M12	35	12.5	RC.. 10T3..	131,00 €
	AEMR-RC10T3-D32-M16-L43-Z04-H	32	4	29	M16	43	17	FOR ZCC	145,00 €
	AEMR-RC10T3-D40-M16-L43-Z05-H	40	5	29	M16	43	17	INSERT.	161,00 €
 -°	AEMR-RP08T2M-D20-M10-L30-Z02-H	20	2	18	M10	30	10.5	RPMT 08T2..	121,00 €
	AEMR-RP10T3M-D25-M12-L35-Z02-H	25	2	21	M12	35	12.5	RPMT 10T3..	125,00 €
	AEMR-RP1204M-D32-M16-L43-Z03-H	32	3	29	M16	43	17	RPMT 1204..	141,00 €
	AEMR-RP1204M-D40-M16-L43-Z04-H	40	4	29	M16	43	17	FOR MTSBSH	161,00 €
								INSERT.	

MODULAR END MILLS (SCREW TYPE TOOLS) / EINSCHRAUBFRÄSER

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	CODE / TYP	TOOL DIMENSIONS (mm) MAB						CUTTING INSERT WENDE PLATTE	PRICE / PREIS
		D	Z	d ₁	M	L	d ₂		
	AEMR-RP10T3-D25-M12-L35-Z02-H	25	2	21	M12	35	12.5	RPNX 10T3..	136,00 €
	AEMR-RP10T3-D32-M16-L43-Z03-H	32	3	29	M16	43	17	FOR CRTZT INSERT.	151,00 €
	AEMR-QP10T3-D25-M12-L35-Z02-H	25	2	21	M12	35	12.5	QP.. 10T3..	151,00 €
	AEMR-QP10T3-D32-M16-L43-Z03-H	32	3	29	M16	43	17	FOR SMTM INSERT.	167,00 €
 	AEMR-RD0702-D15-M08-L23-Z02-H	15	2	13	M08	23	8.5		89,00 €
	AEMR-RD0702-D16-M08-L23-Z02-H	16	2	13	M08	23	8.5		89,00 €
	AEMR-RD0702-D20-M10-L30-Z04-H	20	4	18	M10	30	10.5		110,00 €
	AEMR-RD0702-D25-M12-L35-Z05-H	25	5	21	M12	35	12.5	RD.. 0702	126,00 €
	AEMR-RD0702-D30-M16-L42-Z05-H	30	5	29	M16	42	17	ISO	137,00 €
	AEMR-RD0702-D32-M16-L43-Z05-H	32	5	29	M16	43	17		137,00 €
	AEMR-RD0702-D35-M16-L42-Z06-H	35	6	29	M16	42	17		147,00 €
	AEMR-RD0702-D42-M16-L43-Z05-H	42	5	29	M16	43	17		151,00 €
	AEMR-RD0702-D42-M16-L43-Z07-H	42	7	29	M16	43	17		170,00 €
	AEMR-RD08T2-D16-M08-L23-Z02-H	16	2	13	M08	23	8.5	RD.. 08T2	106,00 €
	AEMR-RD08T2-D20-M10-L30-Z03-H	20	3	18	M10	30	10.5	ISO	120,00 €
	AEMR-RD08T2-D25-M12-L35-Z04-H	25	4	21	M12	35	12.5		133,00 €
	AEMR-RD0803-D16-M08-L23-Z02-H	16	2	13	M08	23	8.5	RD.. 0803	106,00 €
	AEMR-RD0803-D20-M10-L30-Z03-H	20	3	18	M10	30	10.5	ISO	120,00 €
	AEMR-RD0803-D25-M12-L35-Z04-H	25	4	21	M12	35	12.5		133,00 €
	AEMR-RD1003-D20-M10-L30-Z02-H	20	2	18	M10	30	10.5		95,00 €
	AEMR-RD1003-D25-M12-L35-Z02-H	25	2	21	M12	35	12.5		105,00 €
	AEMR-RD1003-D25-M12-L35-Z03-H	25	3	21	M12	35	12.5		110,00 €
	AEMR-RD1003-D30-M16-L43-Z04-H	30	4	29	M16	43	17	RD.. 1003	126,00 €
	AEMR-RD1003-D32-M16-L43-Z04-H	32	4	29	M16	43	17	ISO	126,00 €
	AEMR-RD1003-D35-M16-L43-Z04-H	35	4	29	M16	43	17		131,00 €
	AEMR-RD1003-D40-M16-L43-Z05-H	40	5	29	M16	43	17		147,00 €
	AEMR-RD1003-D42-M16-L43-Z05-H	42	5	29	M16	43	17		147,00 €
	AEMR-RD12T3-D24-M12-L35-Z02-H	24	2	21	M12	35	12.5		105,00 €
	AEMR-RD12T3-D25-M12-L35-Z02-H	25	2	21	M12	35	12.5		105,00 €
	AEMR-RD12T3-D32-M16-L43-Z03-H	32	3	29	M16	43	17		126,00 €
	AEMR-RD12T3-D35-M16-L43-Z03-H	35	3	29	M16	43	17	RD.. 12T3	131,00 €
	AEMR-RD12T3-D35-M16-L43-Z04-H	35	4	29	M16	43	17	ISO	147,00 €
	AEMR-RD12T3-D40-M16-L43-Z04-H	40	4	29	M16	43	17		147,00 €
	AEMR-RD12T3-D42-M16-L43-Z05-H	42	5	29	M16	43	17		163,00 €
	AEMR-RD1204-D32-M16-L43-Z03-H	32	3	29	M16	43	17	RD.. 1204	126,00 €
	AEMR-RD1204-D42-M16-L43-Z04-H	42	4	29	M16	43	17	ISO	147,00 €
	AEMR-RD1604-D32-M16-L43-Z02-H	32	2	29	M16	43	17	RD.. 1604	142,00 €
	AEMR-RD1604-D40-M16-L43-Z02-H	40	2	29	M16	43	17	ISO	147,00 €
	AEMR-RD1604-D42-M16-L43-Z03-H	42	3	29	M16	43	17		163,00 €



S - SYSTEM MODULAR (SCREW TYPE) HIGHFEED END MILLS / SYSTEM HOCHGESCHWINDIGKEITS - EINSCHRAUBFRÄSER

	CODE / TYP	TOOL DIMENSIONS (mm) MAB						CUTTING INSERT WENDE PLATTE	PRICE / PREIS
		D	Z	d ₁	M	L	d ₂		
 -°	AHFM-BL0603-D32-M16-L40-Z05-H	32	5	29	M16	40	17	BLMP 0603	210,00 €
	AHFM-BL0904-D42-M16-L43-Z05-H	42	5	29	M16	43	17	BLMP 0904	161,00 €
								FOR TGTC	
								INSERT.	
 -°	AHFM-ED0702-D12-M06-L20-Z03	12	3	10	M06	20	6.5	EDMT 0702	124,00 €
	AHFM-ED0702-D16-M08-L25-Z04-H	16	4	14.75	M08	25	8.5	JDMT 070204	143,00 €
	AHFM-ED0702-D20-M10-L30-Z05-H	20	5	18	M10	30	10.5	FOR HTCH	163,00 €
	AHFM-ED0702-D25-M12-L30-Z06-H	25	6	21	M12	30	12.5	INSERT.	186,00 €
	AHFM-ED0702-D32-M16-L30-Z08-H	32	8	29	M16	30	17		225,00 €
 -°	AHFMC-SD09T3-D25-M12-L30-Z02-H	25	2	22	M12	30	12.5	SD.. 09T3..	140,00 €
	AHFMC-SD09T3-D32-M16-L43-Z03-H	32	3	29	M16	43	17	FOR ZCC	178,00 €
	AHFMC-SD09T3-D35-M16-L43-Z03-H	35	3	29	M16	43	17	INSERT.	178,00 €
	AHFMC-SD09T3-D40-M16-L43-Z04-H	40	4	29	M16	43	17		194,00 €
	AHFMC-SD1204-D32-M16-L43-Z02-H	32	2	29	M16	43	17	SD.. 1204..	148,00 €
	AHFMC-SD1204-D40-M16-L43-Z03-H	40	3	29	M16	43	17	FOR ZCC	172,00 €
 -°	AHFMC-WD0804-D25-M12-L35-Z02-H	25	2	21	M12	35	12.5	WDMT 0804..	167,00 €
	AHFMC-WD0804-D32-M16-L35-Z03-H	32	3	29	M16	35	17	FOR SMTM	196,00 €
								INSERT.	
 -°	AHFM-WD0503D-D20-M10-L30-Z02-H	20	2	18	M10	30	10.5	WDMT 0503..	140,00 €
	AHFM-WD0503D-D25-M12-L35-Z03-H	25	3	21	M12	35	12.5	FOR DJT	156,00 €
	AHFM-WD0503D-D32-M16-L43-Z04-H	32	4	29	M16	43	17	INSERT.	178,00 €
	AHFM-WD0503D-D40-M16-L43-Z05-H	40	5	29	M16	43	17		186,00 €
	AHFMC-WD06T3D-D35-M16-L43-Z03-H	35	3	29	M16	43	17	WDHW 06T3..	172,00 €
								FOR DJT	
 -°	AHFM-WN09T3-D32-M16-L40-Z03-H	32	3	29	M16	40	17	WNMX 09T3..	135,00 €
	AHFM-WN09T3-D40-M16-L40-Z04-H	40	4	29	M16	40	17	FOR KRLY	152,00 €
								INSERT.	

PROFILE MILLING TOOLS / KUGEL - KOPIERFRÄSER

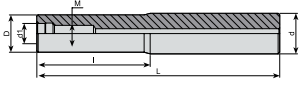
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	CODE / TYP	CUTTING INSERT WENDE PLATTE	PRICE / PREIS
	APMR-P3208-D08-C10-L110	P3208 - WLTR	120,00 €
	APMR-P3210-D10-C10-L130	P3210 - WLTR	120,00 €
	APMR-P3210-D10-C12-L130	P3210 - WLTR	120,00 €
	APMR-P3212-D12-C12-L130	P3212 - WLTR	120,00 €
	APMR-P3216-D16-C16-L175	P3216 - WLTR	110,00 €
	APMR-P3220-D20-C20-L200	P3220 - WLTR	120,00 €
	APMR-P3225-D25-C25-L200	P3225 - WLTR	129,00 €
	APMR-P3232-D32-C32-L200	P3232 - WLTR	133,00 €
		FOR WLTR INSERT.	
	APMR-R012-D12-C12-L120	ROHX 1203	106,00 €
	APMR-R012-D12-C16-L160	ZCC	110,00 €
	APMR-R016-D16-C16-L160	ROHX 1604	110,00 €
	NEW APMR-R016-D16-C16-L200	FOR ZCC	120,00 €
	APMR-R016-D16-C20-L200	INSERT.	120,00 €
	APMR-R020-D20-C20-L160	ROHX 2005	114,00 €
	NEW APMR-R020-D20-C20-L200	FOR ZCC	127,00 €
	APMR-R020-D20-C25-L220	INSERT.	133,00 €

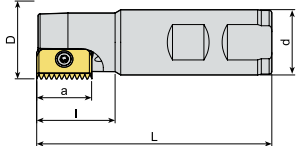
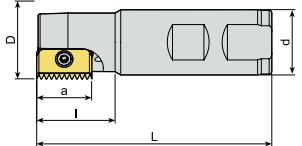
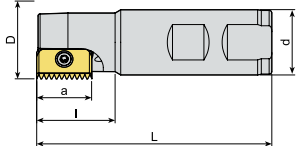
BALL NOSE MODULAR (SCREW TYPE) END MILLS / EINSCHRAUB - KUGELFRÄSER

	CODE / TYP	CUTTING INSERT WENDE PLATTE	PRICE / PREIS
	APMR-P3216-D16-M08-L25	P3216 - WLTR	125,00 €
	APMR-P3220-D20-M10-L30	P3220 - WLTR	131,00 €
	APMR-P3225-D25-M12-L35	P3225 - WLTR	141,00 €
	NEW APMR-P3232-D32-M16-L43	P3232 - WLTR	146,00 €
		FOR WLTR INSERT.	
	APMR-XP16-D16-M08-L25	XPHT 16R0803	135,00 €
	APMR-XP20-D20-M10-L30	XPHT 20R10T3	144,00 €
	APMR-XP25-D25-M12-L40	XPHT 25R1204	153,00 €
		FOR ZCC INSERT.	
	APMR-SWB225-D25-M12-L35	SWB225HM-HS	167,00 €
	APMR-SWB232-D32-M16-L43	SWB232HM-HS	172,00 €
		FOR DJT INSERT.	

