

FRIDRO

ALL IN ONE PLACE

10/25
Achtech TOOLS
Special offer
valid until: 31.01.2026

Inserts

Designed for high-precision and efficient metal machining.

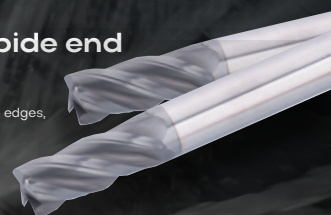
06



Solid Carbide end Mill M200

Eco line with 4 cutting edges, workpiece hardness up to HRC45!

16



Mailling head AHM20

High-quality milling tools and inserts for corefree machining.

19



ACHTECK

New Energy Vehicle Tooling Solutions

Reducer Housing

Application: Face milling

Solution: Custom brazed PCD tools

- Customized to client-specific dimensions.
- Integrated spot facing and chamfering ensures dimensional accuracy.

Application: Joint surface machining

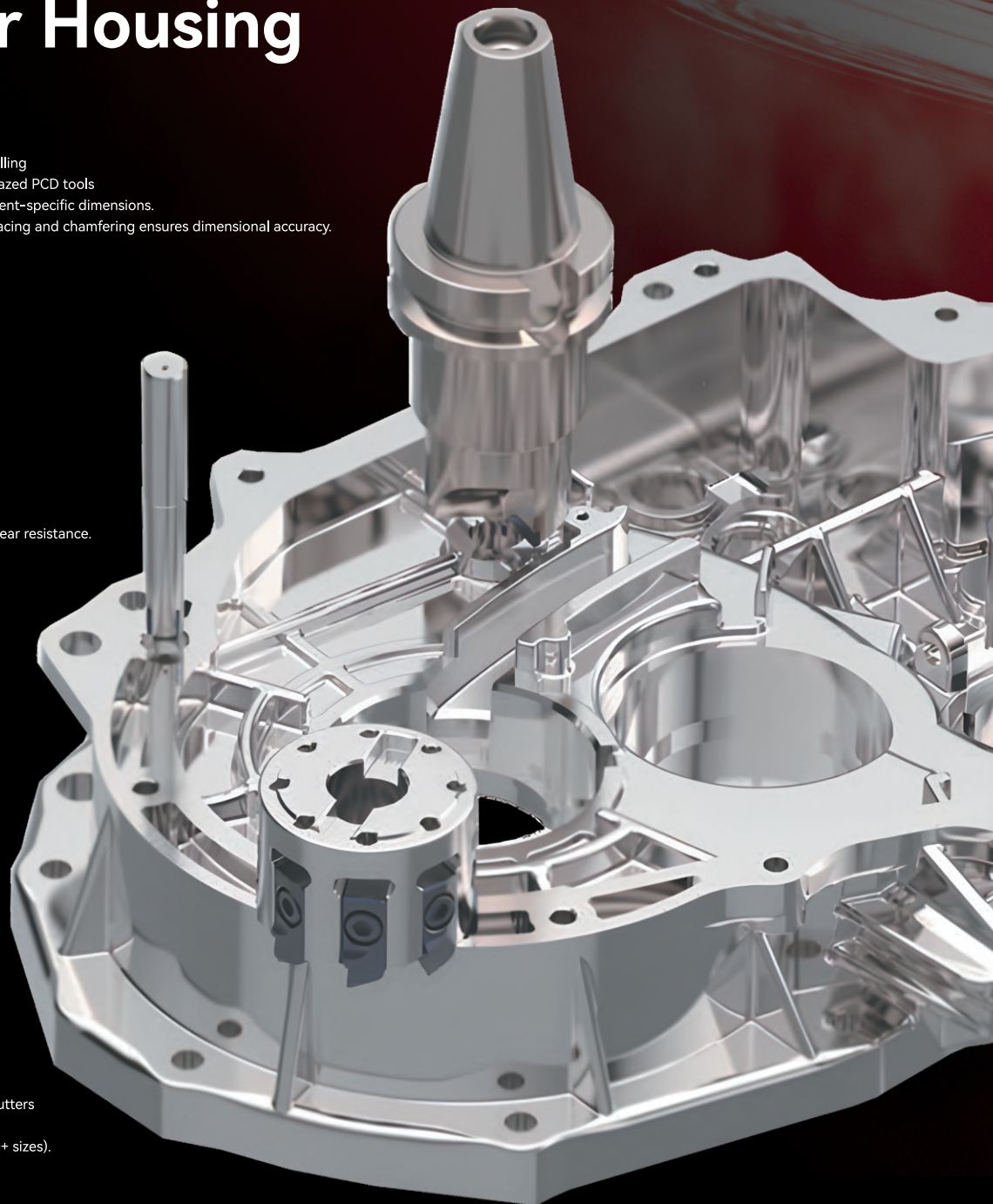
Solution: Brazed PCD reamers

- Semi-custom design for fast delivery.
- PD10 grade delivers high efficiency and wear resistance.

Application: Pin hole machining

Solution: Adjustable PCD face milling cutters

- Bore diameter range: D50–D250.
- Aluminum alloy cutter body (for D80+ sizes).
- Precision internal coolant channels
+ variable pitch design.
- Optional types: face milling,
square shoulder milling, overlapping
curve surface milling, wiper edge.



ACHTECK



More on QR code!

Application: Bearing hole finishing
Solution: Custom fine boring tools

- High rigidity and lightweight compact design.
- Vernier adjustment mechanism for rapid machining size calibration.

Application: Hole finishing
Solution: Custom step drills

- Combined bottom drilling and chamfering in one operation.
- Dual internal coolant holes, to optimize cooling and chip evacuation

2025
NEW

Small tools

Product Features and Applications

- Small tools has a wide range of product offering combined with various grades to meet the machining requests of different applications
- Ground inserts with geometry UF and LF are good for high precision finishing and good chip breaking
- Multi-function ASW series could combine with parting off, backturning and threading inserts for multipurpose machining to reduce the cost
- Small Dia. solid carbide cutting tools can cover different machining, such as grooving, threading and small diameter boring



More models and info
on QR code!

Grooving Inserts

Product Features and Applications

* Double edged inserts

- Holder offering included external, internal, face grooving, turning and profile machining
- Inserts width: 2-8mm
- Grooving and parting off geometries: CS, CM, CH
- Grooving and turning geometries: GS, TS, TM, RM, RA
- High precision ground inserts are covering 1-8mm, can be used in parting, grooving and profile machining
- Unique rake geometry design combined with double relief angle on the sides, obtained more clearance in face grooving and internal grooving, so that it could machine bigger diameter



More models and info
on QR code!

The expert of difficult machine



More models and info
on QR code!



AFM45-SE12 Face Milling Cutter

Product Features and Applications

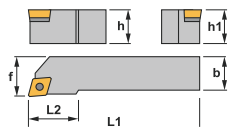
- Positive-rake flute design with large rake angle for smooth cutting and low resistance.
- Multiple geometries adapt to diverse machining conditions.
- Including short and long shank forms for roughing, semi-finishing, and finishing.
- 45° approach angle with course/fine pitch options for broad versatility.
- Integrated stiffener in cutter body, ensuring safety and stability.
- Diameter range: Ø62–250mm (shank-type, cylindrical shank, side-lock shank).
- Black oxide surface treatment enhances corrosion resistance and precision.



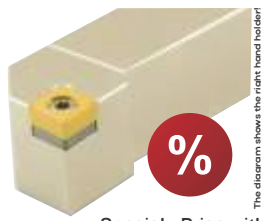
More models and info
on QR code!



Holder SCLC 95°



from: **5,00**
price/PC



The diagram shows the right hand holder!

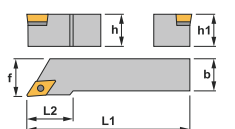
RIGHT-hand version!

Cat. num.	Product code	h=h1	b	L1	l2	f	Special price	Price with 30 inserts
M.01.01.03.19.06	SCLCR 0808 E06	8	8	60	12	10	28,00	5,00
M.01.01.03.19.05	SCLCR 1010 E06	10	10	70	14	12	28,00	5,00
M.01.01.03.19.01	SCLCR 1212 F09	12	12	80	16	16	29,00	5,00
M.01.01.03.19.02	SCLCR 1616 H09	16	16	100	18	20	31,00	5,00
M.01.01.03.19.07	SCLCR 2020 K09	20	20	125	22	25	33,00	5,00
M.01.01.03.19.03	SCLCR 2020 K12	20	20	125	22	25	33,00	5,00
M.01.01.03.19.09	SCLCR 2525 M12	25	25	150	28	32	34,00	5,00

LEFT-hand version!

Cat. num.	Product code	h=h1	b	L1	l2	f	Special price	Price with 30 inserts
M.01.01.03.20.06	SCLCL 0808 E06	8	8	60	12	10	28,00	5,00
M.01.01.03.20.05	SCLCL 1010 E06	10	10	70	14	12	28,00	5,00
M.01.01.03.20.01	SCLCL 1212 F09	12	12	80	16	16	29,00	5,00
M.01.01.03.20.02	SCLCL 1616 H09	16	16	100	18	20	31,00	5,00
M.01.01.03.20.09	SCLCL 2020 K09	20	20	125	22	25	33,00	5,00
M.01.01.03.20.03	SCLCL 2020 K12	20	20	125	22	25	33,00	5,00
M.01.01.03.20.08	SCLCL 2525 M12	25	25	150	28	32	34,00	5,00

Holder SDJC 93°



from: **5,00**
price/PC



The diagram shows the right hand holder!

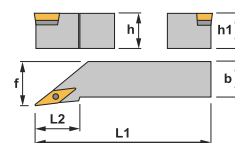
RIGHT-hand version!

Cat. num.	Product code	h=h1	b	L1	l2	f	Special price	Price with 30 inserts
M.01.01.03.12.07	SDJCR 1010 E07	10	10	70	14	12	28,00	5,00
M.01.01.03.12.01	SDJCR 1212 F07	12	12	80	16	16	29,00	5,00
M.01.01.03.12.02	SDJCR 1616 H07	16	16	100	16	20	31,00	5,00
M.01.01.03.12.34	SDJCR 1212 F11	12	12	80	18	16	29,00	5,00
M.01.01.03.12.03	SDJCR 1616 H11	16	16	100	18	20	31,00	5,00
M.01.01.03.12.04	SDJCR 2020 K11	20	20	125	22	25	33,00	5,00
M.01.01.03.12.05	SDJCR 2525 M11	25	25	150	28	32	34,00	5,00

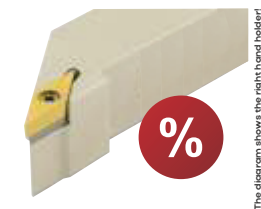
LEFT-hand version!

Cat. num.	Product code	h=h1	b	L1	l2	f	Special price	Price with 30 inserts
M.01.01.03.13.07	SDJCL 1010 E07	10	10	70	14	12	28,00	5,00
M.01.01.03.13.01	SDJCL 1212 F07	12	12	80	16	16	29,00	5,00
M.01.01.03.13.02	SDJCL 1616 H07	16	16	100	16	20	31,00	5,00
M.01.01.03.13.03	SDJCL 1616 H11	16	16	100	18	20	31,00	5,00
M.01.01.03.13.04	SDJCL 2020 K11	20	20	125	22	25	33,00	5,00
M.01.01.03.13.05	SDJCL 2525 M11	25	25	150	28	32	34,00	5,00

Holder SVJC 93°



from: **5,00**
price/PC



The diagram shows the right hand holder!

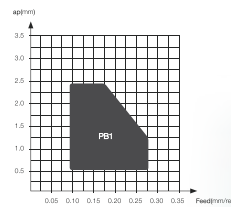
RIGHT-hand version!

Cat. num.	Product code	h=h1	b	L1	l2	f	Special price	Price with 30 inserts
M.01.01.03.06.01	SVJCR 1212 F11	12	12	80	20	16	29,00	5,00
M.01.01.03.06.02	SVJCR 1616 H11	16	16	100	25	20	31,00	5,00
M.01.01.03.06.03	SVJCR 2020 K11	20	20	125	28	25	33,00	5,00
M.01.01.03.06.18	SVJCR 2525 M11	25	25	150	28	32	34,00	5,00
M.01.01.03.06.04	SVJCR 2020 K16	20	20	125	34	25	33,00	5,00
M.01.01.03.06.05	SVJCR 2525 M16	25	25	150	34	32	34,00	5,00

LEFT-hand version!

