INTERNAL MACHINING

Internal Machining

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2

ISO Designation System for Boring Bars

2

S – Type of shank

A
Steel shank with coolant through

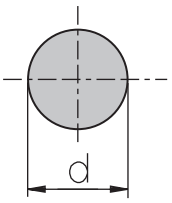
B
Steel shank with vibration damping

C
Carbide shank with brazed steel head

E
Carbide shank with brazed steel head and coolant through

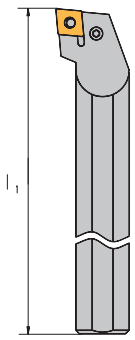
S
Steel shank

32 – Shank-Ø



d [mm]
08
10
12
16
20
25
32
40
50
60

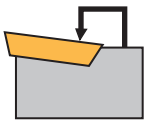
U – Length



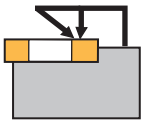
	l_1 [mm]		l_1 [mm]
A	32	M	150
B	40	N	160
C	50	P	170
D	60	Q	180
E	70	R	200
F	80	S	250
G	90	T	300
H	100	U	350
J	110	V	400
K	125	W	450
L	140	Y	500

Special length → X

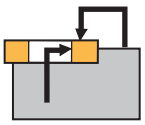
P – Clamping method



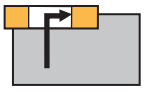
C
Top clamping



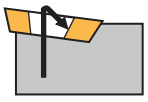
D
Top and hole clamping



M
Top and hole clamping

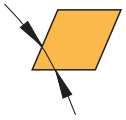


P
Lever lock clamping

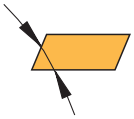


S
Screw clamping

C – Shape



80° C
55° D
75° E
86° M
35° V



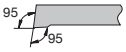
85° A
82° B
55° K

H
L
O
P
R
S
T
W

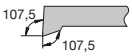
L – Style

F

K



L



Q

S

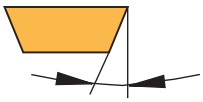
U

W

Y

Special style → X

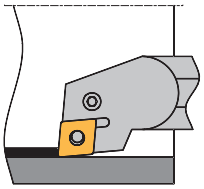
N – Clearance angle



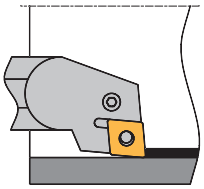
3°	A
5°	B
7°	C
15°	D
20°	E
25°	F
30°	G
0°	N
11°	P
Others →	O

L – Holder execution

R

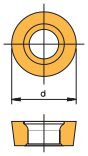


L



12 – Insert size

d [mm]



06
08
10
12
16
20
25
32

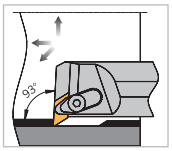
d [mm]	[inch]	[mm]	[mm]
06	5/32	3,97	03
08	3/16	4,76	04
09	7/32	5,56	05
11	1/4	6,35	06
16	3/8	9,525	09
22	1/2	12,7	12
27	5/8	15,875	15
33	3/4	19,05	19
44	1	25,4	25

... – Additional coding system

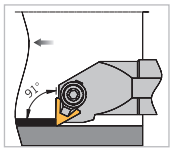
Special product information can be indicated by an internal company coding system at the 10th position.

L	N	L	12	...
Style	Clearance angle	Holder execution	Insert size	Additional coding system

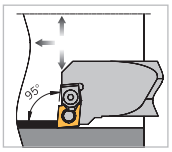
Top Clamping – Positive



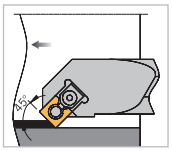
ACKUC R/L
Page 84



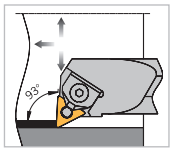
CTFP R/L
Page 85



MCLC R/L
Page 87

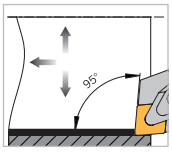


MSSC R/L
Page 88

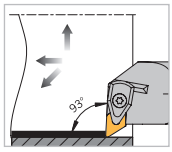


MTUC R/L
Page 88

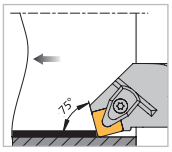
Top Clamping – Negative



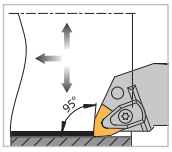
DCLN R/L
Page 85



DDUN R/L
Page 86

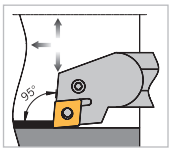


DSKN R/L
Page 86

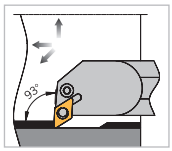


DWLN R/L
Page 87

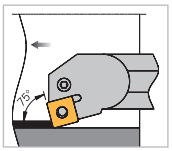
Lever Lock Clamping – Negative



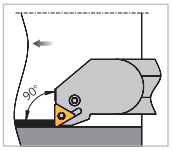
PCLN R/L
Page 89



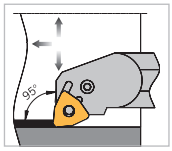
PDUN R/L
Page 90



PSKN R/L
Page 91

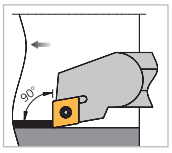


PTFN R/L
Page 92

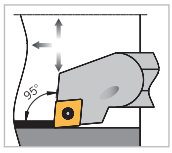


PWLN R/L
Page 93

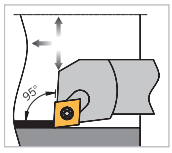
Screw Clamping – Positive



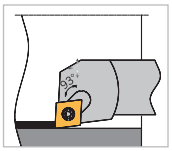
SCFC R/L
Page 94/95



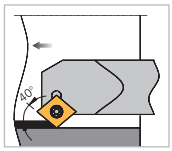
SCLC R/L
Page 96



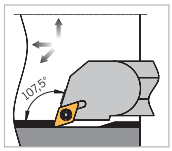
SCLD R/L
Page 97/98



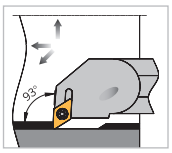
SCUP R/L
Page 99



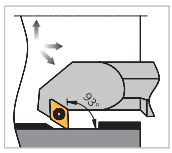
SCXP R/L
Page 100



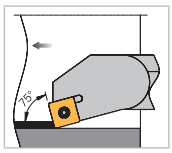
SDQC R/L
Page 101



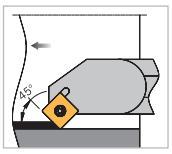
SDUC R/L
Page 102



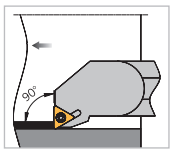
SDXC R/L
Page 103



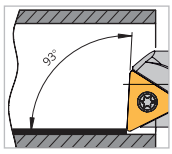
SSKC R/L
Page 104



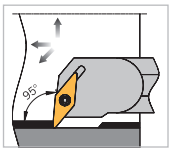
SSSC R/L
Page 105



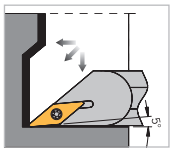
STFC R/L
Page 106/107



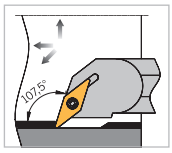
STUC R/L
Page 108



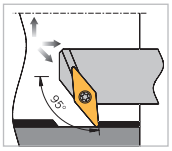
SVLC R/L
Page 109



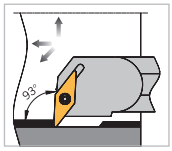
SVOC R/L
Page 110



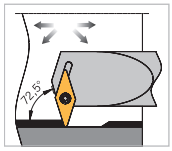
SVQC R/L
Page 111



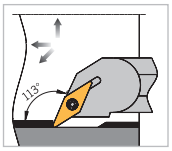
SV95C R/L
Page 112



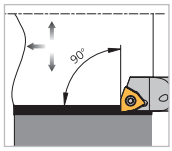
SVUC R/L
Page 113



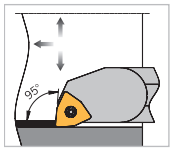
SVVC R/L
Page 114



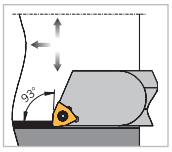
SVXC R/L
Page 115



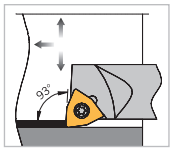
SWFC R/L
Page 116



SWLC R/L
Page 117



SWUC R/L
Page 118



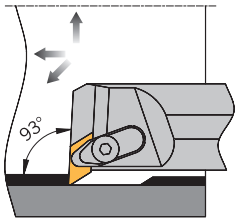
SWUC R/L
Page 119

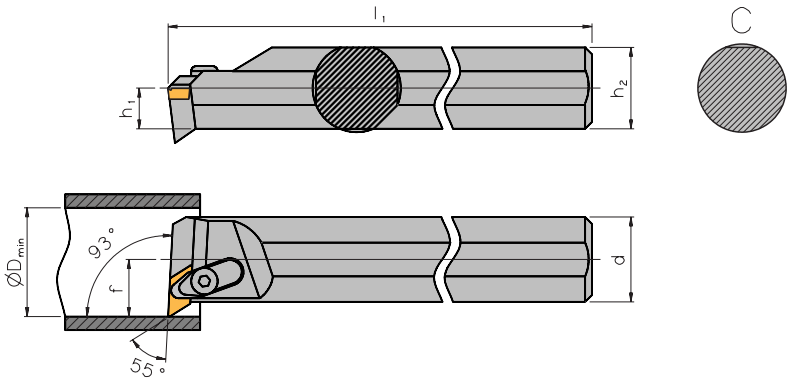
Torque Screwdriver Set

Page 120

ACKUC R/L Approach angle 93°

ARNO Kofler





Right hand execution shown

2

Boring Bars - Steel Shank

Designation	d	h_1	h_2	l_1	f	D_{min}	PG	Indexable insert
S12Q ACKUC R/L 11	12	6,0	11,5	180	9	17	**16**	**KCGX 1103..**
S16R ACKUC R/L 11	16	7,5	15,0	200	11	20	**16**	**KCGX 1103..**
S20S ACKUC R/L 11	20	9,5	19,0	250	13	25	**16**	**KCGX 1103..**
S25T ACKUC R/L 11	25	12,0	24,0	300	17	32	**16**	**KCGX 1103..**
S32U ACKUC R/L 11	32	15,5	31,0	350	22	40	**16**	**KCGX 1103..**

Boring Bars - Carbide Shank

Designation	d	h_1	h_2	l_1	f	D_{min}	PG	Indexable insert
C12Q ACKUC R/L 11	12	6,0	11,5	180	9	17	**30**	**KCGX 1103..**
C16R ACKUC R/L 11	16	8,0	15,5	200	11	20	**30**	**KCGX 1103..**
C20S ACKUC R/L 11	20	10,0	19,5	250	13	25	**30**	**KCGX 1103..**
C25T ACKUC R/L 11	25	12,5	24,0	300	17	32	**30**	**KCGX 1103..**

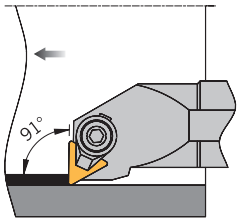
Spare Parts

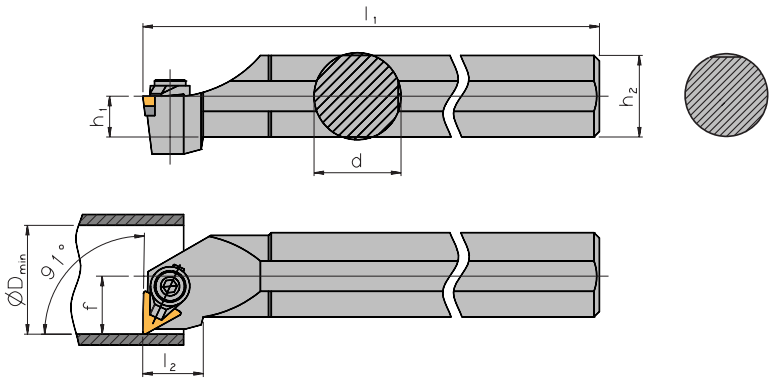
For boring bar	Clamp	Screw	Support pad	Screw for support pad	Key
.. 12-20.. ACKUC R/L 11	KL 11	S 11	–	–	KS 2520
.. 25-32.. ACKUC R 11	KL 11	S 11	UPL 11 L	UPS	KS 2520
.. 25-32.. ACKUC L 11	KL 11	S 11	UPL 11 R	UPS	KS 2520

Dimensions in mm

CTFP R/L Approach angle 91°

ARNO Kofler





Right hand execution shown

Boring Bars - Steel Shank

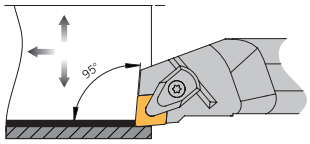
Designation	d	h_1	h_2	l_1	l_2	f	D_{min}	PG	Indexable insert
S12Q CTFP R/L 11	12	5,5	11	180	15	9	17,0	8	**TP.. 1103..**
S16R CTFP R/L 11	16	7,5	15	200	15	11	21,0	8	**TP.. 1103..**
S20S CTFP R/L 11	20	9,0	18	250	15	13	25,0	8	**TP.. 1103..**
S25T CTFP R/L 16	25	11,5	23	300	20	17	31,5	8	**TP.. 1603..**
S32U CTFP R/L 16	32	15,0	30	350	20	22	40,0	8	**TP.. 1603..**

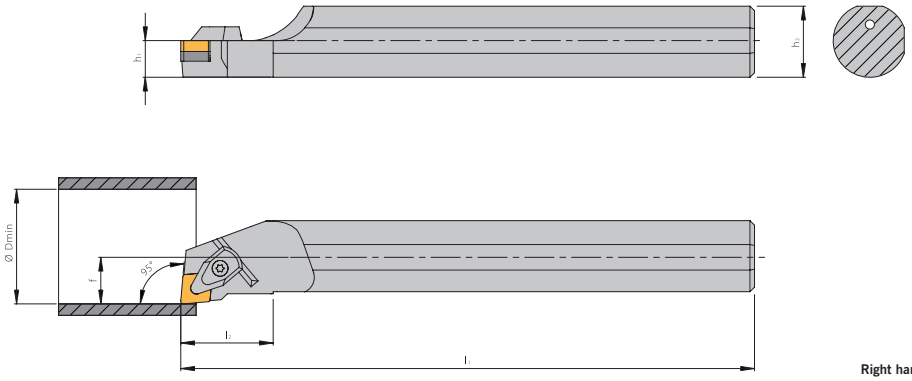
Spare Parts

For boring bar	Clamp	Screw	Support pad	Slotted pin	Key
.. 12-20.. CTFP R/L 11	7830001	7830002	–	–	KS 1111
.. 25-35.. CTFP R/L 16	7485865	7485860	7480316	7480901	KS 2520

DCLN R/L Approach angle 95°

ARNO Kofler





Right hand execution shown

Boring Bars - Steel Shank with Coolant Through

Designation	d	h_1	l_1	l_2	f	D_{min}	PG	Indexable insert
A32S DCLN R/L 12-A	32	31	250	40	22	40	8	**CN.. 1204..**
A40T DCLN R/L 12-A	40	39	300	45	27	50	8	**CN.. 1204..**