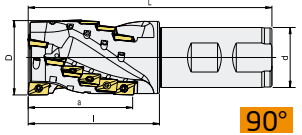
SCREWED TOOL HOLDERS / AUFNAHME FÜR EINSCHRAUBFRÄSER

	CODE / TYP	TOOL DIMENSIONS (mm) MAß						PRICE / PREIS
		d	M	d ₁	D	L	I	
 	AVTT-D13-C16-M08-L100-H	16	8	8.5	13	100	40	100,00 €
	AVTT-D15-C16-M08-L130-H	16	8	8.5	15	130	70	110,00 €
	AVTT-D18-C20-M10-L130-H	20	10	10.5	18	130	70	110,00 €
	AVTT-D18-C20-M10-L160-H	20	10	10.5	18	160	80	121,00 €
	AVTT-D23-C25-M12-L150-H	25	12	12.5	23	150	70	131,00 €
	AVTT-D23-C25-M12-L200-H	25	12	12.5	23	200	100	171,00 €
	AVTT-D23-C25-M12-L250-H	25	12	12.5	23	250	150	205,00 €
	AVTT-D30-C32-M16-L150-H	32	16	17	30	150	70	135,00 €
	AVTT-D30-C32-M16-L200-H	32	16	17	30	200	100	175,00 €
	AVTT-D30-C32-M16-L250-H	32	16	17	30	250	150	211,00 €
	AVTT-D30-C32-M16-L300-H	32	16	17	30	300	200	236,00 €

THREAD MILLING TOOLS / GEWINDEFÄHRSWERKZEUGE

	CODE / TYP	TOOL DIMENSIONS (mm) MAß						CUTTING INSERT WENDE PLATTE	PRICE / PREIS
		D	Z	d	L	I	a		
 	ATM-C14-D14-W20-L100-Z01-H	14	1	20	100	25	14	C14	100,00 €
	ATM-C21-D18-W20-L100-Z01-H	18	1	20	100	30	21	C21	121,00 €
	ATM-C21-D25-W20-L125-Z01-H	25	1	20	125	30	21	FOR CPT	131,00 €
	ATM-C21-D28-W25-L90-Z01-H	28	1	25	90	30	21	INSERT.	165,00 €
	ATM-C21-D38-W32-L120-Z03-H	38	3	32	120	30	21		181,00 €
	ATM-C21-D43-W32-L90-Z03-H	43	3	32	90	30	21		195,00 €
	ATM-C30-D29-W25-L150-Z01-H	29	1	25	150	50	30	C30	190,00 €
 								FOR CPT	
								INSERT.	
 	ATM-H23-D23-C25-L100-Z02-H	23	2	25	100	30	27	H23	215,00 €
	ATM-H32-D32-C32-L130-Z05-H	32	5	32	130	35	32	H32	250,00 €
								FOR CPT	
								INSERT.	

HELIX END MILL / WP - IGELEFRÄSER

	CODE / TYP	TOOL DIMENSIONS (mm) MAß						CUTTING INSERT WENDE PLATTE	PRICE / PREIS
		D	z	d	a	I	L		
 	NEW AHM90-AP10-D20-W20-L087-Z04	20	4	20	28	37	87		270,00 €
	AHM90-AP10-D20-W20-L087-Z0206-H	20	2	20	28	37	87	AP.. 1003..	300,00 €
	AHM90-AP10-D25-W25-L105-Z0208-H	25	2	25	37	47	105	ISO	360,00 €
	AHM90-AP10-D32-W32-L115-Z0315-H	32	3	32	46	55	115		485,00 €
	AHM90-AP10-D40-W32-L130-Z0318-H	40	3	32	55	64	130		550,00 €

FACE MILLING TOOLS / PLAN UND ECKMESSERKÖPFE

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	CODE / TYP	TOOL DIMENSIONS (mm) MAB					CUTTING INSERT WENDE PLATTE	PRICE / PREIS
		D	z	d	L	a		
 43°	AFM43-OD0504-D040-A16-Z04-H	40	4	16	40	3.5		100,00 €
	AFM43-OD0504-D050-A22-Z05-H	50	5	22	40	3.5	OD.. 0504..	120,00 €
	AFM43-OD0504-D063-A22-Z06-H	63	6	22	40	3.5	FOR WLTR	140,00 €
	AFM43-OD0504-D080-A27-Z07-H	80	7	27	50	3.5	INSERT.	160,00 €
	AFM43-OD0504-D100-A32-Z08-H	100	8	32	50	3.5		201,00 €
 43°	AFM43C-OD0605-D080-A27-Z06-H	80	6	27	50	4	OD.. 0605..	217,00 €
	AFM43C-OD0605-D100-A32-Z07-H	100	7	32	50	4	FOR WLTR-LMNA	243,00 €
	AFM43C-OD0605-D125-B40-Z08	125	8	40	63	4	INSERT.	320,00 €
 43°	AFM43-OF05T3-D050-A22-Z05-H	50	5	22	40	3	OF.. 05T3..	135,00 €
	AFM43-OF05T3-D063-A22-Z06-H	63	6	22	40	3	ISO	155,00 €
	AFM43-OF05T3-D080-A27-Z07-H	80	7	27	50	3		175,00 €
	AFM43-OF05T3-D125-B40-Z09	125	9	40	63	3		355,00 €
 43°	AFM43-ON0604-D050-A22-Z05-H	50	5	22	40	4		141,00 €
	AFM43-ON0604-D063-A22-Z06-H	63	6	22	40	4	ON.. 0604..	165,00 €
	AFM43-ON0604-D080-A27-Z07-H	80	7	27	50	4	FOR ZCC	191,00 €
	AFM43-ON0604-D100-A32-Z08-H	100	8	32	50	4	INSERT.	240,00 €
	AFM43-ON0604-D125-B40-Z09	125	9	40	63	4		320,00 €
 45°	AFM45-HN0905-D050-A22-Z05-H	50	5	22	40	4.5	HN.. 0905..	184,00 €
	AFM45-HN0905-D063-A22-Z06-H	63	6	22	40	4.5	FOR WDA	207,00 €
	AFM45-HN0905-D080-A27-Z07-H	80	7	27	50	4.5	INSERT.	236,00 €

FACE MILLING TOOLS / PLAN UND ECKMESSERKÖPFE

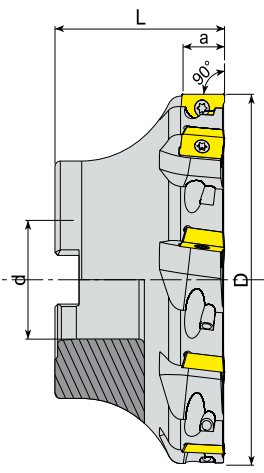
	CODE / TYP	TOOL DIMENSIONS (mm) <i>MAß</i>					CUTTING INSERT WENDE PLATTE	PRICE / PREIS
		D	z	d	L	a		
 45°	AFM45-SE12-D050-A22-Z04-H	50	4	22	40	6		120,00 €
	AFM45L-SE12-D050-A22-Z04-H	50	4	22	40	6	SE.. 12T3..	120,00 €
	AFM45-SE12-D063-A22-Z05-H	63	5	22	40	6	FOR ZCC	140,00 €
	AFM45L-SE12-D063-A22-Z05-H	63	5	22	40	6	INSERT.	140,00 €
	AFM45-SE12-D080-A27-Z06-H	80	6	27	50	6		160,00 €
	AFM45L-SE12-D080-A27-Z06-H	80	6	27	50	6	R245-12T3..	160,00 €
	AFM45-SE12-D100-A32-Z07-H	100	7	32	50	6	FOR SNVVK	201,00 €
	AFM45-SE12-D125-B40-Z08	125	8	40	63	6	INSERT.	265,00 €
	AFM45-SE12-D160-C40-Z10	160	10	40	63	6		330,00 €
	AFM45-SE12-D200-C60-Z12	200	12	60	63	6		400,00 €
	AFM45-SE14M4-D063-A22-Z04-H	63	4	22	40	7		150,00 €
	AFM45-SE14M4-D080-A27-Z05-H	80	5	27	50	7	SE.. 14M4..	175,00 €
	AFM45-SE14M4-D100-A32-Z05-H	100	5	32	50	7	FOR KRLV	215,00 €
	AFM45-SE14M4-D125-B40-Z06	125	6	40	63	7	INSERT.	285,00 €
	AFM45-SE14M4-D160-C40-Z07	160	7	40	63	7		350,00 €
 45°	AFM45-SA1706-D080-A27-Z06-H	80	6	27	50	8.4	SAKU 1706..	190,00 €
	AFM45-SA1706-D100-A32-Z07-H	100	7	32	50	8.4	FOR CRTZT	215,00 €
	AFM45-SA1706-D125-B40-Z09	125	9	40	63	8.4	INSERT.	300,00 €
 45°	AFM45C-SN1206-D050-A22-Z05-H	50	5	22	42	6		145,00 €
	AFM45C-SN1206-D063-A22-Z07-H	63	7	22	42	6		165,00 €
	AFM45CL-SN1206-D063-A22-Z07-H	63	7	22	42	6		165,00 €
	AFM45C-SN1206-D080-A27-Z08-H	80	8	27	52	6		190,00 €
	AFM45C-SN1206-D100-A32-Z10-H	100	10	32	52	6	SN.. 1206..	215,00 €
	AFM45CL-SN1206-D100-A32-Z10-H	100	10	32	52	6	ISO	215,00 €
	AFM45C-SN1206-D125-B40-Z11	125	11	40	65	6		300,00 €
	AFM45CL-SN1206-D125-B40-Z11	125	11	40	65	6		300,00 €
	AFM45C-SN1206-D160-C40-Z12	160	12	40	65	6		370,00 €
	AFM45C-SN1206-D200-C60-Z14	200	14	60	65	6		630,00 €
	AFM45CL-SN1206-D200-C60-Z14	200	14	60	65	6		630,00 €
 45°	AFM45C-SN12Z-D050-A22-Z05-H	50	5	22	42	6		145,00 €
	AFM45C-SN12Z-D063-A22-Z06-H	63	6	22	42	6	SNEG 1205..	165,00 €
	AFM45C-SN12Z-D080-A27-Z07-H	80	7	27	52	6	FOR ZCC	190,00 €
	AFM45C-SN12Z-D100-A32-Z09-H	100	9	32	52	6	INSERT.	215,00 €
	AFM45C-SN12Z-D125-B40-Z11	125	11	40	65	6		300,00 €
	AFM45C-SN12Z-D200-C60-Z14	200	14	60	65	6		630,00 €
 45°	AFM45-ON0806-D063-A22-Z05-H	63	5	22	40	4		165,00 €
	AFM45-ON0806-D080-A27-Z06-H	80	6	27	50	4		190,00 €
	AFM45-ON0806-D100-A32-Z07-H	100	7	32	50	4	ON.. 0806..	215,00 €
	AFM45-ON0806-D125-A40-Z08-H	125	8	40	63	4	ISO	255,00 €
	AFM45-ON0806-D160-C40-Z10	160	10	40	63	4		340,00 €
	AFM45-ON0806-D200-C60-Z12	200	12	60	63	4		550,00 €

FACE MILLING TOOLS / PLAN UND ECKMESSERKÖPFE

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	CODE / TYP	TOOL DIMENSIONS (mm) MAß					CUTTING INSERT WENDE PLATTE	PRICE / PREIS
		D	z	d	L	a		
 67°	AFM67-PN1105-D050-A22-Z05	50	5	22	50	5		158,00 €
	AFM67-PN1105-D063-A22-Z06	63	6	22	50	5	PNEG 1105..	184,00 €
	AFM67-PN1105-D080-A27-Z08	80	8	27	50	5	FOR ZCC	210,00 €
	AFM67-PN1105-D100-B32-Z10	100	10	32	50	5	INSERT.	263,00 €
	AFM67-PN1105-D125-B40-Z12	125	12	40	63	5		347,00 €
	AFM67-PN1105-D160-C40-Z14	160	14	40	63	5		525,00 €
 75°	AFM75-AP16-D063-A22-Z04-H	63	4	22	40	6		131,00 €
	AFM75-AP16-D080-A27-Z05-H	80	5	27	50	6	AP.. 1604..	151,00 €
	AFM75-AP16-D100-A32-Z06-H	100	6	32	50	6	ISO	181,00 €
	AFM75-AP16-D125-B40-Z07	125	7	40	63	6		240,00 €
 88°	AFM88C-SN1206-D063-A22-Z06-H	63	6	22	40	11.5	SN.. 1206..	165,00 €
	AFM88C-SN1206-D080-A27-Z07-H	80	7	27	50	11.5	ISO	191,00 €
	AFM88C-SN1206-D100-A32-Z09-H	100	9	32	52	11.5		215,00 €
 90°	AFM90-AD1505-D040-A16-Z04-H	40	4	16	40	15		105,00 €
	AFM90-AD1505-D050-A22-Z05-H	50	5	22	40	15	AD.. 1505..	125,00 €
	AFM90-AD1505-D063-A22-Z06-H	63	6	22	40	15	FOR ISCR	145,00 €
	AFM90-AD1505-D080-A27-Z07-H	80	7	27	50	15	INSERT.	165,00 €
	AFM90-AD1505-D100-A32-Z08-H	100	8	32	50	15		201,00 €
	AFM90-AD1505-D125-B40-Z09	125	9	40	63	15		265,00 €
 90°	AFM90-AD1505D-D050-A22-Z05-H	50	5	22	40	14.3	ADKT 150508	125,00 €
	AFM90-AD1505D-D063-A27-Z06-H	63	6	27	50	14.3	FOR DJT	145,00 €
	AFM90-AD1505D-D080-A27-Z08-H	80	8	27	50	14.3	INSERT.	175,00 €
 90°	AFM90-AN1506-D050-A22-Z04-H	50	4	22	40	14.5	ANGX 150608	127,00 €
	AFM90-AN1506-D063-A22-Z05-H	63	5	22	40	14.5	FOR ZCC	148,00 €
	AFM90-AN1506-D080-A27-Z06-H	80	6	27	50	14.5	INSERT.	169,00 €
	AFM90-AN1506-D100-A32-Z08-H	100	8	32	50	14.5		203,00 €

