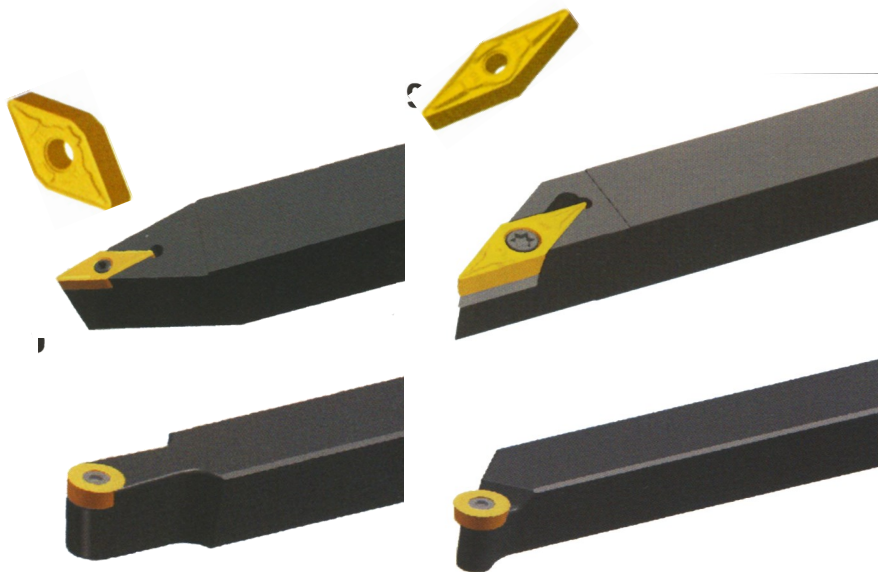
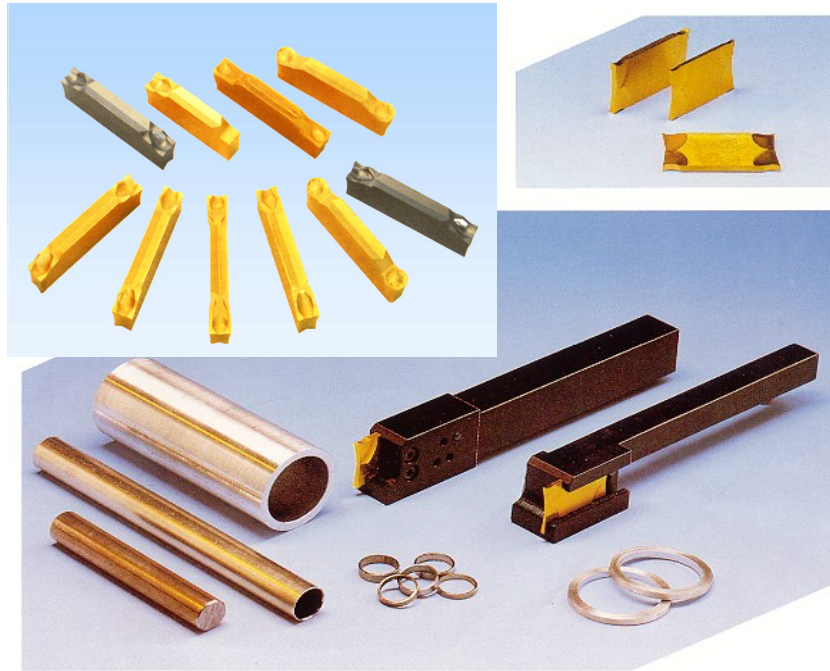
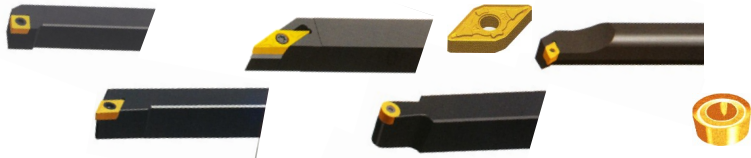


HM-Wendeplatten Drehen

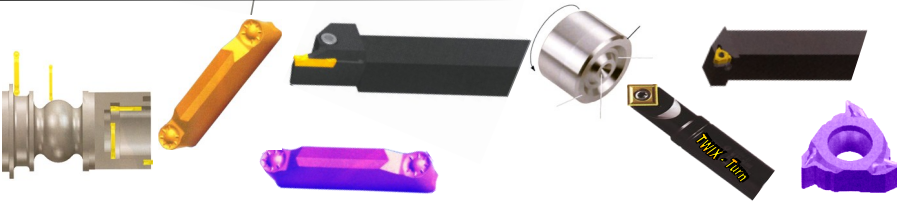


VHM - Wendepplatten - Drehen



Twix Turn ISO - Drehen

4/3 - 4/6



Twix Turn ISO - Drehen

4/7

2 Schneiden Stech- und Drehprogramm

4/7

4 Schneiden Stechprogramm

4/8

NC - Anbohrer

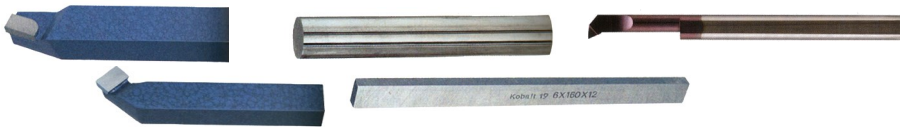
4/8

Fasenfräser

4/9

Gewindedrehen

4/9



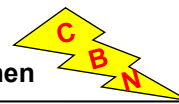
HM - Drehstähle

HSSE - Co10 Drehlinge

4/29

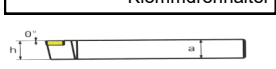
VHM - Micro - Drehstähle

3/48



9000 R / 9000 L r=rechts l=links

95° Abbildung = rechts

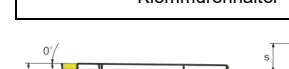
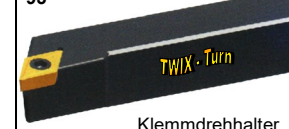


Bestell-Beispiel: Art.-Nr. 9000 R10 = Bestell-Nr. 9000r1000

Art. - Nr.		Abmessungen mm						Preis CHF
SCLCR	SCLCL	a	b	L	h	s	e	
9000R 08	9000L 08	08	08	60	08	10	08	47.30
9000R 10	9000L 10	10	10	70	10	12	10	49.40
9000R 12	9000L 12	12	12	80	12	16	16	53.60
9000R 16	9000L 16	16	16	100	16	20	16	68.30
9000R 20	9000L 20	20	20	125	20	25	25	74.60
9000R 25	9000L 25	25	25	150	25	32	26	79.80

