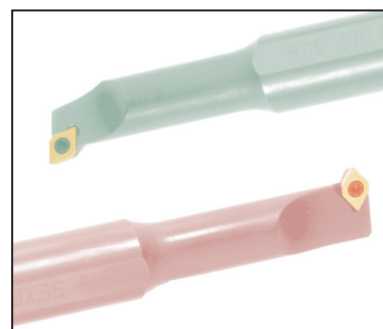
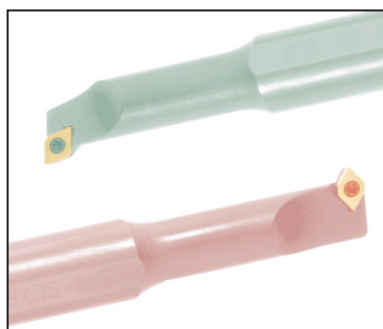
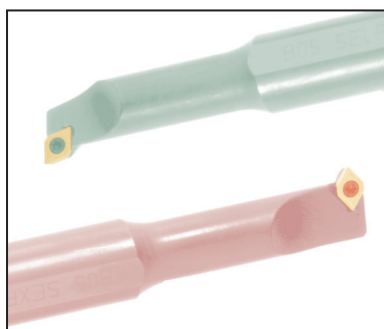


Mini boring bars

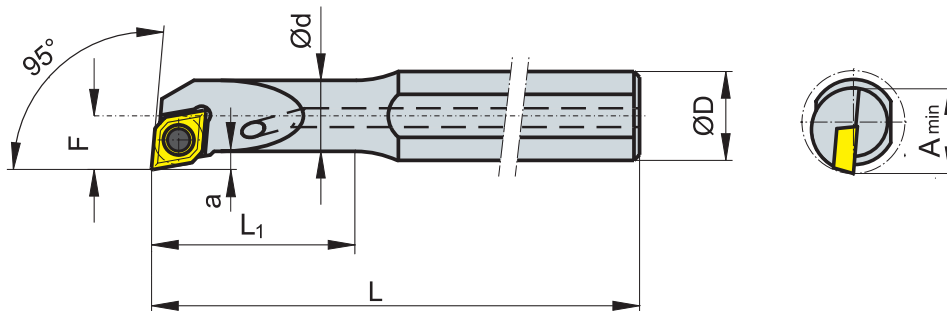


Mini boring tools

Mini boring bars B05 SELPR/L 95° with steel shaft.....	02B-3
Mini boring bars B05 SEXPR/L 37°30' with steel shaft.....	02B-4
Mini boring bars B05 SELPR/L 95° with solid carbide shaft.....	02B-5
Mini boring bars B05 SEXPR/L 37°30' with solid carbide shaft.....	02B-6
Indexable inserts EP	02B-7
Mini boring bars B80 with steel shaft.....	02B-8
Mini boring bar B80 with solid carbide shaft.....	02B-9
Mini inserts W80	02B-10
Internal boring bars SC	02B-11
Mini boring bars for copying SVU	02B-11
Mini boring bars for copying SVU	02B-12
Internal boring bars MW	02B-12
ISO code boring bars	02B-13
Overview of ISO boring bars	02B-14

Other versions and dimensions upon request.
We reserve the right to make technical modifications.
All prices are net in EURO + VAT (value added tax).

Mini boring bars B05 SELPR/L 95° with steel shaft



R = right-hand boring bar / L = mirror image

Product group 02J

Order no. 95° with steel shaft	Dimensions in mm							Dis	EUR €/ piece
	A	D	d	L	F	L ₁	a		
B05 SELPL 0608 IK	8	8	6	100	4.5	20	1.3	★	
B05 SELPL 0810 IK	11	10	8	110	6.0	26	1.8	★	
B05 SELPL 1012 IK	13	12	10	125	7.0	32	1.8	★	
B05 SELPL 1216 IK	16	16	12	150	9.0	40	2.8	★	
B05 SELPR 0608 IK	8	8	6	100	4.5	20	1.3	★	
B05 SELPR 0810 IK	11	10	8	110	6.0	26	1.8	★	
B05 SELPR 1012 IK	13	12	10	125	7.0	32	1.8	★	
B05 SELPR 1216 IK	16	16	12	150	9.0	40	2.8	★	

For compatible inserts EP ... see page 02B-7.