FACE MILLING TOOLS / PLAN UND ECKMESSERKÖPFE

	CODE / TYP	TOOL DIMENSIONS (mm) MAß					CUTTING INSERT WENDE PLATTE	PRICE / PREIS
		D	z	d	L	a		
 90°	AFM90-AN1607-D050-A22-Z04-H	50	4	22	40	15	AN.X 1607..	163,00 €
	AFM90-AN1607-D063-A22-Z06-H	63	6	22	40	15	FOR TGTC	221,00 €
	AFM90-AN1607-D080-A27-Z07-H	80	7	27	50	15	INSERT.	247,00 €
	AFM90-AN1607-D100-A32-Z08-H	100	8	32	50	15		273,00 €
  90°	AFM90-AP10-D040-A16-Z05-H	40	5	16	40	10		96,00 €
	AFM90-AP10-D050-A22-Z06-H	50	6	22	40	10		116,00 €
	AFM90-AP10-D063-A22-Z07-H	63	7	22	40	10	AP.. 1003..	130,00 €
	AFM90-AP10-D080-A27-Z08-H	80	8	27	50	10	ISO	150,00 €
	AFM90-AP10-D100-A32-Z09-H	100	9	32	50	10		180,00 €
	AFM90-AP16-D040-A16-Z04-H	40	4	16	40	16		96,00 €
	AFM90-AP16-D050-A22-Z05-H	50	5	22	40	16		116,00 €
	NEW AFM90-AP16-D052-A22-Z05-H	52	5	22	40	16		120,00 €
	AFM90-AP16-D063-A22-Z06-H	63	6	22	40	16	AP.. 1604..	130,00 €
	AFM90-AP16-D080-A27-Z07-H	80	7	27	50	16	ISO	150,00 €
	AFM90-AP16-D100-A32-Z08-H	100	8	32	50	16		180,00 €
	AFM90-AP16-D125-B40-Z09	125	9	40	63	16		240,00 €
	AFM90-AP16-D160-C40-Z10	160	10	40	63	16		300,00 €
	AFM90-AP16-D200-C60-Z12	200	12	60	63	16		500,00 €
	AFM90-AP16D-D050-A22-Z05-H	50	5	22	40	16	AP.. 1604.. DJT	116,00 €
	AFM90-AP16L-D050-A22-Z05-H	50	5	22	40	16	AP.. 1604..	116,00 €
	AFM90-AP16L-D063-A22-Z06-H	63	6	22	40	16	FOR LMNA	130,00 €
	AFM90-AP16L-D080-A27-Z07-H	80	7	27	50	16	INSERT.	150,00 €
	AFM90-AP16P-D040-A16-Z04-H	40	4	16	40	16		96,00 €
	AFM90-AP16P-D050-A22-Z05-H	50	5	22	40	16	AP.. 1604..	116,00 €
	AFM90-AP16P-D063-A22-Z06-H	63	6	22	40	16	FOR PLBT	130,00 €
	AFM90-AP16P-D080-A27-Z07-H	80	7	27	50	16	INSERT.	150,00 €
	AFM90-AP16P-D100-A32-Z08-H	100	8	32	50	16		180,00 €
 90°	AFM90-AP1705-D050-A22-Z05-H	50	5	22	40	16	AP.. 1705..	125,00 €
	AFM90-AP1705-D063-A22-Z06-H	63	6	22	40	16	FOR TGTC-LMNA	145,00 €
	AFM90-AP1705-D080-A27-Z07-H	80	7	27	50	16	INSERT.	165,00 €
	AFM90-AP1705-D100-A32-Z08-H	100	8	32	50	16		201,00 €
 90°	AFM90-AX1705-D040-A16-Z04-H	40	4	16	40	14	AX.T 1705..	110,00 €
	AFM90-AX1705-D050-A22-Z05-H	50	5	22	40	14	FOR SMTM	132,00 €
	AFM90-AX1705-D063-A22-Z06-H	63	6	22	40	14	INSERT.	151,00 €
	AFM90-AX1705-D080-A27-Z07-H	80	7	27	50	14		173,00 €
	AFM90-AX1705-D100-A32-Z08-H	100	8	32	50	14		207,00 €

FACE MILLING TOOLS / PLAN UND ECKMESSERKÖPFE

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	CODE / TYP	TOOL DIMENSIONS (mm) MAß					CUTTING INSERT WENDE PLATTE	PRICE / PREIS
		D	z	d	L	a		
 90°	AFM90-BD1704-D050-A22-Z04-H	50	4	22	40	15.7	BDMT 1704..	129,00 €
	AFM90-BD1704-D063-A22-Z05-H	63	5	22	40	15.7	FOR KYCR	142,00 €
	AFM90-BD1704-D080-A27-Z06-H	80	6	27	50	15.7	INSERT.	164,00 €
 90°	AFM90-LN1307-D050-A22-Z04-H	50	4	22	40	13	LNGX 1307..	182,00 €
	AFM90-LN1307-D063-A22-Z06-H	63	6	22	40	13	FOR WLTR	219,00 €
	AFM90-LN1307-D080-A27-Z07-H	80	7	27	50	13	INSERT.	239,00 €
	AFM90-LN1307-D100-A32-Z08-H	100	8	32	50	13		259,00 €
 90°	AFM90-LN15Z-D050-A22-Z04	50	4	22	40	15	LNKT 1506..	142,00 €
	AFM90-LN15Z-D063-A22-Z05	63	5	22	40	15	FOR ZCC	165,00 €
	AFM90-LN15Z-D080-A27-Z06	80	6	27	50	15	INSERT.	189,00 €
	AFM90-LN15Z-D100-A32-Z07	100	7	32	50	15		236,00 €
	AFM90-LN15Z-D125-B40-Z08	125	8	40	63	15		312,00 €
 90°	AFM90-LN15T6-D050-A22-Z05-H	50	5	22	40	15.5	LNGU 15T6..	142,00 €
	AFM90-LN15T6-D063-A22-Z06-H	63	6	22	40	15.5	FOR KNMTL	164,00 €
	AFM90-LN15T6-D080-A27-Z07-H	80	7	27	50	15.5	INSERT.	186,00 €
 90°	AFM90-R290.12-D050-A22-Z04-H	50	4	22	40	10.7		120,00 €
	AFM90-R290.12-D063-A22-Z05-H	63	5	22	40	10.7	R290-12T3..	140,00 €
	AFM90-R290.12-D080-A27-Z07-H	80	7	27	50	10.7	FOR SNDVK	160,00 €
	AFM90-R290.12-D100-A32-Z09-H	100	9	32	50	10.7	INSERT.	201,00 €
	AFM90-R290.12-D125-B40-Z11	125	11	40	63	10.7		265,00 €

FACE MILLING TOOLS / PLAN UND ECKMESSERKÖPFE

	CODE / TYP	TOOL DIMENSIONS (mm) MAß					CUTTING INSERT WENDE PLATTE	PRICE / PREIS
		D	z	d	L	a		
  90°	AFM90-R390.11-D040-A16-Z05-H	40	5	16	40	10	R390-11T3..	105,00 €
	AFM90-R390.11-D050-A22-Z06-H	50	6	22	40	10	FOR SNDVK	125,00 €
	AFM90-R390.11-D063-A22-Z07-H	63	7	22	40	10	INSERT.	145,00 €
	AFM90-R390.11-D080-A27-Z09-H	80	9	27	50	10		189,00 €
	AFM90-R390.17-D040-A16-Z04-H	40	4	16	40	15.4		105,00 €
	AFM90-R390.17-D050-A22-Z05-H	50	5	22	40	15.4	R390-1704..	125,00 €
	AFM90-R390.17-D063-A22-Z06-H	63	6	22	40	15.4	FOR SNDVK	145,00 €
	AFM90-R390.17-D080-A27-Z07-H	80	7	27	50	15.4	INSERT.	165,00 €
	AFM90-R390.17-D100-A32-Z08-H	100	8	32	50	15.4		201,00 €
	AFM90-R390.17-D125-B40-Z09	125	9	40	63	15.4		265,00 €
	AFM90-R390.18-D050-A22-Z04-H	50	4	22	40	15.4		125,00 €
	AFM90-R390.18-D063-A22-Z05-H	63	5	22	40	15.4	R390-1806..	145,00 €
	AFM90-R390.18-D080-A27-Z06-H	80	6	27	50	15.4	FOR SNDVK	165,00 €
	AFM90-R390.18-D100-A32-Z07-H	100	7	32	50	15.4	INSERT.	201,00 €
	AFM90-R390.18-D125-B40-Z08	125	8	40	63	15.4		265,00 €
 90°	AFM90-490R14-D050-A22-Z04-H	50	4	22	40	10	490R-1404..	165,00 €
	AFM90-490R14-D063-A22-Z05-H	63	5	22	40	10	FOR SNDVK	193,00 €
	AFM90-490R14-D080-A27-Z07-H	80	7	27	50	10	INSERT.	220,00 €
 90°	AFM90-RT10-D040-A16-Z06-H	40	6	16	40	10	RT 1003..	105,00 €
	AFM90-RT10-D050-A22-Z07-H	50	7	22	40	10	FOR SFTY	124,00 €
	AFM90-RT10-D063-A22-Z09-H	63	9	22	50	10	INSERT.	151,00 €
 90°	AFM90-SD09M4-D040-A16-Z04-H	40	4	16	40	9	SD.. 09M4..	121,00 €
	AFM90-SD09M4-D050-A22-Z05-H	50	5	22	40	9	FOR KRLY	130,00 €
	AFM90-SD09M4-D063-A22-Z06-H	63	6	22	40	9	INSERT.	150,00 €
	AFM90-SD1305-D050-A22-Z04-H	50	4	22	40	13	SD.. 1305..	130,00 €
	AFM90-SD1305-D063-A22-Z05-H	63	5	22	40	13	FOR KRLY	150,00 €
	AFM90-SD1305-D080-A27-Z06-H	80	6	27	50	13	INSERT.	175,00 €
	AFM90-SD1305-D100-A32-Z07-H	100	7	32	50	13		215,00 €
	AFM90-SD1305-D125-B40-Z08	125	8	40	63	13		285,00 €
	AFM90-SD1305-D160-C40-Z10	160	10	40	63	13		350,00 €
 90°	AFM90-SE09-D040-A16-Z04-H	40	4	16	40	6.7	SEET 09T3..	116,00 €
	AFM90-SE09-D050-A22-Z05-H	50	5	22	40	6.7	FOR ZCC	135,00 €
	AFM90-SE09-D063-A22-Z06-H	63	6	22	40	6.7	INSERT.	155,00 €