Cat. num.	Product code	h=h1	b	L1	l2	f	Special price	Price with 30 inserts
M.01.01.03.07.01	SVJCL 1212 F11	12	12	80	20	16	29,00	5,00
M.01.01.03.07.02	SVJCL 1616 H11	16	16	100	25	20	31,00	5,00
M.01.01.03.07.03	SVJCL 2020 K11	20	20	125	28	25	33,00	5,00
M.01.01.03.07.19	SVJCL 2020 M11	25	25	150	28	32	34,00	5,00
M.01.01.03.07.04	SVJCL 2020 K16	20	20	125	34	25	33,00	5,00
M.01.01.03.07.05	SVJCL 2525 M16	25	25	150	34	32	34,00	5,00

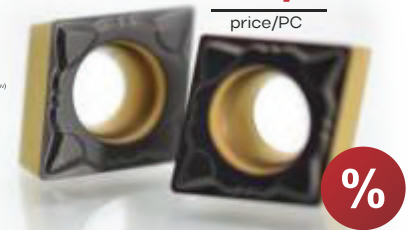
CCMT inserts



ACHTECK

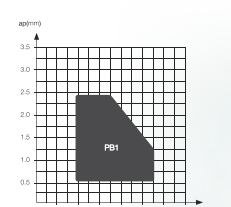
Buy 30 inserts and get the holder for only €5,00

CCMT
from: **3,30**
price/PC



P	ACHTECK	ISO designation	quality	price/pc
		CCMT 060202E-PB1 (80052357)	AC152P	3,30
		CCMT 060204E-PB1 (80052358)	AC152P	3,30
		CCMT 09T302E-PB1 (80052360)	AC152P	3,70
		CCMT 09T304E-PB1 (80052361)	AC152P	3,70
		CCMT 120404E-PC2 (80052722)	AC152P	4,70
		CCMT 120408E-PC2 (80052723)	AC152P	4,70

DCMT inserts



ACHTECK

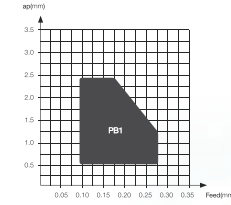
Buy 30 inserts and get the holder for only €5,00

DCMT
from: **3,20**
price/PC



P	ACHTECK	ISO designation	quality	price/pc
		DCMT 070202E-PB1 (80052378)	AC152P	3,20
		DCMT 070204E-PB1 (80052379)	AC152P	3,20
		DCMT 11T302E-PB1 (80052380)	AC152P	4,10
		DCMT 11T304E-PB1 (80052381)	AC152P	4,10
		DCMT 11T308E-PB1 (80052382)	AC152P	4,10

VCMT inserts



ACHTECK

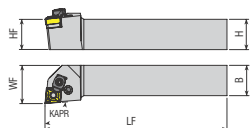
Buy 30 inserts and get the holder for only €5,00

VCMT
from: **4,99**
price/PC

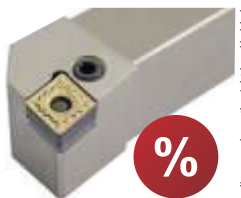


P	ACHTECK	ISO designation	quality	price/pc
		VCMT 110304E-PC2 (80052796)	AC252	4,99
		VCMT 160404E-PC2 (80052798)	AC252	6,40
		VCMT 160408E-PC2 (80052799)	AC252	6,40

Holder PCLN 95°



from: **5,00**
price/PC



The diagram shows the right-hand holder!

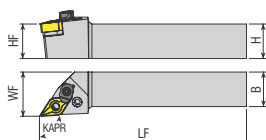
RIGHT-hand version!

Cat. num.	Product code	HF=H	B	LF	WF	Special price	Price with 30 inserts
M.01.01.04.01.02	PCLNR 2020 K12C	20	20	125	25	45,00	5,00
M.01.01.04.01.03	PCLNR 2525 M12C	25	25	150	32	48,00	5,00
M.01.01.04.01.04	PCLNR 3232 P12C	32	32	170	40	52,00	5,00
M.01.01.04.01.05	PCLNR 2525 M16C	25	25	150	32	49,00	5,00
M.01.01.04.01.08	PCLNR 3232 P19C	32	32	170	40	69,00	5,00
M.01.01.04.01.09	PCLNR 4040 S19C	40	40	250	50	89,00	5,00

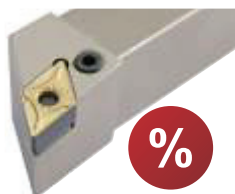
LEFT-hand version!

Cat. num.	Product code	HF=H	B	LF	WF	Special price	Price with 30 inserts
M.01.01.04.02.02	PCLNL 2020 K12C	20	20	125	25	45,00	5,00
M.01.01.04.02.03	PCLNL 2525 M12C	25	25	150	32	48,00	5,00
M.01.01.04.02.04	PCLNL 3232 P12C	32	32	170	40	52,00	5,00
M.01.01.04.02.05	PCLNL 2525 M16C	25	25	150	32	49,00	5,00
M.01.01.04.02.08	PCLNL 3232 P19C	32	32	170	40	69,00	5,00
M.01.01.04.02.09	PCLNL 4040 S19C	40	40	250	50	89,00	5,00

Holder PDJN 93°



from: **5,00**
price/PC



The diagram shows the right-hand holder!

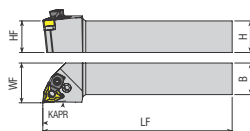
RIGHT-hand version!

Cat. num.	Product code	HF=H	B	LF	WF	Special price	Price with 30 inserts
M.01.01.04.05.01	PDJNR 1616 H11	16	16	100	20	45,00	5,00
M.01.01.04.05.02	PDJNR 2020 K11	20	20	125	25	46,00	5,00
M.01.01.04.05.03	PDJNR 2525 M11	25	25	150	32	48,00	5,00
M.01.01.04.05.04	PDJNR 2020 K15C	20	20	125	25	46,00	5,00
M.01.01.04.05.05	PDJNR 2525 M15C	25	25	150	32	48,00	5,00
M.01.01.04.05.06	PDJNR 3232 P15C	32	32	170	40	54,00	5,00

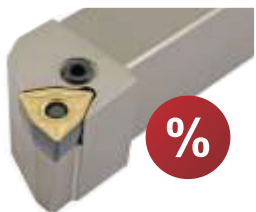
LEFT-hand version!

Cat. num.	Product code	HF=H	B	LF	WF	Special price	Price with 30 inserts
M.01.01.04.06.02	PDJNL 1616 H11	16	16	100	20	45,00	5,00
M.01.01.04.06.03	PDJNL 2020 K11	20	20	125	25	46,00	5,00
M.01.01.04.06.04	PDJNL 2525 M11	25	25	150	32	48,00	5,00
M.01.01.04.06.05	PDJNL 2020 K15C	20	20	125	25	46,00	5,00
M.01.01.04.06.06	PDJNL 2525 M15C	25	25	150	32	48,00	5,00
M.01.01.04.06.07	PDJNL 3232 P15C	32	32	170	40	54,00	5,00

Holder PWLN 95°



from: **5,00**
price/PC



The diagram shows the right-hand holder!

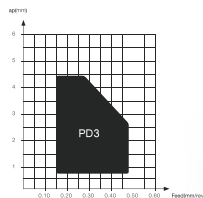
RIGHT-hand version!

Cat. num.	Product code	HF=H	B	LF	WF	Special price	Price with 30 inserts
M.01.01.04.17.07	PWLN 2020 K06	20	20	125	25	46,00	5,00
M.01.01.04.17.06	PWLN 2525 M06	25	25	150	32	48,00	5,00
M.01.01.04.17.02	PWLN 2020 K08C	20	20	125	25	46,00	5,00
M.01.01.04.17.03	PWLN 2525 M08C	25	25	150	32	48,00	5,00
M.01.01.04.17.04	PWLN 3232 P08C	32	32	170	40	54,00	5,00

LEFT-hand version!

Cat. num.	Product code	HF=H	B	LF	WF	Special price	Price with 30 inserts
M.01.01.04.18.07	PWLN 2020 K06	20	20	125	25	46,00	5,00
M.01.01.04.18.06	PWLN 2525 M06	25	25	150	32	48,00	5,00
M.01.01.04.18.02	PWLN 2020 K08C	20	20	125	25	46,00	5,00
M.01.01.04.18.03	PWLN 2525 M08C	25	25	150	32	48,00	5,00
M.01.01.04.18.04	PWLN 3232 P08C	32	32	170	40	54,00	5,00

CNMG inserts



ACHTECK

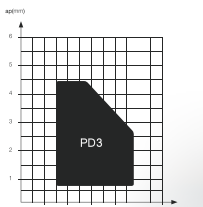
Buy 30 inserts and get the holder for only €5,00

CNMG
from: **4,50**
price/PC



	ACHTECK	ISO designation	quality	price/pc
P		CNMG 120404E-PD3 (80052541)	AC252P	4,50
		CNMG 120408E-PD3 (80052542)	AC252P	4,50
		CNMG 160608E-PD3 (80052544)	AC252P	6,99
		CNMG 160612E-PD3 (80052545)	AC252P	6,99
		CNMG 190612E-PD3 (80058735)	AC252P	9,99

DNMG inserts



ACHTECK

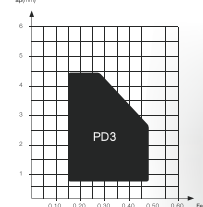
Buy 30 inserts and get the holder for only €5,00

DNMG
from: **4,30**
price/PC



	ACHTECK	ISO designation	quality	price/pc
P		DNMG 110404E-PD3 (80052595)	AC252P	4,30
		DNMG 110408E-PD3 (80052596)	AC252P	4,30
		DNMG 150604E-PD3 (80052600)	AC252P	5,50
		DNMG 150608E-PD3 (80052601)	AC252P	5,50

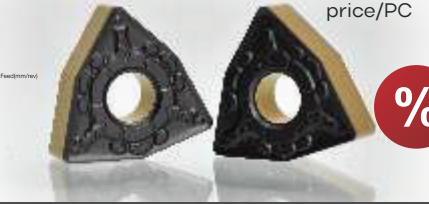
WNMG inserts



ACHTECK

Buy 30 inserts and get the holder for only €5,00

WNMG
from: **4,30**
price/PC



	ACHTECK	ISO designation	quality	price/pc
P		WNMG 060408E-PD3 (80052696)	AC252P	4,30
		WNMG 080404E-PD3 (80052697)	AC252P	4,50
		WNMG 080408E-PD3 (80052698)	AC252P	4,50

Holder SCLC R/L 95°



from: **5,00**
price/PC



RIGHT-hand version!

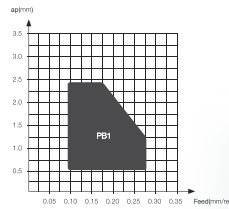
Cat. num.	Product code	DCON	H	LF	WF	DMIN	Special price	Price with 30 inserts
M.01.02.03.09.01	S08H SCLCR 06	08	7.3	100	06	≥11	18,90	5,00
M.01.02.03.09.02	S10K SCLCR 06	10	09	125	07	≥13	21,50	5,00
M.01.02.03.09.03	S12K SCLCR 06	12	11	125	09	≥16	22,60	5,00
M.01.02.03.09.07	S16P SCLCR 09	16	14.8	170	11	≥20	25,80	5,00
M.01.02.03.09.09	S20R SCLCR 09	20	18.3	200	13	≥25	27,10	5,00

LEFT-hand version!

Cat. num.	Product code	DCON	H	LF	WF	DMIN	Special price	Price with 30 inserts
M.01.02.03.10.01	S08H SCLCL 06	08	7.3	100	06	≥11	18,90	5,00
M.01.02.03.10.02	S10K SCLCL 06	10	09	125	07	≥13	21,50	5,00
M.01.02.03.10.03	S12K SCLCL 06	12	11	125	09	≥16	22,60	5,00
M.01.02.03.10.07	S16P SCLCL 09	16	14.8	170	11	≥20	25,80	5,00
M.01.02.03.10.08	S20R SCLCL 09	20	18.3	200	13	≥25	27,10	5,00

CCMT inserts

Buy 30 inserts and get the holder for only €5,00



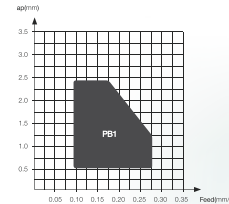
CCMT
from: **3,30**
price/PC



P	ACHTECK	ISO designation	quality	price/pc
		CCMT060202E-PB1 (80052357)	AC152P	3,30
		CCMT 060204E-PB1 (80052358)	AC152P	3,30
		CCMT 09T302E-PB1 (80052360)	AC152P	3,70
		CCMT 09T304E-PB1 (80052361)	AC152P	3,70

DCMT inserts

Buy 30 inserts and get the holder for only €5,00

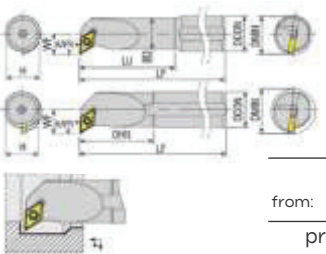


DCMT
from: **3,20**
price/PC



P	ACHTECK	ISO designation	quality	price/pc
		DCMT 070202E-PB1 (80052378)	AC152P	3,20
		DCMT 070204E-PB1 (80052379)	AC152P	3,20
		DCMT 11T302E-PB1 (80052380)	AC152P	4,10
		DCMT 11T304E-PB1 (80052381)	AC152P	4,10

Holder SDUC R/L 93°



from: **5,00**
price/PC



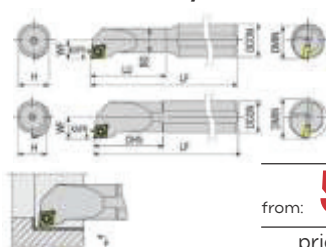
RIGHT-hand version!