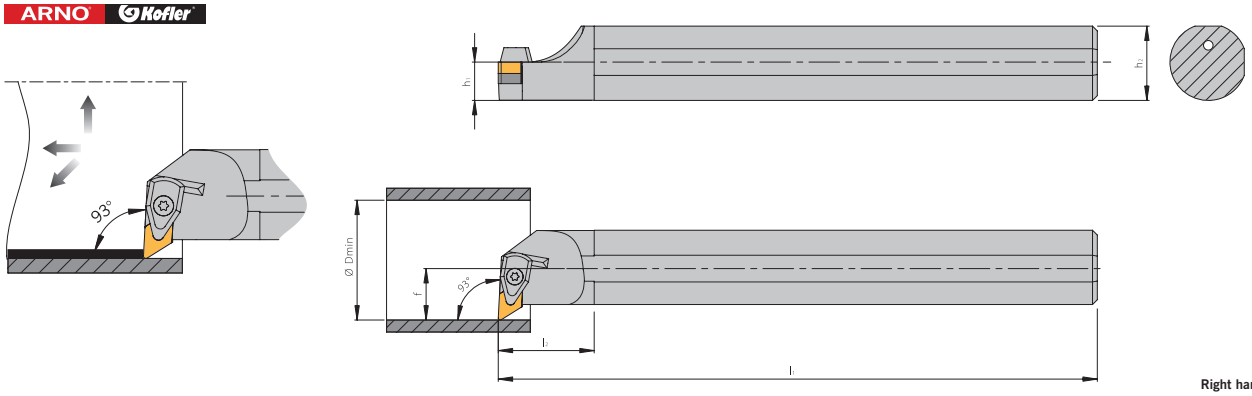
Spare Parts

For boring bar	Clamp/Spring/Screw	Support pad	Screw for support pad	Coolant jet
A.. DCLN.. 12-A	KD 2201	U-CN12T3-D	M4,5x10-T15	SPD 1111

Dimensions in mm

DDUN R/L Approach angle 93°

ARNO Kofler



Right hand execution shown

Boring Bars - Steel Shank with Coolant Through

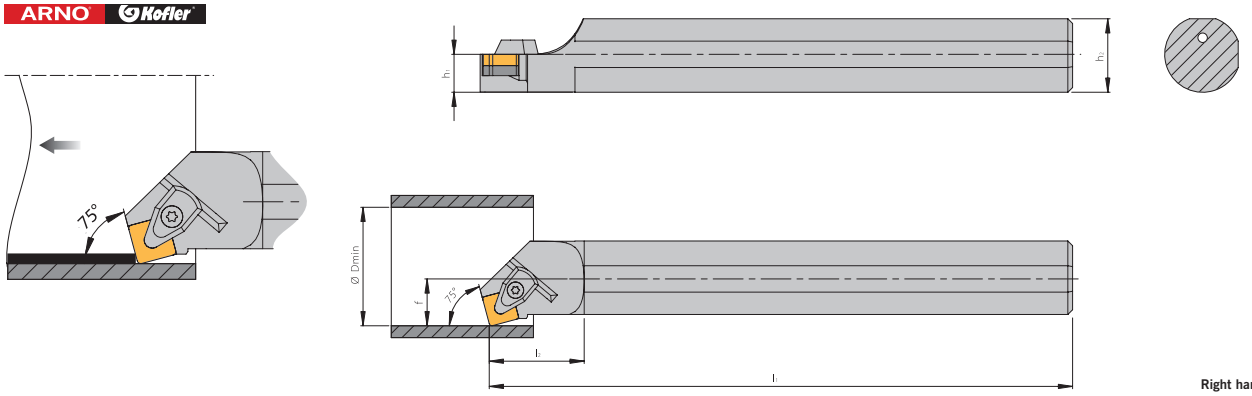
Designation	d	h_1	l_1	l_2	f	D_{min}	PG	Indexable insert
A32S DDUN R/L 11-A	32	31	250	40	22	40	8	**DN.. 1104..**
A40T DDUN R/L 15-A	40	39	300	45	27	50	8	**DN.. 1506..**

Spare Parts

For boring bar	Clamp/Spring/Screw	Support pad	Screw for support pad
A32S DUUN R/L 11-A	KD 1105	U-DN1103-D	M3,0x7-T09
A40T DDUN R/L 15-A	KD 2201	U-DN15T3-D	M4,5x10-T15

DSKN R/L Approach angle 75°

ARNO Kofler



Right hand execution shown

Boring Bars - Steel Shank with Coolant Through

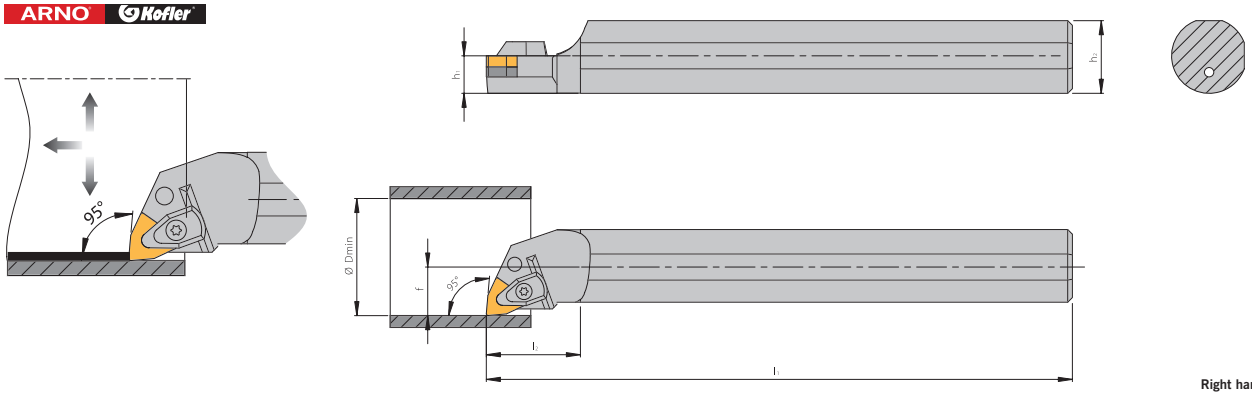
Designation	d	h_1	l_1	l_2	f	D_{min}	PG	Indexable insert
A32S DSKN R/L 12-A	32	31	250	40	22	40	8	**SN.. 1204..**

Spare Parts

For boring bar	Clamp/Spring/Screw	Support pad	Screw for support pad
A32S DSKN R/L 12-A	KD 2201	U-SN12T3-D	M4,5x10-T15

DWLN R/L Approach angle 95°

ARNO Kofler



Right hand execution shown

Boring Bars - Steel Shank with Coolant Through

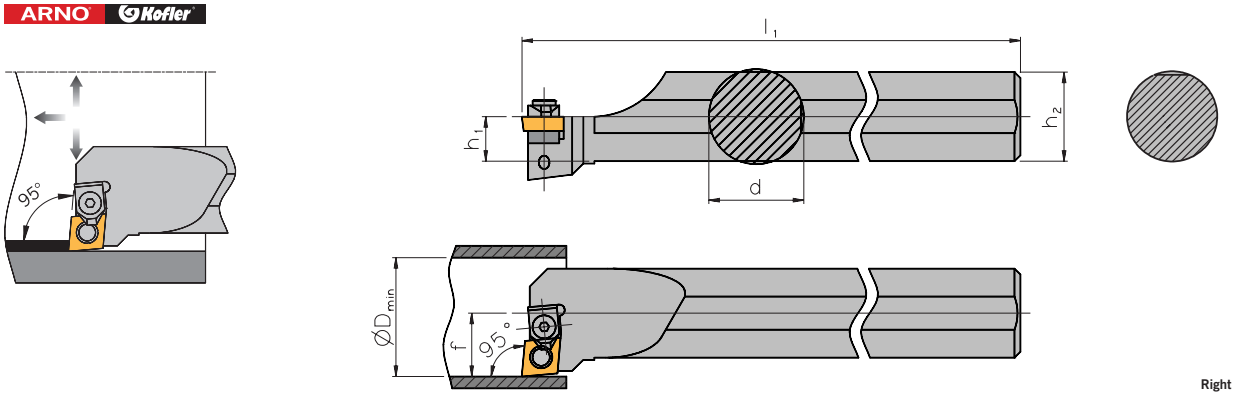
Designation	d	h_1	l_1	l_2	f	D_{min}	PG	Indexable insert
A25R DWLN R/L 06-A	25	24	200	32	17	32	8	**WN.. 0604..**
A32S DWLN R/L 08-A	32	31	250	40	22	40	8	**WN.. 0804..**
A40T DWLN R/L 08-A	40	39	300	45	27	50	8	**WN.. 0804..**

Spare Parts

For boring bar	Clamp/Spring/Screw	Support pad	Screw for support pad	Coolant jet
A.. DWLN.. 06-A	KD 1105	U-WN0603-D	M3,0x7-T09	SPD 1111
A.. DWLN.. 08-A	KD 2201	U-WN08T3-D	M4,5x10-T15	SPD 1111

MCLC R/L Approach angle 95°

ARNO Kofler



Right hand execution shown

Boring Bars - Steel Shank

Designation	d	h_1	h_2	l_1	f	D_{min}	PG	Indexable insert
S25R MCLC R/L 12	25	11,5	23	200	17	34	8	**CCMX 1204..**
S32S MCLC R/L 12	32	15,0	30	250	22	40	8	**CCMX 1204..**

Spare Parts

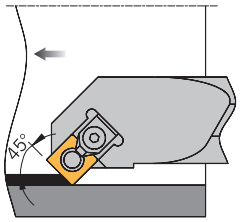
For boring bar	Clamp [1]	Wedge	Support pad	Pin	Key
.. MCLC R/L 12	7880608	7880103	7880007	7880407	KS 2520

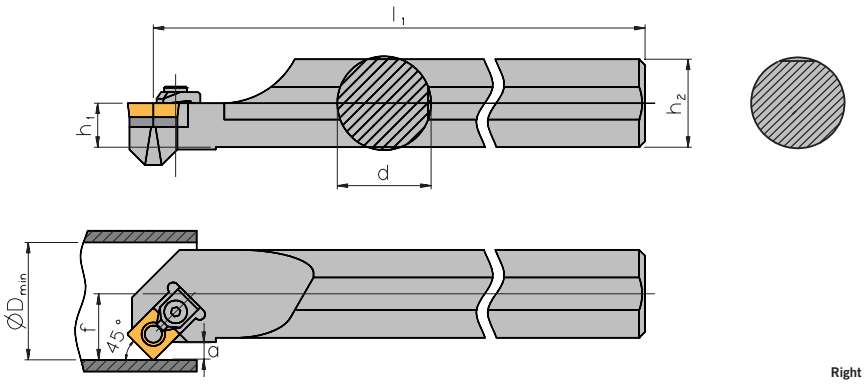
[1] with screw and lock washer

Dimensions in mm

MSSC R/L Approach angle 45°

ARNO Kofler





Right hand execution shown

2

Boring Bars - Steel Shank

Designation	d	h_1	h_2	l_1	f	a	D_{min}	PG	Indexable insert
S25R MSSC R/L 12	25	11,5	23	200	17	4,4	34	8	**SCMX 1204..**
S32S MSSC R/L 12	32	15,0	30	250	22	5,9	44	8	**SCMX 1204..**

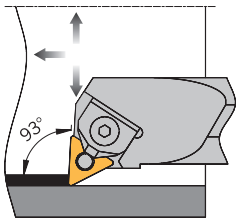
Spare Parts

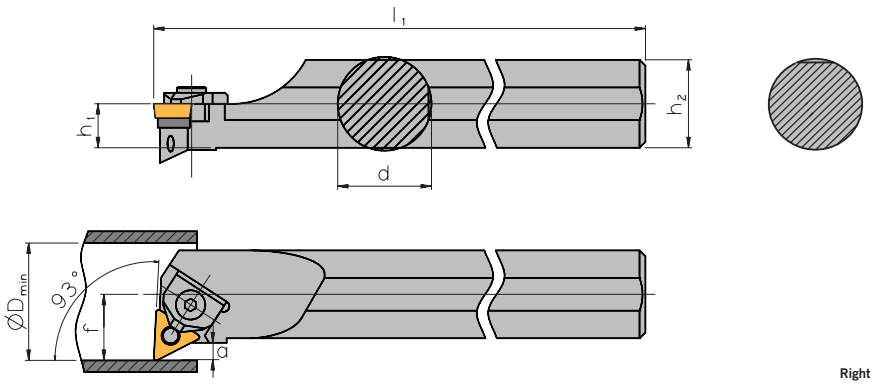
For boring bar	Clamp ❶	Wedge	Support pad	Pin	Key
.. MSSC R/L 12	7880608	7880103	7880010	7880407	KS 2520

❶ with screw and lock washer

MTUC R/L Approach angle 93°

ARNO Kofler





Right hand execution shown

Boring Bars - Steel Shank

Designation	d	h_1	h_2	l_1	f	a	D_{min}	PG	Indexable insert
S25R MTUC R/L 16	25	11,5	23	200	17	4,4	34	8	**TCMX 1604..**
S32S MTUC R/L 16	32	15,0	30	250	22	5,9	44	8	**TCMX 1604..**
S40T MTUC R/L 16	40	18,0	36	300	27	6,9	54	8	**TCMX 1604..**

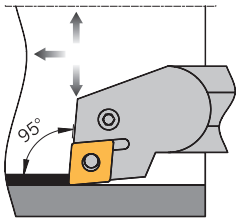
Spare Parts

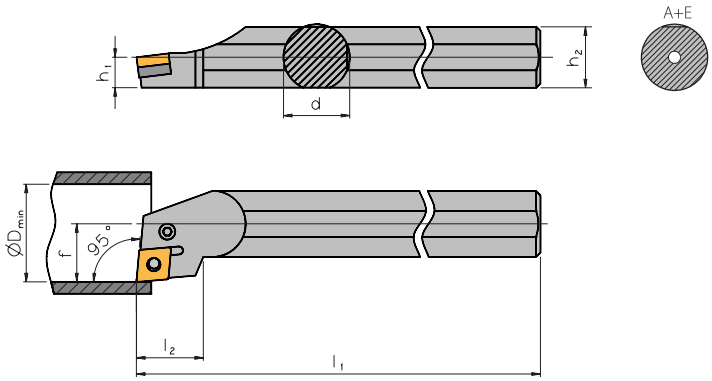
For boring bar	Clamp ❶	Wedge	Support pad	Pin	Key
.. MTUC R/L 16	7880606	7880101	7880008	7880408	KS 2520

❶ with screw and lock washer

PCLN R/L Approach angle 95°

ARNO Kofler





Right hand execution shown

2

Boring Bars - Steel Shank

Designation	d	h_1	h_2	l_1	l_2	f	D_{min}	PG	Indexable insert
S16R PCLN R/L 09	16	7,5	16	200	21,0	11	20	8	CN.. 0903..
S20S PCLN R/L 09	20	9,0	18	250	21,0	13	25	8	CN.. 0903..
S25T PCLN R/L 09	25	11,5	23	300	21,0	17	32	8	CN.. 0903..
S25T PCLN R/L 12	25	11,5	23	300	22,0	17	32	8	CN.. 1204..
S32U PCLN R/L 12	32	15,0	30	350	24,1	22	40	8	CN.. 1204..
S40V PCLN R/L 12	40	18,5	37	400	24,1	27	49	8	CN.. 1204..
S50W PCLN R/L 16	50	23,5	47	450	31,0	35	62	8	CN.. 1606..

Boring Bars - Steel Shank with Coolant Through

Designation	d	h_1	h_2	l_1	l_2	f	D_{min}	PG	Indexable insert
A16M PCLN R/L 09	16	8,0	15,5	150	21,0	11	20	8	CN.. 0903..
A20Q PCLN R/L 09	20	10,0	19,0	180	21,0	13	25	8	CN.. 0903..
A25R PCLN R/L 09	25	12,5	24,0	200	21,0	17	32	8	CN.. 0903..
A25R PCLN R/L 12	25	12,5	24,0	200	21,0	17	32	8	CN.. 1204..
A32S PCLN R/L 12	32	16,0	31,0	250	24,1	22	40	8	CN.. 1204..
A40T PCLN R/L 12	40	20,0	38,5	300	24,1	27	49	8	CN.. 1204..