FACE MILLING TOOLS / PLAN UND ECKMESSERKÖPFE

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	CODE / TYP	TOOL DIMENSIONS (mm) MAß					CUTTING INSERT WENDE PLATTE	PRICE / PREIS
		D	z	d	L	a		
 90°	AFM90-SE12-D050 A22 Z04-H	50	4	22	40	12		120,00 €
	AFM90-SE12-D063 A22 Z05-H	63	5	22	40	12	SEET 1203..	140,00 €
	AFM90-SE12-D080 A27 Z07-H	80	7	27	50	12	FOR ZCC	160,00 €
	AFM90-SE12-D100 A32 Z09-H	100	9	32	50	12	INSERT.	201,00 €
	AFM90-SE12-D125 B40 Z11	125	11	40	63	12		265,00 €
 90°	AFM90-TN2207-D063-A22-Z04-H	63	4	22	40	15	TN.X 2207..	168,00 €
	AFM90-TN2207-D080-A27-Z05-H	80	5	27	50	15	FOR TGTC	205,00 €
	AFM90-TN2207-D100-B32-Z06	100	6	32	50	15	INSERT.	247,00 €
	AFM90-TN2207-D125-B40-Z08	125	8	40	63	15		326,00 €
 90°	AFM90-TP2205-D063-A22-Z04	63	4	22	40	18		158,00 €
	AFM90-TP2205-D080-A27-Z06	80	6	27	50	18	TPKT 2205..	184,00 €
	AFM90-TP2205-D100-A32-Z07	100	7	32	50	18	FOR TGTC	226,00 €
	AFM90-TP2205-D125-B40-Z08	125	8	40	63	18	INSERT.	305,00 €
	AFM90-TP2205-D160-C40-Z09	160	9	40	63	18		410,00 €
	AFM90-TP2205-D200-C60-Z12	200	12	60	63	18		572,00 €
 90°	AFM90-WN0806-D050-A16-Z04-H	50	4	16	40	8	WNMX 080608	173,00 €
	AFM90-WN0806-D063-A22-Z05-H	63	5	22	40	8	FOR KYCR-JD	208,00 €
	AFM90-WN0806-D080-A27-Z07-H	80	7	27	50	8	INSERT.	250,00 €
 90°	AFM90-X012-D040-A16-Z05-H	40	5	16	40	11	XO.. 1204..	96,00 €
	AFM90-X012-D050-A22-Z07-H	50	7	22	40	11	FOR SC	125,00 €
	AFM90-X012-D063-A22-Z08-H	63	8	22	40	11	INSERT.	140,00 €
	AFM90-X012-D080-A27-Z10-H	80	10	27	50	11		170,00 €

FACE AND COPY MILLING TOOLS / MESSERKÖPFE FÜR RUNGE WENDESCHNEIDPLATTEN

	CODE / TYP	TOOL DIMENSIONS (mm) MAß					CUTTING INSERT WENDE PLATTE	PRICE / PREIS
		D	z	d	L	a		
 -°	AFMR-RC10T3-D040-A16-Z04-H	40	4	16	40	5	RC.. 10T3..	110,00 €
	AFMR-RC10T3-D050-A22-Z05-H	50	5	22	50	5	FOR ZCC	131,00 €
	AFMR-RC10T3-D063-A22-Z06-H	63	6	22	50	5	INSERT.	151,00 €

FACE AND COPY MILLING TOOLS / MESSERKÖPFE FÜR RUNGE WENDESCHNEIDPLATTEN

	CODE / TYP	TOOL DIMENSIONS (mm) MAß					CUTTING INSERT WENDE PLATTE	PRICE / PREIS
		D	z	d	L	a		
	AFMR-RC1204-D050-A22-Z05-H	50	5	22	50	6	RC.. 1204..	149,00 €
	AFMR-RC1204-D063-A22-Z06-H	63	6	22	50	6	FOR SNVVK	172,00 €
	AFMR-RC1204-D080-A27-Z07-H	80	7	27	50	6	INSERT.	201,00 €
	AFMR-RP10T3-D063-A22-Z06-H	63	6	22	40	5	RPNX 10T3..	141,00 €
	AFMR-RP10T3-D080-A27-Z07-H	80	7	27	50	5	CRTZT	164,00 €
	AFMR-RP1204-D040-A16-Z04-H	40	4	16	40	6	RPNX 1204..	103,00 €
	AFMR-RP1204-D080-A27-Z07-H	80	7	27	50	6	FOR CRTZT	164,00 €
	AFMR-RP1204M-D063-A22-Z05-H	63	5	22	50	6	RPMT 1204..	129,00 €
	AFMR-RP1204M-D080-A27-Z06-H	80	6	27	50	6	FOR MTSBSH	150,00 €
							INSERT.	
	AFMR-QP10T3-D040-A16-Z04-H	40	4	16	40	5	QP.. 10T3..	127,00 €
	AFMR-QP10T3-D050-A22-Z05-H	50	5	22	40	5	FOR SMTM	151,00 €
	AFMR-QP10T3-D063-A22-Z06-H	63	6	22	40	5	INSERT.	173,00 €
	AFMR-QP1204-D050-A22-Z04-H	50	4	22	40	6	QP.. 1204..	151,00 €
	AFMR-QP1204-D063-A22-Z05-H	63	5	22	40	6	FOR SMTM	173,00 €
							INSERT.	

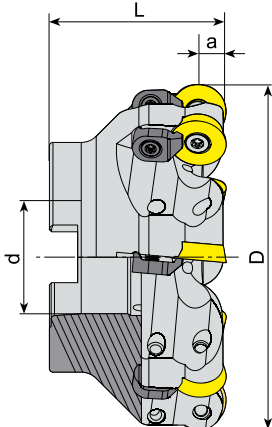
Cutting Calculation : P 82 / Schnittdatenberechnung : S 82

Ordering Example/Beispiel Bestellformular: 1 pcs. AFMR-RC1204-D050-A22-Z05-H



FACE AND COPY MILLING TOOLS / MESSERKÖPFE FÜR RUNGE WENDESCHNEIDPLATTEN

76/77

	CODE / TYP	TOOL DIMENSIONS (mm) MAß					CUTTING INSERT WENDE PLATTE	PRICE / PREIS
		D	z	d	L	a		
  4°	AFMR-RD0702-D050-A22-Z06-H	50	6	22	40	3.5	RD.. 0702..	138,00 €
	AFMR-RD0803-D050-A22-Z05-H	50	5	22	40	4	RD.. 0803..	138,00 €
	AFMRC-RD1003-D040-A16-Z04-H	40	4	16	40	5		103,00 €
	AFMRC-RD1003-D050-A22-Z05-H	50	5	22	40	5	RD.. 1003..	122,00 €
	AFMRC-RD1003-D063-A22-Z06-H	63	6	22	40	5	ISO	141,00 €
	AFMRC-RD1003-D080-A27-Z07-H	80	7	27	50	5		164,00 €
	AFMRC-RD1003-D100-A32-Z08-H	100	8	32	50	5		202,00 €
	AFMRC-RD10T3-D050-A22-Z05-H	50	5	22	50	5	RD.. 10T3..	122,00 €
	AFMRC-RD10T3-D063-A22-Z06-H	63	6	22	50	5	ISO	141,00 €
	AFMRC-RD12T3-D040-A16-Z04-H	40	4	16	40	6		103,00 €
	AFMRC-RD12T3-D050-A22-Z05-H	50	5	22	40	6		122,00 €
	AFMRC-RD12T3-D052-A22-Z05-H	52	5	22	40	6	RD.. 12T3..	122,00 €
	AFMRC-RD12T3-D063-A22-Z06-H	63	6	22	40	6	ISO	141,00 €
	AFMRC-RD12T3-D080-A27-Z07-H	80	7	27	50	6		164,00 €
	AFMRC-RD12T3-D100-A32-Z08-H	100	8	32	50	6		202,00 €
	AFMRC-RD12T3-D125-B40-Z09	125	9	40	63	6		268,00 €
	AFMRC-RD1204-D040-A16-Z04-H	40	4	16	40	6		103,00 €
	AFMRC-RD1204-D050-A22-Z05-H	50	5	22	40	6		122,00 €
	AFMRC-RD1204-D052-A22-Z05-H	52	5	22	40	6	RD.. 1204..	122,00 €
	AFMRC-RD1204-D063-A22-Z06-H	63	6	22	40	6	ISO	141,00 €
	AFMRC-RD1204-D080-A27-Z07-H	80	7	27	50	6		164,00 €
	AFMRC-RD1204-D100-A32-Z07-H	100	7	32	50	6		191,00 €
	AFMRC-RD1204-D100-A32-Z08-H	100	8	32	50	6		202,00 €
	AFMRC-RD1604-D050-A22-Z04-H	50	4	22	40	8		131,00 €
	AFMRC-RD1604-D052-A22-Z04-H	52	4	22	40	8		131,00 €
	AFMRC-RD1604-D063-A22-Z05-H	63	5	22	40	8		150,00 €
	AFMRC-RD1604-D066-A22-Z05-H	66	5	22	50	8	RD.. 1604..	150,00 €
	AFMRC-RD1604-D066-A27-Z05-H	66	5	27	50	8	ISO	150,00 €
	AFMRC-RD1604-D080-A27-Z06-H	80	6	27	50	8		188,00 €
	AFMRC-RD1604-D100-A32-Z07-H	100	7	32	50	8		215,00 €
	AFMRC-RD1604-D125-B40-Z07	125	7	40	63	8		280,00 €

FACE MILLING TOOLS / PLAN UND ECKMESSERKÖPFE

	CODE / TYP	TOOL DIMENSIONS (mm) MAß					CUTTING INSERT WENDE PLATTE	PRICE / PREIS
		D	z	d	L	a		
 43°	AFM43C-OF07-D063-A22-Z04	63	4	22	40	5		141,00 €
	AFM43C-OF07-D080-A27-Z05	80	5	27	50	5	OF.. 0704..	164,00 €
	AFM43C-OF07-D100-A32-Z06	100	6	32	50	5	ISO	211,00 €
	AFM43C-OF07-D125-B40-Z08	125	8	40	63	5		300,00 €
	AFM43C-OF07-D160-C40-Z09	160	9	40	63	5		370,00 €
 45°	AFM45C-HN0905-D063-A22-Z07	63	7	22	40	4.5	HN.. 0905..	160,00 €
	AFM45C-HN0905-D080-A27-Z09	80	9	27	50	4.5	FOR	188,00 €
	AFM45C-HN0905-D100-A32-Z11	100	11	32	50	4.5	WDA-KNMTL	215,00 €
	AFM45C-HN0905-D125-B40-Z13	125	13	40	63	4.5	INSERT.	263,00 €
	AFM45C-HN0905-D160-C40-Z15	160	15	40	63	4.5		375,00 €

FACE MILLING TOOLS / PLAN UND ECKMESSERKÖPFE

	CODE / TYP	TOOL DIMENSIONS (mm) MAß					CUTTING INSERT WENDE PLATTE	PRICE / PREIS
		D	z	d	L	a		
 75°	AFM75C-SP12-D050-A22-Z04	50	4	22	42	8		110,00 €
	AFM75C-SP12-D063-A22-Z05	63	5	22	40	8		125,00 €
	AFM75C-SP12-D080-A27-Z06	80	6	27	50	8		150,00 €
	AFM75C-SP12-D100-A32-Z07	100	7	32	50	8	SPKN 1203..	180,00 €
	AFM75C-SP12-D125-B40-Z08	125	8	40	63	8	ISO	240,00 €
	AFM75C-SP12-D160-C40-Z09	160	9	40	63	8		300,00 €
	AFM75C-SP12-D200-C60-Z12	200	12	60	63	8		425,00 €
 90°	AFM90C-TP16-D050-A22-Z04	50	4	22	40	12		110,00 €
	AFM90C-TP16-D063-A22-Z06	63	6	22	45	12	TP.. 1603..	125,00 €
	AFM90C-TP16-D080-A27-Z07	80	7	27	50	12	ISO	150,00 €
	AFM90C-TP16-D100-A32-Z08	100	8	32	50	12		180,00 €
	AFM90C-TP22-D063-A22-Z05	63	5	22	45	18		125,00 €
	AFM90C-TP22-D080-A27-Z06	80	6	27	50	18		150,00 €
	AFM90C-TP22-D100-A32-Z07	100	7	32	50	18	TP.. 2204..	180,00 €
	AFM90C-TP22-D125-B40-Z08	125	8	40	63	18	ISO	240,00 €
	AFM90C-TP22-D160-C40-Z09	160	9	40	63	18		300,00 €
	AFM90C-TP22-D200-C60-Z12	200	12	60	63	18		425,00 €
	AFM90C-TP22-D250-C60-Z15	250	15	60	63	18		600,00 €
	AFM90C-TP22-D315-D60-Z18	315	18	60	63	18		970,00 €

HIGH FEED MILLING TOOLS / HOCHVORSCHUBFRÄSER

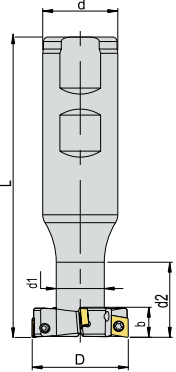
	CODE / TYP	TOOL DIMENSIONS (mm) MAß					CUTTING INSERT WENDE PLATTE	PRICE / PREIS
		D	z	d	L	a		
 -°	AHFM-BL0904-D050-A22-Z06-H	50	6	22	50	2	BLMP 0904..	123,00 €
	AHFM-BL0904-D063-A22-Z05-H	63	5	22	50	2	FOR TGTC	154,00 €
	NEW AHFM-BL0904-D063-A22-Z07-H	63	7	22	50	2	INSERT.	210,00 €
 -°	AHFM-BL1205-D050-A22-Z03-H	50	3	22	40	2	BLMP 1205..	205,00 €
	AHFM-BL1205-D063-A22-Z04-H	63	4	22	40	2	FOR TGTC	231,00 €
	AHFM-BL1205-D080-A27-Z05-H	80	5	27	50	2	INSERT.	273,00 €
 -°	AHFMC-JD1204-D052-A22-Z03-H	52	3	22	50	1.5	JDMW 1204..	150,00 €
	AHFMC-JD1204-D052-A22-Z04-H	52	4	22	50	1.5	FOR MTSBSH INSERT.	170,00 €
	AHFMC-JD1405-D052-A22-Z03-H	52	3	22	40	2	JDMW 1405..	170,00 €
	AHFMC-JD1405-D063-A22-Z04-H	63	4	22	40	2	FOR MTSBSH	200,00 €
							INSERT.	