Cat. num.	Product code	DCON	H	LF	WF	DMIN	Special price	Price with 30 inserts
M.01.02.03.01.01	S10K SDUCR 07	10	09	125	08	≥13	21,40	5,00
M.01.02.03.01.02	S12K SDUCR 07	12	11	125	09	≥16	22,60	5,00
M.01.02.03.01.03	S16P SDUCR 07	16	14.8	170	11	≥20	25,80	5,00
M.01.02.03.01.07	S16P SDUCR 11	16	14.8	170	11	≥20	25,80	5,00
M.01.02.03.01.08	S20R SDUCR 11	20	18.3	200	13	≥25	27,10	5,00
M.01.02.03.01.10	S25R SDUCR 11	25	23	250	17	≥32	36,10	5,00

LEFT-hand version!

Cat. num.	Product code	DCON	H	LF	WF	DMIN	Special price	Price with 30 inserts
M.01.02.03.02.01	S10K SDUCL 07	10	09	125	08	≥13	21,40	5,00
M.01.02.03.02.02	S12K SDUCL 07	12	11	125	09	≥16	22,60	5,00
M.01.02.03.02.03	S16P SDUCL 07	16	14.8	170	11	≥20	25,80	5,00
M.01.02.03.02.09	S16P SDUCL 11	16	14.8	170	11	≥20	25,80	5,00
M.01.02.03.02.10	S20R SDUCL 11	20	18.3	200	13	≥25	27,10	5,00
M.01.02.03.02.12	S25R SDUCL 11	25	23	250	17	≥32	36,10	5,00

Holder STFC R/L 95°



from: **5,00**
price/PC



RIGHT-hand version!

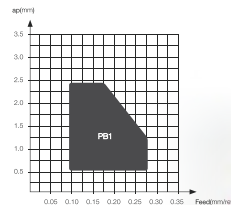
Cat. num.	Product code	DCON	H	LF	WF	DMIN	Special price	Price with 30 inserts
M.01.02.03.29.10	S10K STFCR 09	10	09	125	07	≥13	21,40	5,00
M.01.02.03.29.11	S12K STFCR 09	12	11	125	09	≥17	22,60	5,00
M.01.02.03.29.09	S12K STFCR 11	12	11	125	09	≥17	22,60	5,00
M.01.02.03.29.01	S16P STFCR 11	16	14.8	170	11	≥20	25,80	5,00
M.01.02.03.29.02	S20R STFCR 11	20	18.3	200	13	≥25	27,10	5,00
M.01.02.03.29.06	S25S STFCR 16	25	23	250	17	≥32	36,10	5,00

LEFT-hand version!

Cat. num.	Product code	DCON	H	LF	WF	DMIN	Special price	Price with 30 inserts
M.01.02.03.30.09	S10K STFCL 09	10	09	125	07	≥13	21,40	5,00
M.01.02.03.30.08	S12K STFCL 09	12	11	125	09	≥17	22,60	5,00
M.01.02.03.30.11	S12K STFCL 11	12	11	125	09	≥17	22,60	5,00
M.01.02.03.30.01	S16P STFCL 11	16	14.8	170	11	≥20	25,80	5,00
M.01.02.03.30.02	S20R STFCL 11	20	18.3	200	13	≥25	27,10	5,00
M.01.02.03.30.06	S25S STFCL 16	25	23	250	17	≥32	36,10	5,00

TCMT inserts

Buy 30 inserts and get the holder for only €5,00

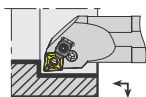
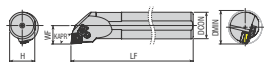


TCMT
from: **2,70**
price/PC



P	ACHTECK	ISO designation	quality	price/pc
		TCMT 090204E-PB1 (80052406)	AC152P	2,70
		TCMT 110202E-PB1 (80052407)	AC152P	2,90
		TCMT 110204E-PB1 (80052408)	AC152P	2,90
		TCMT 16T304E-PB1 (80052410)	AC152P	4,60

Holder S-PCLN 95°



from: **15,00**
price/PC



The diagram shows the right hand holder!



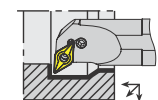
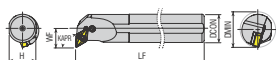
RIGHT-hand version!

Cat. num.	Product code	DOON	H	LF	WF	DMIN	Special price	Price with 30 inserts
M.01.02.04.01.01	S25S PCLNR 12	25	23	250	17	≥32	53,00	15,00
M.01.02.04.01.02	S32T PCLNR 12C	32	30	300	22	≥40	65,00	19,00
M.01.02.04.01.03	S40U PCLNR 12C	40	37,5	350	27	≥50	84,00	39,00

LEFT-hand version!

Cat. num.	Product code	DOON	H	LF	WF	DMIN	Special price	Price with 30 inserts
M.01.02.04.02.01	S25S PCLNL 12	25	23	250	17	≥32	53,00	15,00
M.01.02.04.02.02	S32T PCLNL 12C	32	30	300	22	≥40	65,00	19,00
M.01.02.04.02.03	S40U PCLNL 12C	40	37,5	350	27	≥50	84,00	39,00

Holder S-PDUN 93°



from: **15,00**
price/PC



The diagram shows the right hand holder!



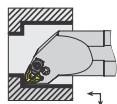
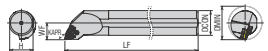
RIGHT-hand version!

Cat. num.	Product code	DOON	H	LF	WF	DMIN	Special price	Price with 30 inserts
M.01.02.04.03.01	S20R PDUNR 11	20	18,3	200	13	≥25	45,00	15,00
M.01.02.04.03.02	S25S PDUNR 11	25	23	250	17	≥32	52,00	15,00
M.01.02.04.03.11	S25S PDUNR 15	25	23	250	19	≥32	52,00	15,00
M.01.02.04.03.03	S32T PDUNR 15	32	30	300	22	≥40	65,00	19,00
M.01.02.04.03.04	S40U PDUNR 15	40	37,5	350	27	≥50	84,00	39,00

LEFT-hand version!

Cat. num.	Product code	DOON	H	LF	WF	DMIN	Special price	Price with 30 inserts
M.01.02.04.04.01	S20R PDUNL 11	20	18,3	200	13	≥25	45,00	15,00
M.01.02.04.04.02	S25S PDUNL 11	25	23	250	17	≥32	52,00	15,00
M.01.02.04.04.11	S25S PDUNL 15	25	23	250	19	≥32	52,00	15,00
M.01.02.04.04.03	S32T PDUNL 15	32	30	300	22	≥40	65,00	19,00
M.01.02.04.04.04	S40U PDUNL 15	40	37,5	350	27	≥50	84,00	39,00

Holder S-PWLN 95°



from: **15,00**
price/PC



The diagram shows the right hand holder!



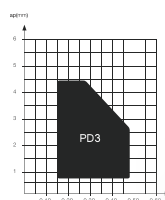
RIGHT-hand version!

Cat. num.	Product code	DOON	H	LF	WF	DMIN	Special price	Price with 30 inserts
M.01.02.04.09.11	S20R PWLNR 06	20	18,3	200	13	≥25	45,00	15,00
M.01.02.04.09.15	S25S PWLNR 06	25	23	250	17	≥32	52,00	15,00
M.01.02.04.09.01	S25S PWLNR 08C	25	23	250	17	≥32	52,00	15,00
M.01.02.04.09.02	S32T PWLNR 08C	32	30	300	22	≥40	65,00	19,00
M.01.02.04.09.03	S40U PWLNR 08C	40	37,5	350	27	≥50	84,00	39,00

LEFT-hand version!

Cat. num.	Product code	DOON	H	LF	WF	DMIN	Special price	Price with 30 inserts
M.01.02.04.10.11	S20R PWLNL 06	20	18,3	200	13	≥25	45,00	15,00
M.01.02.04.10.15	S25S PWLNL 06	25	23	250	17	≥32	52,00	15,00
M.01.02.04.10.01	S25S PWLNL 08C	25	23	250	17	≥32	52,00	15,00
M.01.02.04.10.02	S32T PWLNL 08C	32	30	300	22	≥40	65,00	19,00
M.01.02.04.10.03	S40U PWLNL 08C	40	37,5	350	27	≥50	84,00	39,00

CNMG inserts



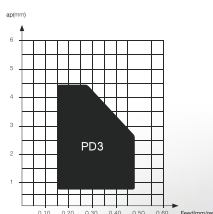
ACHTECK

CNMG
from: **4,50**
price/PC



P	ACHTECK	ISO designation	quality	price/pc
		CNMG 120404E-PD3 (80052541)	AC252P	4,50
		CNMG 120408E-PD3 (80052542)	AC252P	4,50

DNMG inserts



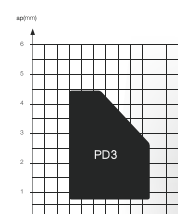
ACHTECK

DNMG
from: **4,30**
price/PC



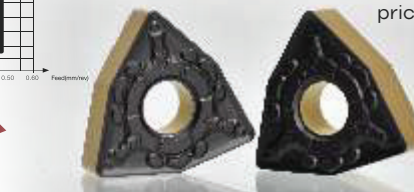
P	ACHTECK	ISO designation	quality	price/pc
		DNMG 110404E-PD3 (80052595)	AC252P	4,30
		DNMG 110408E-PD3 (80052596)	AC252P	4,30
		DNMG 150604E-PD3 (80052600)	AC252P	5,50
		DNMG 150608E-PD3 (80052601)	AC252P	5,50

WNMG inserts



ACHTECK

WNMG
from: **4,30**
price/PC



P	ACHTECK	ISO designation	quality	price/pc
		WNMG 060408E-PD3 (80052696)	AC252P	4,30
		WNMG 080404E-PD3 (80052697)	AC252P	4,50
		WNMG 080408E-PD3 (80052698)	AC252P	4,50

ATSER/L cut-off tool holder

ACHTECK

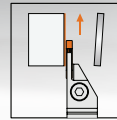
Inserts ACD...

ACHTECK	ISO designation	quality	price/pc
P M	ACD 202-CM (00034978)	AP301U	7,50
P M	ACD 202-CM (80036795)	AP330M	7,50
P M	ACD 302-CM (00034979)	AP301U	7,99
P M	ACD 302-CM (80036801)	AP330M	7,99
P M	ACD 403-CM (00038809)	AP301U	8,80
P M	ACD 403-CM (80036807)	AP330M	8,80
P M	ACD 503-CM (00043095)	AP301U	11,40
P M	ACD 603-CM (80021452)	AP301U	13,99
P M	ACD 603-CM (80036813)	AP330M	13,99

Inserts ATD...

ACHTECK	ISO designation	quality	price/pc
P M	ATD 203-TSR (80077241)	AP301U	8,10
P M	ATD 203-TS (80036841)	AP330M	8,10
P M	ATD 303-TSR (80077243)	AP301U	8,80
P M	ATD 303-TS (80036842)	AP330M	8,80
P M	ATD 404-TSR (80077245)	AP301U	9,80
P M	ATD 404-TS (80036844)	AP330M	9,80
P M	ATD 504-TSR (80077247)	AP301U	11,99
P M	ATD 504-TS (80036846)	AP330M	11,99
P M	ATD 604-TSR (80077249)	AP301U	14,90
P M	ATD 604-TS (80036848)	AP330M	14,90

from: **7,50**
price/PC



The diagram shows the left hand holder!