Product group 21

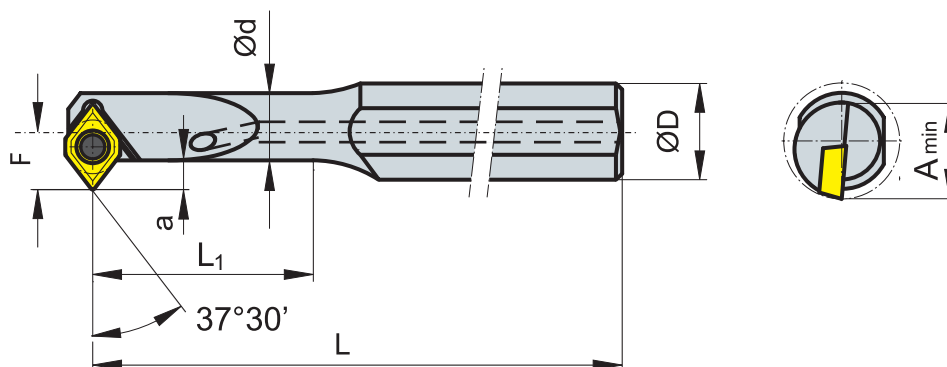
Spare parts	Screw	€/ piece	Screwdriver	€/ piece
	SCHT 07 M2,2x04		SDTG 07	

★ = ex stock

☆ = short lead time

☐ = upon request

Mini boring bars B05 SEXPR/L 37°30' with steel shaft



R = right-hand boring bar / L = mirror image

Product group 02J

Order no. 37° 30' with steel shaft	Dimensions in mm							Dis	EUR € / piece
	A	D	d	L	F	L ₁	a		
B05 SEXPL 0608 IK	9.5	8	6	100	5.5	20	3.3	★	
B05 SEXPL 0810 IK	11.0	10	7	110	6.0	26	2.8	★	
B05 SEXPL 1012 IK	13.0	12	8.5	125	7.0	32	3.3	★	
B05 SEXPL 1216 IK	16.0	16	12	150	9.0	40	2.8	★	
B05 SEXPR 0608 IK	9.5	8	6	100	5.5	20	3.3	★	
B05 SEXPR 0810 IK	11.0	10	7	110	6.0	26	2.8	★	
B05 SEXPR 1012 IK	13.0	12	8.5	125	7.0	32	3.3	★	
B05 SEXPR 1216 IK	16.0	16	12	150	9.0	40	2.8	★	

For compatible inserts EP ... see page 02B-7.

Product group 21

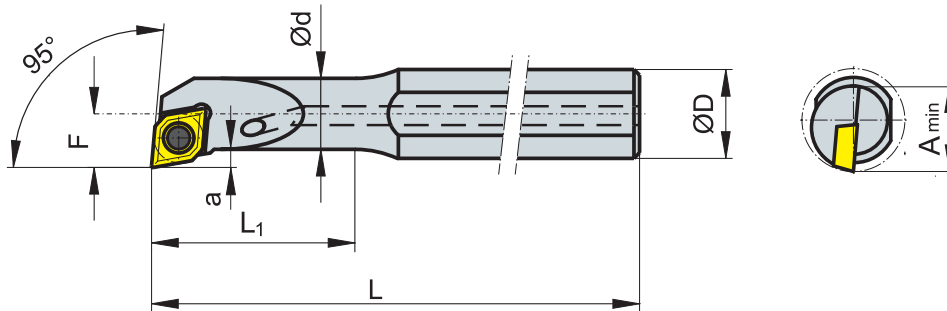
Spare parts	Screw	€/ piece	Screwdriver	€/ piece
	SCHT 07 M2,2x04		SDTG 07	

★ = ex stock

☆ = short lead time

☐ = upon request

Mini boring bars B05 SELPR/L 95° with solid carbide shaft



R = right-hand boring bar / L = mirror image

Product group 02J

Order no. 95° with solid carbide shaft	Dimensions in mm							Dis	Price €/ piece
	A	D	d	L	F	L ₁	a		
B05 SELPL 0608 HM IK	8	8	6	100	4.5	28	1.3	★	
B05 SELPL 0810 HM IK	11	10	8	110	6.0	36	1.8	★	
B05 SELPL 1012 HM IK	13	12	10	125	7.0	44	1.8	★	
B05 SELPL 1216 HM IK	16	16	12	150	9.0	55	2.8	★	
B05 SELPR 0608 HM IK	8	8	6	100	4.5	28	1.3	★	
B05 SELPR 0810 HM IK	11	10	8	110	6.0	36	1.8	★	
B05 SELPR 1012 HM IK	13	12	10	125	7.0	44	1.8	★	
B05 SELPR 1216 HM IK	16	16	12	150	9.0	55	2.8	★	

For compatible inserts EP ... see page 02B-7.