9010 R / 9010 L r=rechts l=links

93° Abbildung = rechts

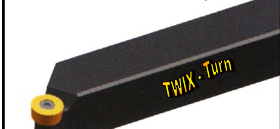


Bestell-Beispiel: Art.-Nr. 9010 R10 = Bestell-Nr. 9010r1000

Art. - Nr.		Abmessungen mm						Preis CHF
SDJCR	SDJCL	a	b	L	h	s	e	
9010R 10	9010L 10	10	10	70	10	12	15	55.70
9010R 12	9010L 12	12	12	80	12	16	15	59.90
9010R 16	9010L 16	16	16	100	16	20	18	79.80
9010R 20	9010L 20	20	20	125	20	25	24	81.90
9010R 25	9010L 25	25	25	150	25	32	29	81.90

9020 R / 9020 L r=rechts l=links

Abbildung = rechts



Bestell-Beispiel: Art.-Nr. 9020 R2010 = Bestell-Nr. 9020r2010

Art. - Nr.		Abmessungen mm					Preis CHF
SRGCR	SRGCL	a	b	L	h	s	
9020R 2010	9020L 2010	20	20	125	20	25	74.60
9020R 2510	9020L 2510	25	25	150	25	32	81.90
9020R 2012	9020L 2012	20	20	125	20	25	74.60
9020R 2512	9020L 2512	25	25	150	25	32	81.90

Materialeignung	Alu	Alu Guss > 10% Si	Stahl > 750N	Stahl > 900N	Stahl > 1400N	Stahl > 55 HRC	Stahl > 60 HRC	Hochvergütete Stähle	INOX	TITAN / Cu	GG (G)	Universal
9001 TIN	●	○	●	●	○	○	○	○	○	○	○	●
9001 ALU	●	●	○	○	○	○	○	○	○	○	○	○
9002 TIALN	○	○	○	○	○	○	○	○	○	○	○	○
9201 CBN	○	○	○	○	○	○	○	○	○	○	○	○

VHM-Wendeplatten

TIN-Beschichtet

f. ALU + Kunststoff

TIALN-Beschichtet

CBN

Schraube Schlüssel Unterlage Zwischen Schraube

Art.-Nr.	Preis	Art.-Nr.	Preis	Art.-Nr.	Preis	Art.-Nr.	Preis
CCMT0602...		CCGX0602...		CCMT0602...		CCGW...	
9001 R 0.4	6.00	9001AL R 0.2	7.60	9002 R 0.4	7.00	9201 R 0.4	46.20
9001 R 0.8	6.00	9001AL R 0.4	7.60	9002 R 0.8	7.00	9201 R 0.8	46.20
CCMT09T3...		CCGX09T3...		CCMT09T3...		CCGW...	
9003 R 0.4	6.80	9003AL R 0.4	8.30	9004 R 0.4	8.10	9203 R 0.4	78.00
9003 R 0.8	6.80	9003AL R 0.8	8.30	9004 R 0.8	8.10	9203 R 0.8	78.00
CCMT1204...		CCGX1204...		CCMT1204...		CCGW...	
9005 R 0.4	8.90	9005AL R 0.4	10.30	9006 R 0.4	10.20	9205 R 0.4	78.00
9005 R 0.8	8.90	9005AL R 0.8	10.30	9006 R 0.8	10.20	9205 R 0.8	78.00

9007-1 M 2.5 CHF 4.80	9008-1 T07 CHF 4.10		
9007-2 M 3.5 CHF 4.80	9008-2 T15 CHF 4.10		
9007-3 M 4.0 CHF 4.80	9008-3 CHF 2.80	9009-1 CHF 3.60	9009-2 CHF 3.30

Materialeignung	Alu	Alu Guss > 10% Si	Stahl > 750N	Stahl > 900N	Stahl > 1400N	Stahl > 55 HRC	Stahl > 60 HRC	Hochvergütete Stähle	INOX	TITAN / Cu	GG (G)	Universal
9011 TIN	○	○	○	○	○	○	○	○	○	○	○	○
9011 ALU	●	○	○	○	○	○	○	○	○	○	○	○
9012 TIALN	○	○	○	○	○	○	○	○	○	○	○	○
9211 CBN	○	○	○	○	○	○	○	○	○	○	○	○

VHM-Wendeplatten

TIN-Beschichtet

f. ALU + Kunststoff

TIALN-Beschichtet für INOX

CBN

Bestell-Beispiel: Art.-Nr. 9011 R0.4 = Bestell-Nr. 9011r0040

Art.-Nr.	Preis	Art.-Nr.	Preis	Art.-Nr.	Preis	Art.-Nr.	Preis
DCMT0702...		DCGX0702...		DCMT0702...		DCGW...	
9011 R 0.4	6.60	9011AL R 0.2	8.30	9012 R 0.4	7.70	9211 R 0.4	53.00
9011 R 0.8	6.60	9011AL R 0.4	8.30	9012 R 0.8	7.70	9211 R 0.8	53.00
DCMT11T3...		DCGX11T3...		DCMT11T3...		DCGW...	
9013 R 0.4	7.70	9013AL R 0.2	8.90	9014 R 0.4	8.70	9213 R 0.4	78.00
9013 R 0.8	7.70	9013AL R 0.4	8.90	9014 R 0.8	8.70	9213 R 0.8	78.00
9013 R 1.2	7.70	9013AL R 0.8	8.90	9014 R 1.2	8.70		

9016-1 M 2.5 CHF 4.80	9019-1 T07 CHF 4.10		
9016-2 M 3.5 CHF 4.80	9019-2 T15 CHF 4.10		
	9019-3 CHF 2.80	9017 CHF 3.60	9018 M5 CHF 3.30

Materialeignung	Alu	Alu Guss > 10% Si	Stahl > 750N	Stahl > 900N	Stahl > 1400N	Stahl > 55 HRC	Stahl > 60 HRC	Hochvergütete Stähle	INOX	TITAN / Cu	GG (G)	Universal
9021 TIN	○	○	○	○	○	○	○	○	○	○	○	○
9023 TIALN	○	○	○	○	○	○	○	○	○	○	○	○

Bestell-Beispiel: Art.-Nr. 9021 Ø 10 R5 = Bestell-Nr. 90211000

VHM-Wendeplatten

TIN-Beschichtet

TIALN-Beschichtet für INOX

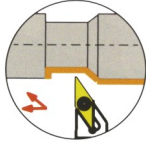
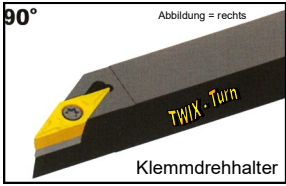
Schraube Schlüssel Unterlage Zwischen Schraube

Art.-Nr.	Preis	Art.-Nr.	Preis
RCMX...		RCMX...	
9021 Ø 10 mm R5	6.20	9023 Ø 10 mm R5	7.20
9021 Ø 12 mm R6	7.10	9023 Ø 12 mm R6	8.20