WHEN YOU PURCHASE 20 INSERTS,
THE HOLDER IS
FOR ONLY **5,0€**

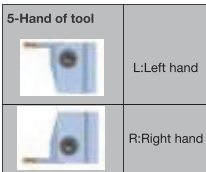
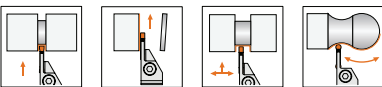
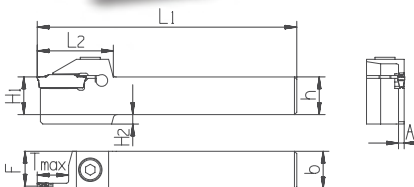
20x
ACD...
INSERTS

CM

OR

20x
ATD...
INSERTS

TS



Material List of Indexable Milling Inserts										
Material Group	Material classification	ISO	Coated				CVD		Uncoated	
			PVD							
P	un alloy steels / Alloyed steels	P01								
		P08								
		P10								
		P15								
		P20								
		P25								
		P30								
		P35								
		P40								
		P45								
M	Stainless steels	M01								
		M05								
		M10								
		M15								
		M20								
		M25								
		M30								
		M35								
		M40								
		M50								

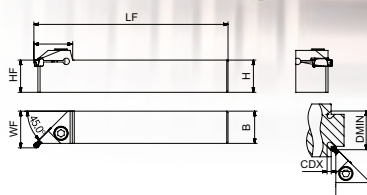
LEFT-hand version

Product code	Number of the holder	h	b	H	H2	A	L ₁	L ₂	F	T _{max}
ATSEL 1616-2T17	00025130	16	16	16	4	1,8	110	37	15,1	17
ATSEL 2020-2T17	00024918	20	20	20	0	1,8	125	37	19,1	17
ATSEL 2525-2T17	00024958	25	25	25	0	1,8	150	37	24,1	17
ATSEL 1616-3T20	00025135	16	16	16	4	2,4	110	38	14,8	20
ATSEL 2020-3T20	00024923	20	20	20	0	2,4	125	38	18,8	20
ATSEL 2525-3T20	00024962	25	25	25	0	2,4	150	38	23,8	20
ATSEL 2525-3T25	00039044	25	25	25	0	2,4	150	45	23,8	25
ATSEL 2020-4T25	00024930	20	20	20	0	3,35	125	45	18,3	25
ATSEL 2525-4T20	80003686	25	25	25	0	3,35	150	40	23,3	20
ATSEL 2525-4T25	00024969	25	25	25	0	3,35	150	45	23,3	25
ATSEL 2525-5T20	00025171	25	25	25	0	4,35	150	37	22,8	20
ATSEL 2525-5T32	00033244	25	25	25	0	4,35	150	56	22,8	32
ATSEL 3232-5T25	80000857	32	32	32	0	4,35	170	46	29,8	25
ATSEL 3232-5T32	80000863	32	32	32	0	4,35	170	56	29,8	32
ATSEL 2525-6T32	00033248	25	25	25	7	5,35	150	56	22,3	32
ATSEL 3232-6T32	80000922	32	32	32	0	5,35	170	56	29,3	32

RIGHT-hand version

Product code	Number of the holder	h	b	H	H2	A	L ₁	L ₂	F	T _{max}
ATSER 1616-2T17	00025129	16	16	16	4	1,8	110	37	15,1	17
ATSER 2020-2T17	80045128	20	20	20	0	1,8	125	37	19,1	17
ATSER 2525-2T17	00024959	25	25	25	0	1,8	150	37	24,1	17
ATSER 1616-3T20	00025136	16	16	16	4	2,4	110	38	14,8	20
ATSER 2020-3T20	00024924	20	20	20	0	2,4	125	38	18,8	20
ATSER 2525-3T20	00024963	25	25	25	0	2,4	150	38	23,8	20
ATSER 2525-3T25	00039043	25	25	25	0	2,4	150	45	23,8	25
ATSER 2020-4T25	00024929	20	20	20	0	3,35	125	45	18,3	25
ATSER 2525-4T20	80003684	25	25	25	0	3,35	150	40	23,3	20
ATSER 2525-4T25	00024968	25	25	25	0	3,35	150	45	23,3	25
ATSER 2525-5T20	00025170	25	25	25	0	4,35	150	37	22,8	20
ATSER 2525-5T32	00033243	25	25	25	0	4,35	150	56	22,8	32
ATSER 3232-5T25	80000855	32	32	32	0	4,35	170	46	29,8	25
ATSER 3232-5T32	80000861	32	32	32	0	4,35	170	56	29,8	32
ATSER 2525-6T32	00033247	25	25	25	7	5,35	150	56	22,3	32
ATSER 3232-6T32	80000920	32	32	32	0	5,35	170	56	29,3	32

Holder AGUER/L



ATD

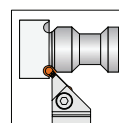
from: **8,40**
price/PC

Inserts ATD...

ACHTECK	ISO designation	quality	price/pc
P M	ATD 315-RMR (80099218)	AP301U	8,40
P M	ATD 420-RMR (80098423)	AP301U	9,20
N	ATD 315-RA (80038117)	AW100K	12,50
N	ATD 420-RA (80038116)	AW100K	13,99
M S	ATD 315-RS (80088093)	AP130S	13,50
M S	ATD 420-RS (80088094)	AP130S	14,50

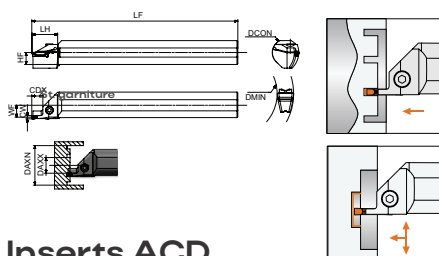
WHEN YOU PURCHASE 20 INSERTS,
THE HOLDER IS
FOR ONLY **5,0€**

20x
ATD...
INSERTS



Product code	Number of the holder	Size of the insert (mm)	H	B	HF	LF	LH	WF	CDX	DMIN	inserts	
AGUER 1616-3	00038129	2, 3	16	16	16	110	30,2	19,6	3	60	ATD...	Right holder
AGUER 2020-3	00038133	2, 3	20	20	20	125	30,2	23,6	3	60	ATD...	
AGUER 2525-3	00038137	2, 3	25	25	25	150	30,2	28,6	3	60	ATD...	
AGUER 2020-4	00038135	4	20	20	20	125	30,2	23,8	3	55	ATD...	
AGUER 2525-4	00038139	4	25	25	25	150	30,2	28,8	3	55	ATD...	
AGUEL 1616-3	00038130	2, 3	16	16	16	110	30,2	19,6	3	60	ATD...	Left holder
AGUEL 2020-3	00038134	2, 3	20	20	20	125	30,2	23,6	3	60	ATD...	
AGUEL 2525-3	00038138	2, 3	25	25	25	150	30,2	28,6	3	60	ATD...	
AGUEL 2020-4	00038136	4	20	20	20	125	30,2	23,8	3	55	ATD...	
AGUEL 2525-4	00038140	4	25	25	25	150	30,2	28,8	3	55	ATD...	

Holder ATSIR/L



ACD

from: **7,99**
price/PC

Inserts ACD...

ACHTECK	ISO designation	quality	price/pc
P M	ACD 302-CM (00034979)	AP301U	7,99
P M	ACD 403-CM (00038809)	AP301U	8,80
P M	ACD 302-CM (80036801)	AP330M	7,99
P M	ACD 403-CM (80036807)	AP330M	8,80

WHEN YOU PURCHASE 20 INSERTS,
THE HOLDER IS
FOR ONLY **5,0€**

20x
ACD...
INSERTS



CM

Product code	Number of the holder	DCON	LF	LH	WF	A	CDX	DMIN	DMAX	inserts	
ATSIR 25-3T12-35-45-C	00039847	25	200	31	11,5	11,5	12	35	45	ACD	Right holder
ATSIR 25-3T12-40-60-C	00043701	25	200	31	11,5	11,5	12	40	60	ACD	
ATSIR 25-3T12-55-90-C	00043682	25	200	31	11,5	11,5	12	55	90	ACD	
ATSIR 25-3T12-80-150-C	00039454	25	200	31	11,5	11,5	12	80	150	ACD	
ATSIR 25-4T12-20-35-C	00043684	25	200	31	11,0	11,5	12	20	35	ACD	
ATSIR 25-4T12-28-45-C	00043686	25	200	31	11,0	11,5	12	28	45	ACD	Left holder
ATSIR 25-4T12-35-55-C	00043688	25	200	31	11,0	11,5	12	35	55	ACD	
ATSIR 32-4T12-45-70-C	00039849	32	250	31	14,5	15,0	12	45	70	ACD	
ATSIR 32-4T12-60-100-C	00043690	32	250	31	14,5	15,0	12	60	100	ACD	
ATSIR 32-4T12-90-180-C	00043692	32	250	31	14,5	15,0	12	90	180	ACD	
ATSIL 25-3T12-35-45-C	00039847	25	200	31	11,5	11,5	12	35	45	ACD	Right holder
ATSIL 25-3T12-40-60-C	00043701	25	200	31	11,5	11,5	12	40	60	ACD	
ATSIL 25-3T12-55-90-C	00043682	25	200	31	11,5	11,5	12	55	90	ACD	
ATSIL 25-3T12-80-150-C	00039454	25	200	31	11,5	11,5	12	80	150	ACD	
ATSIL 25-4T12-20-35-C	00043684	25	200	31	11,0	11,5	12	20	35	ACD	
ATSIL 25-4T12-28-45-C	00043686	25	200	31	11,0	11,5	12	28	45	ACD	Left holder
ATSIL 25-4T12-35-55-C	00043688	25	200	31	11,0	11,5	12	35	55	ACD	
ATSIL 32-4T12-45-70-C	00039849	32	250	31	14,5	15,0	12	45	70	ACD	
ATSIL 32-4T12-60-100-C	00043690	32	250	31	14,5	15,0	12	60	100	ACD	
ATSIL 32-4T12-90-180-C	00043692	32	250	31	14,5	15,0	12	90	180	ACD	

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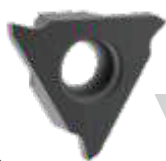
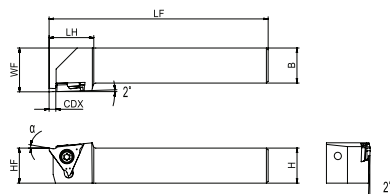
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ATGHR 2020K43-10
SP05008550

ATGHR/L External Shallow Grooving Holder

ACHTECK



20x ATG...
INSERTS

WHEN YOU PURCHASE 20 INSERTS,
THE HOLDER IS
FOR ONLY **5,0€**



RIGHT-hand version!

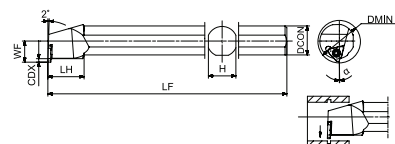
Cat. numb. of the milling holder	Product code	H	B	LF	LH	WF	CDX	inserts
80061731	ATGHR 2020K32-T25	20	20	20	125	24	2,5	ATG..
80081847	ATGHR 2525M32-T25	25	25	25	150	24	2,5	ATG..
80061552	ATGHR 2020K43-10T40	20	20	20	125	25,5	4,0	ATG..
80081861	ATGHR 2525M43-10T40	25	25	25	150	25,5	4,0	ATG..
80136884	ATGHR 2020K43-20T45	20	20	20	125	25,5	4,5	ATG..
80136872	ATGHR 2525M43-20T45	25	25	25	150	25,5	4,5	ATG..
80081863	ATGHR 2020K43-20T55	20	20	20	125	25,5	5,5	ATG..
80081865	ATGHR 2525M43-20T55	25	25	25	150	25,5	5,5	ATG..
80081867	ATGHR 2020K43-30T55	20	20	20	125	25,5	5,5	ATG..
80081869	ATGHR 2525M43-30T55	25	25	25	150	25,5	5,5	ATG..

LEFT-hand version!

Cat. numb. of the milling holder	Product code	H	B	LF	LH	WF	CDX	inserts
80061731	ATGHL 2020K32-T25	20	20	20	125	24	2,5	ATG..
80081847	ATGHL 2525M32-T25	25	25	25	150	24	2,5	ATG..
80061552	ATGHL 2020K43-10T40	20	20	20	125	25,5	4,0	ATG..
80081861	ATGHL 2525M43-10T40	25	25	25	150	25,5	4,0	ATG..
80136884	ATGHL 2020K43-20T45	20	20	20	125	25,5	4,5	ATG..
80136872	ATGHL 2525M43-20T45	25	25	25	150	25,5	4,5	ATG..
80081863	ATGHL 2020K43-20T55	20	20	20	125	25,5	5,5	ATG..
80081865	ATGHL 2525M43-20T55	25	25	25	150	25,5	5,5	ATG..
80081867	ATGHL 2020K43-30T55	20	20	20	125	25,5	5,5	ATG..
80081869	ATGHL 2525M43-30T55	25	25	25	150	25,5	5,5	ATG..

ATGIR/L Internal Grooving Holder

ACHTECK



20x ATG...
INSERTS

WHEN YOU PURCHASE 20 INSERTS,
THE HOLDER IS
FOR ONLY **5,0€**



RIGHT-hand version!

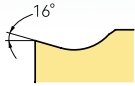
Cat. numb. of the milling holder	Product code	DMIN	DCON	LF	LH	WF	CDX	inserts
80066363	ATGIR 25R32-35T28	35	25	220	30	17,5	2,8	ATG...
80066360	ATGIR 32S43-40T30	40	32	250	30	23,0	3,0	ATG..

LEFT-hand version!

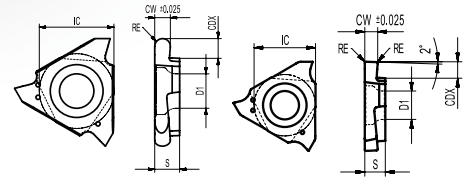
Cat. numb. of the milling holder	Product code	DMIN	DCON	LF	LH	WF	CDX	inserts
80066364	ATGIL 25R32-35T28	35	25	220	30	17,5	2,8	ATG...
80066362	ATGIL 32S43-40T30	40	32	250	30	23,0	3,0	ATG..