Product group 21

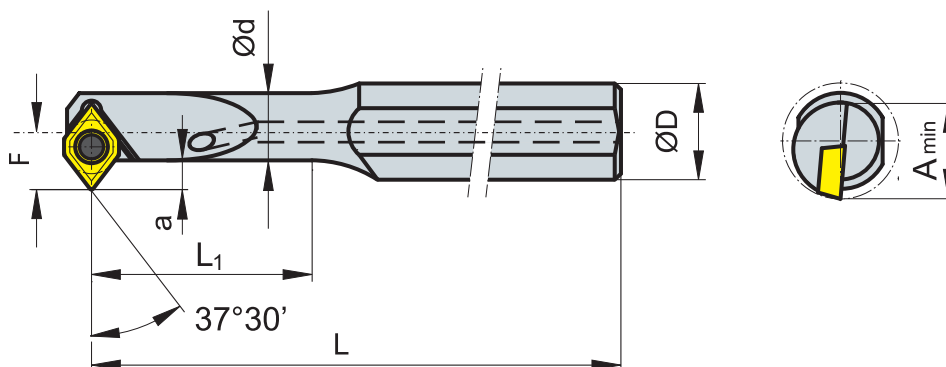
Spare parts	Screw	€/ piece	Screwdriver	€/ piece
	SCHT 07 M2,2x04		SDTG 07	

★ = ex stock

☆ = short lead time

☐ = upon request

Mini boring bars B05 SEXPR/L 37°30' with solid carbide shaft



R = right-hand boring bar / L = mirror image

Product group 02J

Order no. 37° 30' with solid carbide shaft	Dimensions in mm							Dis	Price €/ piece
	A	D	d	L	F	L ₁	a		
B05 SEXPL 0608 HM IK	9.5	8	6	100	5.5	28	3.3	★	
B05 SEXPL 0810 HM IK	11.0	10	7	110	6.0	36	2.8	★	
B05 SEXPL 1012 HM IK	13.0	12	8.5	125	7.0	44	3.3	★	
B05 SEXPL 1216 HM IK	16.0	16	12	150	9.0	55	2.8	★	
B05 SEXPR 0608 HM IK	9.5	8	6	100	5.5	28	3.3	★	
B05 SEXPR 0810 HM IK	11.0	10	7	110	6.0	36	2.8	★	
B05 SEXPR 1012 HM IK	13.0	12	8.5	125	7.0	44	3.3	★	
B05 SEXPR 1216 HM IK	16.0	16	12	150	9.0	55	2.8	★	

For compatible inserts EP ... see page 02B-7.

Product group 21

Spare parts	Screw	€/ piece	Screwdriver	€/ piece
	SCHT 07 M2,2x04		SDTG 07	

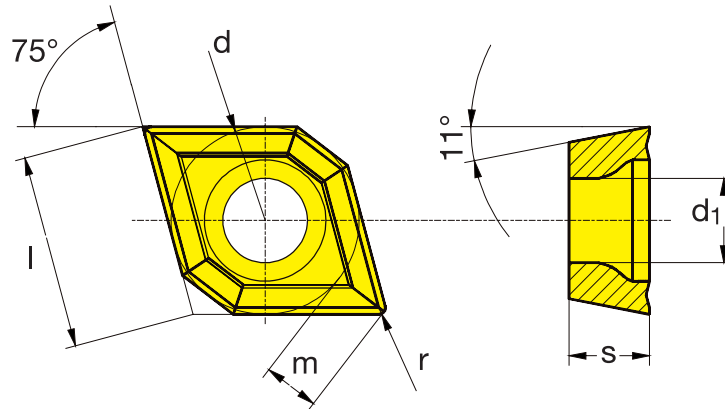
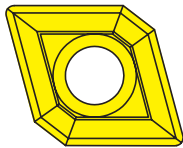
★ = ex stock

☆ = short lead time

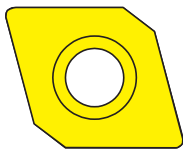
☐ = upon request

Indexable inserts EP ...