9025-1 M 3.5 x 10 CHF 4.80	9028 T15 CHF 3.30		
9025-2 M 3.5 x 12 CHF 4.80	9029 CHF 2.80	9026 CHF 1.6	9027 M5 CHF 3.90



9030 R / 9030 L r=rechts l=links



Bestell-Beispiel: Art.-Nr. 9030 R16 = Bestell-Nr. 9030R1600

Art. - Nr.		Abmessungen mm						Preis CHF
SVABR	SVABL	a	b	L	h	s	e	
9030R 16	9030L 16	16	16	100	16	16.5	32	79.80
9030R 20	9030L 20	20	20	125	20	20.5	32	81.90
9030R 25	9030L 25	25	25	150	25	25.5	38	81.90

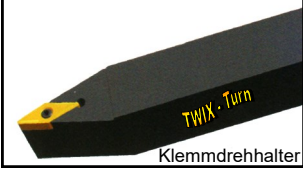
Materialeignung	Alu	Alu Guss > 10% Si	Stahl > 750N	Stahl > 900N	Stahl > 1400N	Stahl > 55 HRC	Stahl > 60 HRC	Hochvergütete Stähle	INOX	TITAN / Cu	GG (G)	Universal
9031 TIN		○	●	●	○	○				○	○	●
9031 ALU	●	●							○	○		
9032 TIALN			○	○	○	○			○	○	○	○
9231 CBN				○	○	○	○	○	○	○	○	○



Art.-Nr.	Preis	Art.-Nr.	Preis	Art.-Nr.	Preis	Art.-Nr.	Preis
VBMT1604...		VCGX1604...		VBMT1604...		VBGW...	
9031 R 0.4	11.00	9031AL R 0.4	11.50	9032 R 0.4	12.10	9231 R 0.4	78.00
9031 R 0.8	11.00	9031AL R 0.8	11.50	9032 R 0.8	12.10	9231 R 0.8	78.00
9031 R 1.2	11.00	9031AL R 1.2	11.50	9032 R 1.2	12.10		

Schraube	Schlüssel	Unterlage	Zwischen Schraube
9034 M 3.5 CHF 3.30	9037 T15 CHF 4.10	9035 CHF 4.10	9036 M5 CHF 3.30
	9038 CHF 2.80		

9040
72.5°



Bestell-Beispiel: Art.-Nr. 9040 12 = Bestell-Nr. 90401200

Art. - Nr.		Abmessungen mm						Preis CHF
SVVBN		a	b	L	h	s	e	
9040 12		12	12	80	12	6	27	59.90
9040 16		16	16	100	16	8	27	79.80
9040 20		20	20	125	20	10	30	81.90
9040 25		25	25	150	25	12.5	38	81.90

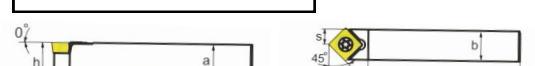
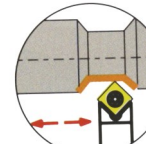
Materialeignung	Alu	Alu Guss > 10% Si	Stahl > 750N	Stahl > 900N	Stahl > 1400N	Stahl > 55 HRC	Stahl > 60 HRC	Hochvergütete Stähle	INOX	TITAN / Cu	GG (G)	Universal
9041 TIN		○	●	●	○	○				○	○	●
9041 ALU	●	●							○	○		
9042 TIALN			○	○	○	○			○	○	○	○
9243 CBN				○	○	○	○	○	○	○	○	○



Art.-Nr.	Preis	Art.-Nr.	Preis	Art.-Nr.	Preis	Art.-Nr.	Preis
VBMT1102...		VCGX1102...		VBMT1102...		VBGW...	
9041 R 0.2	10.00			9042 R 0.2	11.00		
9041 R 0.4	10.00	9041AL R 0.4	10.40	9042 R 0.4	11.00		
9041 R 0.8	10.00			9042 R 0.8	11.00		
9043 R 0.4	11.00	9043AL R 0.4	11.50	9044 R 0.4	12.10	9243 R 0.4	78.00
9043 R 0.8	11.00	9043AL R 0.8	11.50	9044 R 0.8	12.10	9243 R 0.8	78.00
9043 R 1.2	11.00	9043AL R 1.2	11.50	9044 R 1.2	12.10		

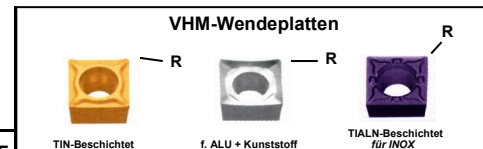
Schraube	Schlüssel	Unterlage	Zwischen Schraube
9046-1 M 2.5 CHF 3.30	9049-1 T07 CHF 4.10		
9046-2 M 3.5 CHF 3.30	9049-2 T15 CHF 4.10	9047 CHF 3.30	9048 M5 CHF 3.30
	9049-3 CHF 2.80		

9050
45°



Art. - Nr.		Abmessungen mm						Preis CHF
SSDCN		a	b	L	h	s	e	
9050 12		12	12	80	12	6	15.5	59.90
9050 16		16	16	100	16	8	15.5	79.80
SSSCR 9050 20		20	20	125	20	21	24	93.50

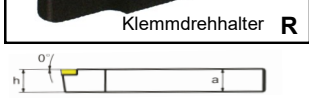
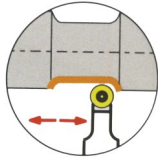
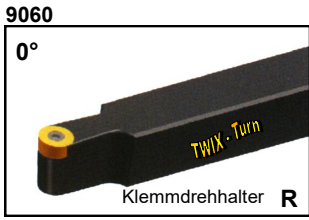
Materialeignung	Alu	Alu Guss > 10% Si	Stahl > 750N	Stahl > 900N	Stahl > 1400N	Stahl > 55 HRC	Stahl > 60 HRC	Hochvergütete Stähle	INOX	TITAN / Cu	GG (G)	Universal
9001 TIN		○	●	●	○	○				○	○	●
9001 ALU	●	●							○	○		
9002 TIALN			○	○	○	○			○	○	○	○



Art.-Nr.	Preis	Art.-Nr.	Preis	Art.-Nr.	Preis
SCMT09T3...		SCGX09T3...		SCMT09T3...	
9051 R 0.4	8.20	9051AL R 0.2	10.30	9052 R 0.4	9.20
9051 R 0.8	8.20	9051AL R 0.4	10.30	9052 R 0.8	9.20
9051 R 0.4	8.20	9051AL R 0.2	10.30	9052 R 0.4	9.20
9051 R 0.8	8.20	9051AL R 0.4	10.30	9052 R 0.8	9.20
SCMT1204...		SCGX1204...		SCMT1204...	
9053 R 0.4	8.20	9053AL R 0.4	10.30	9054 R 0.4	10.30
9053 R 0.8	8.20	9053AL R 0.8	10.30	9054 R 0.8	10.30

Schraube	Schlüssel	Unterlage	Zwischen Schraube
9055-1 M 3.5 x 8 CHF 3.30	9058-1 T15 CHF 4.10		
9055-2 M 3.5 x 12 CHF 3.30	9058-1 T15 CHF 4.10	9056-1 CHF 4.00	9057-1 CHF 3.30
9055-3 M 4 x 11 CHF 4.00	9058-1 T15 CHF 4.10	9056-2 CHF 4.70	9057-2 CHF 4.80