Boring Bars - Carbide Shank with Coolant Through

Designation	d	h_1	h_2	l_1	l_2	f	D_{min}	PG	Indexable insert
E32U PCLN R/L 12	32	16	31	350	24,1	22	40	30	CN.. 1204..

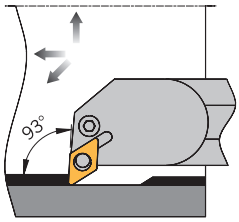
Spare Parts

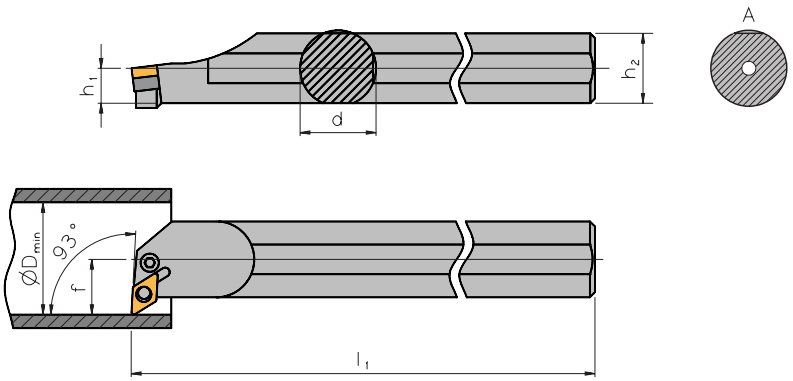
For boring bar	1 Support pad	2 Lever	3 Clamping screw	4 Shim pin	Shim pin punch	Key	Spare part set 1-4
.. 16.. PCLN R/L 09	–	HP 1118	SP 1118	–	–	KP 3421	P 1113
.. 20.. PCLN R/L 09	–	HP 1118	SP 1118	–	–	KP 3421	P 1113
.. 25.. PCLN R/L 09	UP 1115	HP 4751	SP 3111	RP 3112	MP 3111	KP 3111	P 1112
.. 25.. PCLN R/L 12	UP 1111	HP 1111	SP 1114	RP 1111	MP 1111	KP 1111	P 1114
.. 32-40.. PCLN R/L 12	UP 1111	HP 1111	SP 1111	RP 1111	MP 1111	KP 1111	P 1111
.. 50.. PCLN R/L 16	UP 1221	HP 1221	SP 1221	RP 1221	MP 1221	KP 1111	P 1221

Dimensions in mm

PDUN R/L Approach angle 93°

ARNO Kofler





Right hand execution shown

2

Boring Bars - Steel Shank

Designation	d	h_1	h_2	l_1	f	D_{min}	PG	Indexable insert
S20S PDUN R/L 11	20	9,0	18	250	16,0	27	8	**DN.. 1104..**
S25T PDUN R/L 11	25	11,5	23	300	18,5	32	8	**DN.. 1104..**
S32U PDUN R/L 11	32	15,0	30	350	22,0	40	8	**DN.. 1104..**
S32U PDUN R/L 15	32	15,0	30	350	22,0	40	8	**DN.. 1506..**
S40V PDUN R/L 15	40	18,5	37	400	27,0	49	8	**DN.. 1506..**
S50W PDUN R/L 15	50	23,5	47	450	35,0	62	8	**DN.. 1506..**

Boring Bars - Steel Shank with Coolant Through

Designation	d	h_1	h_2	l_1	f	D_{min}	PG	Indexable insert
A20Q PDUN R/L 11	20	10,0	19,0	180	16,0	27	8	**DN.. 1104..**
A25R PDUN R/L 11	25	12,5	24,0	200	18,5	32	8	**DN.. 1104..**
A32S PDUN R/L 11	32	16,0	31,0	250	22,0	40	8	**DN.. 1104..**
A32S PDUN R/L 15	32	16,0	31,0	250	22,0	40	8	**DN.. 1506..**
A40T PDUN R/L 15	40	20,0	38,5	300	27,0	49	8	**DN.. 1506..**

Remark: **A-execution with cylindrical part at the end of the shank**

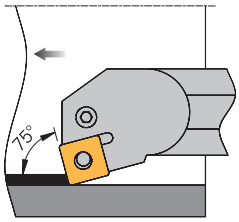
Spare Parts

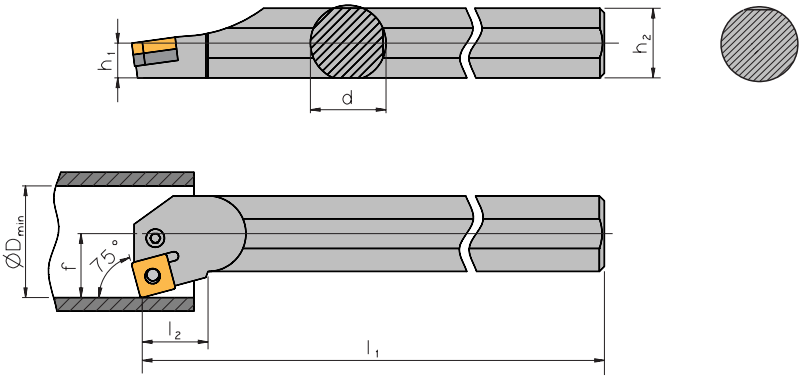
For boring bar	1 Support pad	2 Lever	3 Clamping screw	4 Shim pin	Shim pin punch	Key	Spare part set 1-4
.. 20.. PDUN R/L 11	–	HP 2012	SP 3112	–	–	KP 3111	P 2012
.. 25-32.. PDUN R/L 11	UP 2011	HP 2011	SP 3111	RP 3112	MP 3111	KP 3111	P 2011
.. 32-50.. PDUN R/L 15	UP 2421	HP 2421	SP 1111	RP 1111	MP 1111	KP 1111	P 2421

Dimensions in mm

PSKN R/L Approach angle 75°

ARNO Kofler





Right hand execution shown

Boring Bars - Steel Shank

Designation	d	h_1	h_2	l_1	l_2	f	D_{min}	PG	Indexable insert
S25T PSKN R/L 12	25	11,5	23	300	15,5	17	32	8	**SN.. 1204..**
S32U PSKN R/L 12	32	15,0	30	350	16,0	22	40	8	**SN.. 1204..**
S40V PSKN R/L 12	40	18,5	37	400	23,0	27	49	8	**SN.. 1204..**

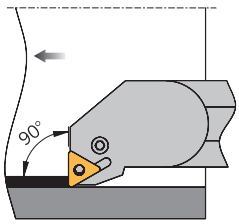
Spare Parts

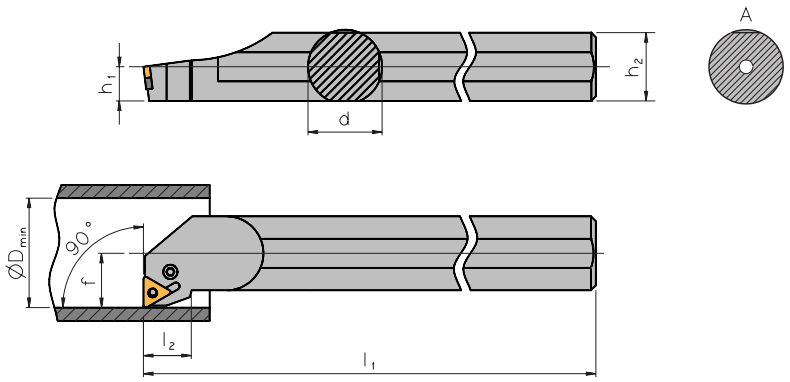
For boring bar	1 Support pad	2 Lever	3 Clamping screw	4 Shim pin	Shim pin punch	Key	Spare part set 1-4
.. 25-32.. PSKN R/L 12	UP 5112	HP 1111	SP 1114	RP 1111	MP 1111	KP 1111	P 1115
.. 40.. PSKN R/L 12	UP 5112	HP 1111	SP 1111	RP 1111	MP 1111	KP 1111	P 5112

Dimensions in mm

PTFN R/L Approach angle 90°

ARNO Kofler





Right hand execution shown

2

Boring Bars - Steel Shank

Designation	d	h_1	h_2	l_1	l_2	f	D_{min}	PG	Indexable insert
S16R PTFN R/L 11	16	7,5	15	200	14,0	11	20	8	**TN.. 1103..**
S20S PTFN R/L 11	20	9,0	18	250	14,0	13	25	8	**TN.. 1103..**
S25T PTFN R/L 16	25	11,5	23	300	17,5	17	32	8	**TN.. 1604..**
S32U PTFN R/L 16	32	15,0	30	350	18,0	22	40	8	**TN.. 1604..**
S40V PTFN R/L 22	40	18,5	37	400	27,0	27	49	8	**TN.. 2204..**
S50W PTFN R/L 22	50	23,5	47	450	35,0	35	62	8	**TN.. 2204..**

Boring Bars - Steel Shank with Coolant Through

Designation	d	h_1	h_2	l_1	l_2	f	D_{min}	PG	Indexable insert
A16M PTFN R/L 11	16	8,0	15,5	150	14,0	11	20	8	**TN.. 1103..**
A20Q PTFN R/L 11	20	10,0	19,0	180	14,0	13	25	8	**TN.. 1103..**
A25R PTFN R/L 16	25	12,5	24,0	200	17,5	17	32	8	**TN.. 1604..**
A32S PTFN R/L 16	32	16,0	31,0	250	18,0	22	40	8	**TN.. 1604..**

Remark: **A-execution with cylindrical part at the end of the shank**

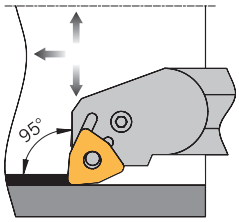
Spare Parts

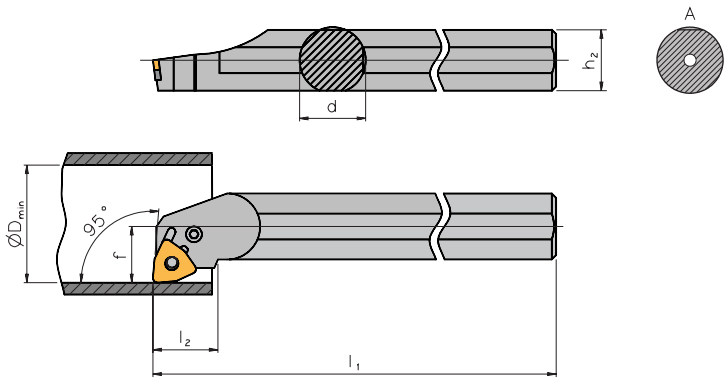
For boring bar	1 Support pad	2 Lever	3 Clamping screw	4 Shim pin	Shim pin punch	Key	Spare part set 1-4
.. 16-20.. PTFN R/L 11	–	HP 6051	SP 5751	–	–	KP 3421	P 6051
.. 25-32.. PTFN R/L 16	UP 6211	HP 4751	SP 3111	RP 3112	MP 3111	KP 3111	P 6211
.. 40-50.. PTFN R/L 22	UP 6811	HP 1111	SP 1111	RP 1111	MP 1111	KP 1111	P 6811

Dimensions in mm

PWLN R/L Approach angle 95°

ARNO Kofler





Right hand execution shown

Boring Bars - Steel Shank

Designation	d	h_2	l_1	l_2	f	D_{min}	PG	Indexable insert
S20S PWLN R/L 06	20	18	250	19,5	13	25	8	**WN.. 0604..**
S25T PWLN R/L 06	25	23	300	19,5	17	32	8	**WN.. 0604..**
S32U PWLN R/L 06	32	30	350	19,5	22	40	8	**WN.. 0604..**
S32U PWLN R/L 08	32	30	350	26,0	22	40	8	**WN.. 0804..**
S40V PWLN R/L 08	40	37	400	26,0	27	49	8	**WN.. 0804..**

Boring Bars - Steel Shank with Coolant Through

Designation	d	h_2	l_1	l_2	f	D_{min}	PG	Indexable insert
A16M PWLN R/L 06	16	15,5	150	17,5	11	21	8	**WN.. 0604..**
A20Q PWLN R/L 06	20	19,0	180	19,5	13	25	8	**WN.. 0604..**
A25R PWLN R/L 06	25	24,0	200	19,5	17	32	8	**WN.. 0604..**
A32S PWLN R/L 06	32	31,0	250	19,5	22	40	8	**WN.. 0604..**
A32S PWLN R/L 08	32	31,0	250	26,0	22	40	8	**WN.. 0804..**
A40T PWLN R/L 08	40	39,0	300	26,0	27	49	8	**WN.. 0804..**

Remark: A-execution with cylindrical part at the end of the shank

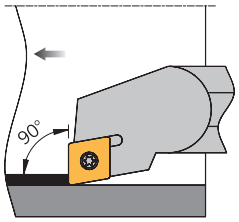
Spare Parts

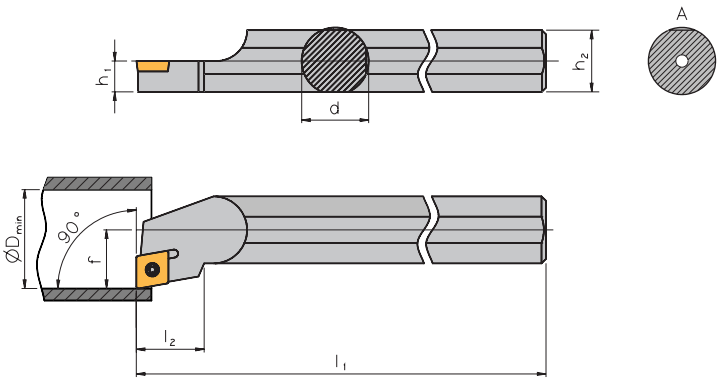
For boring bar	1 Support pad	2 Lever	3 Clamping screw	4 Shim pin	Shim pin punch	Key	Spare part set 1-4
.. 16-20.. PWLN R/L 06	–	HP 4753	SP 3113	–	–	KP 3421	P 71111
.. 25-32.. PWLN R/L 06	UP 71111	HP 4751	SP 3111	RP 3112	MP 3111	KP 3111	P 71112
.. 32-40.. PWLN R/L 08	UP 71011	HP 1111	SP 1111	RP 1111	MP 1111	KP 1111	P 71011

Dimensions in mm

SCFC R/L Approach angle 90°

ARNO Kofler





Right hand execution shown

2

Boring Bars - Steel Shank

Designation	d	h_1	h_2	l_1	l_2	f	D_{min}	PG	Indexable insert
S08H SCFC R/L 06	8	3,5	7	100	–	5	11	8	**CC.. 0602..**
S10K SCFC R/L 06	10	4,5	9	125	9	7	14	8	**CC.. 0602..**
S12Q SCFC R/L 06	12	5,5	11	180	14	9	17	8	**CC.. 0602..**

Boring Bars - Steel Shank with Coolant Through

Designation	d	h_1	h_2	l_1	l_2	f	D_{min}	PG	Indexable insert
A08F SCFC R/L 06	8	4	7,5	80	–	5	11	8	**CC.. 0602..**
A10H SCFC R/L 06	10	5	9,5	100	9	7	14	8	**CC.. 0602..**
A12K SCFC R/L 06	12	6	11,5	125	14	9	17	8	**CC.. 0602..**

Remark: A-execution with cylindrical part at the end of the shank

Spare Parts

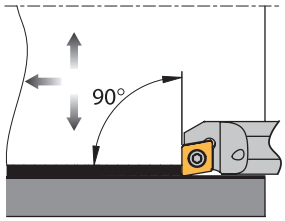
For boring bar	Screw	Key	Spare part set ❹
.. 08-12.. SCFC R/L 06	SS 1754	KS 1751	S 1754