EPMT



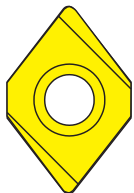
EPMW



Product group 02K

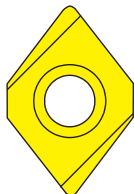
Dimensions EP ...					
l	d	s	d ₁	m	r
5.7	5.56	2.38	2.5	1.658	0.2

EPMX-L



Order no.	uncoated		Price €/ piece	coated			Price €/ piece	Cermet		Price €/ piece
	K10	P20		S415	S425	J310		C210	C220	
EPGT 050202 R								★		
EPMT 050202 B2 Y	★			★	★					
EPGT 050204-22						★		☆		
EPMW 050202	★									
EPMX 050202 L	★									
EPMX 050202 R	★									

EPMX-R



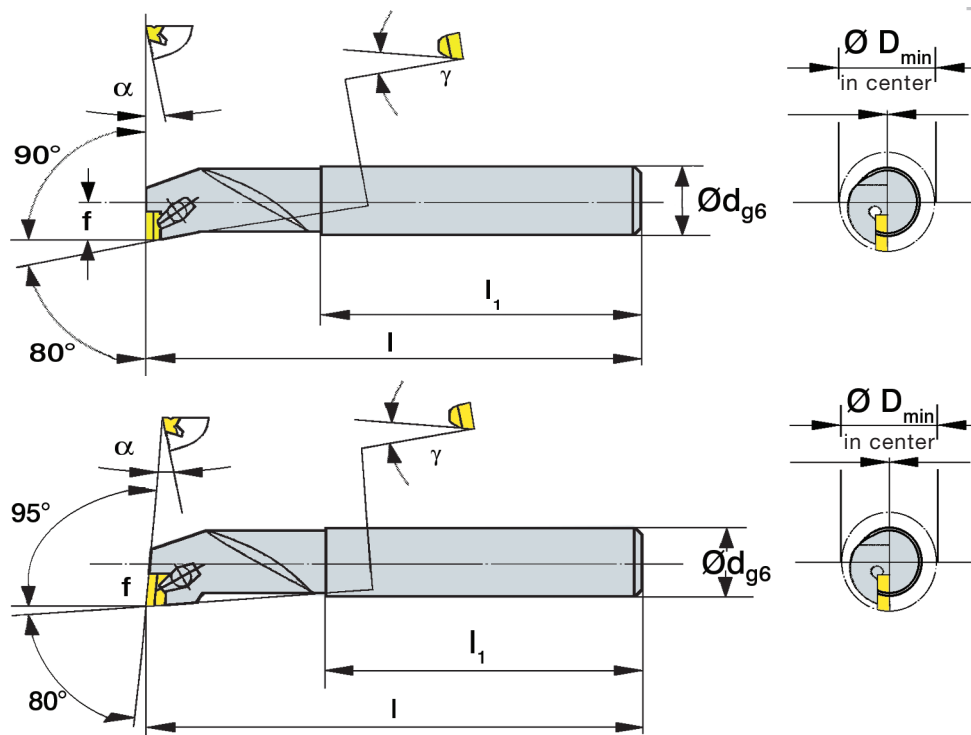
Mini boring bars B05 ... see page 02B-3 up to 02B-6.

★ = ex stock

☆ = short lead time

□ = upon request

Mini boring bars B80 with steel shaft



Product group 02N

Order no.		Dimensions in mm								Dis	Price 90° €/ piece	Dis	Price 95° €/ piece
90°	95°	D _{min}	d _{g6}	f	l	l ₁	α	γ					
B 8003-0690 L/R	-0695 L/R	6	6	3.25	60	44	11°	15°	★		☆		
B 8005-0690 L/R	-0695 L/R	8	6	4.50	60	44	11°	15°	☆		☆		
B 8005-0890 L/R	-0895 L/R	10	8	5.50	80	60	11°	15°	☆		☆		
B 8005-1090 L/R	-1095 L/R	12	10	6.50	100	76	11°	15°	☆		☆		
B 8008-1290 L/R	-1295 L/R	15	12	8.50	125	95	11°	15°	☆		☆		
B 8008-1690 L/R	-1695 L/R	20	16	11.00	150	110	11°	15°	☆		☆		
B 8008-2090 L/R	-2095 L/R	25	20	12.50	180	130	11°	15°	☆		☆		

For compatible inserts W 80 ... see page 02B-10.