Shallow Grooving Series

• ATG: Applied to external and internal shallow grooving



ATG
from: **8,80**
price/PC



(The diagram shows the right hand insert)



RIGHT-hand version

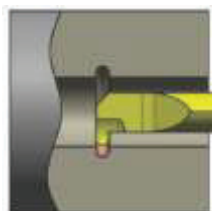
Cat. numb.	Product code	CDX	CW	RE	Quality	price/PC
80058787	ATG 32R033T08-R005	0,8	0,33	0,05	AP301U	8,80
80058788	ATG 32R050T12-R005	1,2	0,50	0,05	AP301U	8,80
80058789	ATG 32R075T20-R005	2,0	0,75	0,05	AP301U	8,80
80058790	ATG 32R095T20-R005	2,0	0,95	0,05	AP301U	8,80
80058791	ATG 32R100T20-R005	2,0	1,00	0,05	AP301U	8,80
80058792	ATG 32R110T20-R005	2,0	1,10	0,05	AP301U	8,80
80058793	ATG 32R120T20-R005	2,0	1,20	0,05	AP301U	8,80
80058794	ATG 32R125T20-R020	2,0	1,25	0,20	AP301U	8,80
80058795	ATG 32R130T20-R020	2,0	1,30	0,20	AP301U	8,80
80058796	ATG 32R140T25-R020	2,5	1,40	0,20	AP301U	8,80
80058797	ATG 32R145T25-R020	2,5	1,45	0,20	AP301U	8,80
80058798	ATG 32R150T25-R020	2,5	1,50	0,20	AP301U	8,80
80058799	ATG 32R160T25-R020	2,5	1,60	0,20	AP301U	8,80
80058800	ATG 32R170T25-R020	2,5	1,70	0,20	AP301U	8,80
80058801	ATG 32R175T25-R020	2,5	1,75	0,20	AP301U	8,80
80058802	ATG 32R200T25-R020	2,5	2,00	0,20	AP301U	8,80
80058803	ATG 32R225T25-R020	2,5	2,25	0,20	AP301U	8,80
80058804	ATG 32R250T25-R020	2,5	2,50	0,20	AP301U	8,80
80058805	ATG 32R300T25-R020	2,5	3,00	0,20	AP301U	8,80
80058825	ATG 43R100T20-R010	2,0	1,00	0,10	AP301U	11,80
80058826	ATG 43R125T20-R010	2,0	1,25	0,10	AP301U	11,80
80058827	ATG 43R125T20-R020	2,0	1,25	0,20	AP301U	11,80
80058828	ATG 43R130T30-R010	3,0	1,30	0,10	AP301U	11,80
80058829	ATG 43R130T30-R020	3,0	1,30	0,20	AP301U	11,80
80058830	ATG 43R140T35-R020	3,5	1,40	0,20	AP301U	11,80
80058831	ATG 43R145T35-R020	3,5	1,45	0,20	AP301U	11,80
80058832	ATG 43R150T35-R010	3,5	1,50	0,10	AP301U	11,80
80058833	ATG 43R150T35-R020	3,5	1,50	0,20	AP301U	11,80
80058834	ATG 43R170T35-R020	3,5	1,70	0,20	AP301U	11,80
80058835	ATG 43R175T35-R020	3,5	1,75	0,20	AP301U	11,80
80058836	ATG 43R185T35-R020	3,5	1,85	0,20	AP301U	11,80
80058837	ATG 43R195T35-R020	3,5	1,95	0,20	AP301U	11,80
80058838	ATG 43R200T35-R010	3,5	2,00	0,10	AP301U	11,80
80058839	ATG 43R200T35-R020	3,5	2,00	0,20	AP301U	11,80
80058840	ATG 43R225T35-R020	3,5	2,25	0,20	AP301U	11,80
80058841	ATG 43R230T35-R020	3,5	2,30	0,20	AP301U	11,80
80058842	ATG 43R250T50-R010	5,0	2,50	0,10	AP301U	11,80
80058843	ATG 43R250T50-R030	5,0	2,50	0,30	AP301U	11,80
80058844	ATG 43R265T50-R030	5,0	2,65	0,30	AP301U	11,80
80058845	ATG 43R280T50-R030	5,0	2,80	0,30	AP301U	11,80
80058846	ATG 43R300T50-R010	5,0	3,00	0,10	AP301U	11,80
80058847	ATG 43R300T50-R030	5,0	3,00	0,30	AP301U	11,80
80058848	ATG 43R325T50-R030	5,0	3,25	0,30	AP301U	11,80
80058849	ATG 43R330T50-R030	5,0	3,30	0,30	AP301U	11,80
80058850	ATG 43R350T50-R010	5,0	3,50	0,10	AP301U	11,80
80058851	ATG 43R350T50-R030	5,0	3,50	0,30	AP301U	11,80
80058852	ATG 43R400T50-R010	5,0	4,00	0,10	AP301U	11,80
80058853	ATG 43R400T50-R040	5,0	4,00	0,40	AP301U	11,80
80058854	ATG 43R430T50-R040	5,0	4,30	0,40	AP301U	11,80
80058855	ATG 43R450T50-R040	5,0	4,50	0,40	AP301U	11,80
80101410	ATG 32R050T12-R025	1,2	0,50	0,25	AP301U	10,60
80058889	ATG 32R150T25-R075	2,5	1,50	0,75	AP301U	10,60
80058890	ATG 32R200T25-R100	2,5	2,00	1,00	AP301U	10,60
80058891	ATG 32R300T25-R150	2,5	3,00	1,50	AP301U	10,60
80058892	ATG 43R100T20-R050	2,0	1,00	0,50	AP301U	14,10
80058893	ATG 43R150T35-R075	3,5	1,50	0,75	AP301U	14,10
80058894	ATG 43R200T35-R100	3,5	2,00	1,00	AP301U	14,10
80058895	ATG 43R250T40-R125	5,0	2,50	1,25	AP301U	14,10
80058896	ATG 43R300T40-R150	5,0	3,00	1,50	AP301U	14,10
80058897	ATG 43R400T50-R200	5,0	4,00	2,00	AP301U	14,10

LEFT-hand version

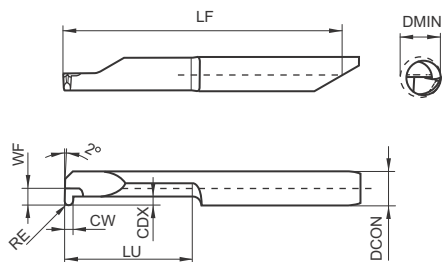
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80058807	ATG 32L050T12-R005	1,2	0,50	0,05	AP301U	8,80
80058808	ATG 32L075T20-R005	2,0	0,75	0,05	AP301U	8,80
80058809	ATG 32L095T20-R005	2,0	0,95	0,05	AP301U	8,80
80058810	ATG 32L100T20-R005	2,0	1,00	0,05	AP301U	8,80
80058811	ATG 32L110T20-R005	2,0	1,10	0,05	AP301U	8,80
80058812	ATG 32L120T20-R005	2,0	1,20	0,05	AP301U	8,80
80058813	ATG 32L125T20-R020	2,0	1,25	0,20	AP301U	8,80
80058814	ATG 32L130T20-R020	2,0	1,30	0,20	AP301U	8,80
80058815	ATG 32L140T25-R020	2,5	1,40	0,20	AP301U	8,80
80058816	ATG 32L145T25-R020	2,5	1,45	0,20	AP301U	8,80
80058817	ATG 32L150T25-R020	2,5	1,50	0,20	AP301U	8,80
80058818	ATG 32L160T25-R020	2,5	1,60	0,20	AP301U	8,80
80058819	ATG 32L170T25-R020	2,5	1,70	0,20	AP301U	8,80
80058820	ATG 32L175T25-R020	2,5	1,75	0,20	AP301U	8,80
80058821	ATG 32L200T25-R020	2,5	2,00	0,20	AP301U	8,80
80058822	ATG 32L225T25-R020	2,5	2,25	0,20	AP301U	8,80
80058823	ATG 32L250T25-R020	2,5	2,50	0,20	AP301U	8,80
80058824	ATG 32L300T25-R020	2,5	3,00	0,20	AP301U	8,80
80058857	ATG 43L100T20-R010	2,0	1,00	0,10	AP301U	11,80
80058858	ATG 43L125T20-R010	2,0	1,25	0,10	AP301U	11,80
80058859	ATG 43L125T20-R020	2,0	1,25	0,20	AP301U	11,80
80058860	ATG 43L130T30-R010	3,0	1,30	0,10	AP301U	11,80
80058861	ATG 43L130T30-R020	3,0	1,30	0,20	AP301U	11,80
80058862	ATG 43L140T35-R020	3,5	1,40	0,20	AP301U	11,80
80058863	ATG 43L145T35-R020	3,5	1,45	0,20	AP301U	11,80
80058864	ATG 43L150T35-R010	3,5	1,50	0,10	AP301U	11,80
80058865	ATG 43L150T35-R020	3,5	1,50	0,20	AP301U	11,80
80058866	ATG 43L170T35-R020	3,5	1,70	0,20	AP301U	11,80
80058867	ATG 43L175T35-R020	3,5	1,75	0,20	AP301U	11,80
80058868	ATG 43L185T35-R020	3,5	1,85	0,20	AP301U	11,80
80058869	ATG 43L195T35-R020	3,5	1,95	0,20	AP301U	11,80
80058870	ATG 43L200T35-R010	3,5	2,00	0,10	AP301U	11,80
80058871	ATG 43L200T35-R020	3,5	2,00	0,20	AP301U	11,80
80058872	ATG 43L225T35-R020	3,5	2,25	0,20	AP301U	11,80
80058873	ATG 43L230T35-R020	3,5	2,30	0,20	AP301U	11,80
80058874	ATG 43L250T50-R010	5,0	2,50	0,10	AP301U	11,80
80058875	ATG 43L250T50-R030	5,0	2,50	0,30	AP301U	11,80
80058876	ATG 43L265T50-R030	5,0	2,65	0,30	AP301U	11,80
80058877	ATG 43L280T50-R030	5,0	2,80	0,30	AP301U	11,80
80058878	ATG 43L300T50-R010	5,0	3,00	0,10	AP301U	11,80
80058879	ATG 43L300T50-R030	5,0	3,00	0,30	AP301U	11,80
80058880	ATG 43L325T50-R030	5,0	3,25	0,30	AP301U	11,80
80058881	ATG 43L330T50-R030	5,0	3,30	0,30	AP301U	11,80
80058882	ATG 43L350T50-R010	5,0	3,50	0,10	AP301U	11,80
80058883	ATG 43L350T50-R030	5,0	3,50	0,30	AP301U	11,80
80058884	ATG 43L400T50-R010	5,0	4,00	0,10	AP301U	11,80
80058885	ATG 43L400T50-R040	5,0	4,00	0,40	AP301U	11,80
80058886	ATG 43L430T50-R040	5,0	4,30	0,40	AP301U	11,80
80058887	ATG 43L450T50-R040	5,0	4,50	0,40	AP301U	11,80
80101411	ATG 32L050T12-R025	1,2	0,50	0,25	AP301U	10,60
80058898	ATG 32L150T25-R075	2,5	1,50	0,75	AP301U	10,60
80058899	ATG 32L200T25-R100	2,5	2,00	1,00	AP301U	10,60
80058900	ATG 32L300T25-R150	2,5	3,00	1,50	AP301U	10,60
80058901	ATG 43L100T20-R050	2,0	1,00	0,50	AP301U	14,10
80058902	ATG 43L150T35-R075	3,5	1,50	0,75	AP301U	14,10
80058903	ATG 43L200T35-R100	3,5	2,00	1,00	AP301U	14,10
80058904	ATG 43L250T40-R125	5,0	2,50	1,25	AP301U	14,10
80058905	ATG 43L300T40-R150	5,0	3,00	1,50	AP301U	14,10
80058906	ATG 43L400T50-R200	5,0	4,00	2,00	AP301U	14,10

ASIGR R Type Small Dia. Internal Grooving Tool

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AP220U

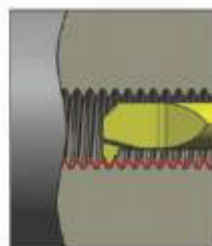


P M K

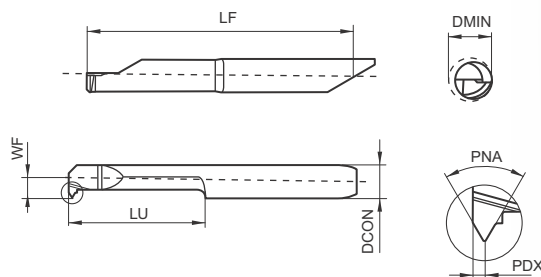
Cat. number	Product Code	DCON	RE	WF	LF	DMIN	LU	CDX	price/pc
80090683	ASIGR 04R100-4215	4	1	2	32.3	4.2	15	0.8	14,20
80090684	ASIGR 05R100-5220	5	1	2.5	42.3	5.2	20	1.0	16,40
80090685	ASIGR 05R150-5220	5	1.5	2.5	42.3	5.2	20	1.0	16,40
80090686	ASIGR 05R200-5220	5	2	2.5	42.3	5.2	20	1.0	16,40
80090688	ASIGR 06R150-6225	6	1.5	3	47.3	6.2	25	1.8	19,10