Bestell-Beispiel: Art.-Nr. 9060 Ø 16 = Bestell-Nr. 90601608

Art. - Nr.	Abmessungen mm						Preis CHF
	a	b	L	h	s	e	
SRDCN							
9060 1608	16	16	100	16	8	16	79.80
9060 2012	20	20	150	20	10	28	79.80
9060 2512	25	25	150	25	12.5	28	79.80
9060 3212	32	25	170	32	12.5	35	93.50
9060 3216	32	25	170	32	12.5	35	93.50

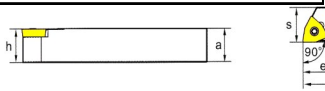
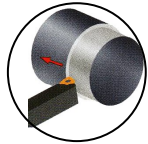
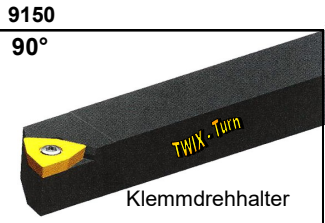
Materialeignung	Alu	Alu Guss > 10% Si	Stahl > 750N	Stahl > 900N	Stahl > 1400N	Stahl > 55 HRC	Stahl > 60 HRC	Hochvergütete Stähle	INOX	TITAN / Cu	GG (G)	Universal
9061 TIN	○	●	●	●	●	○			○	○	●	●
9062 TIALN	○	●	●	●	●	○			○	○	●	●

Bestell-Beispiel: Art.-Nr. 9061 Ø 8 R4 = Bestell-Nr. 90610800



Art.-Nr.	Preis	Art.-Nr.	Preis
RCMT1204...		RCMT1204...	
9061 Ø 8 mm R4	6.80	9062 Ø 8mm R4	7.90
9061 Ø 12 mm R6	7.90	9062 Ø 12 mm R6	8.90
9061 Ø 12 mm R6	7.90	9062 Ø 12 mm R6	8.90
9061 Ø 12 mm R6	7.90	9062 Ø 12 mm R6	8.90
9061 Ø 16 mm R8	11.50	9062 Ø 16 mm R8	12.50

Schraube	Schlüssel	Unterlage	Zwischen Schraube
9064-1 M 3 CHF 3.30	9067 T10 CHF 4.10		
9064-2 M 3.5 CHF 3.30	9069-1 T15 CHF 4.10	9065-1 CHF 1.60	9066-1 M 5 CHF 3.90
9064-3 M 4 CHF 3.30	9069-2 T15 CHF 2.80	9065-2 CHF 1.60	9066-2 M 6 CHF 3.90

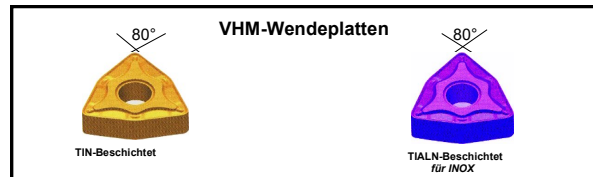


Bestell-Beispiel: Art.-Nr. 9150 10 = Bestell-Nr. 91501000

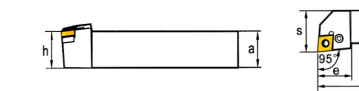
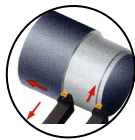
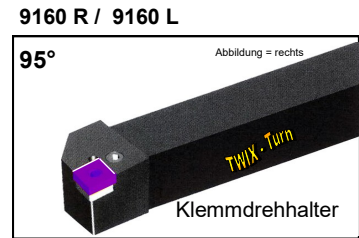
Art. - Nr.	Abmessungen mm						Preis CHF
	a	b	L	h	s	e	
SWACR							
9150 10	10	10	70	10	10.5	10	49.40
9150 12	12	12	80	12	12.0	14	53.60
9150 16	16	16	100	16	16.5	20	70.40
9150 20	20	20	125	20	20.5	24	72.50

Materialeignung	Alu	Alu Guss > 10% Si	Stahl > 750N	Stahl > 900N	Stahl > 1400N	Stahl > 55 HRC	Stahl > 60 HRC	Hochvergütete Stähle	INOX	TITAN / Cu	GG (G)	Universal
9151 TIN	○	○	●	●	●				○	○	●	●
9152 TIALN	○	●	●	●	●				○	○	●	●

Bestell-Beispiel: Art.-Nr. 9151 R0,8 = Bestell-Nr. 9151r0080



Art.-Nr.	Preis	Art.-Nr.	Preis	Schraube	Schlüssel
WCMX040208...		WCMX040208...			
9151 R 0.8	8.70	9152 R 0.8	9.90	9158-1 M 2.5 CHF 4.90	9159-1 T07 CHF 6.90
9151 R 0.8	8.70	9152 R 0.8	9.90	9158-2 M 3 CHF 4.90	9159-2 T10 CHF 6.90
WCMX06T308... 9153 R 0.8	9.60	WCMX06T308... 9154 R 0.8	10.60	9158-3 M 3.5 CHF 4.90	9159-3 T15 CHF 8.30
WCMX080412... 9155 R 1.2	9.60	WCMX080412... 9156 R 1.2	10.60		



Bestell-Beispiel: Art.-Nr. 9160 R20 = Bestell-Nr. 9160r2000

Art. - Nr.	Abmessungen mm						Preis CHF	
	a	b	L	h	s	e		
PCLNR								
9160 R20	9160 L20	20	20	125	20	25	28	72.50
9160 R25	9160 L25	25	25	150	25	32	28	72.50
9160 R32	9160 L32	32	32	170	32	40	28	95.60

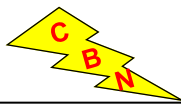
Materialeignung	Alu	Alu Guss > 10% Si	Stahl > 750N	Stahl > 900N	Stahl > 1400N	Stahl > 55 HRC	Stahl > 60 HRC	Hochvergütete Stähle	INOX	TITAN / Cu	GG (G)	Universal
9161 TIALN	○	○	●	●	●				○	○	●	●



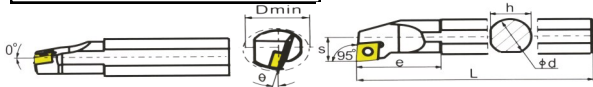
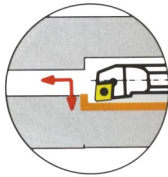
Art.-Nr.	Preis
CCNM1204...	
9161 R 0.4	7.10
9161 R 0.8	7.10
9161 R 1.2	7.10

Schraube	Unterlage	Schlüssel	Kniehebel	Rohrstift
9165 M 8 CHF 6.90	9166 C 12 CHF 4.70	9167 H 30 CHF 3.90	9168 CHF 9.70	9169 CHF 2.80