Product group 21

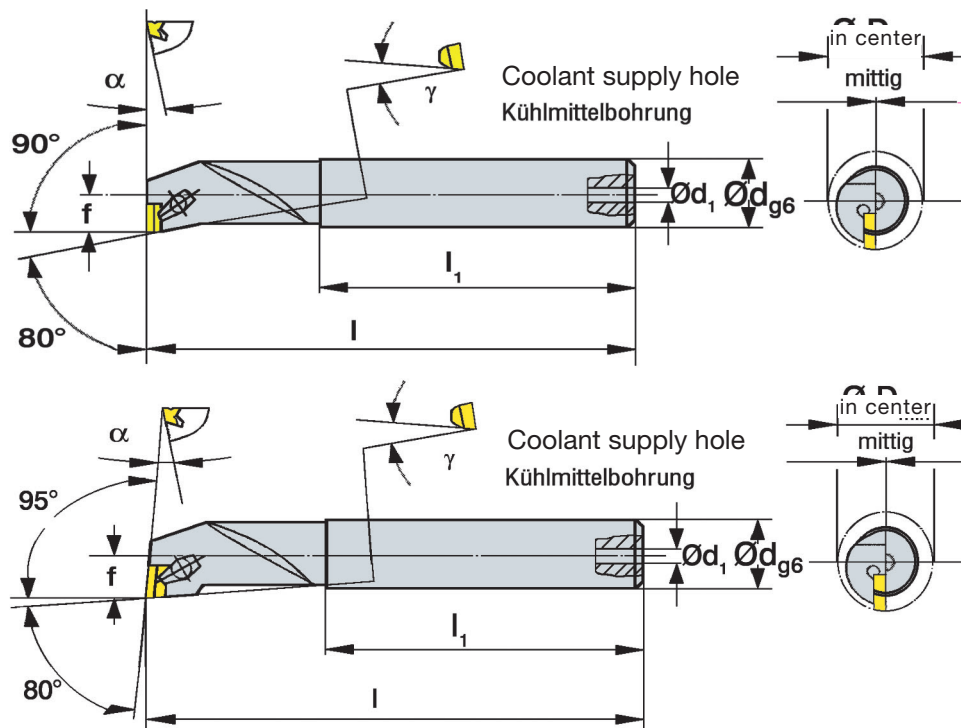
Spare parts	Clamping element	€/ piece	Screwdriver	€/ piece
B8003 ...	PRE 8003		SDTG 06	
B8005 ...	PRE 8005		SDTG 08	
B8008 ...	PRE 8008		SDTG 08	

★ = ex stock

☆ = short lead time

☐ = upon request

Mini boring bar B80 with solid carbide shaft and coolant supply



Product group 02N

Order no.		Dimensions in mm							Dis	Price 90° €/ piece	Dis	Price 95° €/ piece
90°	95°	D _{min}	d _{g6}	f	l	l ₁	α	γ				
B 8003-0690 HK L/R	-0695 HK L/R	6	6	3.25	100	70	11°	15°	☆		☆	
B 8005-0690 HK L/R	-0695 HK L/R	8	6	4.50	100	84	11°	15°	☆		☆	
B 8005-0890 HK L/R	-0895 HK L/R	10	8	5.50	125	105	11°	15°	☆		☆	
B 8005-1090 HK L/R	-1095 HK L/R	12	10	6.50	150	126	11°	15°	☆		☆	
B 8008-1290 HK L/R	-1295 HK L/R	15	12	8.50	180	150	11°	15°	☆		☆	

For compatible inserts W 80 ... see page 02B-10.

Product group 21

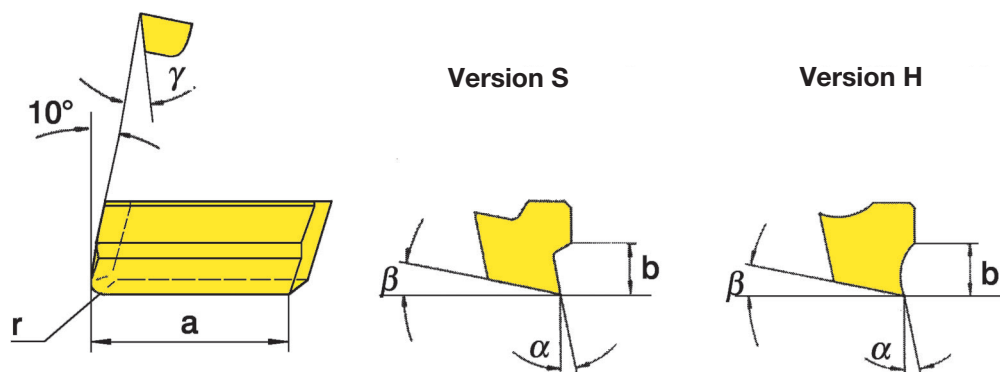
Spare parts	Clamping element	€/ piece	Screwdriver	€/ piece
B8003 ...	PRE 8003		SDTG 06	
B8005 ...	PRE 8005		SDTG 08	
B8008 ...	PRE 8008		SDTG 08	

★ = ex stock

☆ = short lead time

☐ = upon request

Mini inserts W80 ...