ASITR V Type Small Dia. Internal 60° Partial Profile Threading Tool

ACHTECK



AP220U

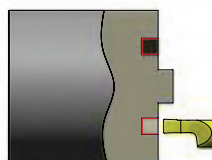


P M K

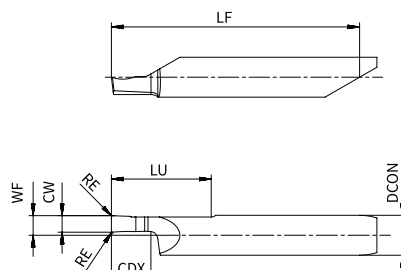
Cat. number	Product Code	DCON	PDX	PNA	WF	LF	P	DMIN	LU	price/pc
80090849	ASITR 04V050-4215	4	0.4	60°	2	32.7	0.5-0.7	4.2	15	14,20
80090850	ASITR 05V050-5215	5	0.4	60°	2.5	37.7	0.5-0.75	5.2	15	15,20
80090851	ASITR 05V070-5115	5	0.5	60°	2.4	37.8	0.7-1	5.1	15	15,20
80090852	ASITR 05V100-4815	5	0.6	60°	2.3	37.9	1-1.25	4.8	15	15,20
80090853	ASITR 06V100-6215	6	0.6	60°	3	37.9	1-1.25	6.2	15	17,40
80090854	ASITR 06V125-6215	6	0.8	60°	3	38.1	1.25-1.5	6.2	15	17,40
80090855	ASITR 06V150-6215	6	1.0	60°	3	38.3	1.5-1.75	6.2	15	17,40

ASIFR B Type Small Dia. Internal Face Grooving tool (Outward Deviation)

ACHTECK



AP220U



P M K

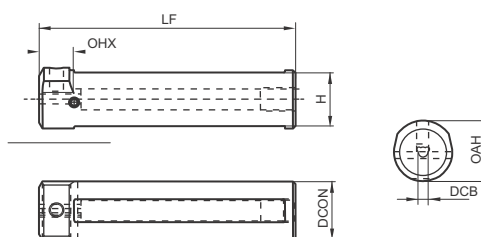
Cat. number	Product Code	DCON	CW	WF	RE	LF	DAXN	LU	CDX	price/pc
80090829	ASIFR 06B150-6215	6	1.5	3	0.15	37.3	6.2	15	3	19,10
80090830	ASIFR 06B200-6215	6	2	3	0.15	37.3	6.2	15	4	19,10
80090831	ASIFR 06B250-6215	6	2.5	3	0.15	37.3	6.2	15	5	19,10
80090832	ASIFR 06B300-6215	6	3	3	0.15	37.3	6.2	15	6	19,10

Product holder

ACHTECK

AP220U

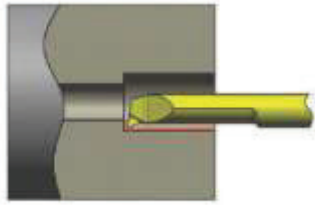
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price/PC



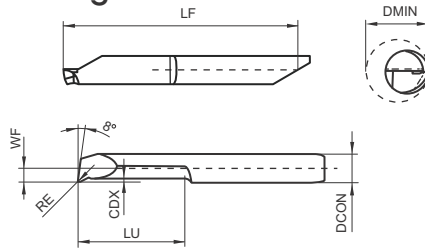
Cat. number	Code	DCB	DCON	LF	H	price/pc
80091802	ASI 0012-04	4	12	70	10	66,00
80091803	ASI 0012-05	5	12	70	10	66,00
80091435	ASI 0012-06	6	12	70	10	66,00
80087365	ASI 0016-04	4	16	75	14	66,00
80088303	ASI 0016-05	5	16	75	14	66,00
80091804	ASI 0016-06	6	16	75	14	66,00
80087353	ASI 0020-04	4	20	90	18	77,00
80091806	ASI 0020-05	5	20	90	18	77,00
80091807	ASI 0020-06	6	20	90	18	77,00

ASIBR T Type Small Dia. Boring Tool

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AP220U

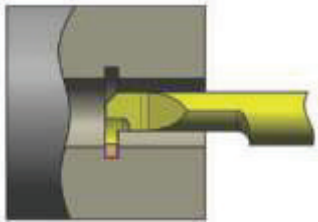


P M K

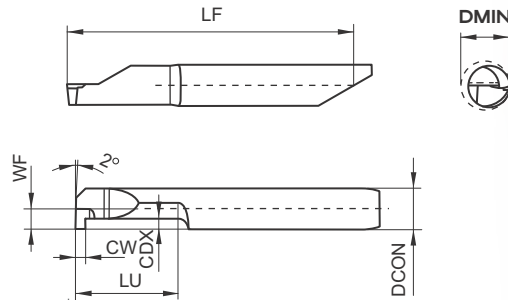
Cat. number	Product Code	DCON	RE	WF	LF	DMIN	LU	CDX	price/pc
80090428	ASIBR 04T010-1006	4	0.1	0.5	27.3	1	6	0.1	14,80
80090432	ASIBR 04T010-1709	4	0.1	0.7	27.3	1.7	9	0.2	14,80
80090436	ASIBR 04T010-2209	4	0.1	1	27.3	2.2	9	0.2	14,80
80090437	ASIBR 04T010-2213	4	0.1	1	32.3	2.2	13	0.2	14,80
80090441	ASIBR 04T015-2710	4	0.15	1.2	27.3	2.7	10	0.2	14,80
80090442	ASIBR 04T015-2715	4	0.15	1.2	32.3	2.7	15	0.2	14,80
80090446	ASIBR 04T015-3210	4	0.15	1.5	27.3	3.2	10	0.2	14,20
80090447	ASIBR 04T015-3215	4	0.15	1.5	32.3	3.2	15	0.2	14,80
80090448	ASIBR 04T015-3220	4	0.15	1.5	37.3	3.2	20	0.2	14,80
80090453	ASIBR 04T015-4210	4	0.15	2	27.3	4.2	10	0.3	14,20
80090454	ASIBR 04T015-4215	4	0.15	2	32.3	4.2	15	0.3	14,20
80090455	ASIBR 04T015-4220	4	0.15	2	37.3	4.2	20	0.3	14,20
80090456	ASIBR 04T015-4225	4	0.15	2	42.3	4.2	25	0.3	14,80
80090459	ASIBR 05T020-5210	5	0.2	2.5	32.3	5.2	10	0.5	15,20
80090460	ASIBR 05T020-5220	5	0.2	2.5	42.3	5.2	20	0.5	16,40
80090461	ASIBR 05T020-5225	5	0.2	2.5	47.3	5.2	25	0.5	17,90
80090462	ASIBR 05T020-5230	5	0.2	2.5	52.3	5.2	30	0.5	17,90
80090463	ASIBR 05T020-5235	5	0.2	2.5	57.3	5.2	35	0.5	19,60
80090464	ASIBR 05T020-5240	5	0.2	2.5	62.3	5.2	40	0.5	20,10
80090466	ASIBR 06T020-6215	6	0.2	3	37.3	6.2	15	0.5	17,40
80090467	ASIBR 06T020-6220	6	0.2	3	42.3	6.2	20	0.5	19,10
80090470	ASIBR 06T020-6235	6	0.2	3	57.3	6.2	35	0.5	22,90
80090471	ASIBR 06T020-6240	6	0.2	3	62.3	6.2	40	0.5	25,00

ASIGR S Type Small Dia. Internal Grooving Tool

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AP220U

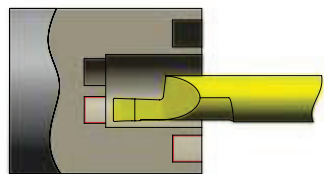


P M K

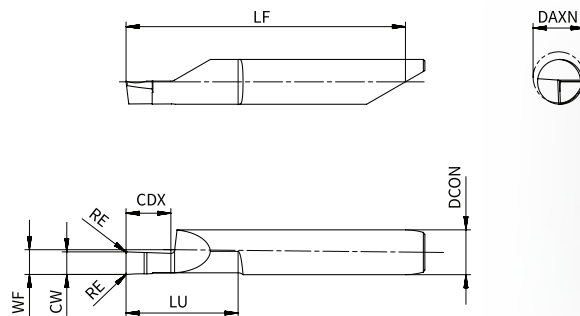
Cat. number	Product Code	DCON	CW	WF	LF	DMIN	LU	CDX	price/pc
80090591	ASIGR 04S050-2012	4	0.5	2	29.3	2	12	0.4	14,80
80090595	ASIGR 04S100-4210	4	1.0	2	27.3	4.2	10	0.8	14,20
80090596	ASIGR 04S100-4215	4	1.0	2	32.3	4.2	15	0.8	14,20
80090597	ASIGR 04S100-4220	4	1.0	2	37.3	4.2	20	0.8	14,20
80090599	ASIGR 05S100-5215	5	1.0	2.5	37.3	5.2	15	1.0	15,20
80090601	ASIGR 05S100-5225	5	1.0	2.5	47.3	5.2	25	1.0	17,90
80090603	ASIGR 05S100-5235	5	1.0	2.5	57.3	5.2	35	1.0	19,60
80090605	ASIGR 05S150-5215	5	1.5	2.5	37.3	5.2	15	1.0	15,20
80090607	ASIGR 05S150-5225	5	1.5	2.5	47.3	5.2	25	1.0	17,90
80090611	ASIGR 05S200-5215	5	2.0	2.5	37.3	5.2	15	1.0	15,20
80090612	ASIGR 05S200-5220	5	2.0	2.5	42.3	5.2	20	1.0	16,40
80090613	ASIGR 05S200-5225	5	2.0	2.5	47.3	5.2	25	1.0	17,90
80090616	ASIGR 06S100-6215	6	1.0	3	37.3	6.2	15	1.8	17,40
80090618	ASIGR 06S100-6225	6	1.0	3	47.3	6.2	25	1.8	19,10
80090619	ASIGR 06S100-6230	6	1.0	3	52.3	6.2	30	1.8	20,90
80090621	ASIGR 06S100-6240	6	1.0	3	62.3	6.2	40	1.8	25,00
80090623	ASIGR 06S150-6215	6	1.5	3	37.3	6.2	15	1.8	17,40
80090625	ASIGR 06S150-6225	6	1.5	3	47.3	6.2	25	1.8	19,10
80090627	ASIGR 06S150-6235	6	1.5	3	57.3	6.2	35	1.8	22,90
80090629	ASIGR 06S200-6215	6	2.0	3	37.3	6.2	15	1.8	17,40
80090631	ASIGR 06S200-6225	6	2.0	3	47.3	6.2	25	1.8	19,10
80090632	ASIGR 06S200-6230	6	2.0	3	52.3	6.2	30	1.8	16,70

ASIFR A Type Small Dia. Internal Face Grooving (Inward Deviation)

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AP220U



P M K

Cat. number	Product Code	DCON	CW	WF	RE	LF	DAXN	LU	CDX	price/pc
80090817	ASIFR 06A100-6215	6	1	3	0.15	37.3	6.2	15	2	19,10
80090818	ASIFR 06A150-6215	6	1.5	3	0.15	37.3	6.2	15	3	19,10
80090819	ASIFR 06A200-6215	6	2	3	0.15	37.3	6.2	15	4	19,10
80090820	ASIFR 06A250-6215	6	2.5	3	0.15	37.3	6.2	15	5	19,10

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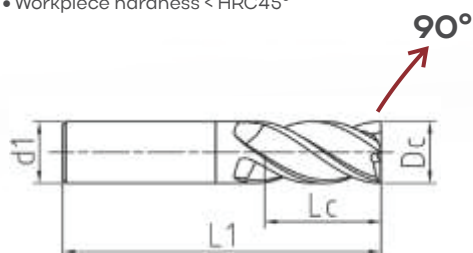
Solid Carbide end mills **M200**

ACHTECK ECO line of solid carbide end mills offers extremely high performance, economical with complete product range

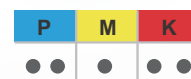


Solid Carbide end Mill M200

- Eco line
- End mill with 4 cutting edges
- Solid carbide end mill
- Workpiece hardness < HRC45°



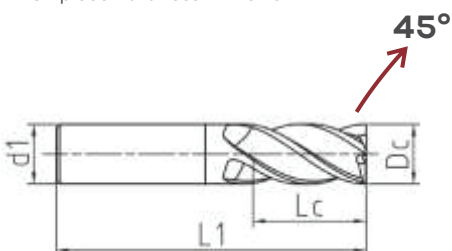
od: **5,20**
price/PC



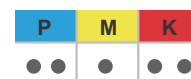
Cat. num.	Product code	Dc (h9) mm	d1 mm	LC mm	L1 mm	Z mm	price/PC
80080122	M200-4ES-050	5	6	13	50	4	5,20
80080123	M200-4ES-060	6	6	16	50	4	5,20
80080125	M200-4ES-080	8	8	20	60	4	9,50
80080127	M200-4ES-100	10	10	25	75	4	14,60
80080129	M200-4ES-120	12	12	30	75	4	21,00

Solid Carbide end Mill M200

- Eco line
- End mill with 4 cutting edges and chamfer
- Solid carbide end mill
- Workpiece hardness < HRC45°



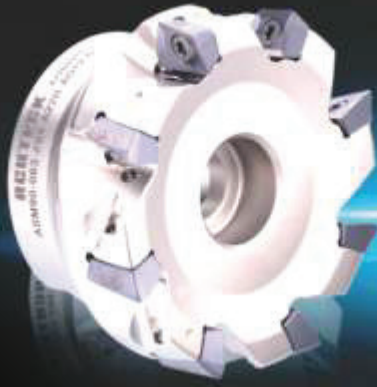
od: **5,90**
price/PC



Cat. num.	Product code	Dc (h9) mm	d1 mm	Lc mm	L1 mm	Z mm	price/PC
80080135	M200-4CS-050	5	6	13	50	4	5,90
80080136	M200-4CS-060	6	6	16	50	4	5,90
80080137	M200-4CS-080	8	8	20	60	4	9,99
80080138	M200-4CS-100	10	10	25	75	4	15,99
80080139	M200-4CS-120	12	12	30	75	4	21,99

ASM90

From Ø10 upwards!