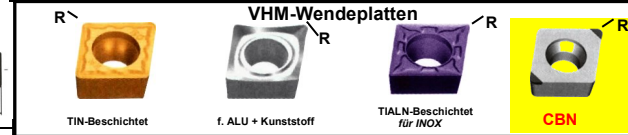
Bohrstangen VHM - Wendeplatten ISO-Drehen



9070 R / 9070 L r=rechts l=links



Materialeignung	Alu	Alu Guss > 10% Si	Stahl > 750N	Stahl > 900N	Stahl > 1400N	Stahl > 55 HRC	Stahl > 60 HRC	Hochvergütete Stähle	INOX	TITAN/ Cu	GG (G)	Universal
9071 TIN	○	○	●	●	●	●	○	○	○	●	○	●
9071 ALU	●	●	○	○	○	○	○	○	○	○	○	○
9072 TIALN	○	○	●	●	●	●	○	○	○	○	○	○
9271 CBN	○	○	○	○	○	○	○	○	○	○	○	○



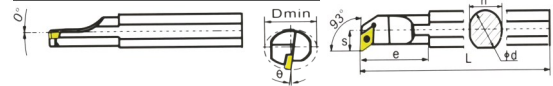
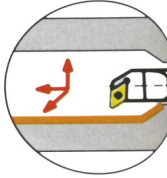
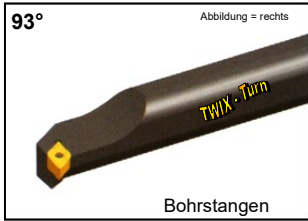
Art.-Nr.	Preis	Art.-Nr.	Preis	Art.-Nr.	Preis	Art.-Nr.	Preis
CCMT09T3...		CCGX09T3...		CCMT09T3...		CCGW09T3...	
9071 R 0.4	6.80	9071AL R 0.4	8.30	9072 R 0.4	8.90	9271 R 0.4	78.00
9071 R 0.8	6.80	9071AL R 0.8	8.30	9072 R 0.8	8.90	9271 R 0.8	78.00

Schraube	Schlüssel
9074-1 M3.5x8 CHF 3.30	9076 T15 CHF 4.10
9074-2 M3.5x10 CHF 3.30	

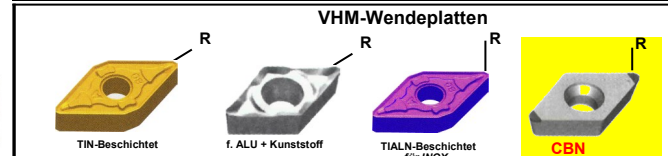
Bestell-Beispiel: Art.-Nr. 9070 R16 = 9070R1600

Bestell-Beispiel: Art.-Nr. 9071 R0.4 = Bestell-Nr. 9071R0040

9080 R / 9080 L r=rechts l=links



Materialeignung	Alu	Alu Guss > 10% Si	Stahl > 750N	Stahl > 900N	Stahl > 1400N	Stahl > 55 HRC	Stahl > 60 HRC	Hochvergütete Stähle	INOX	TITAN/ Cu	GG (G)	Universal
9081 TIN	○	○	●	●	●	●	○	○	○	●	○	●
9081 ALU	●	●	○	○	○	○	○	○	○	○	○	○
9082 TIALN	○	○	●	●	●	●	○	○	○	○	○	○
9281 CBN	○	○	○	○	○	○	○	○	○	○	○	○

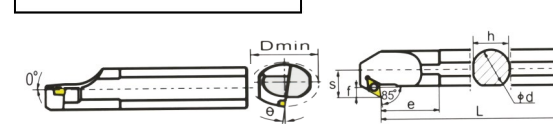
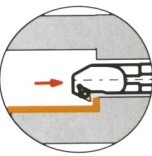


Art.-Nr.	Preis	Art.-Nr.	Preis	Art.-Nr.	Preis	Art.-Nr.	Preis
DCMT0702...		DCGX0702...		DCMT0702...		DCGW...	
9081 R 0.4	5.60	9081AL R 0.2	7.20	9082 R 0.4	7.90	9281 R 0.4	53.00
9081 R 0.8	5.60	9081AL R 0.4	7.20	9082 R 0.8	7.90	9281 R 0.8	53.00
DCMT11T3...		DCGX11T3...		DCMT11T3...		DCGW...	
9083 R 0.4	7.70	9083AL R 0.4	9.40	9084 R 0.4	10.00	9283 R 0.4	78.00
9083 R 0.8	7.70	9083AL R 0.8	9.40	9084 R 0.8	10.00	9283 R 0.8	78.00

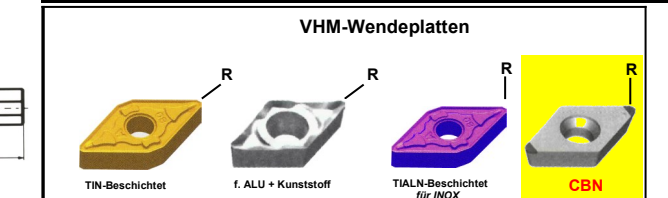
Schraube	Schlüssel
9086-1 M2.5x 5.5 CHF3.30	9088-1 T07 CHF 4.10
9086-2 M2.5x6.5 CHF3.30	
9086-3 M3.5x8 CHF3.30	9088-2 T15 CHF 4.10
9086-4 M3.5x10 CHF3.30	

Bestell-Beispiel: Art.-Nr. 9080 R16 = 9080R1600

9090 R / 9090 L / 9092 R / 9092 L r=rechts l=links



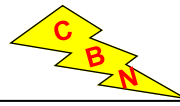
Materialeignung	Alu	Alu Guss > 10% Si	Stahl > 750N	Stahl > 900N	Stahl > 1400N	Stahl > 55 HRC	Stahl > 60 HRC	Hochvergütete Stähle	INOX	TITAN/ Cu	GG (G)	Universal
9093 TIN	○	○	●	●	●	●	○	○	○	●	○	●
9093 ALU	●	●	○	○	○	○	○	○	○	○	○	○
9094 TIALN	○	○	●	●	●	●	○	○	○	○	○	○
9293 CBN	○	○	○	○	○	○	○	○	○	○	○	○



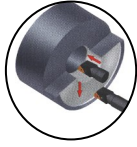
Art.-Nr.	Preis	Art.-Nr.	Preis	Art.-Nr.	Preis	Art.-Nr.	Preis
DCMT11T3...		DCGX11T3...		DCMT11T3...		DCGW...	
9093 R 0.4	7.70	9093AL R 0.4	8.30	9094 R 0.4	8.70	9293 R 0.4	78.00
9093 R 0.8	7.70	9093AL R 0.8	8.30	9094 R 0.8	8.70	9293 R 0.8	78.00
9093 R 1.2	7.70	9093AL R 0.8	8.30	9094 R 1.2	8.70	9293 R 0.8	78.00