Product group 02B

Order no.	Ver.		Dimensions in mm						uncoated		Price €/ piece	coated		Price €/ piece
	S	H	a	r	b	α	β	γ	K10	P10		S540	S656	
W 8003 0014 L/R	★	☐	3.5	0.05	1.4	10°	11°	15°	☆			☆	☆	
W 8003 0214 L/R	★	☐	3.5	0.20	1.4	10°	11°	15°	☆	☆		☆	☆	
W 8005 0012 L/R	★	☐	5.0	0.05	1.2	10°	11°	15°	☆	☆		☆	☆	
W 8005 0212 L/R	★	☐	5.0	0.20	1.2	10°	11°	15°	☆	☆		☆	☆	
W 8005 0416 L/R	★	☐	5.0	0.40	1.6	10°	11°	15°	★	☆		☆	☆	
W 8008 0218 L/R	★	☐	8.0	0.20	1.8	10°	11°	15°	☆	☆		☆	☆	
W 8008 0422 L/R	★	☐	8.0	0.40	2.2	10°	11°	15°	☆	☆		☆	☆	

For left-handed boring bars, right-handed inserts are compatible and vice versa.

Other geometries upon request.

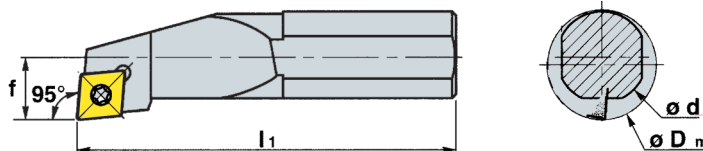
Boring bars B80 ... see page 02B-8 up to 02B-9.

★ = ex stock

☆ = short lead time

☐ = upon request

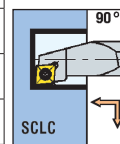
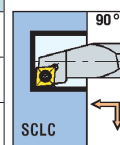
Internal boring bars SC ...



Product group 05A

Order no.				Dimensions in mm			Indexable seat	Phillips screw	Screw-driver	Shaft type	Dis			Price €/ piece	
*	Ø	l ₁		d	D _{min}	f					L	N	R		
A	08	H	SCLCR /L	06	08	10	5	CC ...06	SCHT08 M2.5 x 05	SDTG08	S Steel; one piece	★		★	
A	10	K	SCLCR /L	06	10	12	6					★		★	
A	12	M	SCLCR /L	08	12	16	9	CC ...06	SCHT08 M2.5 x 05	SDTG08	S Steel; one piece	★		★	
A	16	R	SCLR /L	08	16	20	11					★		★	

For compatible inserts - see product Info 05 ISO turning indexable inserts.



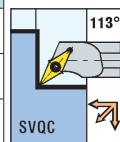
Mini boring bars for copying SVU ...



Product group 05A

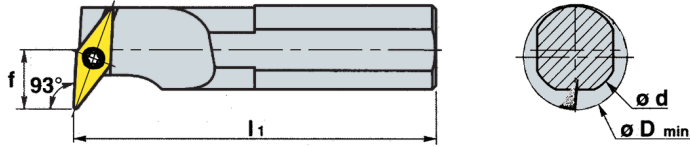
Order no.				Dimensions in mm			Indexable seat	Phillips screw	Screw-driver	Shaft type	Dis			Price €/ piece	
*	Ø	l ₁		d	D _{min}	f					L	N	R		
A	16	R	SVQCR /L	13	16	21	11	VC ...13	SCHT08 M3 x 06	SDTG09	S Steel; one piece	☆		☆	
A	20	S	SVQCR /L	13	20	25	13					☆		☆	

For compatible inserts - see product Info 05 ISO turning indexable inserts.



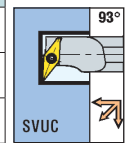
l ₁ ISO code length	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	U	V	W	X
l ₁ length in mm	70	80	90	100	110	125	140	150	160	170	180	200	250	300	350	400	450	Special

Mini boring bars for copying SVU ...