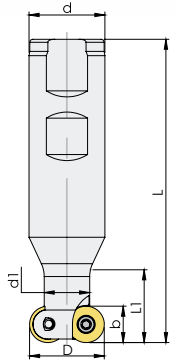
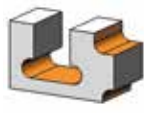
HIGH FEED MILLING TOOLS / HOCHVORSCHUBFRÄSER

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	CODE / TYP	TOOL DIMENSIONS (mm) MAß					CUTTING INSERT WENDE PLATTE	PRICE / PREIS
		D	z	d	L	a		
	AHFCMC-SD1204-D050-A22-Z04-H	50	4	22	40	1.8	SD.. 1204..	148,00 €
	AHFCMC-SD1204-D063-A22-Z05-H	63	5	22	40	1.8	FOR ZCC	172,00 €
	NEW AHFCMC-SD1204-D080-A27-Z06-H	80	6	27	50	1.8	INSERT.	235,00 €
	NEW AHFCMC-SD1204-D100-A32-Z08-H	100	8	32	50	1.8		285,00 €
	AHFCMC-WD06T3D-D042-A16-Z04-H	42	4	16	45	1.5	WDHW 06T3..	152,00 €
	AHFCMC-WD06T3D-D050-A22-Z05-H	50	5	22	50	1.5	FOR DJT	161,00 €
	AHFCMC-WD06T3D-D052-A22-Z05-H	52	5	22	50	1.5	INSERT.	165,00 €
	AHFCMC-WD0805D-D052-A22-Z04-H	52	4	22	50	2	WDMT 0805..	161,00 €
	AHFCMC-WD0805D-D063-A27-Z05-H	63	5	27	50	2	FOR DJT	182,00 €
	AHFCMC-WD0804-D040-A16-Z04-H	40	4	16	45	-	WDMT 0804..	162,00 €
	AHFCMC-WD1205-D050-A22-Z04-H	50	4	22	50	-	WDMT 1205..	167,00 €
	AHFCMC-WD1205-D063-A22-Z05-H	63	5	22	50	-	FOR SMTM	196,00 €
	AHFCMC-WD1205-D080-A27-Z06-H	80	6	27	63	-	INSERT.	226,00 €
	AHFM-WN09T3-D040-A16-Z04-H	40	4	16	40	1.5		156,00 €
	AHFML-WN09T3-D040-A16-Z04-H	40	4	16	40	1.5	WNMX 09T3..	156,00 €
	AHFM-WN09T3-D050-A22-Z05-H	50	5	22	40	1.5	FOR KRLY	187,00 €
	AHFML-WN09T3-D050-A22-Z05-H	50	5	22	40	1.5	INSERT.	187,00 €
	AHFM-WN09T3-D063-A22-Z06-H	63	6	22	40	1.5		211,00 €
	AHFM-SD1205-D052-A22-Z04-H	52	4	22	50	2	SD.. 1205..	176,00 €
	AHFM-SD1205-D052-A22-Z05-H	52	5	22	50	2	FOR HTCH	191,00 €
	AHFM-SD1205-D066-A22-Z05-H	66	5	22	50	2	INSERT.	215,00 €
	AHFM-SD1205-D066-A22-Z06-H	66	6	22	50	2		229,00 €
	AHFM-SD1205-D080-A27-Z06-H	80	6	27	70	2		248,00 €

T - SLOT MILLING / T - NUTENFRÄSER

	CODE / TYP	TOOL DIMENSIONS (mm) MAß							CUTTING INSERT WENDE PLATTE	PRICE / PREIS
		Z TEETH EFFECTIVE	D	b	d	L	d ₁	d ₂		
  90°	ATSM90-CC06-D17X8-W16-L85-Z02	2-1	17	8	16	85	10	16		100,00 €
	ATSM90-CC06-D32X8-W25-L100-Z04	4-2	32	8	25	100	16	23		132,00 €
	ATSM90-CC06-D63X8-W32-L125-Z08	8-4	63	8	32	125	31.5	30		221,00 €
	ATSM90-CC06-D18X9-W16-L90-Z02	2-1	18	9	16	90	10	16		100,00 €
	ATSM90-CC06-D20X9-W16-L85-Z04	4-2	20	9	16	85	10	16	CC.. 0602..	126,00 €
	ATSM90-CC06-D23X10-W20-L90-Z04	4-2	23	10	20	90	12	25	ISO	131,00 €
	ATSM90-CC06-D32X10-W25-L100-Z04	4-2	32	10	25	100	16	25		132,00 €
	ATSM90-CC06-D45X10-W32-L120-Z06	6-3	45	10	32	120	20	25		166,00 €
	ATSM90-CC06-D25X11-W25-L100-Z04	4-2	25	11	25	100	13	20		131,00 €
	ATSM90-CC09-D30X12-W25-L100-Z04	4-2	30	12	25	100	16	25		143,00 €
	ATSM90-CC09-D32X12-W25-L100-Z02	2-1	32	12	25	100	16	25		141,00 €
	ATSM90-CC09-D32X12-W25-L100-Z04	4-2	32	12	25	100	16	25		153,00 €
	ATSM90-CC09-D32X14-W25-L100-Z04	4-2	32	14	25	100	16	25	CC.. 09T3..	153,00 €
	ATSM90-CC09-D37X16-W32-L120-Z04	4-2	37	16	32	120	17	30	ISO	144,00 €
	ATSM90-CC09-D42X17-W32-L120-Z04	4-2	42	17	32	120	19	30		154,00 €
	ATSM90-CC09-D40X17-W32-L120-Z04	4-2	40	17	32	120	19	30		154,00 €
	ATSM90-CC12-D47X20-W32-L120-Z04	4-2	47	20	32	120	25	45		166,00 €
 90°	ATSM90-SPGT0904-D37X16-W32-L120-Z04-H	4-2	37	16	32	120	21	40	SPGT 090408	144,00 €
	ATSM90-SPGT0904-D42X17-W32-L120-Z04-H	4-2	42	17	32	120	21	40	FOR ZCC INSERT.	154,00 €
	ATSM90-SPGT1104-D47X20-W32-L120-Z04-H	4-2	47	20	32	120	24	45	SPGT 110408	166,00 €
	ATSM90-SP..06-D80X7-W32-L120-Z10	10-5	80	7	32	120	32	30	SPMG 060204	650,00 €
									FOR TGTC INSERT.	

	CODE / TYP	TOOL DIMENSIONS (mm) MAß							CUTTING INSERT WENDE PLATTE	PRICE / PREIS
		Z	D	d	L	b	L ₁	d ₁		
   90°	ATSMR-RD0702-D17-W16-L90-Z02	2	17	16	90	7	12	10	RD.. 0702..	125,00 €
	ATSMR-RD0702-D25-W16-L90-Z03	3	25	16	90	7	12	15	ISO	145,00 €
	ATSMR-RD0702-D35-W25-L100-Z05	5	35	25	100	7	20	20		175,00 €
	ATSMR-RD1003-D21-W25-L100-Z02	2	21	25	100	10	20	12	RD.. 1003..	130,00 €
	ATSMR-RD12T3-D25-W25-L100-Z02	2	25	25	100	12	24	15	RD.. 12T3..	135,00 €
	ATSMR-RD1604-D34-W32-L110-Z02	2	34	32	110	16	30	20	RD.. 1604..	140,00 €
									ISO	

SLOT DISC MILLING / SCHEIBENFRÄSER

	CODE / TYP	TOOL DIMENSIONS (mm) Maß						CUTTING INSERT WENDE PLATTE	PRICE / PREIS
		Z TEETH EFFEKTIVE	D	b	a	d	B		
 90°	ASDM-SPGT05-D80x6-d27-Z10	10-5	80	6	17	27	10	SPGT 0502..	186,00 €
	ASDM-SPGT05-D100x6-d32-Z12	12-6	100	6	25	32	10	FOR ZCC	219,00 €
	ASDM-SPGT05-D125x6-d40-Z14	14-7	125	6	35	40	10	INSERT.	330,00 €
	ASDM-SPGT05-D160x6-d40-Z18	18-9	160	6	52	40	10		439,00 €
	ASDM-SPGT06-D80x7-d27-Z10	10-5	80	7	17	27	11		186,00 €
	ASDM-SPGT06-D100x7-d32-Z12	12-6	100	7	25	32	11	SPGT 0602..	219,00 €
	ASDM-SPGT06-D125x7-d40-Z14	14-7	125	7	35	40	11	FOR ZCC	330,00 €
	ASDM-SPGT06-D160x7-d40-Z16	16-8	160	7	52	40	11	INSERT.	439,00 €
	ASDM-SPGT06-D200x7-d40-Z18	18-9	200	7	70	40	11		549,00 €
 90°	ASDM-CC06-D80x8-d27-Z10	10-5	80	8	17	27	12		186,00 €
	ASDM-CC06-D100x8-d32-Z12	12-6	100	8	25	32	12		219,00 €
	ASDM-CC06-D125x8-d40-Z14	14-7	125	8	35	40	12		330,00 €
	ASDM-CC06-D160x8-d40-Z16	16-8	160	8	52	40	12		439,00 €
	ASDM-CC06-D200x8-d40-Z18	18-9	200	8	70	40	12	CC.. 0602..	549,00 €
	ASDM-CC06-D80x10-d27-Z10	10-5	80	10	17	27	14	ISO	186,00 €
	ASDM-CC06-D100x10-d32-Z12	12-6	100	10	25	32	14		219,00 €
	ASDM-CC06-D125x10-d40-Z14	14-7	125	10	35	40	14		330,00 €
	ASDM-CC06-D160x10-d40-Z16	16-8	160	10	52	40	14		439,00 €
	ASDM-CC06-D200x10-d40-Z18	18-9	200	10	70	40	14		549,00 €
	ASDM-CC09-D80x12-d27-Z08	8-4	80	12	17	27	16		186,00 €
	ASDM-CC09-D100x12-d32-Z10	10-5	100	12	25	32	16		219,00 €
	ASDM-CC09-D125x12-d40-Z12	12-6	125	12	35	40	16		330,00 €
	ASDM-CC09-D160x12-d40-Z14	14-7	160	12	52	40	16		439,00 €
	ASDM-CC09-D200x12-d40-Z16	16-8	200	12	70	40	16	CC.. 09T3..	549,00 €
	ASDM-CC09-D80x14-d27-Z08	8-4	80	14	17	27	18	ISO	186,00 €
	ASDM-CC09-D100x14-d32-Z10	10-5	100	14	25	32	18		219,00 €
	ASDM-CC09-D125x14-d40-Z12	12-6	125	14	35	40	18		330,00 €
	ASDM-CC09-D160x14-d40-Z14	14-7	160	14	52	40	18		439,00 €
	ASDM-CC09-D200x14-d40-Z16	16-8	200	14	70	40	18		549,00 €
	ASDM-CC12-D80x16-d27-Z06	6-3	80	16	17	27	20		186,00 €
	ASDM-CC12-D100x16-d32-Z08	8-4	100	16	25	32	20		219,00 €
	ASDM-CC12-D125x16-d40-Z10	10-5	125	16	35	40	20		330,00 €
	ASDM-CC12-D160x16-d40-Z12	12-6	160	16	52	40	20		439,00 €
	ASDM-CC12-D200x16-d40-Z14	14-7	200	16	70	40	20		549,00 €
	ASDM-CC12-D80x18-d27-Z06	6-3	80	18	17	27	22		186,00 €
	ASDM-CC12-D100x18-d32-Z08	8-4	100	18	25	32	22		219,00 €
	ASDM-CC12-D125x18-d40-Z10	10-5	125	18	35	40	22	CC.. 1204..	330,00 €
	ASDM-CC12-D160x18-d40-Z12	12-6	160	18	52	40	22	ISO	439,00 €
	ASDM-CC12-D200x18-d40-Z14	14-7	200	18	70	40	22		549,00 €
	ASDM-CC12-D250x18-d40-Z16	16-8	250	18	90	40	22		769,00 €
	ASDM-CC12-D80x20-d27-Z06	6-3	80	20	17	27	24		186,00 €
	ASDM-CC12-D100x20-d32-Z08	8-4	100	20	25	32	24		219,00 €
	ASDM-CC12-D125x20-d40-Z10	10-5	125	20	35	40	24		330,00 €
	ASDM-CC12-D160x20-d40-Z12	12-6	160	20	52	40	24		439,00 €
	ASDM-CC12-D200x20-d40-Z14	14-7	200	20	70	40	24		549,00 €
	ASDM-CC12-D250x20-d40-Z16	16-8	250	20	90	40	24		769,00 €