Precise approach angle of 90° and large positive rake angle

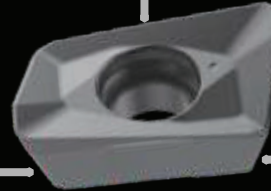
Optimized geometry improves performance

Clean cut reduces cutting force and risk of vibrations



Special wiper design for superior surface finish

Spiral side cutting edge ensures a smooth cut



Special edge preparation for extended tool life

Reduced cutting force and thus lower risk of vibrations

SET: 90° Approach angle square shoulder milling cutter + 20 AOMT inserts

ACHTECK



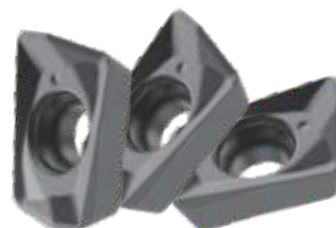
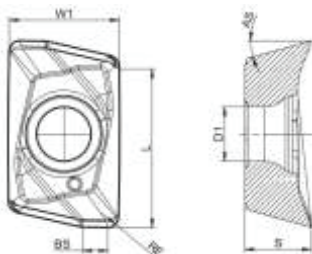
20x AOMT...
INSERTS



from: **119,00**
price/SET

Set number	Cut. numb. of the milling cutter	Product code	DC	DCON	LF	LH	APMX	Z	inserts	Numb. of inserts in the set	price/SET
99001483	80119809	ASM90-010-Z02-C10R-A006-L060-C	10	10	60	20	5	2	AOMT 0602..	20	119,00
99001484	80085944	ASM90-010-Z02-C10R-A006-L100-C	10	10	100	35	5	2	AOMT 0602..	20	125,00
99001485	80119999	ASM90-012-Z03-C12R-A006-L070-C	12	12	70	20	5	3	AOMT 0602..	20	129,00
99001486	80087911	ASM90-012-Z03-C12R-A006-L120-C	12	12	120	35	5	3	AOMT 0602..	20	135,00
99001487	80120732	ASM90-014-Z03-C16R-A006-L100-C	14	14	100	35	5	3	AOMT 0602..	20	133,00

Insert selection



ACHTECK

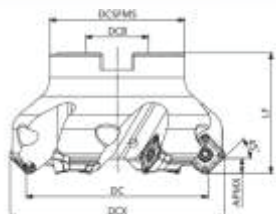
Cat. num.	Product code	cutting edges	L	W1	S	RE	BS	D1	grade	material
80082183	AOMT 060204ER-MM3	2	5.8	4.1	2.4	0.4	0.9	2.0	AP251U	P
80082182	AOMT 060208ER-MM3	2	5.8	4.1	2.4	0.8	0.5	2.0	AP403M	M

AFM45-SE12

Face Milling Cutter



SET: 45° Approach angle face milling cutter + 20 SEMT inserts



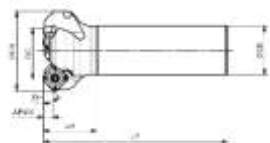
99001-
from: **189,00**
price/SET

20x SEMT...
INSERTS

(SEHT for aluminum available as an option with surcharge.)

Set number	Cat. numb. of the milling cutter	Product code	price/SET	DCX	DC	DCB	DCSFS	LF	APMX	Z	+ 20 inserts
99001490	80088753	AFM45-050-Z04-A22R-SE12-C-S	189,00	63	50	22	42	40	6	4	SEMT 12T3..
99001491	80088745	AFM45-063-Z04-A22R-SE12-C-S	193,00	76	63	22	47	40	6	4	SEMT 12T3..
99001492	80088747	AFM45-063-Z05-A22R-SE12-C-S	199,00	76	63	22	47	40	6	5	SEMT 12T3..
99001493	80088748	AFM45-080-Z04-A27R-SE12-C-S	199,00	93	80	27	58	50	6	4	SEMT 12T3..
99001494	80088749	AFM45-080-Z06-A27R-SE12-C-S	219,00	93	80	27	58	50	6	6	SEMT 12T3..
99001495	80088750	AFM45-100-Z05-A32R-SE12-C-S	219,00	113	100	32	66	50	6	5	SEMT 12T3..
99001496	80088751	AFM45-100-Z07-A32R-SE12-C-S	239,00	113	100	32	66	50	6	7	SEMT 12T3..
99001497	80088752	AFM45-125-Z06-A40R-SE12-C-S	239,00	138	125	40	85	63	6	6	SEMT 12T3..
99001498	80087910	AFM45-125-Z08-A40R-SE12-C-S	269,00	138	125	40	85	63	6	8	SEMT 12T3..
99001499	80088947	AFM45-160-Z07-A40R-SE12-S	289,00	173	160	40	110	63	6	7	SEMT 12T3..
99001500	80087909	AFM45-160-Z10-A40R-SE12-S	330,00	173	160	40	110	63	6	10	SEMT 12T3..
99001501	80088948	AFM45-200-Z08-A60R-SE12-S	389,00	213	200	60	140	63	6	8	SEMT 12T3..
99001502	80087907	AFM45-200-Z12-A60R-SE12-S	440,00	213	200	60	140	63	6	12	SEMT 12T3..
99001503	80088949	AFM45-250-Z10-A60R-SE12-S	499,00	263	250	60	160	63	6	10	SEMT 12T3..
99001504	80087908	AFM45-250-Z14-A60R-SE12-S	550,00	263	250	60	160	63	6	14	SEMT 12T3..

SET: 45° Approach angle face milling cutter + 20 SEMT inserts



99001-
from: **189,00**
price/SET

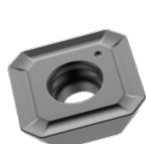
20x SEMT...
INSERTS

(SEHT for aluminum available as an option with surcharge.)

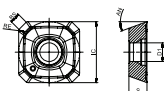
Set number	Cat. numb. of the milling cutter	Product code	price/SET	DCX	DC	DCB	LF	LH	APMX	Z	+ 20 inserts
99001505	80088753	AFM45-032-Z03-C32R-SE12-L120-C-S	189,00	45	32	32	120	35	6	3	SEMT 12T3..
99001506	80088745	AFM40-040-Z03-C32R-SE12-L120-C-S	195,00	53	40	32	120	35	6	3	SEMT 12T3..

SEMT insert selection

P



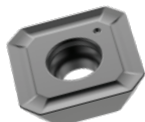
80088344
5,90
price/PC



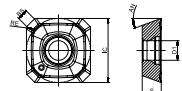
SEMT 12T3AEEN-MM4 AP251P

SEMT insert selection

M



80101305
5,90
price/PC



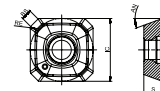
SEMT 12T3AEEN-MM4 AP351M

SEHT insert selection

N



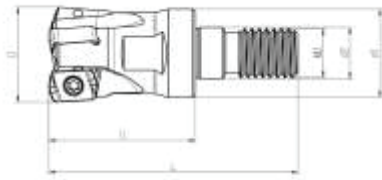
80053921
8,90
price/PC



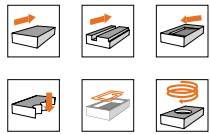
SEHT 12T3AEEN-FM2 AW100K

SET: 20° Approaching angle high feed milling cutter + 20 LNMX inserts

ACHTECK



9900138-
from: **149,00**
price/SET



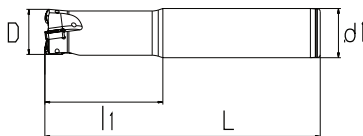
20° LNMX... +
INSERTS (Select the insert grade below!)



Set number	Cat. numb. of the milling cutter	Product code	D	d1	d2	MD	L	l1	ap max	Z	inserts	Numb. of inserts in the set	price/SET
99001383	00037580	AHM20-016-Z02-M08R-LN06-C	16	14.5	8.5	M08	42	25	0,65	2	LNMX.0604..	20	149,00
99001384	00037581	AHM20-017-Z02-M08R-LN06-C	17	14.5	8.5	M08	42	25	0,65	2	LNMX.0604..	20	150,00
99001385	00037582	AHM20-020-Z03-M10R-LN06-C	20	18	10.5	M10	51	30	0,65	3	LNMX.0604..	20	168,00
99001386	00037583	AHM20-021-Z03-M10R-LN06-C	21	18	10.5	M10	51	30	0,65	3	LNMX.0604..	20	168,00
99001387	00037584	AHM20-025-Z04-M12R-LN06-C	25	23	12.5	M12	59	35	0,65	4	LNMX.0604..	20	188,00
99001388	00037585	AHM20-026-Z04-M12R-LN06-C	26	23	12.5	M12	59	35	0,65	4	LNMX.0604..	20	185,00

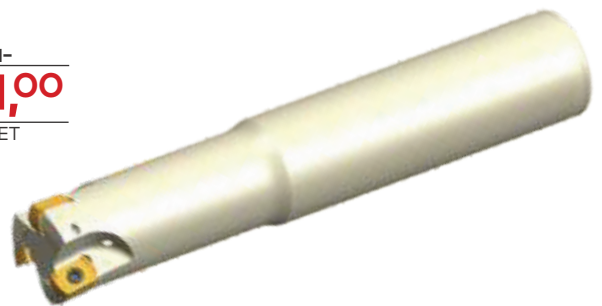
SET: Shank-type milling cutter with cylindrical mounting + 20 LNMX inserts

ACHTECK



99001-
from: **161,00**
price/SET

20° LNMX... +
INSERTS (Select the insert grade below!)

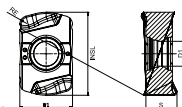


Set number	Cat. numb. of the milling cutter	Product code	D	d1	L	l1	ap max	Z	inserts	Numb. of inserts in the set	price/SET
99001393	00037590	AHM20-016-Z02-C16R-LN06-L100-C	16	16	100	30	0,65	2	LNMX.0604..	20	161,00
99001394	00037591	AHM20-017-Z02-C16R-LN06-L150-C	17	16	150	21	0,65	2	LNMX.0604..	20	170,00
99001395	00037592	AHM20-020-Z03-C20R-LN06-L130-C	20	20	130	30	0,65	3	LNMX.0604..	20	184,00
99001396	00037593	AHM20-021-Z03-C20R-LN06-L160-C	21	20	160	26	0,65	3	LNMX.0604..	20	189,00
99001397	00037594	AHM20-025-Z03-C25R-LN06-L140-C	25	25	140	56	0,65	3	LNMX.0604..	20	189,00
99001398	00037595	AHM20-026-Z03-C25R-LN06-L180-C	26	25	180	31	0,65	3	LNMX.0604..	20	210,00
99001399	00037596	AHM20-032-Z04-C32R-LN06-L150-C	32	32	150	66	0,65	4	LNMX.0604..	20	209,00
99001400	00037597	AHM20-033-Z04-C32R-LN06-L200-C	33	32	200	31	0,65	4	LNMX.0604..	20	219,00
99001401	00037598	AHM20-035-Z05-C32R-LN06-L200-C	35	32	200	31	0,65	5	LNMX.0604..	20	239,00

LNMX insert selection

P

AP351U



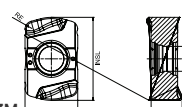
LNMX 060410ER-MM4 AP351U

Ins1	W1	S	RE	D1
10	6.35	3,6	1.0	3

LNMX insert selection

M

AP403M



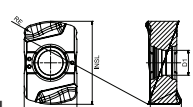
LNMX 060410ER-MM4N AP403M

Ins1	W1	S	RE	D1
10	6.35	3,6	1.0	3

LNMX insert selection

H

AP151H

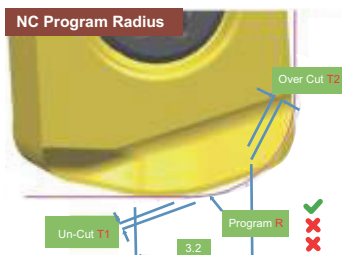


LNMX 060410ER-MM4N AP151H

Ins1	W1	S	RE	D1
10	6.35	3,6	1.0	3

Technical data for the NC program

NC Program Radius



Program R	Un-Cut T1	Over-Cut T2
R1.5	0.43	0
R2.0	0.29	0.06
R2.5	0.15	0.24

Note select R1.5 as program R, without over-cut.