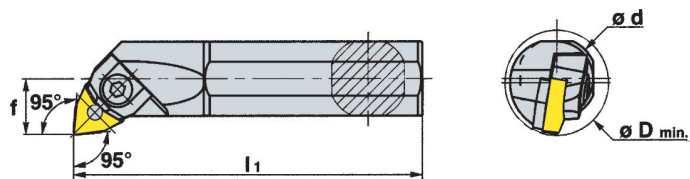
Product group 05A

Order no.				Dimensions in mm			Indexable seat	Phillips screw	Screw-driver	Shaft type	Dis			Price € / piece
*	Ø	l ₁		d	D _{min}	f					L	N	R	
A	20	S	SVUCR /L 13	20	25	13	VC ...13	SCHT08 M3 x 06	SDTG09	S Steel; one piece	★		★	



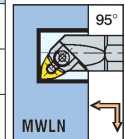
For compatible inserts - see product Info 05 ISO turning indexable inserts.

Internal boring bars MW ...



Product group 05A

Order no.				Dimensions in mm			Indexable seat	Clamping element	Shim seat	Centering pin	Dis			Price € / piece
*	Ø	l ₁		d	D _{min}	f					L	N	R	
A	25	T	MWLNR /L 08	25	32	17	WNM ...08	PRE WN ...08	U WN ... 08	ZS WN ... 08	<input type="checkbox"/>		<input type="checkbox"/>	
S	32	U	MWLNR /L 08	32	40	22					<input type="checkbox"/>		<input type="checkbox"/>	
S	40	V	MWLNR /L 08	40	47	27					<input type="checkbox"/>		<input type="checkbox"/>	
S	50	W	MWLNR /L 08	50	67	35					<input type="checkbox"/>		<input type="checkbox"/>	



For compatible inserts - see product Info 05 ISO turning indexable inserts.

★ = ex stock

☆ = short lead time

= upon request

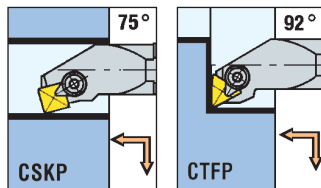
l ₁ ISO code length	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	U	V	W	X
l ₁ length in mm	70	80	90	100	110	125	140	150	160	170	180	200	250	300	350	400	450	Special