Cutting Calculation : P 82 / Schnittdatenberechnung : S 82

Ordering Example/Beispiel Bestellformular: 1 pcs. ASDM-SPGT05-D80x6-d27-Z10

TECHNICAL INFORMATION

USER'S GUIDE FOR AKKO U-DRILLS

Before connecting your U-Drill to CNC lathe, you have to check if the turret is eccentric from the center or not. If there is any eccentricity in your turret, never use your U-Drill;

Processes that should be done to fix the turret :

1. A cylindrical part whose surface is precision and whose length and diameter is the same with the U-Drill that you will use, should be mounted to the holder of turret and X value of the lathe should be brought to zero (0).
2. Comparator should be mounted to chuck. The end of the comparator should be contacted (touched) to the surface of the part that we mounted on the turret.
3. The comparator that we mounted on the chuck should be turned 360-degree with the chuck and turret should be zeroed by that turning according to changing rate of comparator.

CUTTING SPEED AND REVOLUTION THAT ARE NEEDED FOR USING (RUNNING) YOUR U-DRILLS MORE PRODUCTIVELY

Grup No.	Material	Material Type	Cutting Speed Vc (m/m)
1	Non-alloy steel and free cutting steel	C1010. Automat etc.	220
2	Low alloy steel and cast steel	C1030 - 106 etc.	200
3	Alloy steel and tool steel	CK-45, 4140, 7131 etc.	170
4	Hot Work Steel and Stainless Steel	Impax etc.	150

P.S. : The cutting speed may be concerned with the type of the insert that you use.

Fistly, choose the material to make calculation of revolution. You should multiply the cutting speed (Vc) of the material that you chose by 1000 and divide by 3.14. You should divide the value that you found by the diameter of U-Drill. For Example : If our material is alloy steel and tool steel (3rd group), diameter of the U-Drill is 25 mm, cutting speed is 170, we should calculate as following: $170 \times 1000 / 3.14 = 54140$, $54140 / 25 = 2166$ rpm is the result that we found (Spindle Speed) Feed rate of the lathe is concerned with the U-Drill that you will use and changes between 0.05 and 0.10. The user sets it according to cut of cutting insert.

FEED CALCULATION FOR CENRTRAL MACHINE :

2166 spindle speed, that we found as a result of above mentioned calculation, should be mutiplied by cutting insert feed (mm/r) between 0.05 and 0.10 feed choisses. Example 1 : $2166 \times 0.05 = 108$

Example 2 : $2116 \times 0.10 = 217$ The results 108 and 217 are the feed mm/m calculation for central machine.

CALCULATING SPINDLE SPEED and FEED RATE FOR MILLING PROCESS

Vc.	S	D	F	Z	fz	FORMULAS
Cutting Speed (Please read from the back-side of cutting insert box)	Spindle Revolution rpm	Milling Tool Diameter	Feed Rate	Number of Effective Tooth	Feed Per Tooth (Please Read From The Back Side of Cutting Insert Box)	Calculation of Revolution : $S = (Vc \times 1000) / (3.14 \times D)$ Feed Rate Calculation : $F = S \times Z \times fz$

For Example : We will make milling with milling tool whose diamention is D 50 mm, whose theeth number is Z=5. The spindle revolution was written as Vc=200m/mn at the back side of cutting insert box. Let's calculate the revolution that should be entered to the milling machine : Vc=200 m/mn D=50 mm

S = Firstly Cutting Speed is multiplied with 1000, the result should be divided by 3.14 , the last result should be divided by diameter of milling tool.

$S = 200 \times 1000 = 200000 \rightarrow 200000 / 3.14 = 63663 \rightarrow 63663 / 50 = 1273$ rev S=1273 rev / mn

After finding spindle revolution, let's find feed rate : milling tool with Z=5 teeth and we read fz=0,12 from the back side of cutting insert box.

F = Tooth number should be multiplied with revolution, the result should be multiplied with feed per tooth.

$F = 1273 \times 5 = 6365 \rightarrow 6365 \times 0,12 = 763$ F = 763 mm / mn

Revolution that should be entered to the milling machine = S 1273 Feed Rate that should be entered to the milling machine = F 763 average value.

P.S : The values Vc and fz has to be written at the back side of the cutting insert. If these values were not written on the cutting insert box, please find them from cutting insert catalogue. If the material that you will work is steel, please read Vc and fz values that were written on the part P, if it is stainless steel please read from the part M, if it is cast iron please read from the part K.

SHIMS

PRODUCT PICTURE	CODE	PRODUCT DETAIL		PRICE / PREIS
	AATN-2-0001	For S-SYSTEM	TCMT 16 SHIM	5,40 €
	AATN-2-0002	For T-M SYSTEM	TNMG 16 SHIM	5,40 €
		For C-SYSTEM	TNGN 16 SHIM	
	AATN-3-0025	For P-SYSTEM	TNMG 16 SHIM	5,40 €
	AATN-3-0015	For T-M-P SYSTEM	TNMG 22 SHIM	5,60 €
	AATN-2-0020	For THREADING 16 SHIM		5,60 €
	AATN-2-0004	For THREADING 22 SHIM		7,10 €
	ATS-16E	For THREADING 16 SHIM, EXTERNAL RIGHT - INTERNAL LEFT		8,00 €
	ATS-16I	For THREADING 16 SHIM, EXTERNAL LEFT - INTERNAL RIGHT		8,00 €
	ATS-22E	For THREADING 22 SHIM, EXTERNAL RIGHT - INTERNAL LEFT		11,00 €
	ATS-22I	For THREADING 22 SHIM, EXTERNAL LEFT - INTERNAL RIGHT		11,00 €
	ATS-27E	For THREADING 27 SHIM, EXTERNAL RIGHT - INTERNAL LEFT		20,40 €
	ATS-27I	For THREADING 27 SHIM, EXTERNAL LEFT - INTERNAL RIGHT		20,40 €
	AACN-2-0001	For S-SYSTEM	CCMT 09 SHIM	5,40 €
		For T-SYSTEM	CNMG 09 SHIM	
	AACN-2-0002	For P-SYSTEM	CNMG 09 SHIM	5,40 €
	AACN-2-0003	For S-SYSTEM	CCMT 12 SHIM	5,60 €
	AACN-3-0001	For T-M-P SYSTEM	CNMG 12 SHIM	5,60 €
		For C-SYSTEM	CNGN 12 SHIM	
	AACN-3-0002	For T-P SYSTEM	CNMG 16 SHIM	7,70 €
	AACN-3-0003	For T-P SYSTEM	CNMG 19 SHIM	12,80 €
	AACN-3-0008	For T-P SYSTEM	CNMG 25 SHIM	20,40 €
	AAWN-3-0001	For T-M-P SYSTEM	WNMG 08 SHIM	5,60 €
	AAWN-SW317	For T-M-P SYSTEM	WNMG 06 SHIM	5,40 €
	AKS-16L	For C-SYSTEM	KNUX-L 16 SHIM	5,60 €
	AKS-16R	For C-SYSTEM	KNUX-R 16 SHIM	5,60 €
	AASN-2-0001	For S-SYSTEM	SCMT 09 SHIM	5,40 €
	AASN-2-0002	For P-SYSTEM	SNMG 09 SHIM	5,40 €
	AASN-2-0004	For S-SYSTEM	SCMT 12 SHIM	5,60 €
	AASN-3-0004	For T-P SYSTEM	SNMG 12 SHIM	5,60 €
		For C-SYSTEM	SNGN 12 SHIM	
	AASN-3-0023	For T-P SYSTEM	SNMG 15 SHIM	7,70 €
	AASN-3-0005	For T-P SYSTEM	SNMG 19 SHIM	12,80 €
	AASN-3-0020	For T-P SYSTEM	SNMG 25 SHIM	20,40 €
	AASN-20020	For PSDNN CARTRIDGE	SNMG 12 SHIM	10,20 €
	AADN-2-0001	For S-SYSTEM	DCMT 11 SHIM	5,40 €
		For T-SYSTEM	DNMG 11 SHIM	
	AADN-SD317	For P- SYSTEM	DNMG 11 SHIM	5,40 €
	AADN-3-0001	For T-M-P SYSTEM	DNMG 15 SHIM	5,60 €
		For C-SYSTEM	DNGN 15 SHIM	
	AADN-2-0003	For T-SYSTEM	DNMG 15 THICK SHIM	7,70 €
	AAVN-2-0002	For S-SYSTEM	VBMT 16, VCMT 16 SHIM	5,60 €
		For T-SYSTEM	VNMG 16 SHIM	

SPARE PARTS / ERSATZTEILE

CLAMPS

PRODUCT PICTURE	CODE	PRODUCT DETAIL		PRICE / PREIS
	ATK-01	For T-SYSTEM	DNMG 11, WNMG 06, TNMG 16, CNMG 09 CLAMP	6,60 €
	ATK-02	For T-SYSTEM	CNMG 12, WNMG 08, TNMG 22, DNMG 15, SNMG 12 CLAMP	6,60 €
	ATK-03	For T-SYSTEM	VNMG 16 CLAMP	6,60 €
	ATK-04	For T-SYSTEM	CNMG 16, SNMG 15 CLAMP	6,60 €
	AMK-01	For M-SYSTEM	WNMG 06 CLAMP	6,60 €
	AMK-02	For M-SYSTEM	INTERNAL Ø20 TNMG 16 Ø25 MT-NR/L 16 CLAMP	6,60 €
	AMK-03	For M-SYSTEM	DNMG 11, CNMG 12 CLAMP	6,60 €
	AMK-04	For M-SYSTEM	DNMG 15, TNMG 16-22 CLAMP	6,60 €
	AMK-05	For M-SYSTEM	WNMG 08 CLAMP	6,60 €
	ACK-01	For C-SYSTEM	KNUX-R CLAMP	6,60 €
	ACK-02	For C-SYSTEM	KNUX-L CLAMP	6,60 €
	ACK-03	For C-SYSTEM	154.91 EXTERNAL and INTERNAL Ø25-Ø32 CLAMP	6,60 €
	ACK-04	For P-C-SYSTEM	CTFPR CARTRIDGE CLAMP	6,60 €
	ACK-05	For P-C-SYSTEM	ADDITIONAL LITTLE CLAMP for MILLING and THREADING TOOLS	6,60 €
	ACK-06	For C-SYSTEM	154.91 INTERNAL Ø16-Ø20 CLAMP	6,60 €
	ACK-07	For C-SYSTEM	SPARE PART SET of CNGN, SNGN, DNGN (CLAMP+CLAMP SCREW+RING)	12,10 €
	ACK-08	For C-SYSTEM	SPARE PART SET of TNGN, (CLAMP+CLAMP SCREW+RING)	12,10 €
	ACK-09	For P-SYSTEM	ADDITIONAL BIG CLAMP for CNMG 16-19, SNMG 15-19	6,60 €
	ACK-10	For C-SYSTEM MILLING	SPKN 12 and Ø50-Ø63 TPKN 16 CLAMP (M8x8)	6,60 €
	ACK-11	For C-SYSTEM MILLING	Ø80-Ø100 TPKN 16-TPKN 22, OFKR 07, HNMX 09 CLAMP (M8x10)	6,60 €
	ACK-12	For C-SYSTEM	CTSPR CARTRIDGE CLAMP	6,60 €
	ACK-15	For S-SYSTEM MILLING	RD.. 10-12 CLAMP	6,60 €
	ACK-19	For S-SYSTEM MILLING	WDMT 0805 CLAMP	6,60 €