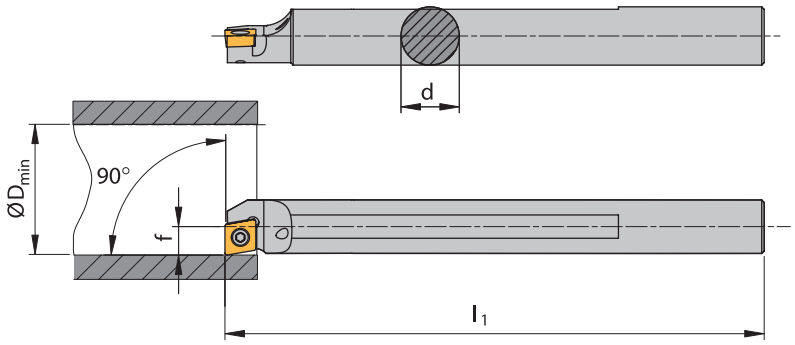
❹ Spare part set consists of: 3 screws + 1 key

SCFC R/L Approach angle 90°

ARNO Kofler

CNC Auto Lathes





Right hand execution shown

2

Boring Bars - Steel Shank with Coolant Through

Designation	d	l_1	f	D_{min}	PG	Indexable insert
A08F SCFC R/L 06-A	8	80	4,3	8,4	**8**	**CC.. 0602..**
A10H SCFC R/L 06-A	10	100	5,3	10,4	**8**	**CC.. 0602..**
A12K SCFC R/L 06-A	12	125	6,3	12,5	**8**	**CC.. 0602..**
A16M SCFC R/L 09-A	16	150	8,8	16,5	**8**	**CC.. 09T3..**

Remark: A-execution with cylindrical part at the end of the shank

Boring Bars - Carbide Shank with Coolant Through

Designation	d	l_1	f	D_{min}	PG	Indexable insert
E08H SCFC R/L 06-A	8	100	4,3	8,4	**30**	**CC.. 0602..**
E10K SCFC R/L 06-A	10	125	5,3	10,4	**30**	**CC.. 0602..**
E12Q SCFC R/L 06-A	12	180	6,3	12,5	**30**	**CC.. 0602..**
E16R SCFC R/L 09-A	16	200	8,8	16,5	**30**	**CC.. 09T3..**

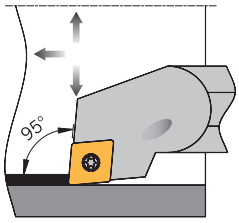
Spare Parts

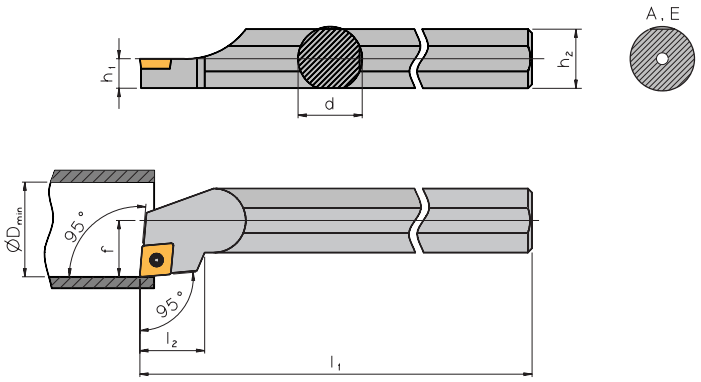
For boring bar	Screw	Key	Spare part set ❹
.. 08-12.. SCFC R/L 06-A	SS 1754	KS 1751	S 1754
.. 16.. SCFC R/L 09-A	SS 1114	KS 1111	S 1114

❹ Spare part set consists of: 3 screws + 1 key

SCLC R/L Approach angle 95°

ARNO Kofler





Right hand execution shown

2

Boring Bars - Steel Shank

Designation	d	h_1	h_2	l_1	l_2	f	D_{min}	PG	Indexable insert
S08H SCLC R/L 06	8	3,5	7	100	–	5	11,0	8	CC.. 0602..
S10K SCLC R/L 06	10	4,5	9	125	10	7	13,0	8	CC.. 0602..
S12Q SCLC R/L 06	12	5,5	11	180	10	9	16,0	8	CC.. 0602..
S16R SCLC R/L 09	16	7,5	15	200	16	11	20,0	8	CC.. 09T3..
S20S SCLC R/L 09	20	9,0	18	250	16	13	25,0	8	CC.. 09T3..
S25T SCLC R/L 09	25	11,5	23	300	16	17	31,5	8	CC.. 09T3..
S32U SCLC R/L 12	32	15,0	30	350	22	22	40,0	8	CC.. 1204..
S40V SCLC R/L 12	40	18,5	37	400	22	27	49,0	8	CC.. 1204..

Boring Bars - Steel Shank with Coolant Through

Designation	d	h_1	h_2	l_1	l_2	f	D_{min}	PG	Indexable insert
A08F SCLC R/L 06	8	4,0	7,5	80	–	5	11,0	8	CC.. 0602..
A10H SCLC R/L 06	10	5,0	9,5	100	10	7	13,0	8	CC.. 0602..
A12K SCLC R/L 06	12	6,0	11,5	125	10	9	16,0	8	CC.. 0602..
A16M SCLC R/L 09	16	8,0	15,5	150	16	11	20,0	8	CC.. 09T3..
A20Q SCLC R/L 09	20	10,0	19,0	180	16	13	25,0	8	CC.. 09T3..
A25R SCLC R/L 09	25	12,5	24,0	200	16	17	31,5	8	CC.. 09T3..
A32S SCLC R/L 12	32	16,0	31,0	250	22	22	40,0	8	CC.. 1204..
A40T SCLC R/L 12	40	20,0	38,5	300	22	27	49,0	8	CC.. 1204..

Remark: A-execution with cylindrical part at the end of the shank

Boring Bars - Carbide Shank with Coolant Through

Designation	d	h_1	h_2	l_1	l_2	f	D_{min}	PG	Indexable insert
E08H SCLC R/L 06	8	4,0	7,5	100	–	5	11,0	30	CC.. 0602..
E10K SCLC R/L 06	10	5,0	9,5	125	10	7	14,0	30	CC.. 0602..
E12Q SCLC R/L 06	12	6,0	11,5	180	10	9	17,0	30	CC.. 0602..
E16R SCLC R/L 09	16	8,0	15,5	200	16	11	21,0	30	CC.. 09T3..
E20S SCLC R/L 09	20	10,0	19,0	250	16	13	25,0	30	CC.. 09T3..
E25T SCLC R/L 09	25	12,5	24,0	300	16	17	31,5	30	CC.. 09T3..
E32U SCLC R/L 12	32	16,0	31,0	350	22	22	40,0	30	CC.. 1204..

Spare Parts

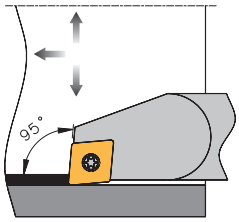
For boring bar	Support pad	Bushing	Screw	Key	Spare part set ❹
.. 08-12.. SCLC R/L 06	–	–	SS 1754	KS 1751	S 1754
.. 16-20.. SCLC R/L 09	–	–	SS 1114	KS 1111	S 2314
.. 25.. SCLC R/L 09	–	–	SS 1111	KS 1111	S 1111
.. 32-40.. SCLC R/L 12	US 1221	GBS 1221-K	SS 1221	KS 1115	S 1221

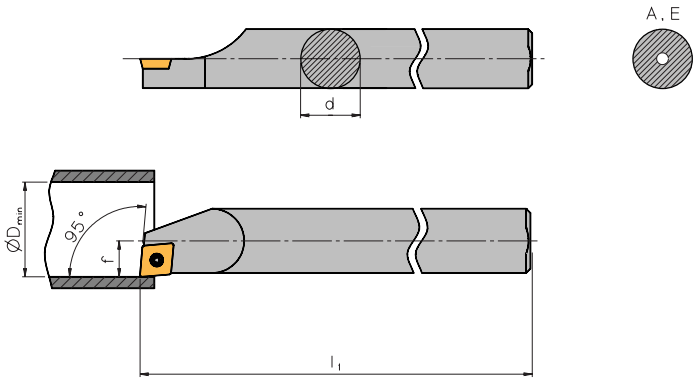
❹ Spare part set consists of: 3 screws + 1 key. Depending on type of toolholder also 1 support pad + 1 bushing

Dimensions in mm

SCLD R/L Approach angle 95°

ARNO Kofler





Right hand execution shown

Boring Bars - Steel Shank

Designation	d	l_1	f	D_{min}	PG	Indexable insert
S04E SCLD R/L 04	4	70	2,4	4,8	8	CD.. 0401..
S05E SCLD R/L 04	5	70	2,9	5,8	8	CD.. 0401..
S06F SCLD R/L 04	6	80	3,4	6,8	8	CD.. 0401..

Boring Bars - Steel Shank with Coolant Through

Designation	d	l_1	f	D_{min}	PG	Indexable insert
A04E SCLD R/L 04	4	70	2,4	4,8	8	CD.. 0401..
A05E SCLD R/L 04	5	70	2,9	5,8	8	CD.. 0401..
A06F SCLD R/L 04	6	80	3,4	6,8	8	CD.. 0401..

Boring Bars - Carbide Shank with Coolant Through

Designation	d	l_1	f	D_{min}	PG	Indexable insert
E04F SCLD R/L 04	4	80	2,4	4,8	30	CD.. 0401..
E05F SCLD R/L 04	5	80	2,9	5,8	30	CD.. 0401..
E06G SCLD R/L 04	6	95	3,4	6,8	30	CD.. 0401..

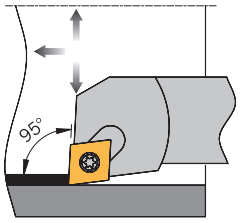
Spare Parts

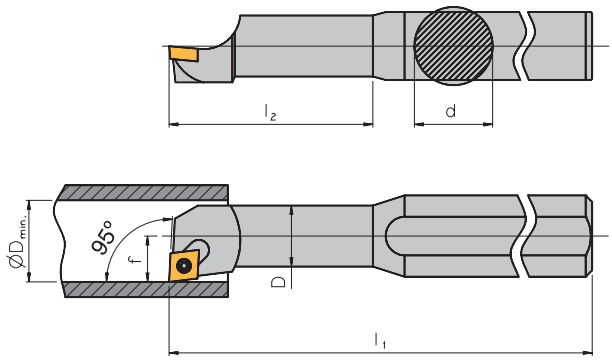
For boring bar	Screw	Key
.. SCLD R/L 04	T 1,8.03	KS 1886

Dimensions in mm

SCLD R/L Approach angle 95°

ARNO Kofler





Right hand execution shown

2

Boring Bars - Recessed Steel Shank

Designation	d	D	l_1	l_2	f	D_{min}	PG	Indexable insert
S0408H SCLD R/L 04	8	4	100	16	2,4	4,8	**8**	**CD.. 0401..**
S0508H SCLD R/L 04	8	5	100	20	2,9	5,8	**8**	**CD.. 0401..**
S0608H SCLD R/L 04	8	6	100	24	3,4	6,8	**8**	**CD.. 0401..**

Boring Bars - Recessed Steel Shank with Coolant Through

Designation	d	D	l_1	l_2	f	D_{min}	PG	Indexable insert
A0408H SCLD R/L 04	8	4	100	16	2,4	4,8	**8**	**CD.. 0401..**
A0508H SCLD R/L 04	8	5	100	20	2,9	5,8	**8**	**CD.. 0401..**
A0608H SCLD R/L 04	8	6	100	24	3,4	6,8	**8**	**CD.. 0401..**

Boring Bars - Recessed Carbide Shank with Coolant Through

Designation	d	D	l_1	l_2	f	D_{min}	PG	Indexable insert
E0408H SCLD R/L 04	8	4	100	24	2,4	4,8	**30**	**CD.. 0401..**
E0508H SCLD R/L 04	8	5	100	30	2,9	5,8	**30**	**CD.. 0401..**
E0608H SCLD R/L 04	8	6	100	36	3,4	6,8	**30**	**CD.. 0401..**

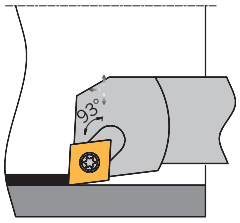
Spare Parts

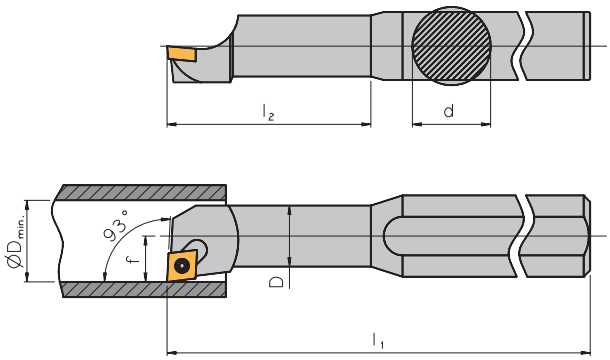
For boring bar	Screw	Key
.. SCLD R/L 04	T1,8.03	KS 2505

Dimensions in mm

SCUP R/L Approach angle 93°

ARNO Kofler





Right hand execution shown

Boring Bars - Recessed Steel Shank

Designation	d	D	l_1	l_2	f	D_{min}	PG	Indexable insert
S0608H SCUP R/L 05	8	6	100	20	4,5	8	8	**CP.. 05T1..**
S0810J SCUP R/L 05	10	8	110	26	6,0	11	8	**CP.. 05T1..**
S1012K SCUP R/L 05	12	10	125	32	7,0	13	8	**CP.. 05T1..**
S1216M SCUP R/L 05	16	12	150	40	9,0	16	8	**CP.. 05T1..**

Boring Bars - Recessed Steel Shank with Coolant Through

Designation	d	D	l_1	l_2	f	D_{min}	PG	Indexable insert
A0608H SCUP R/L 05	8	6	100	20	4,5	8	8	**CP.. 05T1..**
A0810J SCUP R/L 05	10	8	110	26	6,0	11	8	**CP.. 05T1..**
A1012K SCUP R/L 05	12	10	125	32	7,0	13	8	**CP.. 05T1..**
A1216M SCUP R/L 05	16	12	150	40	9,0	16	8	**CP.. 05T1..**

Boring Bars - Recessed Carbide Shank with Coolant Through

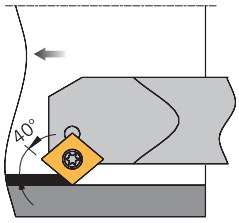
Designation	d	D	l_1	l_2	f	D_{min}	PG	Indexable insert
E0608H SCUP R/L 05	8	6	100	28	4,5	8	30	**CP.. 05T1..**
E0810J SCUP R/L 05	10	8	110	36	6,0	11	30	**CP.. 05T1..**
E1012K SCUP R/L 05	12	10	125	44	7,0	13	30	**CP.. 05T1..**
E1216M SCUP R/L 05	16	12	150	55	9,0	16	30	**CP.. 05T1..**

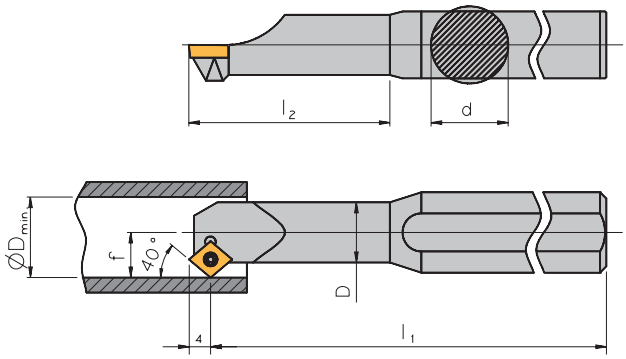
Spare Parts

For boring bar	Screw	Key
.. SCUP R/L 05	T2,2.04	KS 5151

SCXP R/L Approach angle 40°

ARNO Kofler





Right hand execution shown

2

Boring Bars - Recessed Steel Shank

Designation	d	D	l_1	l_2	f	D_{min}	PG	Indexable insert
S0608H SCXP R/L 05	8	6	100	20	4,5	8,5	8	**CP.. 05T1..**
S0810J SCXP R/L 05	10	8	110	26	6,0	11,0	8	**CP.. 05T1..**
S1012K SCXP R/L 05	12	10	125	32	7,0	13,0	8	**CP.. 05T1..**
S1216M SCXP R/L 05	16	12	150	40	9,0	16,0	8	**CP.. 05T1..**