ISO code boring bars

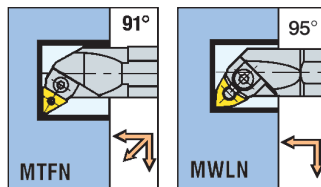
S	Single piece, steel		3 = Tool holder length <table border="1"> <tr><td>F</td><td>80</td></tr> <tr><td>G</td><td>90</td></tr> <tr><td>H</td><td>100</td></tr> <tr><td>J</td><td>110</td></tr> <tr><td>K</td><td>125</td></tr> <tr><td>L</td><td>140</td></tr> <tr><td>M</td><td>150</td></tr> <tr><td>N</td><td>160</td></tr> <tr><td>P</td><td>170</td></tr> <tr><td>Q</td><td>180</td></tr> <tr><td>R</td><td>200</td></tr> <tr><td>S</td><td>250</td></tr> <tr><td>T</td><td>300</td></tr> <tr><td>U</td><td>350</td></tr> <tr><td>V</td><td>400</td></tr> <tr><td>W</td><td>450</td></tr> <tr><td>Y</td><td>500</td></tr> <tr><td>X</td><td>spez.</td></tr> </table>	F	80	G	90	H	100	J	110	K	125	L	140	M	150	N	160	P	170	Q	180	R	200	S	250	T	300	U	350	V	400	W	450	Y	500	X	spez.
F	80																																						
G	90																																						
H	100																																						
J	110																																						
K	125																																						
L	140																																						
M	150																																						
N	160																																						
P	170																																						
Q	180																																						
R	200																																						
S	250																																						
T	300																																						
U	350																																						
V	400																																						
W	450																																						
Y	500																																						
X	spez.																																						
A	Single piece, steel, with internal cooling																																						
B	Single piece, steel, vibration-damped																																						
D	Single piece, steel, vibration-damped, with internal cooling																																						
C	Carbide body with steel head, with internal cooling																																						
E	Carbide body with steel head, vibration-damped																																						
F	Carbide body with steel head, vibration-damped, with internal cooling																																						
G	Carbide body with steel head																																						
H	Single piece, heavy metal																																						
J	Single piece, heavy metal and internal cooling																																						
1	1 = Tool holder type	2 = Shaft diameter <p>If result is a single digit, then a 0 is placed in front.</p>																																					
S	Single piece, steel																																						
A	Single piece, steel, with internal cooling																																						
B	Single piece, steel, vibration-damped																																						
D	Single piece, steel, vibration-damped, with internal cooling																																						
C	Carbide body with steel head, with internal cooling																																						
E	Carbide body with steel head, vibration-damped																																						
F	Carbide body with steel head, vibration-damped, with internal cooling																																						
G	Carbide body with steel head																																						
H	Single piece, heavy metal																																						
J	Single piece, heavy metal and internal cooling																																						
25	2 = Shaft diameter	4 = Clamping system 																																					
S	Single piece, steel																																						
A	Single piece, steel, with internal cooling																																						
B	Single piece, steel, vibration-damped																																						
D	Single piece, steel, vibration-damped, with internal cooling																																						
C	Carbide body with steel head, with internal cooling																																						
E	Carbide body with steel head, vibration-damped																																						
F	Carbide body with steel head, vibration-damped, with internal cooling																																						
G	Carbide body with steel head																																						
H	Single piece, heavy metal																																						
J	Single piece, heavy metal and internal cooling																																						
P	4 = Clamping system	6 = Direction angle 																																					
S	Single piece, steel																																						
A	Single piece, steel, with internal cooling																																						
B	Single piece, steel, vibration-damped																																						
D	Single piece, steel, vibration-damped, with internal cooling																																						
C	Carbide body with steel head, with internal cooling																																						
E	Carbide body with steel head, vibration-damped																																						
F	Carbide body with steel head, vibration-damped, with internal cooling																																						
G	Carbide body with steel head																																						
H	Single piece, heavy metal																																						
J	Single piece, heavy metal and internal cooling																																						
C	6 = Direction angle	9 = Cutting edge length <p>If result is a single digit, then a 0 is placed in front.</p>																																					
S	Single piece, steel																																						
A	Single piece, steel, with internal cooling																																						
B	Single piece, steel, vibration-damped																																						
D	Single piece, steel, vibration-damped, with internal cooling																																						
C	Carbide body with steel head, with internal cooling																																						
E	Carbide body with steel head, vibration-damped																																						
F	Carbide body with steel head, vibration-damped, with internal cooling																																						
G	Carbide body with steel head																																						
H	Single piece, heavy metal																																						
J	Single piece, heavy metal and internal cooling																																						
L	9 = Cutting edge length	7 = Insert clearance angle 																																					
S	Single piece, steel																																						
A	Single piece, steel, with internal cooling																																						
B	Single piece, steel, vibration-damped																																						
D	Single piece, steel, vibration-damped, with internal cooling																																						
C	Carbide body with steel head, with internal cooling																																						
E	Carbide body with steel head, vibration-damped																																						
F	Carbide body with steel head, vibration-damped, with internal cooling																																						
G	Carbide body with steel head																																						
H	Single piece, heavy metal																																						
J	Single piece, heavy metal and internal cooling																																						
R	7 = Insert clearance angle	8 = Feed direction 																																					
S	Single piece, steel																																						
A	Single piece, steel, with internal cooling																																						
B	Single piece, steel, vibration-damped																																						
D	Single piece, steel, vibration-damped, with internal cooling																																						
C	Carbide body with steel head, with internal cooling																																						
E	Carbide body with steel head, vibration-damped																																						
F	Carbide body with steel head, vibration-damped, with internal cooling																																						
G	Carbide body with steel head																																						
H	Single piece, heavy metal																																						
J	Single piece, heavy metal and internal cooling																																						
12	8 = Feed direction	10 = Special <p>An additional free code can be indicated here.</p>																																					
S	Single piece, steel																																						
A	Single piece, steel, with internal cooling																																						
B	Single piece, steel, vibration-damped																																						
D	Single piece, steel, vibration-damped, with internal cooling																																						
C	Carbide body with steel head, with internal cooling																																						
E	Carbide body with steel head, vibration-damped																																						
F	Carbide body with steel head, vibration-damped, with internal cooling																																						
G	Carbide body with steel head																																						
H	Single piece, heavy metal																																						
J	Single piece, heavy metal and internal cooling																																						
10	10 = Special																																						

Overview of ISO boring bars

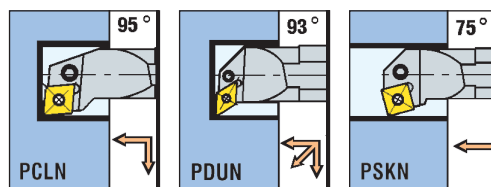
Type C



Type M



Type P



Type S