SPARE PARTS / ERSATZTEILE

CLAMP SCREWS

PRODUCT PICTURE	CODE	PRODUCT DETAIL		PRICE / PREIS
	AKV-01-M5X22	For T-SYSTEM	DNMG 11, WNMG 06, TNMG 16 CLAMP SCREW (M5X20)	1,80 €
	AKV-02-M6X22	For T-SYSTEM	CNMG 12, WNMG 08, TNMG 22, DNMG 15, SNMG 12-15 VNMG 16 CLAMP SCREW (M6X20)	1,80 €
		For M-SYSTEM	TNMG 16-22, DNMG 15 CLAMP SCREW (M6X20)	1,80 €
	AKV-03-M6X22	For M-SYSTEM	WNMG 08 CLAMP SCREW (M6X20)	1,80 €
	AKV-04-M5X17	For M-SYSTEM	S20R MT-NR/L 16, S20R-S25S MWLNR/L 06, S25S MDUNR/L 11- EX- TERNAL MWLNR 06 (M5X20)	1,80 €
	AKV-05-M6X25	For T-SYSTEM	CNMG 16 CLAMP SCREW (M6X25)	1,80 €
	AKV-06-M6X20	For C-SYSTEM	KNUX 16 CLAMP SCREW (M6X20)	2,20 €
	AKV-07-M6X22	For C-SYSTEM	ADKT-154.91, AIKT-154.91-R/L-32 CLAMP SCREW (M6X20)	1,80 €
	AKV-10-M6X14	For C-SYSTEM	AIKT-154.91-R/L-16, AIKT-154.91-R/L-20, AIKT-154.91-R/L-25 CLAMP SCREW (M6X15)	1,80 €
	AKV-11-M8X29	For C-SYSTEM	TNGN, CNGN, DNGN, SNGN CLAMP SCREW (M8X33)	2,20 €
	AAV-05-M6X15	For P-SYSTEM	CNMG 16-19, SNMG 15-19 ADDITIONAL BIG CLAMP SCREW (M6X15)	1,80 €
	AKV-12-M5X12	For C-SYSTEM	CTSPR CLAMP SCREW (M5X9)	1,80 €
	AKV-13-M8X1X16	For C-SYSTEM MILLING	SPKN 12 and Ø63 TPKN 16 CLAMP SCREW (M8X1X16)	2,20 €
	AKV-14-M8X1X18	For C-SYSTEM MILLING	Ø80-Ø100 TPKN 16 and Ø63-Ø315 TPKN 22 CLAMP SCREW (M8X1X18)	2,20 €
	AKV-15-M8X1X20	For C-SYSTEM MILLING	OFKR 07, HNMX 09 CLAMP SCREW (M8X1X20)	2,20 €
	AKV-16-M6X16	For C-SYSTEM	CTFPR 13CS 16 CLAMP SCREW (M6X16)	2,20 €
	AKV-17-M5X15	For M-SYSTEM	S16P MWLNR/L CLAMP SCREW (M5X18)	1,80 €
	AKV-19-M7X25	For T-SYSTEM	CNMG 16 CLAMP SCREW (M7X25)	2,20 €
	AKV-20-M6X19	For M-SYSTEM	S25S MDUNR/L 15 CLAMP SCREW (M6X19)	1,80 €
	AKV-21-M6X18	For C-SYSTEM	AIKT-154.91-R/L-25 CLAMP SCREW (M6X18)	1,80 €
	AKV-22-M8X1X14	For C-SYSTEM MILLING	Ø50 TPKN 16 CLAMP SCREW (M8X1X14)	2,20 €

SPARE PARTS / ERSATZTEILE

SHIM SCREWS

PRODUCT PICTURE	CODE	PRODUCT DETAIL		PRICE / PREIS
	AAV-01-M3X10	For T-SYSTEM	WNMG 06, KNUX 16 SHIM SCREW	1,10 €
	AAV-02-M5X12	For T-SYSTEM	CNMG 12, WNMG 08, TNMG 22, DNMG 15, SNMG 12	1,10 €
		For C-SYSTEM	CNGN 12, SNGN 12, DNGN 15 SHIM SCREW	
	AAV-03-M5X12	For T-SYSTEM	TNMG 16 SHIM SCREW	1,10 €
		For C-SYSTEM	TNGN 16 SHIM SCREW	
	AAV-04-M5X12	For T-SYSTEM	VNMG 16, DNMG 11, CNMG 09 SHIM SCREW	1,10 €
	AAV-05-M6X15	For T-SYSTEM	CNMG 16 SHIM SCREW	1,80 €
	AAV-06-M3.5X11	For S-SYSTEM	CCMT 09, DCMT 11, VBMT 16, VCMT 16 TCMT 16, THREADING 16 SHIM SCREW (M3.5 SHIM SCREW)	3,30 €
	AAV-07-M4.5X11	For S-SYSTEM	CCMT 12, SCMT 12, THREADING 22 SHIM SCREW (M4.5 SHIM SCREW)	3,30 €
	AAV-08-M3.5X8	For S-SYSTEM	(M3.5x8 SHIM SCREW)	3,30 €
	AAV-09-M5X9	For T-SYSTEM	S25S TCLNR/L 09, S25S TDUNR/L 11, S25S TDQNR/L 11 SHIM SCREW	1,10 €
	AAV-10-M4.5X8	For S-SYSTEM	(M4.5x8 SHIM SCREW)	3,30 €
	AAV-11-U5-40X4.5	For S-SYSTEM	For THREADING TOOLHOLDERS 16 ER/L, 16 IR/L SHIM SCREW	2,20 €
	AAV-12-U8-32X5.5	For S-SYSTEM	For THREADING TOOLHOLDERS 22 ER/L, 22 IR/L SHIM SCREW	2,20 €
	AAV-13-M5X8	For T-SYSTEM	S25S TSKNR/L 12, S25S TCLNR/L 12, S25S TWLNR/L 08 SHIM SCREW	1,10 €
	AAV-14-M5X20		ADCR CHAMFERING RING TOOLS MOUNTING SCREW	1,10 €
	AAV-15-M5X5.7	For S-SYSTEM	For THREADING TOOLHOLDERS 27 ER/L, 27 IR/L SHIM SCREW	2,20 €

PINS

PRODUCT PICTURE	CODE	PRODUCT DETAIL		PRICE / PREIS
	APM-01	For M-SYSTEM	INTERNAL Ø25-Ø32-Ø40 and EXTERNAL TNMG 16 PIN	2,20 €
	APM-02	For M-SYSTEM	TNMG 22, WNMG 08 PIN	2,20 €
	APM-03	For M-SYSTEM	S20R MTFNR/L 16, S20R MT-NR/L 16, S20R MTUNR/L 16, S20R MTQNR/L 16, S20R MDUNR/L 11PIN	2,20 €
	APM-04	For M-SYSTEM	S32T MCLNR/L 12, DNMG 15, S25S MWLNR/L 08 PIN	2,20 €
	APM-05	For M-SYSTEM	MSYNR 11.5CS 12 for CARTEIGE SNMG 12 PIN	4,40 €
	APM-06	For C-SYSTEM	154.91 PIN	2,20 €
	APM-07	For M-SYSTEM	S20R ET-NR 16 PIN	6,60 €
	APM-08	For M-SYSTEM	S25S MWLNR/L 06, EXTERNAL PIN	2,20 €
	APM-09	For M-SYSTEM	S16P MWLNR/L 06 PIN	2,20 €
	APM-10	For M-SYSTEM	S20R MWLNR/L 06 PIN	2,20 €
	APM-11	For M-SYSTEM	S20R MTQNR/L 16 PIN	2,20 €
	APM-12	For M-SYSTEM	S20R MCLNR/L 12, S25S MCLNR/L 12-Z PIN	2,20 €
	APM-13	For M-SYSTEM	S25S MCLNR/L 12 PIN	2,20 €
	APM-14	For M-SYSTEM	S25S MTFNR/L 16, S25S MT-NR/L 16, S25S MTUNR/L 16, S25S MTQNR/L 16 PIN	2,20 €
	APM-15	For M-SYSTEM	MSYNR 16CS 12 for CARTRIGE SNMG 12 PIN	4,40 €

SPARE PARTS / ERSATZTEILE

RING

PRODUCT PICTURE	CODE	PRODUCT DETAIL		PRICE / PREIS
	ACS-01	For C-SYSTEM	TNGN, CNGN, DNGN, SNGN, SEKMANI	1,10 €

STAMP

PRODUCT PICTURE	CODE	PRODUCT DETAIL		PRICE / PREIS
	ABPL-01	For T-SYSTEM	DNMG 11-15, WNMG 06-08, TNMG 16-22, VNMG 16, CNMG 12, SNMG 12 STAMP	0,20 €
		For M-SYSTEM	INTERNAL Ø25-Ø32-Ø40 and EXTERNAL TNMG 16-22, DNMG 15, WNMG 08 STAMP	
		For C-SYSTEM	KNUX 16 STAMP	
	ABPL-02	For T-SYSTEM	CNMG 16 STAMP	0,20 €

CLAMP SPRING

PRODUCT PICTURE	CODE	PRODUCT DETAIL		PRICE / PREIS
	AKY-01	For T-SYSTEM	CNMG 12, WNMG 08, TNMG 22, DNMG 15, SNMG 12, VNMG 16 CLAMP SPRING	1,10 €
	AKY-02	For C-SYSTEM	KNUX 16 CLAMP SPRING	1,10 €

LEVERS

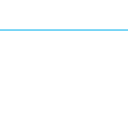
PRODUCT PICTURE	CODE	PRODUCT DETAIL		PRICE / PREIS
	APL-01	For P-SYSTEM	CNMG 09, DNMG 11, SNMG 09, TNMG 16, WNMG 06 LEVER	7,70 €
	APL-02	For P-SYSTEM	CNMG 12, SNMG 12, TNMG 22, WNMG 08 LEVER	7,70 €
	APL-03	For P-SYSTEM	DNMG 15 LEVER	7,70 €
	APL-04	For P-SYSTEM	CNMG 16, SNMG 15 LEVER	7,70 €
	APL-05	For P-SYSTEM	CNMG 19, SNMG 19 LEVER	13,20 €
	APL-06	For P-SYSTEM	CNMG 25, SNMG 25 LEVER	19,80 €
	APL-07	For P-SYSTEM	S16P PCLNR/L 09, S16P PTUNR/L 16 LEVER	7,70 €

LEVER SCREWS

PRODUCT PICTURE	CODE	PRODUCT DETAIL		PRICE / PREIS
	ALV-01-M6X14	For P-SYSTEM	INTERNAL Ø20 DNMG 11 Ø20 TNMG 16 LEVER SCREW (M6X14)	2,60 €
	ALV-02-M6X17	For P-SYSTEM	DNMG 11, TNMG 16, WNMG 06 LEVER SCREW (M6X17)	2,60 €
	ALV-03-M8X19	For P-SYSTEM	CNMG 12, SNMG 12, TNMG 22, WNMG 08, DNMG 15 LEVER SCREW (M8X19)	2,60 €
	ALV-04-M8X22	For P-SYSTEM	CNMG 16, SNMG 15 LEVER SCREW (M8X22)	2,60 €
	ALV-05-M10X27	For P-SYSTEM	CNMG 19, SNMG 19 LEVER SCREW (M10X27)	3,10 €
	ALV-06-M12X36	For P-SYSTEM	CNMG 25, SNMG 25 LEVER SCREW (M12X36)	5,70 €
	ALV-07-M6X13	For P-SYSTEM	S16P PCLNR/L 09, S16P PCTUR/L 16 LEVER SCREW (M6X13)	2,60 €
	ALV-08-M8X17	For P-SYSTEM	S25S PCLNR/L 12, S25S PDUNR/L 15, S25S PSKNR/L 12 LEVER SCREW	2,60 €