Boring Bars - Recessed Steel Shank with Coolant Through

Designation	d	D	l_1	l_2	f	D_{min}	PG	Indexable insert
A0608H SCXP R/L 05	8	6	100	20	4,5	8,5	8	**CP.. 05T1..**
A0810J SCXP R/L 05	10	8	110	26	6,0	11,0	8	**CP.. 05T1..**
A1012K SCXP R/L 05	12	10	125	32	7,0	13,0	8	**CP.. 05T1..**
A1216M SCXP R/L 05	16	12	150	40	9,0	16,0	8	**CP.. 05T1..**

Boring Bars - Recessed Carbide Shank with Coolant Through

Designation	d	D	l_1	l_2	f	D_{min}	PG	Indexable insert
E0608H SCXP R/L 05	8	6	100	28	4,5	8,5	30	**CP.. 05T1..**
E0810J SCXP R/L 05	10	8	110	36	6,0	11,0	30	**CP.. 05T1..**
E1012K SCXP R/L 05	12	10	125	44	7,0	13,0	30	**CP.. 05T1..**
E1216M SCXP R/L 05	16	12	150	55	9,0	16,0	30	**CP.. 05T1..**

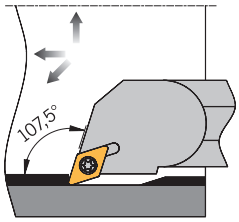
Spare Parts

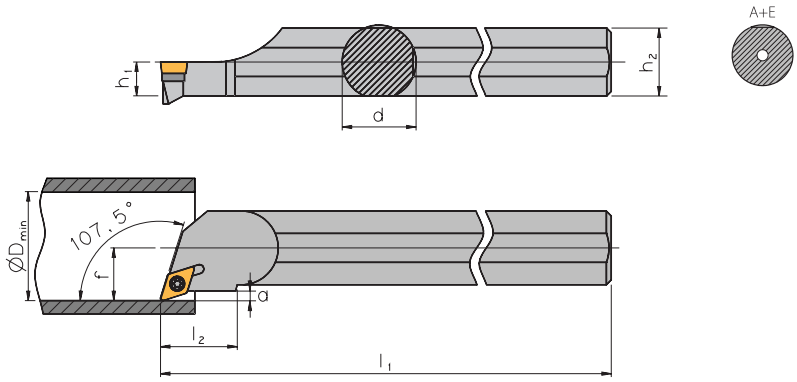
For boring bar	Screw	Key
.. SCXP R/L 05	T2,2.04	KS 5151

Dimensions in mm

SDQC R/L Approach angle 107,5°

ARNO Kofler





Right hand execution shown

Boring Bars - Steel Shank

Designation	d	h_1	h_2	l_1	l_2	f	a	D_{min}	PG	Indexable insert
S10K SDQC R/L 07	10	4,5	9	125	10,0	7	2,4	14,0	8	DC.. 0702..
S12Q SDQC R/L 07	12	5,5	11	180	12,5	9	2,9	17,0	8	DC.. 0702..
S16R SDQC R/L 07	16	7,5	15	200	16,5	11	2,9	21,0	8	DC.. 0702..
S20S SDQC R/L 07	20	9,0	18	250	20,5	13	2,9	25,0	8	DC.. 0702..
S25T SDQC R/L 11	25	11,5	23	300	26,5	17	4,4	31,5	8	DC.. 11T3..
S32U SDQC R/L 11	32	15,0	30	350	33,5	22	6,0	40,0	8	DC.. 11T3..
S40V SDQC R/L 11	40	18,5	37	400	41,5	27	6,9	49,0	8	DC.. 11T3..

Boring Bars - Steel Shank with Coolant Through

Designation	d	h_1	h_2	l_1	l_2	f	a	D_{min}	PG	Indexable insert
A10H SDQC R/L 07	10	4,5	9,0	100	10,0	7	2,4	14,0	8	DC.. 0702..
A12K SDQC R/L 07	12	6,0	11,5	125	12,5	9	2,9	17,0	8	DC.. 0702..
A16M SDQC R/L 07	16	8,0	15,5	150	16,5	11	2,9	21,0	8	DC.. 0702..
A20Q SDQC R/L 07	20	10,0	19,0	180	20,5	13	2,9	25,0	8	DC.. 0702..
A25R SDQC R/L 11	25	12,5	24,0	200	26,5	17	4,4	31,5	8	DC.. 11T3..
A32S SDQC R/L 11	32	16,0	31,0	250	33,5	22	6,0	40,0	8	DC.. 11T3..
A40T SDQC R/L 11	40	20,0	38,5	300	41,5	27	6,9	49,0	8	DC.. 11T3..

Remark: A-execution with cylindrical part at the end of the shank

Boring Bars - Carbide Shank with Coolant Through

Designation	d	h_1	h_2	l_1	l_2	f	a	D_{min}	PG	Indexable insert
E10K SDQC R/L 07	10	5,0	9,5	125	10,0	7	2,4	14,0	30	DC.. 0702..
E12Q SDQC R/L 07	12	6,0	11,5	180	12,5	9	2,9	17,0	30	DC.. 0702..
E16R SDQC R/L 07	16	8,0	15,5	200	16,5	11	2,9	21,0	30	DC.. 0702..
E20S SDQC R/L 07	20	10,0	19,0	250	20,5	13	2,9	25,0	30	DC.. 0702..
E20S SDQC R/L 11	20	10,0	19,0	250	20,5	13	2,9	25,0	30	DC.. 11T3..
E25T SDQC R/L 11	25	12,5	24,0	300	26,5	17	4,4	31,5	30	DC.. 11T3..

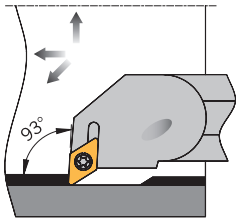
Spare Parts

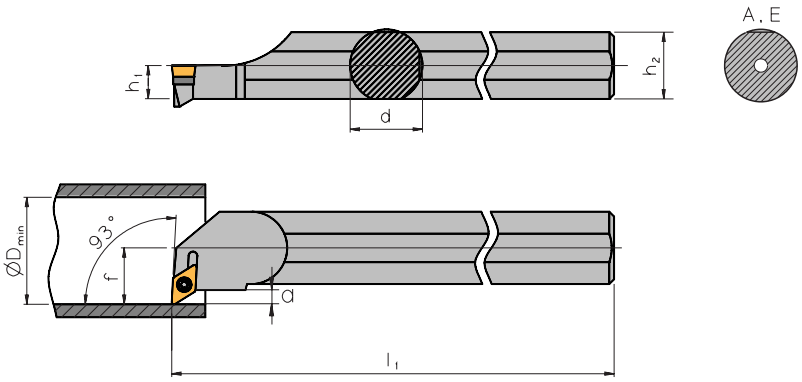
For boring bar	Support pad	Bushing	Screw	Key	Spare part set ❹
.. 10-20.. SDQC R/L 07	–	–	SS 1751	KS 1751	S 1751
.. 20-40.. SDQC R/L 11	US 2311	GBS 1111	SS 1111	KS 1115	S 2316

❹ Spare part set consists of: 3 screws + 1 key. Depending on type of toolholder also 1 support pad + 1 bushing

SDUC R/L Approach angle 93°

ARNO Kofler





Right hand execution shown

2

Boring Bars - Steel Shank

Designation	d	h_1	h_2	l_1	f	a	D_{min}	PG	Indexable insert
S10K SDUC R/L 07	10	4,5	9	125	7	1,9	14,0	8	DC.. 0702..
S12Q SDUC R/L 07	12	5,5	11	180	9	2,9	17,0	8	DC.. 0702..
S16R SDUC R/L 07	16	7,5	15	200	11	2,9	21,0	8	DC.. 0702..
S20S SDUC R/L 07	20	9,0	18	250	13	2,9	25,0	8	DC.. 0702..
S20S SDUC R/L 11	20	9,0	18	250	13	2,9	25,0	8	DC.. 11T3..
S25T SDUC R/L 11	25	11,5	23	300	17	4,4	31,5	8	DC.. 11T3..
S32U SDUC R/L 11	32	15,0	30	350	22	5,9	40,0	8	DC.. 11T3..
S40V SDUC R/L 11	40	18,5	37	400	27	6,9	49,0	8	DC.. 11T3..

Boring Bars - Steel Shank with Coolant Through

Designation	d	h_1	h_2	l_1	f	a	D_{min}	PG	Indexable insert
A10H SDUC R/L 07	10	5,0	9,5	100	7	1,9	14,0	8	DC.. 0702..
A12K SDUC R/L 07	12	6,0	11,5	125	9	2,9	17,0	8	DC.. 0702..
A16M SDUC R/L 07	16	8,0	15,5	150	11	2,9	21,0	8	DC.. 0702..
A20Q SDUC R/L 07	20	10,0	19,0	180	13	2,9	25,0	8	DC.. 0702..
A20Q SDUC R/L 11	20	10,0	19,0	180	13	2,9	25,0	8	DC.. 11T3..
A25R SDUC R/L 11	25	12,5	24,0	200	17	4,4	31,5	8	DC.. 11T3..
A32S SDUC R/L 11	32	16,0	31,0	250	22	5,9	40,0	8	DC.. 11T3..
A40T SDUC R/L 11	40	20,0	38,5	300	27	6,9	49,0	8	DC.. 11T3..

Remark: A-execution with cylindrical part at the end of the shank

Boring Bars - Carbide Shank with Coolant Through

Designation	d	h_1	h_2	l_1	f	a	D_{min}	PG	Indexable insert
E10K SDUC R/L 07	10	5,0	9,5	125	7	1,9	14,0	30	DC.. 0702..
E12Q SDUC R/L 07	12	6,0	11,5	180	9	2,9	17,0	30	DC.. 0702..
E16R SDUC R/L 07	16	8,0	15,5	200	11	2,9	21,0	30	DC.. 0702..
E20S SDUC R/L 11	20	10,0	19,0	250	13	2,9	25,0	30	DC.. 11T3..
E25T SDUC R/L 11	25	12,5	24,0	300	17	4,4	31,5	30	DC.. 11T3..
E32U SDUC R/L 11	32	16,0	31,0	350	22	5,9	40,0	30	DC.. 11T3..

Spare Parts

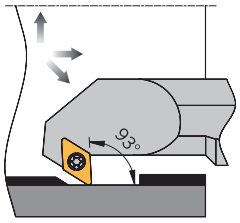
For boring bar	Support pad	Bushing	Screw	Key	Spare part set ❹
.. 10-20.. SDUC R/L 07	–	–	SS 1751	KS 1751	S 1751
.. 20.. SDUC R/L 11	–	–	SS 1114	KS 1111	S 1114
.. 25-40.. SDUC R/L 11	US 2311	GBS 1111	SS 1111	KS 1115	S 2316

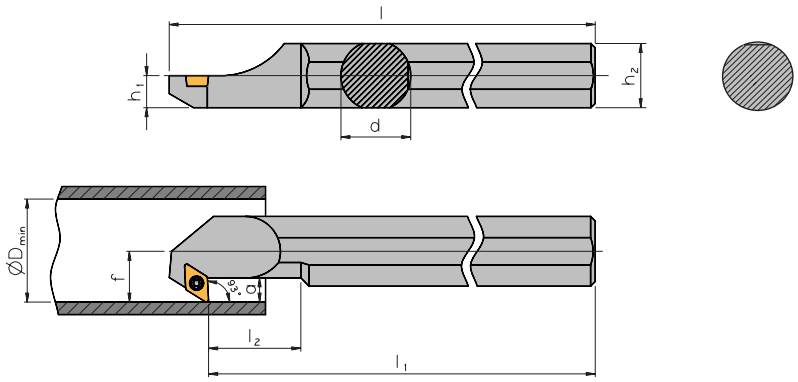
❹ Spare part set consists of: 3 screws + 1 key. Depending on type of toolholder also 1 support pad + 1 bushing

Dimensions in mm

SDXC R/L Approach angle 93°

ARNO Kofler





Right hand execution shown

Boring Bars - Steel Shank

Designation	d	h_1	h_2	l	l_1	l_2	f	a	D_{min}	PG	Indexable insert
S12Q SDXC R/L 07	12	5,5	11	191,4	180	24	9	4,5	17,0	8	**DC.. 0702..**
S16R SDXC R/L 07	16	7,5	15	211,4	200	32	11	4,5	21,0	8	**DC.. 0702..**
S20S SDXC R/L 11	20	9,0	18	267,6	250	40	13	10,8	25,0	8	**DC.. 11T3..**
S25T SDXC R/L 11	25	11,5	23	317,6	300	50	17	10,8	31,5	8	**DC.. 11T3..**

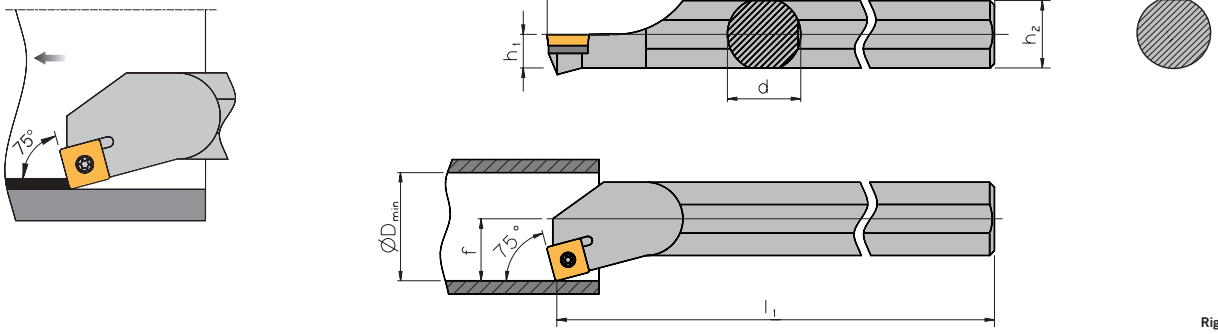
Spare Parts

For boring bar	Screw	Key	Spare part set ❹
.. 12-16.. SDXC R/L 07	SS 1751	KS 1751	S 1751
.. 20-25.. SDXC R/L 11	SS 2314	KS 1111	S 2314

❹ Spare part set consists of: 3 screws + 1 key

SSKC R/L Approach angle 75°

ARNO Kofler



Right hand execution shown

2

Boring Bars - Steel Shank

Designation	d	h_1	h_2	l	l_1	f	D_{min}	PG	Indexable insert
S16R SSKC R/L 09	16	7,5	15	202,2	200	11	21,0	8	**SC.. 09T3..**
S20S SSKC R/L 09	20	9,0	18	252,2	250	13	25,0	8	**SC.. 09T3..**
S25T SSKC R/L 09	25	11,5	23	302,2	300	17	31,5	8	**SC.. 09T3..**
S32U SSKC R/L 12	32	15,0	30	353,1	350	22	40,0	8	**SC.. 1204..**
S40V SSKC R/L 12	40	18,5	37	403,1	400	27	49,0	8	**SC.. 1204..**

Spare Parts

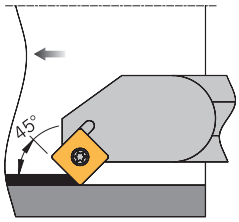
For boring bar	Support pad	Bushing	Screw	Key	Spare part set ❹
.. 16-20.. SSKC R/L 09	–	–	SS 1114	KS 1111	S 1114
.. 25.. SSKC R/L 09	–	–	SS 1111	KS 1111	S 1111
.. 32-40.. SSKC R/L 12	US 4221	GBS 1221	SS 1221	KS 1115	S 4226