Schraube	Unterlage	Zwischen schraube	Schlüssel
9095-1 M3.5x10 CHF 3.30	9096 CHF 3.60	9097 CHF 3.30	9098-1 T15 CHF 4.10
9095-2 M3.5x12 CHF 3.30			9098-2 T15 CHF 4.10
			9098-3 CHF 4.10

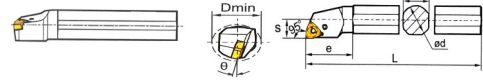
* Mit Kühlbohrung



9170 R / 9170 L r=rechts l=links



Bohrstangen

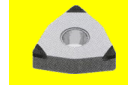


Art. - Nr.		Abmessungen mm							Preis CHF
PWLN R	PWLN L	Dmin	od	h	L	s	o°	e	
9170R 20	9170L 20	20	16	15	150	11	-13°	25	94.-
9170R 25	9170L 25	25	20	18	180	13	-13°	32	115.-
9170R 32	9170L 32	32	25	23	180	17	-13°	45	125.-

Bestell-Beispiel: Art.-Nr. 9170R 20 = Bestell-Nr. 9170r2000

Materialeignung	Alu	Alu Guss > 10% Si	Stahl > 750N	Stahl > 900N	Stahl > 1400N	Stahl > 55 HRC	Stahl > 60 HRC	Hochvergütete Stähle	INOX	TITAN / Cu	GG (G)	Universal
9171 TIN	○	●	●	●	●	○	○	○	○	○	○	●
9172 TIALN	○	●	●	●	●	○	○	○	○	○	○	●
9273 CBN	○	○	○	○	○	○	○	○	○	○	○	○

VHM-Wendeplatten



Bestell-Beispiel: Art.-Nr. 9171 R 0.8 = Bestell-Nr. 9171r0080

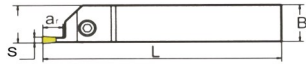
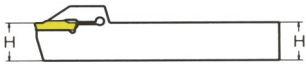
Art.-Nr.	Preis	Art.-Nr.	Preis	Art.-Nr.	Preis
WNMG0...		WNMG0...		WNGA...	
9171 R 0.8	6.70	9172 R 0.8	5.50		
9173 R 0.8	7.00	9175 R 0.4	7.70	9273 R 0.8	118.60
9173 R 1.2	6.70				

Schraube	Schlüssel	Kniehebel
9177-1 M5x12 CHF 3.30	9178-1 H20 CHF 4.10	9179-1 CHF 9.70
9177-2 M6x13.4 CHF 6.90	9178-2 H25 CHF 3.90	9179-2 CHF 9.70

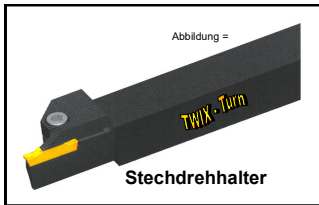
VHM - 2 Schneiden - Stech- und Drehprogramm



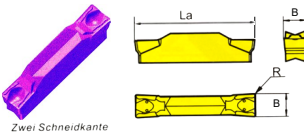
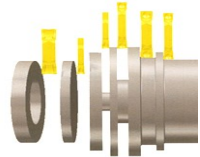
9100 R / 9100 L r=rechts l=links



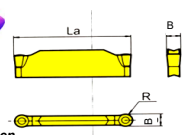
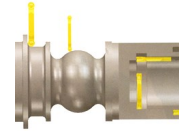
Materialeignung	Alu	Alu Guss > 10% Si	Stahl > 750N	Stahl > 900N	Stahl > 1400N	Stahl > 55 HRC	Stahl > 60 HRC	Hochvergütete Stähle	INOX	TITAN / Cu	GG (G)	Universal
9101 TIN	○	●	●	●	●	○	○	○	○	○	○	●
9103 TIALN	○	●	●	●	●	○	○	○	○	○	○	●



Stechdrehhalter



Zwei Schneidkante



Formdrehen

VHM-Wendeplatten				VHM-Wendeplatten				Schraube & Schlüssel			
Art.-Nr. Halter	H & B	ar max	Preis	Art.-Nr.	WP TiAlN	Preis	Art.-Nr.		WP B TiAlN	WP R TiAlN	Preis
9100R1620	16 x 16	17	154.40	9103 2.0	2.0	22.10					Schraube / Artikel 9106-1 M5 x 20 mm CHF 3.90
9100R1622	16 x 16	17	154.40	9103 2.2	2.2	22.10					
9100R1624	16 x 16	17	15.40	9103 2.4	2.4	22.10					
9100R1625	16 x 16	17	122.90	9103 2.5	2.5	16.80	9104 2.5	2.5	1.25	16.80	Schlüssel / Artikel 9108-1 CHF 2.80
9100R2025	20 x 20	17	164.90	9103 2.5	2.5	22.10					
9100R2026	20 x 20	17	164.90	9103 2.6	2.6	24.20					
9100R2028	20 x 20	17	164.90	9103 2.8	2.8	24.20					
9100R2030	20 x 20	17	133.40	9103 3.0	3.0	18.90	9104 3.0	3.0	1.5	18.90	
9100R2535	25 x 25	22	174.30	9103 3.5	3.5	27.30					Schraube / Artikel 9106-2 M6 x 20 mm CHF 3.90
9100R2538	25 x 25	22	174.30	9103 3.8	3.8	27.30					
9100R2540	25 x 25	22	142.80	9103 4.0	4.0	20.00	9104 4.0	4.0	2.0	20.00	
9100R2545	25 x 25	22	174.30	9103 4.5	4.5	26.30					Schlüssel / Artikel 9108-2 CHF 2.80
9100R2548	25 x 25	22	174.30	9103 4.8	4.8	26.30					
9100R2550	25 x 25	22	142.80	9103 5.0	5.0	21.00	9104 5.0	5.0	2.5	21.00	
9100R2555	25 x 25	22	186.90	9103 5.5	5.5	27.30					
9100R2558	25 x 25	22	186.90	9103 5.8	5.8	27.30					
9100R2560	25 x 25	22	155.40	9103 6.0	6.0	22.10	9104 6.0	6.0	3.0	22.10	

Zwischenmasse Halter + CHF 30.00
Zwischenmasse Wendeplatten + CHF 5.00

Stechschwert zur Aussenbearbeitung

Stechschwert zur Aussenbearbeitung QE*S**N-1




Art.-Nr.	Abmessung in mm						WSP	Preis in CHF
	H	L	h	B	W	Ø max.		
QEES26N	26	110	19	2	2.5	60	ZPES**	51.40
QEES32N	32	150	24.6	2	2.5	100	ZPES**	60.70
QEFS26N	26	110	19	2.4	3	60	ZPFS**	51.40
QEFS32N	32	150	24.6	2.4	3	100	ZPFS**	60.70
QEGS26N	26	110	19	3.2	4	70	ZPGS**	51.40
QEGS32N	32	150	24.6	3.2	4	120	ZPGS**	60.70