SPARE PARTS / ERSATZTEILE

TORX SCREWS

PRODUCT PICTURE	CODE	PRODUCT DETAIL		PRICE / PREIS
	3006-M1.8X4	For S-SYSTEM	TORX SCREW	5,50 €
	3006-M2X4	For S-SYSTEM	TORX SCREW	3,60 €
	4006-M2X5	For S-SYSTEM	TORX SCREW	2,20 €
	3007-M2.2X5	For S-SYSTEM	TORX SCREW	3,60 €
	4006-M2.2X5	For S-SYSTEM	TORX SCREW	2,20 €
	1008-M2.5X5	For S-SYSTEM	TORX SCREW	1,10 €
	1008-M2.5X7	For S-SYSTEM	TORX SCREW	1,10 €
	1108-M2.5x6	For S-SYSTEM	TORX SCREW	6,60 €
	3008-M2.5X5	For S-SYSTEM	TORX SCREW	3,60 €
	3008-M2.5X6	For S-SYSTEM	TORX SCREW	3,60 €
	4008-M2.5X4	For S-SYSTEM	TORX SCREW	2,20 €
	4008-M2.5X4.5	For S-SYSTEM	TORX SCREW	2,20 €
	4008-M2.5X6	For S-SYSTEM	TORX SCREW	2,20 €
	1008-M3X6	For S-SYSTEM	TORX SCREW	1,10 €
	1008-M3X8	For S-SYSTEM	TORX SCREW	1,10 €
	3008-M3X7	For S-SYSTEM	TORX SCREW	3,60 €
	4008-M3X8	For S-SYSTEM	TORX SCREW	2,20 €
	4010-M3X6	For S-SYSTEM	TORX SCREW	2,20 €
	4010-M3X8	For S-SYSTEM	TORX SCREW	2,20 €
	1015-M3.5X11	For S-SYSTEM	TORX SCREW	1,10 €
	1015-M3.5X14	For S-SYSTEM	TORX SCREW	1,10 €
	1015-M3.5X16	For S-SYSTEM	TORX SCREW	1,10 €
	1015-M3.5X9	For S-SYSTEM	TORX SCREW	1,10 €
	1315-M3.5X11	For S-SYSTEM	TORX SCREW	1,10 €
	1410-M3.5X9	For S-SYSTEM	TORX SCREW	1,10 €
	1510-M3.5X7	For S-SYSTEM	TORX SCREW	1,10 €
	1510-M3.5X9	For S-SYSTEM	TORX SCREW	1,10 €
	1615-M3.5X10	For S-SYSTEM	TORX SCREW	1,10 €
	1615-M3.5X11	For S-SYSTEM	TORX SCREW	1,10 €
	1615-M3.5X15	For S-SYSTEM	TORX SCREW	1,10 €
	3015-M3.5X9	For S-SYSTEM	TORX SCREW	3,60 €
	4015-M3.5X10	For S-SYSTEM	TORX SCREW	2,20 €
	4015-M3.5X11	For S-SYSTEM	TORX SCREW	2,20 €
	4015-M3.5X12	For S-SYSTEM	TORX SCREW	2,20 €
	4015-M3.5X14	For S-SYSTEM	TORX SCREW	2,20 €
	4015-M3.5X8	For S-SYSTEM	TORX SCREW	2,20 €
	4015-M3.5X9	For S-SYSTEM	TORX SCREW	2,20 €
	1015-M4X11	For S-SYSTEM	TORX SCREW	3,30 €
	1115-M4x10	For S-SYSTEM	TORX SCREW	6,60 €
	1315-M4X11	For S-SYSTEM	TORX SCREW	1,10 €
	1415-M4X11	For S-SYSTEM	TORX SCREW	1,10 €
	1515-M4X11	For S-SYSTEM	TORX SCREW	1,10 €
	1515-M4X9	For S-SYSTEM	TORX SCREW	1,10 €
	1615-M4X11	For S-SYSTEM	TORX SCREW	1,10 €
	4015-M4X12	For S-SYSTEM	TORX SCREW	2,20 €
	1015-M4.5X12	For S-SYSTEM	TORX SCREW	1,10 €
	1020-M4.5X16	For S-SYSTEM	TORX SCREW	1,10 €
	1120-M4.5X12	For S-SYSTEM	TORX SCREW	3,30 €
	1515-M4.5X11	For S-SYSTEM	TORX SCREW	1,10 €
	4020-M4.5X12	For S-SYSTEM	TORX SCREW	2,20 €
	1020-M5X11	For S-SYSTEM	TORX SCREW	1,10 €
	1020-M5X14	For S-SYSTEM	TORX SCREW	1,10 €
	1615-M5X14	For S-SYSTEM	TORX SCREW	3,30 €
	1620-M5X18	For S-SYSTEM	TORX SCREW	3,60 €
	1620-M5X22	For S-SYSTEM	TORX SCREW	3,60 €
	1020-M6X16	For S-SYSTEM	TORX SCREW	1,50 €
	1420-M6X16	For S-SYSTEM	TORX SCREW	1,50 €
	1520-M6X16	For S-SYSTEM	TORX SCREW	1,50 €
	1710-U5-40X12.2	For S-SYSTEM	TORX SCREW	3,60 €
	1720-U8-32X15	For S-SYSTEM	TORX SCREW	3,60 €

SPARE PARTS / ERSATZTEILE

SHIM SPRING

PRODUCT PICTURE	CODE	PRODUCT DETAIL		PRICE / PREIS
	AAY-01	For P-SYSTEM	DNMG 11, TNMG 16, WNMG 06, CNMG 09, SNMG 09 SHIM SPRING	1,50 €
	AAY-02	For P-SYSTEM	CNMG 12, SNMG 12, TNMG 22, WNMG 08, DNMG 15 SHIM SPRING	1,50 €
	AAY-03	For P-SYSTEM	CNMG 16, SNMG 15 SHIM SPRING	1,50 €
	AAY-04	For P-SYSTEM	CNMG 19, SNMG 19 SHIM SPRING	1,50 €
	AAY-05	For P-SYSTEM	CNMG 25, SNMG 25 SHIM SPRING	2,90 €

PROFIL MILLING SCREWS

PRODUCT PICTURE	CODE	PRODUCT DETAIL	PRICE / PREIS
	1208-M3x7	PROFIL MILLING SCREW-P3208 INSERT SCREW	6,60 €
	1215-M4X0.5X9	PROFIL MILLING SCREW-P3210-ROHX 12 INSERT SCREW	6,60 €
	1220-M5X0.5X9	PROFIL MILLING SCREW-P3212 INSERT SCREW	6,60 €
	1220-M5X0.5X12	PROFIL MILLING SCREW-P3216-ROHX 16 INSERT SCREW	6,60 €
	1220-M5X0.5X15	PROFIL MILLING SCREW-P3220-ROHX 20 INSERT SCREW	6,60 €
	1220-M6X0.75X20	PROFIL MILLING SCREW-P3225 INSERT SCREW	8,80 €
	1204-M8X0.75X26	PROFIL MILLING SCREW-P3232 INSERT SCREW	11,00 €

EXCENTRIC SCREW

PRODUCT PICTURE	CODE	PRODUCT DETAIL	PRICE / PREIS
	AEV-01-M6x16	CARTRIDGE EXCENTRIC SCREW	6,60 €

MOUNTING and ADJUSTING SCREWS

PRODUCT PICTURE	CODE	PRODUCT DETAIL	PRICE / PREIS
	2406-M8x30	A16 MOUNTING SCREW (SMALL HEAD)	1,80 €
	2506-M8x30	A16 MOUNTING SCREW	1,80 €
	2407-M10x30	A22 MOUNTING SCREW	1,80 €
	2408-M10x30	A22 MOUNTING SCREW (SMALL HEAD)	1,80 €
	2508-M10x30	A22 MOUNTING SCREW	1,80 €
	2408-M12x35	A27 MOUNTING SCREW	1,80 €
	2410-M12x35	A27 MOUNTING SCREW (SMALL HEAD)	1,80 €
	2510-M12x35	A27 MOUNTING SCREW	1,80 €
	2514-M16x35	A32 MOUNTING SCREW	1,80 €
	2504-M5x16	CARTRIDGE MOUNTING SCREW	1,80 €
	2505-M6x16	CARTRIDGE MOUNTING SCREW	1,80 €
	2505-M6x40	CARTRIDGE MOUNTING SCREW	1,80 €
	2506-M8x20	CARTRIDGE MOUNTING SCREW	1,80 €
	AKV-23-M4x10	CARTRIDGE MOUNTING SCREW	1,80 €
	2600-M4x9.5	CARTRIDGE AXIAL ADJUST SCREW	1,80 €
	2600-M5x13	CARTRIDGE AXIAL ADJUST SCREW	1,80 €
	2600-M6x18	CARTRIDGE AXIAL ADJUST SCREW	1,80 €
	2725-M5x10	CARTRIDGE RADIAL ADJUST SCREW	1,10 €

ALLEN KEYS

PRODUCT PICTURE	CODE	PRODUCT DETAIL	PRICE / PREIS
	AAL-01-2 mm	ALLEN KEY	1,10 €
	AAL-02-2.5 mm	ALLEN KEY	1,10 €
	AAL-03-3 mm	ALLEN KEY	1,10 €
	AAL-05-4 mm	ALLEN KEY	1,30 €
	AAL-07-5 mm	ALLEN KEY	1,80 €

SPARE PARTS / ERSATZTEILE

ROUGH BORING HEADS

PRODUCT PICTURE	CODE	PRODUCT DETAIL	PRICE / PREIS
	ABKS-D16	ABKS-D16 CARTRIDGE FIXING CLAMP	6.60 €
	ABKS-D20	ABKS-D20 CARTRIDGE FIXING CLAMP	6.60 €
	ABKS-D25	ABKS-D25 CARTRIDGE FIXING CLAMP	6.60 €
	ABKS-D32	ABKS-D32 CARTRIDGE FIXING CLAMP	6.60 €
	ABKS-D40	ABKS-D40 CARTRIDGE FIXING CLAMP	6.60 €
	ABKS-D50	ABKS-D50 CARTRIDGE FIXING CLAMP	11.00 €
	ABKS-D63	ABKS-D63 CARTRIDGE FIXING CLAMP	11.00 €
	ABKS-D80	ABKS-D80 CARTRIDGE FIXING CLAMP	11.00 €
	2525-M3X14	2525-M3X14 CARTRIDGE MOUNTING SCREW	1.80 €
	2503-M4X15	2503-M4X15 CARTRIDGE MOUNTING SCREW	1.80 €
	2503-M4X20	2503-M4X20 CARTRIDGE MOUNTING SCREW	1.80 €
	2504-M5X25	2504-M5X25 CARTRIDGE MOUNTING SCREW	1.80 €
	2505-M6X30	2505-M6X30 CARTRIDGE MOUNTING SCREW	1.80 €
	2506-M8X35	2506-M8X35 CARTRIDGE MOUNTING SCREW	1.80 €
	2508-M10X40	2508-M10X40 CARTRIDGE MOUNTING SCREW	1.80 €
	2715-M3X4	2715-M3X4 CARTRIDGE MOUNTING SCREW	1.10 €
	2715-M3X5	2715-M3X5 CARTRIDGE RADIAL ADJUST SCREW	1.10 €
	2715-M3X8	2715-M3X8 CARTRIDGE RADIAL ADJUST SCREW	1.10 €
	2702-M4X12	2702-M4X12 CARTRIDGE RADIAL ADJUST SCREW	1.10 €
	2725-M5X12	2725-M5X12 CARTRIDGE RADIAL ADJUST SCREW	1.10 €
	2725-M5X14	2725-M5X14 CARTRIDGE RADIAL ADJUST SCREW	1.10 €
	2703-M6X16	2703-M6X16 CARTRIDGE RADIAL ADJUST SCREW	1.10 €
	2704-M8X25	2704-M8X25 CARTRIDGE RADIAL ADJUST SCREW	1.10 €

GROOVING TOOLS SCREWS

PRODUCT PICTURE	CODE	PRODUCT DETAIL	PRICE / PREIS
	AKV-02-M6x20	GROOVING TOOL SCREW	1.80 €
	2503-M4x10	GROOVING TOOL SCREW	1.80 €
	2503-M4x16	GROOVING TOOL SCREW	1.80 €
	2504-M5x12	GROOVING TOOL SCREW	1.80 €
	2504-M5x16	GROOVING TOOL SCREW	1.80 €
	2505-M6x16	GROOVING TOOL SCREW	1.80 €
	2505-M6x20	GROOVING TOOL SCREW	1.80 €
	2004-M8x20	GROOVING TOOL SCREW	2.20 €
	2004-M8x1x20	GROOVING TOOL SCREW	2.20 €
	1904-M8x1x20	GROOVING TOOL SCREW	2.20 €

TORX KEYS

PRODUCT PICTURE	CODE	PRODUCT DETAIL	PRICE / PREIS
	80-T6	TORX KEY	3.30 €
	80-T7	TORX KEY	3.30 €
	80-T8	TORX KEY	3.30 €
	80-T10	TORX KEY	3.30 €
	80-T15	TORX KEY	3.30 €
	80-T20	TORX KEY	3.30 €
	81-T15	T-TYPE TORX KEY	3.30 €
	81-T20	T-TYPE TORX KEY	3.30 €

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the spoken kalite...
quality...





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