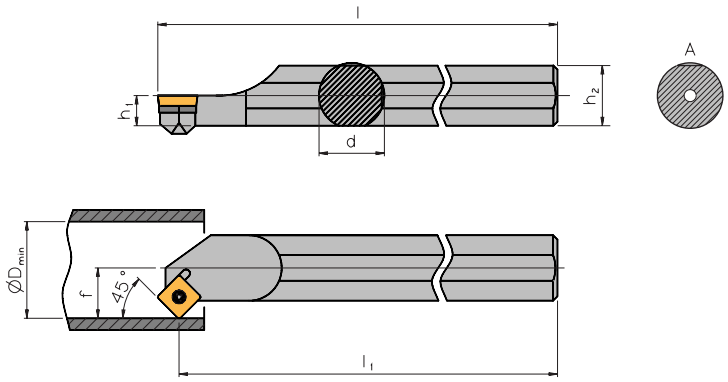
❹ Spare part set consists of: 3 screws + 1 key. Depending on type of toolholder also 1 support pad + 1 bushing

Dimensions in mm

SSSC R/L Approach angle 45°

ARNO Kofler





Right hand execution shown

Boring Bars - Steel Shank

Designation	d	h_1	h_2	l	l_1	f	D_{min}	PG	Indexable insert
S16R SSSC R/L 09	16	7,5	15	206,1	200	11	21,0	8	**SC.. 09T3..**
S20S SSSC R/L 09	20	9,0	18	256,1	250	13	25,0	8	**SC.. 09T3..**
S25T SSSC R/L 09	25	11,5	23	306,1	300	17	31,5	8	**SC.. 09T3..**
S32U SSSC R/L 12	32	15,0	30	358,3	350	22	40,0	8	**SC.. 1204..**
S40V SSSC R/L 12	40	18,5	37	408,3	400	27	49,0	8	**SC.. 1204..**

Boring Bars - Steel Shank with Coolant Through

Designation	d	h_1	h_2	l	l_1	f	D_{min}	PG	Indexable insert
A16M SSSC R/L 09	16	8,0	15,5	156,1	150	11	21,0	8	**SC.. 09T3..**
A20Q SSSC R/L 09	20	10,0	19,0	186,1	180	13	25,0	8	**SC.. 09T3..**
A25R SSSC R/L 09	25	12,5	24,0	206,1	200	17	31,5	8	**SC.. 09T3..**
A32S SSSC R/L 12	32	16,0	31,0	256,1	250	22	40,0	8	**SC.. 1204..**
A40T SSSC R/L 12	40	20,0	38,5	306,1	300	27	49,0	8	**SC.. 1204..**

Remark: **A-execution with cylindrical part at the end of the shank**

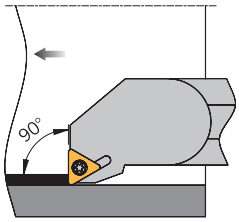
Spare Parts

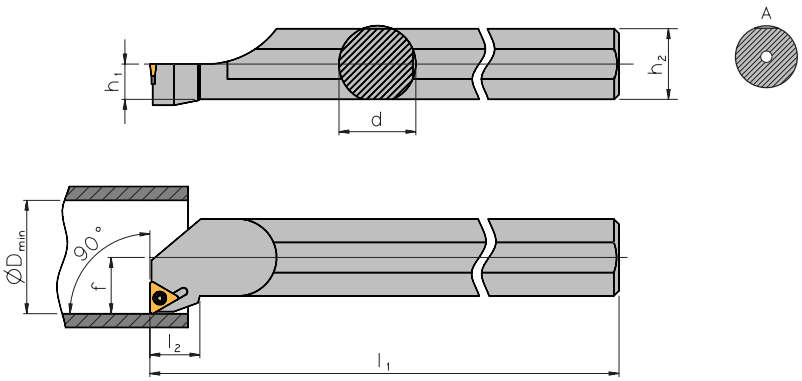
For boring bar	Support pad	Bushing	Screw	Key	Spare part set ❹
.. 16-20.. SSSC R/L 09	–	–	SS 1114	KS 1111	S 1114
.. 25.. SSSC R/L 09	–	–	SS 1111	KS 1111	S 1111
.. 32-40.. SSSC R/L 12	US 4221	GBS 1221	SS 1221	KS 1115	S 4226

❹ **Spare part set consists of:** **3 screws + 1 key. Depending on type of toolholder also 1 support pad + 1 bushing**

STFC R/L Approach angle 90°

ARNO Kofler





Right hand execution shown

2

Boring Bars - Steel Shank

Designation	d	h_1	h_2	l_1	l_2	f	D_{min}	PG	Indexable insert
S10K STFC R/L 09	10	4,5	9	125	12	7	14,0	8	**TC.. 0902..**
S12Q STFC R/L 11	12	5,5	11	180	13	9	17,0	8	**TC.. 1102..**
S16R STFC R/L 11	16	7,5	15	200	13	11	21,0	8	**TC.. 1102..**
S20S STFC R/L 11	20	9,0	18	250	13	13	25,0	8	**TC.. 1102..**
S25T STFC R/L 16	25	11,5	23	300	21	17	31,5	8	**TC.. 16T3..**
S32U STFC R/L 16	32	15,0	30	350	21	22	40,0	8	**TC.. 16T3..**
S40V STFC R/L 16	40	18,5	37	400	21	27	49,0	8	**TC.. 16T3..**

Boring Bars - Steel Shank with Coolant Through

Designation	d	h_1	h_2	l_1	l_2	f	D_{min}	PG	Indexable insert
A10H STFC R/L 09	10	5,0	9,5	100	12	7	14,0	8	**TC.. 0902..**
A12K STFC R/L 11	12	6,0	11,5	125	13	9	17,0	8	**TC.. 1102..**
A16M STFC R/L 11	16	8,0	15,5	150	13	11	21,0	8	**TC.. 1102..**
A20Q STFC R/L 11	20	10,0	19,0	180	13	13	25,0	8	**TC.. 1102..**
A25R STFC R/L 16	25	12,5	24,0	200	21	17	31,5	8	**TC.. 16T3..**
A32S STFC R/L 16	32	16,0	31,0	250	21	22	40,0	8	**TC.. 16T3..**
A40T STFC R/L 16	40	20,0	38,5	300	21	27	49,0	8	**TC.. 16T3..**

Remark: A-execution with cylindrical part at the end of the shank

Spare Parts

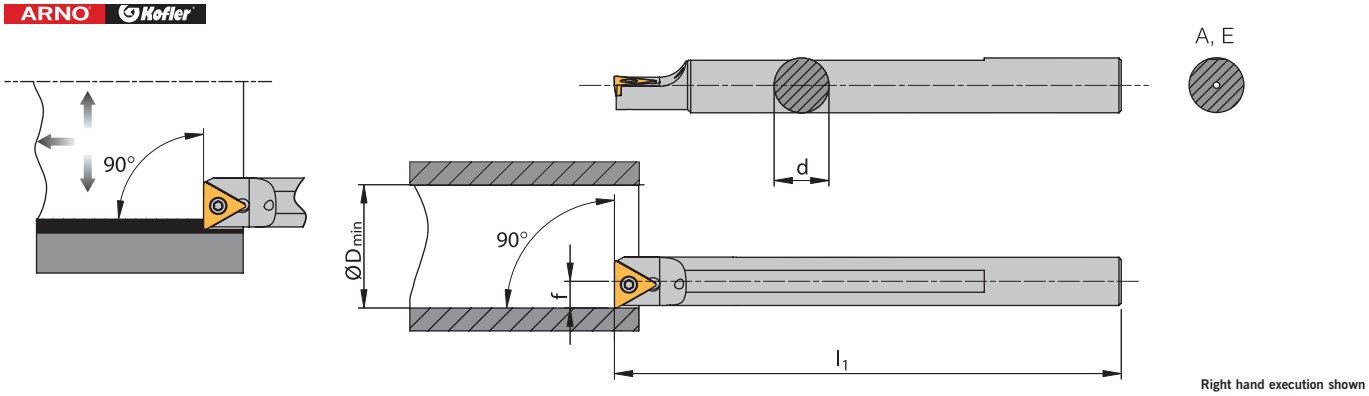
For boring bar	Support pad	Bushing	Screw	Key	Spare part set ❹
.. 10.. STFC R/L 09	–	–	SS 5151	KS 5151	S 5151
.. 12-20.. STFC R/L 11	–	–	SS 1751	KS 1751	S 1751
.. 25-40.. STFC R/L 16	US 5511	GBS 1111	SS 1111	KS 1115	S 5516

❹ Spare part set consists of: 3 screws + 1 key. Depending on type of toolholder also 1 support pad + 1 bushing

STFC R/L Approach angle 90°

ARNO Kofler

CNC Auto Lathes



Right hand execution shown

2

Boring Bars - Steel Shank with Coolant Through

Designation	d	l_1	f	D_{min}	PG	Indexable insert
A08F STFC R/L 06-A	8	80	4,3	8,4	**8**	**TC.. 06T1..**
A10H STFC R/L 09-A	10	100	5,3	10,4	**8**	**TC.. 0902..**
A12K STFC R/L 11-A	12	125	6,3	12,5	**8**	**TC.. 1102..**
A16M STFC R/L 11-A	16	150	8,8	16,5	**8**	**TC.. 1102..**

Remark: A-execution with cylindrical part at the end of the shank

Boring Bars - Carbide Shank with Coolant Through

Designation	d	l_1	f	D_{min}	PG	Indexable insert
E08H STFC R/L 06-A	8	100	4,3	8,4	**30**	**TC.. 06T1..**
E10K STFC R/L 09-A	10	125	5,3	10,4	**30**	**TC.. 0902..**
E12Q STFC R/L 11-A	12	180	6,3	12,5	**30**	**TC.. 1102..**
E16R STFC R/L 11-A	16	200	8,8	16,5	**30**	**TC.. 1102..**

Spare Parts

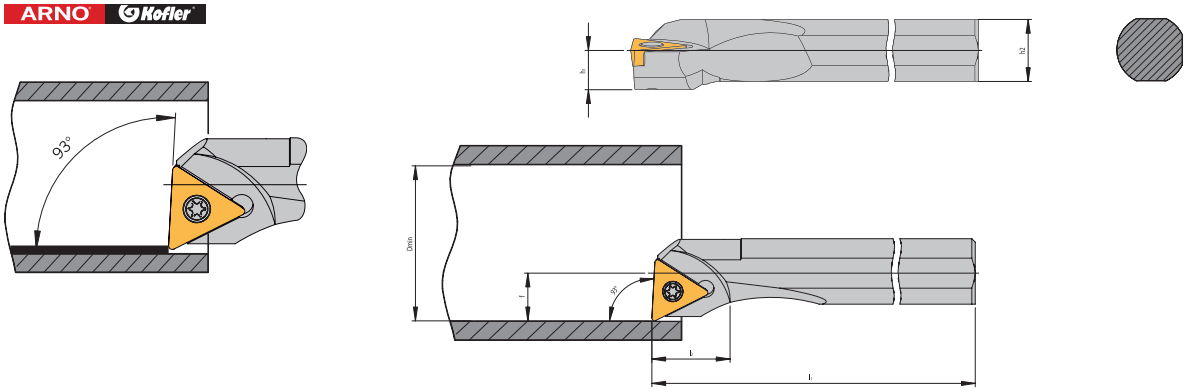
For boring bar	Screw	Key	Spare part set ❹
.. 08.. STFC R/L 06-A	SS 5140	KS 1886	–
.. 10.. STFC R/L 09-A	SS 5151	KS 5151	S 5151
.. 12-16.. STFC R/L 11-A	SS 1751	KS 1751	S 1751

❹ **Spare part set consists of: 3 screws + 1 key**

Dimensions in mm

STUC R/L Approach angle 93°

ARNO Kofler



Right hand execution shown

2

Boring Bars - Steel Shank

Designation	d	h_1	h_2	l_1	l_2	f	D_{min}	PG	Indexable insert
S10K STUC R/L 09	10	4,5	9	125	11,3	6,9	12,5	8	**TC.. 0902..**
S12Q STUC R/L 11	12	5,5	11	180	13,9	8,9	16,0	8	**TC.. 1102..**
S16R STUC R/L 16	16	7,5	15	200	23,4	10,9	21,0	8	**TC.. 16T3..**
S20S STUC R/L 16	20	9,0	18	250	27,8	12,9	25,0	8	**TC.. 16T3..**
S25T STUC R/L 16	25	11,5	23	300	34,1	16,9	31,5	8	**TC.. 16T3..**
S32U STUC R/L 16	32	18,0	30	350	37,9	21,9	40,0	8	**TC.. 16T3..**

Boring Bars - Steel Shank with Coolant Through

Designation	d	h_1	h_2	l_1	l_2	f	D_{min}	PG	Indexable insert
A10H STUC R/L 09	10	4,5	9,0	100	11,3	6,9	12,5	8	**TC.. 0902..**
A12K STUC R/L 11	12	5,5	11,0	125	13,9	8,9	16,0	8	**TC.. 1102..**
A16M STUC R/L 16	16	7,5	15,0	150	23,4	10,9	21,0	8	**TC.. 16T3..**
A20Q STUC R/L 16	20	9,0	18,0	180	27,8	12,9	25,0	8	**TC.. 16T3..**
A25R STUC R/L 16	25	11,5	23,0	200	34,1	16,9	31,5	8	**TC.. 16T3..**
A32S STUC R/L 16	32	18,0	30,0	250	37,9	21,9	40,0	8	**TC.. 16T3..**

Spare Parts

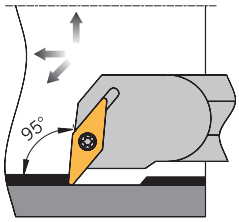
For boring bar	Support pad	Bushing	Screw	Key	Spare part set ❹
A08F STUC R 06	–	–	SS 5140	KS 1886	–
S10K STUC R/L 09	–	–	SS 5151	KS 5151	S 5151
S12Q STUC R/L 11	–	–	SS 1751	KS 1751	S 1751
S16R STUC R/L 16	–	–	SS 1114	KS 1111	S 1114
S20S STUC R/L 16	–	–	SS 1111	KS 1111	S 1111
S25T STUC R/L 16	–	–	SS 1111	KS 1111	S 1111
S32U STUC R/L 16	US 5511	GBS 1111	SS 1111	KS 1115	S 5516

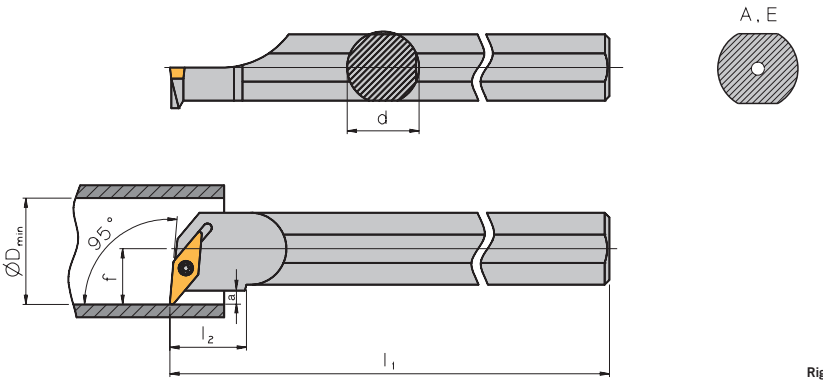
❹ Spare part set consists of: 3 screws + 1 key. Depending on type of toolholder also 1 support pad + 1 bushing

Dimensions in mm

SVLC R/L Approach angle 95°

ARNO Kofler





Right hand execution shown

Boring Bars - Steel Shank

Designation	d	a	l_1	l_2	f	D_{min}	PG	Indexable insert
S10H SVLC R/L 07	10	5	100	22	7	12,5	8	VC.. 0702..
S12K SVLC R/L 07	12	6	125	28	9	15,5	8	VC.. 0702..
S16M SVLC R/L 07	16	5	150	36	11	19,5	8	VC.. 0702..

