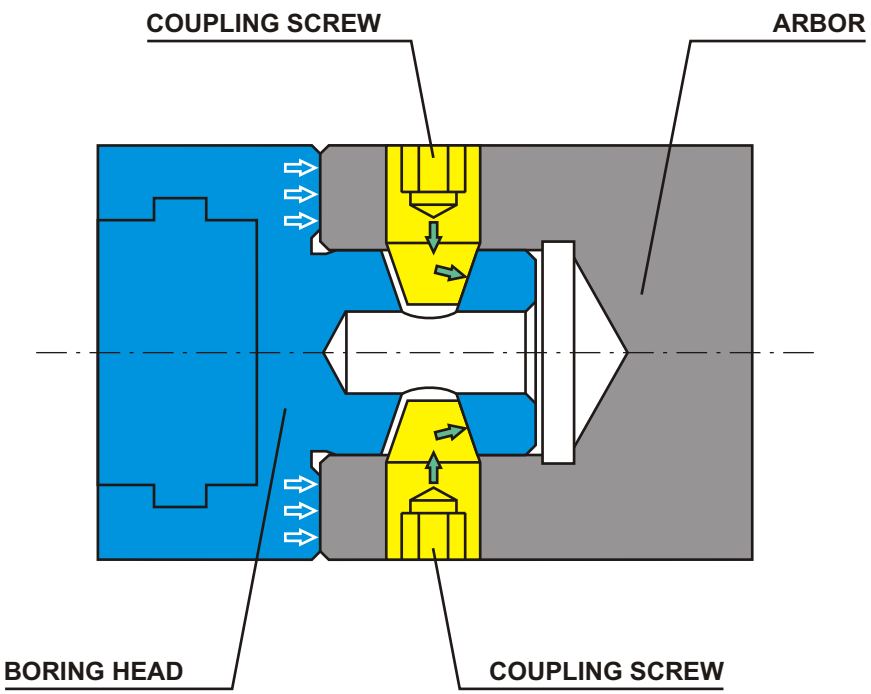
PINZBOHR®
BORING SYSTEM

Bohrstar 54

BORING KITS from Ø 6 mm up to 210 mm

Coupling system



HIGH RIGIDITY

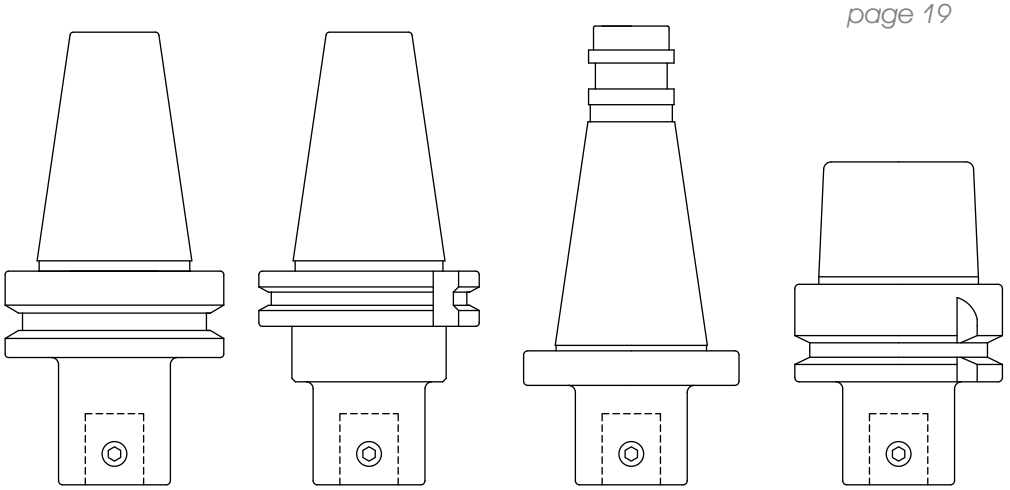
By tightening the two cone shaped coupling screws, high axial forces are developed in the tapered holes of the pilot shank. These axial forces preload the contact surface between the flange faces of the coupled components with high axial pressure for ample support against lateral loads. It can also dampen vibrations.