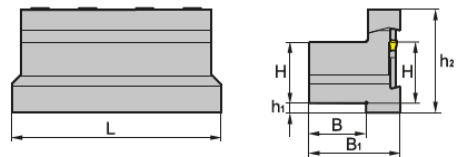
Art.-Nr.	Abmessung in mm						WSP	Preis in CHF
	H	L	h	B	W	Ø max.		
QEES26N-1	26	110	19	2	2.5	60	ZPES**	91.80
QEES32N-1	32	150	24.6	2	2.5	100	ZPES**	91.80
QEFS26N-1	26	110	19	2.4	3	60	ZPFS**	91.80
QEFS32N-1	32	150	24.6	2.4	3	100	ZPFS**	91.80
QEGS26N-1	26	110	19	3.2	4	70	ZPGS**	91.80
QEGS32N-1	32	150	24.6	3.2	4	120	ZPGS**	91.80

das Schwert ** N-1 ist kompatibel zu allen Spannblöcken vom Wettbewerb, aber nicht zum Spannblock in unseren Katalog

Spannblock aussen

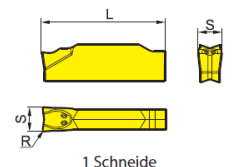
Art.-Nr.	Abmessung in mm							Preis in CHF
	H	L	h ₁	h ₂	B	B ₁	WSP	
QZS2026	20	86	10	46.6	19	38	QE**26	136.50
QZS2526	25	86	5	46.6	23	42	QE**26**	136.50
QZS3226	32	86	3	51.6	30	48	QE**26	149.10
QZS2032	20	110	13	50	19	38	QE**32	149.10
QZS2532	25	110	8	50	23	42	QE**32	149.10
QZS3232	32	110	5	54	30	48	QE**32	149.10

Ersatzteile			
	WSP	QE**26	QE**32
	H	20-32	20-32
	Pratze	QZC26	QZC32
	Schlüssel	W50RL	W50RL
	Schraube	GB70-85-M6x20	GB70-85-M6x20



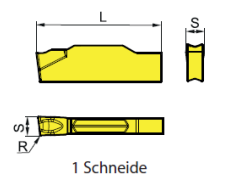
WSP zum Ein- und Abstechen:

Art.-Nr.	HM	S±0.10	R±0.1	f	Preis in CHF
ZPES02502-MG	YBG302	2.5	0.2	0.03-0.1	11.60
ZPFS0302-MG	YBG302	3.0	0.2	0.04-0.13	13.70
ZPGS0402-MG	YBG302	4.0	0.2	0.07-0.18	14.70



WSP zum Abstechen:

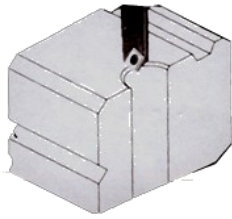
Art.-Nr.	HM	S±0.10	R±0.1	f	Preis in CHF
ZPES02502-MG-6L	YB9320	2.5	0.2	0.02-0.08	12.30
ZEPS02502-MG-6R	YB9320	2.5	0.2	0.03-0.08	12.30
ZPFS0302-MG-6L	YB9320	3.0	0.2	0.04-0.1	14.30
ZPFS0302-MG-6R	YB9320	3.0	0.2	0.04-0.1	14.30



Prismenfräser 45° + Senker

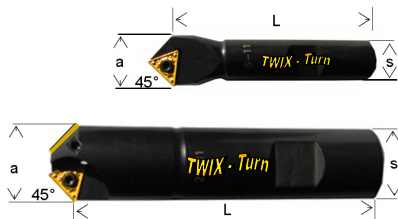
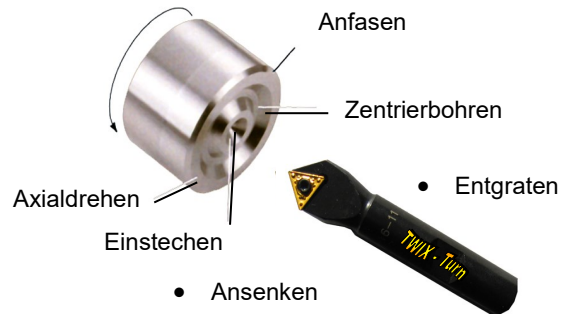
TWIX - Turn + Nuten- u. Fasenfräser

8 Arbeitsgänge - 1 Werkzeug



Das universelle Werkzeug mit 3-VHM-Schneiden.
Hohe Effizienz, niedriger Preis.

Für die Bearbeitung sämtlicher Materialien.
CNC-Drehmaschinen und Bearbeitungszentren.



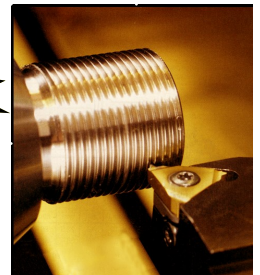
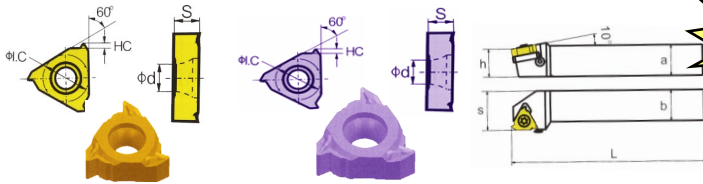
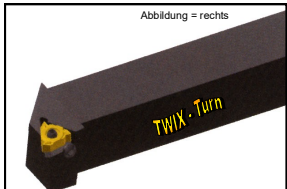
Bestell-Beispiel: Art.-Nr. 9130 Ø16 = Bestell-Nr. 91301600

Art. - Nr. Klemmdrehhalter	Abmessungen mm				Preis CHF	Wendepplatten TIN	Preis CHF	Wendepplatten TIALN	Preis CHF	Schraube	Schlüssel
	a	s	L	45°							
9130 16	Ø 16	16	12	70	45°	77.70		13.10		14.20	Art.-Nr. 9136 CHF 5.50 Art.-Nr. 9138 CHF 6.80
9130 21	Ø 21	21	20	90	45°	100.80					