Boring Bars - Steel Shank with Coolant Through

Designation	d	a	l_1	l_2	f	D_{min}	PG	Indexable insert
A10H SVLC R/L 07	10	5	100	22	7	12,5	8	VC.. 0702..
A12K SVLC R/L 07	12	6	125	28	9	15,5	8	VC.. 0702..
A16M SVLC R/L 07	16	5	150	36	11	19,5	8	VC.. 0702..

Boring Bars - Carbide Shank with Coolant Through

Designation	d	a	l_1	l_2	f	D_{min}	PG	Indexable insert
E10H SVLC R/L 07	10	5	100	32	7	12,5	30	VC.. 0702..
E12K SVLC R/L 07	12	6	125	40	9	15,5	30	VC.. 0702..
E16M SVLC R/L 07	16	5	150	55	11	19,5	30	VC.. 0702..

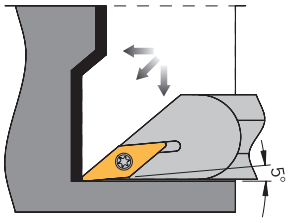
Spare Parts

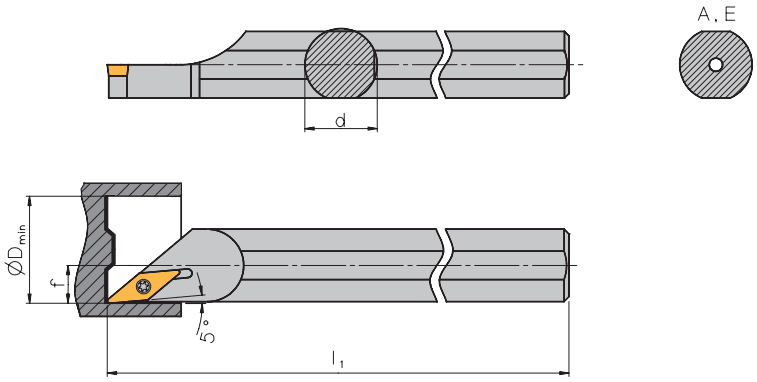
For boring bar	Screw	Key
.. SVLC R/L 07	SS 5140	KS 1886

Dimensions in mm

SVOC R/L Approach angle 95°

ARNO Kofler





Right hand execution shown

2

Boring Bars - Steel Shank with Coolant Through

Designation	d	l_1	f	D_{min}	PG	Indexable insert
A10H SVOC R/L 07	10	100	5,5	13	8	**VC.. 0702..**
A12K SVOC R/L 07	12	125	6,5	13	8	**VC.. 0702..**
A16M SVOC R/L 11	16	150	8,5	17	8	**VC.. 1103..**
A20Q SVOC R/L 11	20	180	10,5	22	8	**VC.. 1103..**
A25R SVOC R/L 11	25	200	13,0	26	8	**VC.. 1103..**
A32S SVOC R/L 16	32	250	16,5	38	8	**VC.. 1604..**
A40T SVOC R/L 16	40	300	21,0	42	8	**VC.. 1604..**

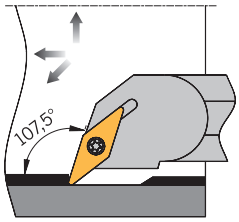
Spare Parts

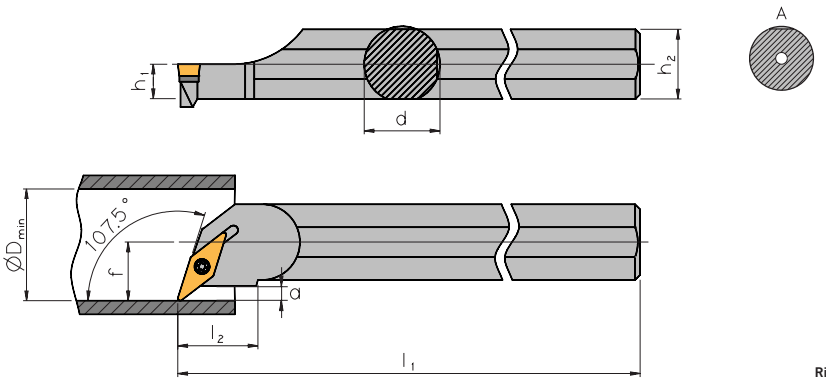
For boring bar	Screw	Key	Spare part set ❹
.. SVOC R/L 07	SS 5140	KS 1886	–
.. SVOC R/L 11	SS 1751	KS 1751	S 1751
.. SVOC R/L 16	SS 1111	KS 1115	S 6527

❹ Spare part set consists of: 3 screws + 1 key

SVQC R/L Approach angle 107,5°

ARNO Kofler





Right hand execution shown

2

Boring Bars - Steel Shank

Designation	d	h_1	h_2	l_1	l_2	f	a	D_{min}	PG	Indexable insert
S16R SVQC R/L 11	16	7,5	15	200	16,5	11	2,9	21,0	8	**VC.. 1103..**
S20S SVQC R/L 11	20	9,0	18	250	20,5	13	2,9	25,0	8	**VC.. 1103..**
S25T SVQC R/L 11	25	11,5	23	300	25,5	17	4,4	31,5	8	**VC.. 1103..**
S32U SVQC R/L 16	32	15,0	30	350	33,5	22	5,9	40,0	8	**VC.. 1604..**
S40V SVQC R/L 16	40	18,5	37	400	40,0	27	6,9	49,0	8	**VC.. 1604..**

Boring Bars - Steel Shank with Coolant Through

Designation	d	h_1	h_2	l_1	l_2	f	a	D_{min}	PG	Indexable insert
A16M SVQC R/L 11	16	8,0	15,5	150	16,5	11	2,9	21,0	8	**VC.. 1103..**
A20Q SVQC R/L 11	20	10,0	19,0	180	20,5	13	2,9	25,0	8	**VC.. 1103..**
A25R SVQC R/L 11	25	12,5	24,0	200	25,5	17	4,3	31,5	8	**VC.. 1103..**
A32S SVQC R/L 16	32	16,0	31,0	250	33,5	22	5,9	40,0	8	**VC.. 1604..**
A40T SVQC R/L 16	40	20,0	38,5	300	40,0	27	6,9	49,0	8	**VC.. 1604..**

Remark: A-execution with cylindrical part at the end of the shank

Spare Parts

For boring bar	Support pad	Bushing	Screw	Key	Spare part set ❹
.. SVQC R/L 11	–	–	SS 1751	KS 1751	S 1751
.. SVQC R/L 16	US 6522 ❶ / US 6523 ❷	GBS 1111	SS 1111	KS 1115	S 6527 ❶ / S 6528 ❷

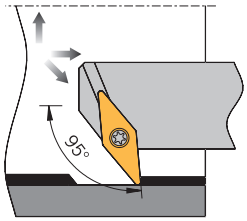
❶ For indexable inserts with 0,8mm radius

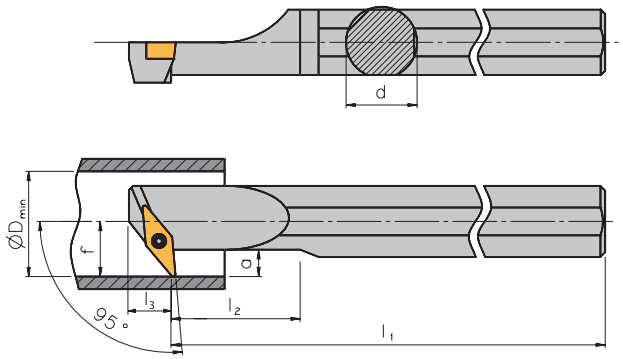
❷ For indexable inserts with 1,2mm radius

❹ Spare part set consists of: 3 screws + 1 key. Depending on type of toolholder also 1 support pad + 1 bushing

SV95C R/L Approach angle 95°

ARNO Kofler





Right hand execution shown

2

Boring Bars - Steel Shank

Designation	d	a	l_1	l_2	l_3	f	D_{min}	PG	Indexable insert
S10H SV95C R/L 07	10	5	100	22	7,3	7	12,5	8	**VC.. 0702..**
S12K SV95C R/L 07	12	6	125	28	6,5	9	15,5	8	**VC.. 0702..**
S16M SV95C R/L 07	16	5	150	36	7,0	11	17,5	8	**VC.. 0702..**

Boring Bars - Steel Shank with Coolant Through

Designation	d	a	l_1	l_2	l_3	f	D_{min}	PG	Indexable insert
A10H SV95C R/L 07	10	5	100	22	7,3	7	12,5	8	**VC.. 0702..**
A12K SV95C R/L 07	12	6	125	28	6,5	9	15,5	8	**VC.. 0702..**
A16M SV95C R/L 07	16	5	150	36	7,0	11	17,5	8	**VC.. 0702..**

Boring Bars - Carbide Shank with Coolant Through

Designation	d	a	l_1	l_2	l_3	f	D_{min}	PG	Indexable insert
E10H SV95C R/L 07	10	5	100	32	7,3	7	12,5	30	**VC.. 0702..**
E12K SV95C R/L 07	12	6	125	40	6,5	9	15,5	30	**VC.. 0702..**
E16M SV95C R/L 07	16	5	150	55	7,0	11	17,5	30	**VC.. 0702..**

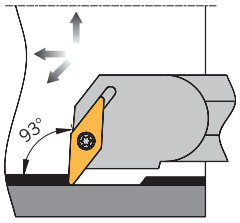
Spare Parts

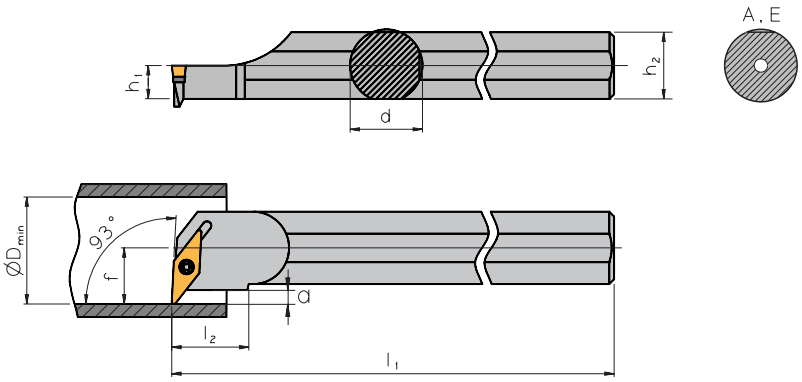
For boring bar	Screw	Key
.. SV95C R/L 07	SS 5140	KS 1886

Dimensions in mm

SVUC R/L Approach angle 93°

ARNO Kofler





Right hand execution shown

Boring Bars - Steel Shank

Designation	d	h_1	h_2	l_1	l_2	f	a	D_{min}	PG	Indexable insert
S16R SVUC R/L 11	16	7,5	15	200	16,5	11	3,1	21,0	8	VC.. 1103..
S20S SVUC R/L 11	20	9,0	18	250	20,5	13	3,1	25,0	8	VC.. 1103..
S25T SVUC R/L 11	25	11,5	23	300	25,5	17	4,4	31,5	8	VC.. 1103..
S32U SVUC R/L 16	32	15,0	30	350	33,5	22	5,9	40,0	8	VC.. 1604..
S40V SVUC R/L 16	40	18,5	37	400	40,0	27	7,1	49,0	8	VC.. 1604..

Boring Bars - Steel Shank with Coolant Through

Designation	d	h_1	h_2	l_1	l_2	f	a	D_{min}	PG	Indexable insert
A16M SVUC R/L 11	16	8,0	15,5	150	16,5	11	3,1	21,0	8	VC.. 1103..
A20Q SVUC R/L 11	20	10,0	19,0	180	20,5	13	3,1	25,0	8	VC.. 1103..
A25R SVUC R/L 11	25	12,5	24,0	200	25,5	17	4,3	31,5	8	VC.. 1103..
A32S SVUC R/L 16	32	16,0	31,0	250	33,5	22	5,9	40,0	8	VC.. 1604..
A40T SVUC R/L 16	40	20,0	38,5	300	40,0	27	7,1	49,0	8	VC.. 1604..

Remark: A-execution with cylindrical part at the end of the shank

Boring Bars - Carbide Shank with Coolant Through

Designation	d	h_1	h_2	l_1	l_2	f	a	D_{min}	PG	Indexable insert
E16R SVUC R/L 11	16	8,0	15,5	200	16,5	11	2,9	21,0	30	VC.. 1103..
E20S SVUC R/L 11	20	10,0	19,0	250	20,5	13	2,9	25,0	30	VC.. 1103..
E25T SVUC R/L 11	25	12,5	24,0	300	25,5	17	4,3	31,5	30	VC.. 1103..

Spare Parts

For boring bar	Support pad	Bushing	Screw	Key	Spare part set ❹
.. 16-25.. SVUC R/L 11	–	–	SS 1751	KS 1751	S 1751
.. 32-40.. SVUC R/L 16	US 6522 ❶ / US 6523 ❷	GBS 1111	SS 1111	KS 1115	S 6527 ❶ / S 6528 ❷

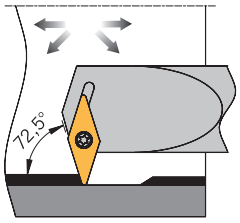
❶ For indexable inserts with 0,8mm radius

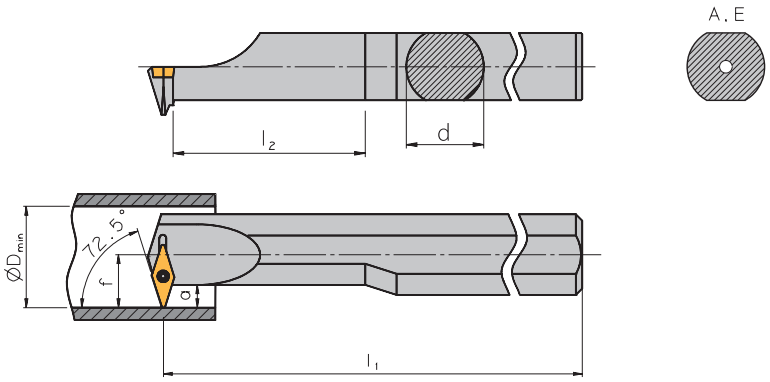
❷ For indexable inserts with 1,2mm radius

❹ Spare part set consists of: 3 screws + 1 key. Depending on type of toolholder also 1 support pad + 1 bushing

SVVC R/L Approach angle 72,5°

ARNO Kofler





Right hand execution shown

2

Boring Bars - Steel Shank

Designation	d	a	l_1	l_2	f	D_{min}	PG	Indexable insert
S10H SVVC R/L 07	10	6	100	22	8	13,5	**8**	**VC.. 0702..**
S12K SVVC R/L 07	12	6	125	28	9	15,5	**8**	**VC.. 0702..**
S16M SVVC R/L 07	16	5	150	36	11	17,5	**8**	**VC.. 0702..**

Boring Bars - Steel Shank with Coolant Through

Designation	d	a	l_1	l_2	f	D_{min}	PG	Indexable insert
A10H SVVC R/L 07	10	6	100	22	8	13,5	**8**	**VC.. 0702..**
A12K SVVC R/L 07	12	6	125	28	9	15,5	**8**	**VC.. 0702..**
A16M SVVC R/L 07	16	5	150	36	11	17,5	**8**	**VC.. 0702..**

Boring Bars - Carbide Shank with Coolant Through

Designation	d	a	l_1	l_2	f	D_{min}	PG	Indexable insert
E10H SVVC R/L 07	10	6	100	32	8	13,5	**30**	**VC.. 0702..**
E12K SVVC R/L 07	12	6	125	40	9	15,5	**30**	**VC.. 0702..**
E16M SVVC R/L 07	16	5	150	55	11	17,5	**30**	**VC.. 0702..**

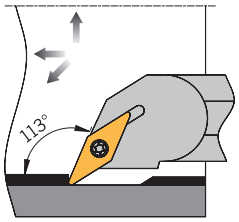
Spare Parts

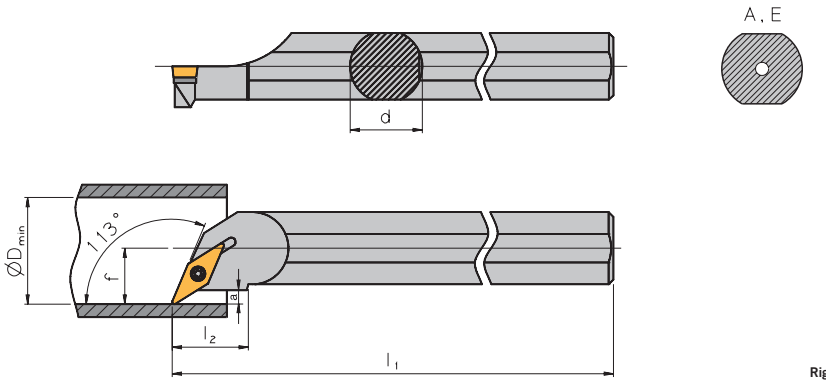
For boring bar	Screw	Key
.. SVVC R/L 07	SS 5140	KS 1886

Dimensions in mm

SVXC R/L Approach angle 113°

ARNO Kofler





Right hand execution shown

2

Boring Bars - Steel Shank

Designation	d	a	l_1	l_2	f	D_{min}	PG	Indexable insert
S10H SVXC R/L 07	10	3	100	22	7	12,5	8	VC.. 0702..
S12K SVXC R/L 07	12	3	125	28	9	15,5	8	VC.. 0702..
S16M SVXC R/L 07	16	3	150	36	11	19,5	8	VC.. 0702..