Technical data:



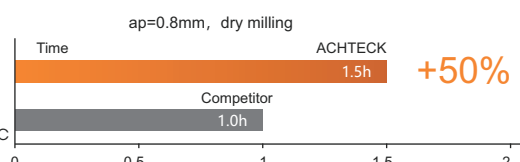
Example

Workpiece: mold
Material: alloy steel
Hardness: HB280

Inserts: LNMX 060410R-MM4 AP301U

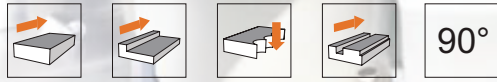
Milling cutter: AHM20-020-Z03-C20R-LN06-L130-C

Cutting parameters: Vc=188m/min, fz=0.56mm/z

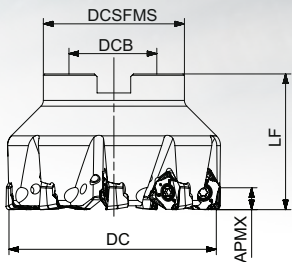


ACHTECK

90° approach angle square shoulder milling cutter

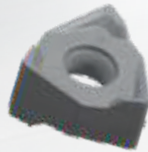


SET: Milling cutter + 20 WNGU inserts



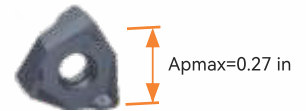
from: **299,-**
price/SET

20x WNGU...
INSERTS



ACHTECK

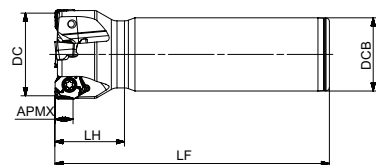
True 90° shoulder
Nickel plating for maximum tool life and chip wash protection
Positive helix rake angle with double sided insert
Big chip flute



Set num.	Cat. num. of the milling cutter	Product code	price/SET	DC	DCB	LF	DCSFMS	APMX	Z	inserts	Numb. of inserts in the set
99001507	00034032	ASM90-050-Z04-A22R-WN08-C	299,00	50	22	40	42	7	4	WNGU.0806..	20
99001508	00034033	ASM90-050-Z05-A22R-WN08-C	320,00	50	22	40	42	7	5	WNGU.0806..	20
99001509	00039870	ASM90-063-Z04-A22R-WN08-C	305,00	63	22	40	48	7	4	WNGU.0806..	20
99001510	00034034	ASM90-063-Z06-A22R-WN08-C	340,00	63	22	40	48	7	6	WNGU.0806..	20
99001511	00034035	ASM90-063-Z07-A22R-WN08-C	359,00	63	22	40	48	7	7	WNGU.0806..	20
99001512	00039872	ASM90-080-Z05-A27R-WN08-C	335,00	80	27	50	62	7	5	WNGU.0806..	20
99001513	00034036	ASM90-080-Z07-A27R-WN08-C	369,00	80	27	50	62	7	7	WNGU.0806..	20
99001514	00034037	ASM90-080-Z09-A27R-WN08-C	399,00	80	27	50	62	7	9	WNGU.0806..	20
99001515	00039874	ASM90-100-Z06-A32R-WN08-C	355,00	100	32	50	80	7	6	WNGU.0806..	20
99001516	00034038	ASM90-100-Z08-A32R-WN08-C	389,00	100	32	50	80	7	8	WNGU.0806..	20
99001517	00034039	ASM90-100-Z11-A32R-WN08-C	439,00	100	32	50	80	7	11	WNGU.0806..	20
99001518	00039876	ASM90-125-Z07-A40R-WN08-C	389,00	125	40	63	87	7	7	WNGU.0806..	20
99001519	00034040	ASM90-125-Z11-A40R-WN08-C	450,00	125	40	63	87	7	11	WNGU.0806..	20
99001520	00034041	ASM90-125-Z13-A40R-WN08-C	530,00	125	40	63	87	7	13	WNGU.0806..	20
99001521	80008987	ASM90-160-Z08-A40R-WN08	399,00	160	40	63	107	7	8	WNGU.0806..	20
99001522	00034042	ASM90-160-Z12-A40R-WN08	450,00	160	40	63	107	7	12	WNGU.0806..	20
99001523	00038927	ASM90-200-Z14-A60R-WN08	555,00	200	60	63	140	7	14	WNGU.0806..	20
99001524	80043748	ASM90-250-Z16-A60R-WN08	569,00	250	60	63	180	7	16	WNGU.0806..	20

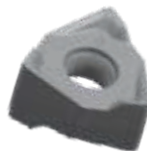
SET: Milling cutter + 20 WNGU inserts

ACHTECK



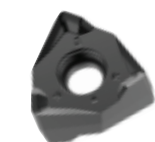
from: **299,00**
price/SET

20x WNGU...
INSERTS

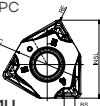


Set num.	Cat. num. of the milling cutter	Product code	price/SET	DC	DCB	LF	LH	APMX	Z	inserts	Numb. of inserts in the set
99001525	00024399	ASM90-040-Z03-W32R-WN08-C	299,00	40	32	120	31	7	3	WNGU.0806..	20
99001526	00034031	ASM90-040-Z04-W32R-WN08-C	320,00	40	32	120	31	7	4	WNGU.0806..	20

WNGU insert selection

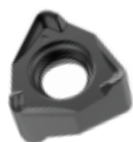


00034905
1090
price/PC

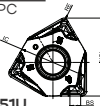


WNGU 080608R-MM3 AP351U

WNGU insert selection



00033751
1090
price/PC



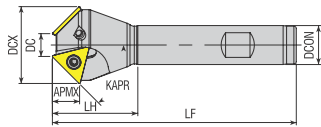
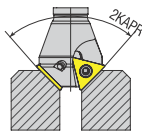
WNGU 080608R-MM4 AP351U

Comparison:

MM3		- Low cutting force, for weak machining condition - Sharp geometry - For steel, stainless-steel and heat resistant alloy machining
MM4		- For medium machining condition - Universal geometry - For machining most materials

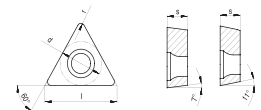
SET: Chamfer milling + 10 TCMT inserts

- For hole diameters from Ø 8 mm onwards
- Weldon shank



10x TCMT...
INSERTS

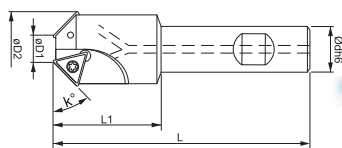
from: **62,00**
price/SET



Set number	Product code	Cat. num. of the milling chamfer	price/SET	DC	DCON	LF	KAPR	DCX	LH	ZEFP	APMX	+ 10 inserts
99001447	ACM45-TC11-D8X21.5-W16-L90-Z02	M.06.05.01.06	62,00	8	16	90	45	21.5	20	2	6.9	TCMT 11..
99001448	ACM45-TC16-D10X31-W20-L100-Z02	M.06.05.01.96	79,00	10	20	100	45	31	35	2	10.8	TCMT 16..

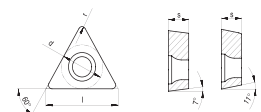
SET: Chamfer milling cutter with internal cooling + 10 TCMT inserts

- 30°, 45° or 60°
- For bore diameter Ø 1,2mm onwards
- Weldon clamping



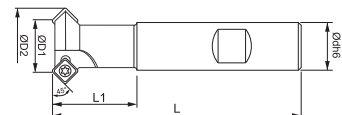
10x TCMT...
INSERTS

from: **80,00**
price/SET



Set number	Product code	price/SET	Ø D1	Ø D2	H	L	Ø dh6	K°	Z	+ 10 inserts
99000299	F30TC16032WZ2R	119,00	6,0	32,0	39	95	20	30	2	TCMT 16..
99000300	F45TC11016WZ1R	80,00	1,2	16,0	20	70	12	45	1	TCMT 11..
99000301	F45TC11021WZ2R	98,00	6,0	21,0	35	90	20	45	2	TCMT 11..
99000302	F45TC16325WWZ2R	129,00	10,4	32,5	39	95	25	45	2	TCMT 16..
99000303	F60TC11016WZ1R	80,00	5,4	16,0	20	70	12	60	1	TCMT 11..
99000304	F60TC11026WWZ2R	115,00	15,8	26,0	35	90	20	60	2	TCMT 11..
99000305	F60TC16035WWZ2R	130,00	20,0	35,0	39	95	25	60	2	TCMT 16..

SET: Chamfer milling cutter + 10 SCMT inserts



10x SCMT...
INSERTS

from: **98,00**
price/SET



Set number	Product code	price/SET	Ø D1	Ø D2	L	L1	Ø dh6	Z	+ 10 inserts
99001450	F45SC09012WZ1R	98,00	12	24,8	100	25	20	1	SC.. 09T3
99001451	F45SC09016WZ2R	108,00	16	28,5	100	35	16	2	SC.. 09T3
99001452	F45SC09030WZ3R	125,00	30	42,8	100	35	25	3	SC.. 09T3
99001453	F45SC09012WLZ1R	115,00	12	23,7	200	25	20	1	SC.. 09T3
99001454	F45SC09016WLZ2R	126,00	16	28,8	200	42	20	2	SC.. 09T3
99001455	F45SC09030WLZ3R	145,00	30	42,3	200	40	255	3	SC.. 09T3

SET: NC drill + inserts

- 90° tip angle
- Insert for non-hardened steels and cast iron
- DIN 1835-B
- For engraving, NC spot drilling, chamfering, face turning

from: **65,00**
price/SET

NC drill + 1x inserts

Set number	price/SET	Product code	dimension (mm)						inserts
			D max	T max	L1	L	D2	L2	
99001479	65,00	MS90-14100-S12	14	7	33	100	12	67	SKMX11T308-MS
99001480	65,00	MS90-14100-S16	14	7	35	100	16	65	SKMX11T308-MS
99001481	69,00	MS90-14150-S16	14	7	35	150	16	115	SKMX11T308-MS
99001482	75,00	MS90-14220-S20	14	7	40	220	20	180	SKMX11T308-MS

Inserts for NC drill

1x SKMX11T308-MS **14,90**
INSERT price/PC

10x SKMX11T308-MS **13,90**
INSERT price/PC



SET: Torque wrench with bits

Set includes:

- TPK-H01 - universal T-handle, suitable for torque range 0.6–5.5 Nm
- TPK-H02 - slim, ergonomic handle for precise and efficient tightening and loosening of small screws, suitable for torque range 0.6–2.0 Nm
- Adapters made of carbon steel, HRC 43–48, nickel-plated and equipped with a magnet
- Interchangeable bits, HRC 58–60



TORX



O-TPK01-TGTX-12K

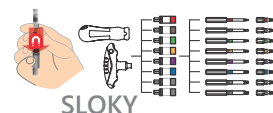
Holder	price/SET	size	ADAPTER Nm	kgfcm	bits length 25 mm + 50 mm
TPK-H01	120,00	Tx6	0,6	6,1	1 pc + 1 pc
+		Tx7	0,9	9,2	1 pc + 1 pc
TPK-H02		Tx8	1,2	12,0	1 pc + 1 pc
		Tx9	1,4	14,0	1 pc + 1 pc
		Tx10	2,0	20,4	1 pc + 1 pc
		TX15	3,0	30,6	1 pc + 1 pc

TORX PLUS



O-TPK02-TGIP-12K

Holder	price/SET	size	ADAPTER Nm	kgfcm	bits length 25 mm + 50 mm
TPK-H01	128,00	6IP	0,6	6,1	1 kos + 1 kos
+		7IP	0,9	9,2	1 kos + 1 kos
TPK-H02		8IP	1,2	12,0	1 kos + 1 kos
		9IP	1,4	14,0	1 kos + 1 kos
		10IP	2,0	20,4	1 kos + 1 kos
		15IP	3,0	30,6	1 kos + 1 kos



SLOKY



Nine9®

9-piece Angle Hex Key SET with Plastic Holder

- S2 steel
- Powder-coated
- Matte chrome-plated
- Angled
- Long arm with ball end
- Allows screwing at an angle of up to 25°
- Short arm chamfered
- Set contents: SW 1,5–10 mm

2000825110
17,90
price/SET



TECWERK



9-piece Torx Angle Screwdriver SET

- S2 steel
- Powder-coated
- With ball ends
- With color coding
- For screws with internal TORX profile
- Set contents: T9–T45

2000825115
22,90
price/SET



TECWERK



Digital caliper

- Measuring range: 0-150 mm
- Depth gauge: flat
- Accuracy: $\pm 0,01$ mm



from: **89,00**
price/PC

Mitutoyo



External measurement



Internal measurement



Step measurement



Depth measurement



DIN 862 ABS



Digimatic

Cat. num.	Gauge designation	Range mm	Accuracy mm	price/pc
301705 150	500-181-30	0-150	$\pm 0,01$	89,00
301705 200	500-182-30	0-200	$\pm 0,01$	169,00

Digital caliper, IP67

- High accuracy and linearity
- Absolute zero setting
- Includes Quadi function
- Protection: IP67
- ABSolute function



500-706-20
(301800 150)

135,00
price/PC

Mitutoyo



External measurement



Internal measurement



Step measurement



Depth measurement



Caliper

- Measuring range: 0-150 mm
- Accuracy: $\pm 0,05$ mm
- Locking screw on top



300611 150 (530-101)

29,90
price/PC

Mitutoyo

Mitutoyo

Portable surface roughness tester, SJ-220



NEW

Analog dial indicator

- Reading: 0.01 mm
- Measuring range: 10 mm



321720 0,8x40
(513-404-10E)

81,00
price/PC

Mitutoyo

Analog dial indicator

- Reading: 0.01 mm
- Measuring range: 10 mm



320107 2046AB

37,90
price/PC

Mitutoyo



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