Bestell-Beispiel: Art.-Nr. 9132 R 0.4 = Bestell-Nr. 9132R040

VHM - Wendepplatten Gewinde-Drehen

9140R / 9140L R=rechts L=links

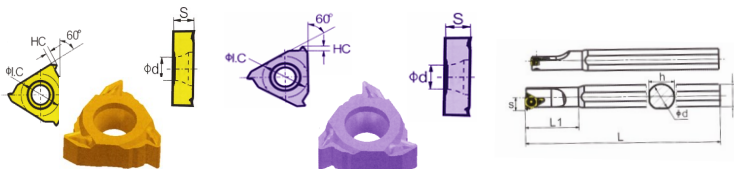


Bestell-Beispiel: Art.-Nr. 9140 R16 = Bestell-Nr. 9140R1600

Bestell-Beispiel: Art.-Nr. 9141 R1,25 = Bestell-Nr. 9141R125

Art. - Nr. Klemmdrehhalter		Abmessungen mm					Preis CHF	Wendepplatten TIN		Preis CHF	Wendepplatten TIALN		Preis CHF	Schraube	Unterlage	Zwischenschraube	Schlüssel
a	h	b	L	s	Rechts	Links		Rechts	Links								
9140R 16	9140L 16	16	16	16	100	20	50.40										
9140R 20	9140L 20	20	20	20	125	25	54.60										
9140R 25	9140L 25	25	25	25	150	32	59.90	9141R1,25 9141R1,50 9141R1,75 9141R2,00 9141R2,50 9141R3,00	9143L1,25 9143L1,50 9143L1,75 9143L2,00 9143L2,50 9143L3,00	16.30 16.30 16.30 16.30 16.30 16.30	9142R1,25 9142R1,50 9142R1,75 9142R2,00 9142R2,50 9142R3,00	9144L1,25 9144L1,50 9144L1,75 9144L2,00 9144L2,50 9144L3,00	16.80 16.80 16.80 16.80 16.80 16.80	Art.-Nr. 9146 M3,5 CHF 3.40	Art.-Nr. 9147 CHF 3.60	Art.-Nr. 9148 M4 CHF 3.40	Art.-Nr. 9149-1 T15 CHF 4.30 Art.-Nr. 9149-2 CHF 2.90
9140R 32	9140L 32	32	25	32	170	32	65.10										

9150R / 9150L R=rechts L=links

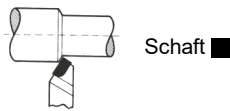


Art. - Nr. Klemmbohrstangen		Abmessungen mm							Preis CHF	Wendepplatten TIN		Preis CHF	Wendepplatten TIALN		Preis CHF	Schraube	Schlüssel
a	h	B	Dmin	s	h	L1	Rechts	Links		Rechts	Links						
9150R 16		16	150	15	20	12	15.5	40	59.90								
9150R 20		20	180	18	25	14	19.0	45	65.10								
9150L 16		16	150	15	20	12	15.5	40	59.90	9151R1,25 9151R1,50 9151R1,75 9151R2,00 9151R2,50 9151R3,00	9153L1,25 9153L1,50 9153L1,75 9153L2,00 9153L2,50 9153L3,00	16.30 16.30 16.30 16.30 16.30 16.30	9152R1,25 9152R1,50 9152R1,75 9152R2,00 9152R2,50 9152R3,00	9154L1,25 9154L1,50 9154L1,75 9154L2,00 9154L2,50 9154L3,00	18.40 18.40 18.40 18.40 18.40 18.40	Art.-Nr. 9156 M3,5 CHF 3.40	Art.-Nr. 9158 T15 CHF 4.30
9150L 20		20	180	18	25	14	19.0	45	65.10								

HM - DREHSTÄHLE / Auslaufartikel



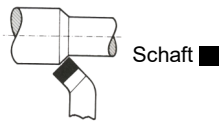
HM - Drehstahl rechts



Bestell-Nr.
9210... ..1200 ..1600 ..2000 ..2500

Art.- Nr. 9210	12	16	20	25
Preis CHF	8.40	9.50	11.60	15.80

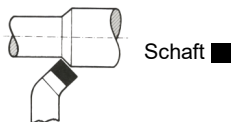
HM - Drehstahl rechts



Bestell-Nr.
9212... ..1200 ..1600 ..2000 ..2500

Art.- Nr. 9212	12	16	20	25
Preis CHF	8.40	9.50	11.60	15.80

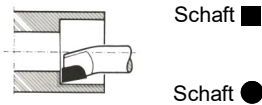
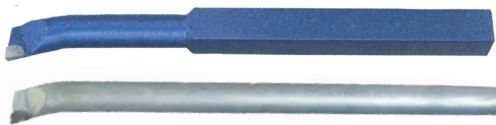
HM - Drehstahl links



Bestell-Nr.
9214... ..1200 ..1600 ..2000 ..2500

Art.- Nr. 9214	12	16	20	25
Preis CHF	8.40	9.50	11.60	15.80

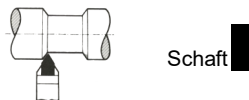
HM - Innen - Eckdrehstahl rechts



Bestell-Nr.
9216... ..1000 ..1200 ..1600 ..2000

Art.- Nr. 9216	10	12	16	20
Preis CHF	9.50	9.50	11.60	14.70

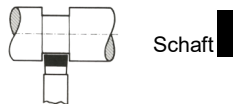
HM - Drehstahl spitz



Bestell-Nr.
9218... ..1600 ..2000 ..2500

Art.- Nr. 9218	16	20	25
Preis CHF	8.40	9.50	11.60

HM- Drehstahl



Bestell-Nr.
9220... ..1000 ..1200 ..1600 ..2000

Art.- Nr. 9220	10	12	16	20
Preis CHF	8.40	9.50	11.60	14.70

HSSE - Co10 DREHLINGE / Auslaufartikel

Präzisions - Drehling



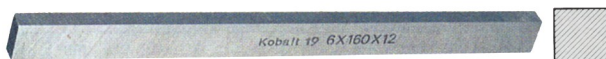
Bestell-Nr.
9225... ..0400100 ..0500100 ..0600100 ..0800100 ..1000100

Art.- Nr. 9225	Ø x Länge mm	4 x 100	5 x 100	6 x 100	8 x 100	10 x 100
	Preis CHF	4.20	7.40	7.40	9.50	13.70

Bestell-Nr.
9225... ..1200100 ..1400160 ..1600200 ..1800200 ..2000200

Art.- Nr. 9225	Ø x Länge mm	12 x 100	14 x 160	16 x 200	18 x 200	20 x 200
	Preis CHF	20.00	36.80	55.70	71.40	81.90

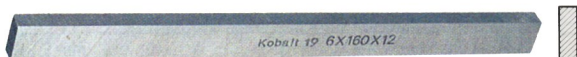
HSSE - Vierkant - Drehling



Bestell-Nr.
9230... ..0600100 ..0800100 ..1000100 ..1200100 ..1600200

Art.- Nr. 9230	Ø x Länge mm	6 x 100	8 x 100	10 x 100	12 x 100	16 x 200
	Preis CHF	8.40	11.60	15.80	24.20	71.40

HSSE - Rechteck - Drehling



Bestell-Nr.
9235... ..08000400100 ..10000600100 ..16000400100

Art.- Nr. 9235	Höhe x Länge x Breite mm	8 x 4 x 100	10 x 6 x 100	16 x 4 x 100
	Preis CHF	13.70	16.80	18.90

HSSE - Trapez - Drehling



Bestell-Nr.
9240... ..12000300100 ..16000400100 ..20000500160

Art.- Nr. 9240	Höhe x Länge x Breite mm	12 x 3 x 100	16 x 4 x 100	20 x 5 x 160
	Preis CHF	14.70	26.30	41.00