Boring Bars - Steel Shank with Coolant Through

Designation	d	a	l_1	l_2	f	D_{min}	PG	Indexable insert
A10H SVXC R/L 07	10	3	100	22	7	12,5	8	VC.. 0702..
A12K SVXC R/L 07	12	3	125	28	9	15,5	8	VC.. 0702..
A16M SVXC R/L 07	16	3	150	36	11	19,5	8	VC.. 0702..

Boring Bars - Carbide Shank with Coolant Through

Designation	d	a	l_1	l_2	f	D_{min}	PG	Indexable insert
E10H SVXC R/L 07	10	3	100	32	7	12,5	30	VC.. 0702..
E12K SVXC R/L 07	12	3	125	40	9	15,5	30	VC.. 0702..
E16M SVXC R/L 07	16	3	150	55	11	19,5	30	VC.. 0702..

Spare Parts

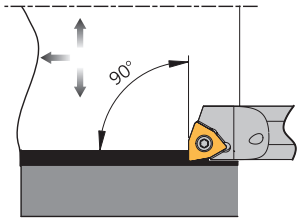
For boring bar	Screw	Key
.. SVXC R/L 07	SS 5140	KS 1886

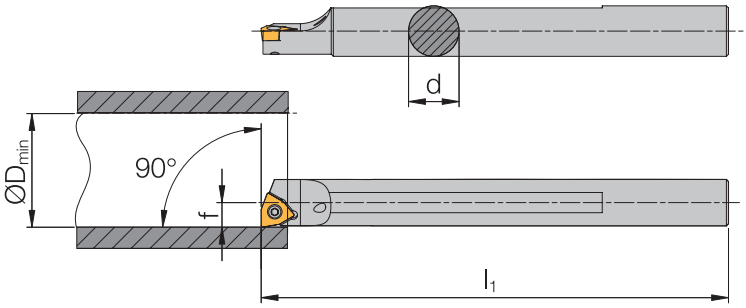
Dimensions in mm

SWFC R/L Approach angle 90°

ARNO Kofler

CNC Auto Lathes





A, E

Right hand execution shown

2

Boring Bars - Steel Shank with Coolant Through

Designation	d	l_1	f	D_{min}	PG	Indexable insert
A08F SWFC R/L 04-A	8	80	4,3	8,5	**8**	**WC.. 0402..**
A10H SWFC R/L 04-A	10	100	5,3	10,4	**8**	**WC.. 0402..**
A12K SWFC R/L 04-A	12	125	6,3	12,5	**8**	**WC.. 0402..**
A16M SWFC R/L 06-A	16	150	8,8	16,5	**8**	**WC.. 06T3..**

Remark: A-execution with cylindrical part at the end of the shank

Boring Bars - Carbide Shank with Coolant Through

Designation	d	l_1	f	D_{min}	PG	Indexable insert
E08H SWFC R/L 04-A	8	100	4,3	8,5	**30**	**WC.. 0402..**
E10K SWFC R/L 04-A	10	125	5,3	10,4	**30**	**WC.. 0402..**
E12Q SWFC R/L 04-A	12	180	6,3	12,5	**30**	**WC.. 0402..**
E16R SWFC R/L 06-A	16	200	8,8	16,5	**30**	**WC.. 06T3..**

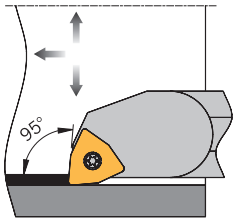
Spare Parts

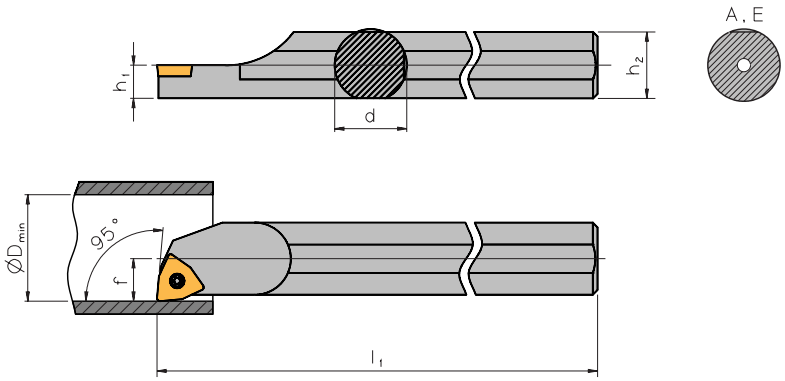
For boring bar	Screw	Key	Spare part set ❹
.. 08-12.. SWFC R/L 04-A	SS 1751	KS 1751	S 1751
.. 16.. SWFC R/L 06-A	SS 1111	KS 1111	S 1111

❹ Spare part set consists of: 3 screws + 1 key

SWLC R/L Approach angle 95°

ARNO Kofler





Right hand execution shown

Boring Bars - Steel Shank

Designation	d	h_1	h_2	l_1	f	D_{min}	PG	Indexable insert
S08H SWLC R/L 04	8	3,5	7	100	5	11,0	8	WC.. 0402..
S10K SWLC R/L 04	10	4,5	9	125	7	14,0	8	WC.. 0402..
S12Q SWLC R/L 04	12	5,5	11	180	9	17,0	8	WC.. 0402..
S16R SWLC R/L 06	16	7,5	15	200	11	21,0	8	WC.. 06T3..
S20S SWLC R/L 06	20	9,0	18	250	13	25,0	8	WC.. 06T3..
S25T SWLC R/L 06	25	11,5	23	300	17	31,5	8	WC.. 06T3..
S32U SWLC R/L 08	32	15,0	30	350	22	40,0	8	WC.. 0804..
S40V SWLC R/L 08	40	18,5	37	400	27	49,0	8	WC.. 0804..

Boring Bars - Steel Shank with Coolant Through

Designation	d	h_1	h_2	l_1	f	D_{min}	PG	Indexable insert
A08F SWLC R/L 04	8	4,0	7,5	80	5	11,0	8	WC.. 0402..
A10H SWLC R/L 04	10	5,0	9,5	100	7	14,0	8	WC.. 0402..
A12K SWLC R/L 04	12	6,0	11,5	125	9	17,0	8	WC.. 0402..
A16M SWLC R/L 06	16	8,0	15,5	150	11	21,0	8	WC.. 06T3..
A20Q SWLC R/L 06	20	10,0	19,0	180	13	25,0	8	WC.. 06T3..
A25R SWLC R/L 06	25	12,5	24,0	200	17	31,5	8	WC.. 06T3..
A32S SWLC R/L 08	32	16,0	31,0	250	22	40,0	8	WC.. 0804..
A40T SWLC R/L 08	40	20,0	38,5	300	27	49,0	8	WC.. 0804..

Remark: A-execution with cylindrical part at the end of the shank

Boring Bars - Carbide Shank with Coolant Through

Designation	d	h_1	h_2	l_1	f	D_{min}	PG	Indexable insert
E08H SWLC R/L 04	8	4,0	7,5	100	5	11,0	30	WC.. 0402..
E10K SWLC R/L 04	10	5,0	9,5	125	7	14,0	30	WC.. 0402..
E12Q SWLC R/L 04	12	6,0	11,5	180	9	17,0	30	WC.. 0402..
E16R SWLC R/L 06	16	8,0	15,5	200	11	21,0	30	WC.. 06T3..
E20S SWLC R/L 06	20	10,0	19,0	250	13	25,0	30	WC.. 06T3..
E25T SWLC R/L 06	25	12,5	24,0	300	17	31,5	30	WC.. 06T3..

Spare Parts

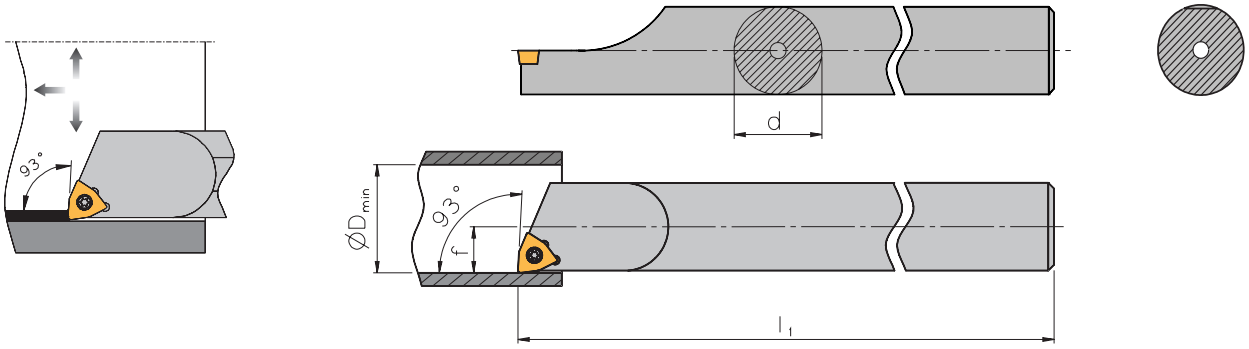
For boring bar	Support pad	Bushing	Screw	Key	Spare part set ❹
.. 08-12.. SWLC R/L 04	–	–	SS 1751	KS 1751	S 1751
.. 16-25.. SWLC R/L 06	–	–	SS 1111	KS 1111	S 1111
.. 32-40.. SWLC R/L 08	US 8821	GBS 1221	SS 1221	KS 1115	S 8821

❹ Spare part set consists of: 3 screws + 1 key. Depending on type of toolholder also 1 support pad + 1 bushing

Dimensions in mm

SWUC R/L Approach angle 93°

ARNO Kofler



Right hand execution shown

2

Boring Bars - Carbide Shank with Coolant Through

Designation	d	l_1	f	D_{min}	PG	Indexable insert
E05F SWUC R/L 02	5	85	2,9	5,8	30	**WC.. 0201..**
E06G SWUC R/L 02	6	95	3,9	7,8	30	**WC.. 0201..**

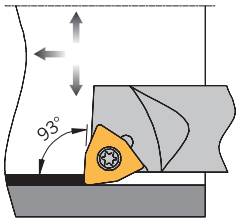
Spare Parts

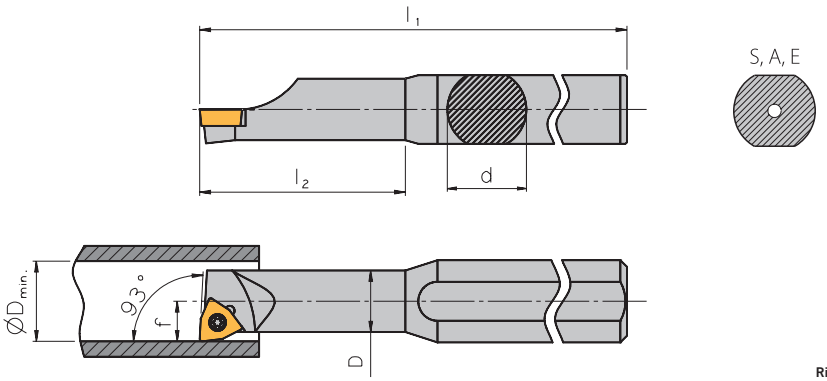
For boring bar	Screw	Key
.. SWUC R/L 02	T 2.03	KS 1886

Dimensions in mm

SWUC R/L Approach angle 93°

ARNO Kofler





Right hand execution shown

Boring Bars - Recessed Steel Shank

Designation	d	D	l_1	l_2	f	D_{min}	PG	Indexable insert
S0508H SWUC R/L 02	8	5	100	18	2,9	5,8	8	WC.. 0201..
S0608H SWUC R/L 02	8	6	100	24	3,9	7,8	8	WC.. 0201..

Boring Bars - Recessed Steel Shank with Coolant Through

Designation	d	D	l_1	l_2	f	D_{min}	PG	Indexable insert
A0508H SWUC R/L 02	8	5	100	18	2,9	5,8	8	WC.. 0201..
A0608H SWUC R/L 02	8	6	100	24	3,9	7,8	8	WC.. 0201..

Boring Bars - Recessed Carbide Shank with Coolant Through

Designation	d	D	l_1	l_2	f	D_{min}	PG	Indexable insert
E0508H SWUC R/L 02	8	5	100	24	2,9	5,8	30	WC.. 0201..
E0608H SWUC R/L 02	8	6	100	32	3,9	7,8	30	WC.. 0201..

Spare Parts

For boring bar	Screw	Key
.. SWUC R/L 02	T 2.03	KS 1886

Dimensions in mm

2

Set 1

Adjustable from 0,6 Nm – 1,5 Nm

1 Torque screwdriver
1/ea Bit Torx T6, Torx T7, Torx T8 and Torx T9
1 Adjustment key

(Order as: SET-TORQUE 1)

Set 2

Adjustable from 1,5 Nm – 3,0 Nm

1 Torque screwdriver
1/ea Bit Torx T9, Torx T10 and Torx T15
1 Adjustment key

(Order as: SET-TORQUE 2)

Set 3

Adjustable from 3,0 Nm – 5,4 Nm

1 Torque screwdriver
1/ea Bit Torx T10, Torx T15 and Torx T20
1 Adjustment key

(Order as: SET-TORQUE 3)

Recommended torque settings for indexable inserts

Thread	Torx size	max. torque
M1,8	T6	0,6 Nm
M2	T6	0,6 Nm
M2	T7	0,6 Nm
M2,2	T6	1,0 Nm
M2,2	T7	1,0 Nm
M2,2	T8	1,3 Nm
M3	T8	2,2 Nm
M3	T9	2,2 Nm
M3,5	T15	3,4 Nm
M4	T15	5,1 Nm
M4,5	T20	6,2 Nm
M5	T20	6,2 Nm
M6	T25	8,1 Nm

ARNO® Mini-System
for Grooving, Turning and Chamfering

AMS – ARNO® MINI-SYSTEM

AMS – is a modular boring system starting at 2.5mm diameter with a maximum depth of 30mm

- Boring from Ø 2,5mm
- Grooving from 0,8mm width
- Full-radius grooving from R 0,5mm
- Back turning and chamfering
- Pre-grooving and chamfering
- Copy turning
- Thread turning starting at M4
- Face grooving from Ø 5mm

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