POSITIVE TOOL ORIENTATION

The locating pin guarantees repeat positioning between components at all times.

All arbors, extensions and reducers are shipped complete with coupling screws.

Application overview

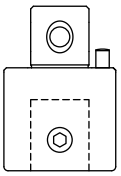


MAS BT 403
page 16

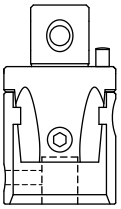
DIN 69871
page 17

DIN 2080
page 18

DIN 69893
HSK - A
page 19



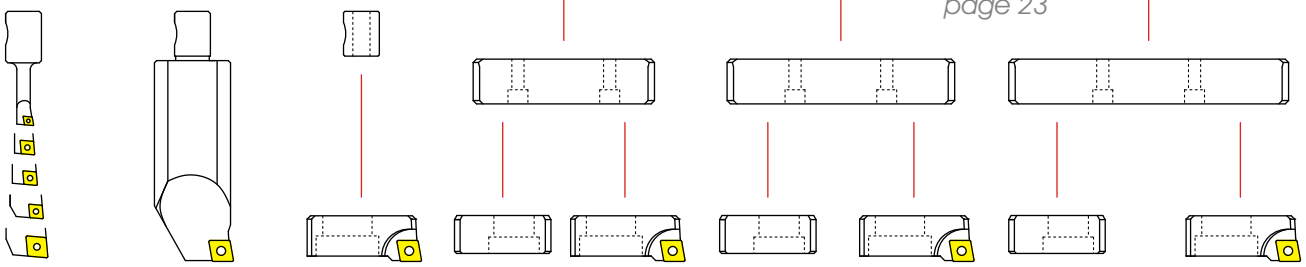
ACCESSORIES
page 20



BORING HEAD
page 20

BORING BARS
page 21

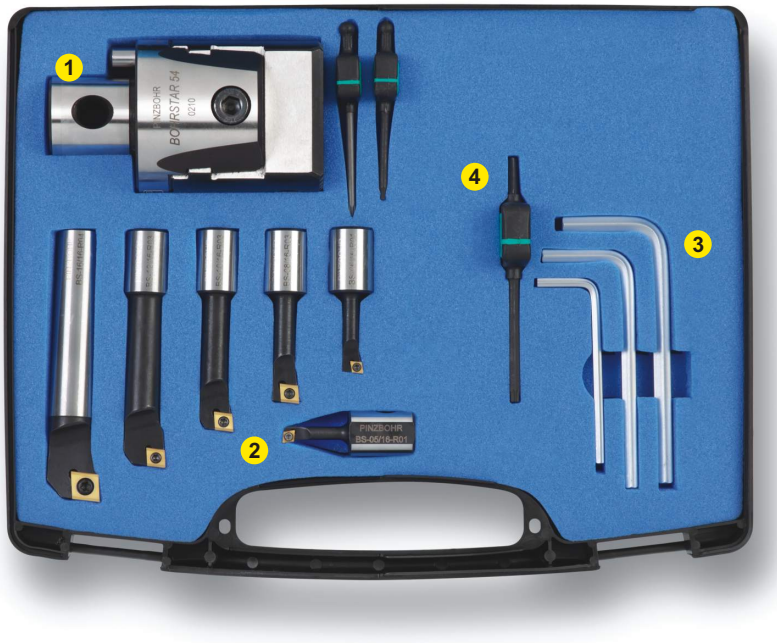
ALUMINIUM PLATES
page 23



CARTRIDGES
page 22

Bohrstar 54 KIT Ø 6 - 43

Rhombic insert

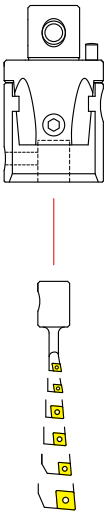


ORDERING NUMBER:

BS 54 KIT R 6-043

	Description	Product Number	Qty.
1	Bohrstar head	BS 054 16	1
	Boring bar 5 mm.	BS 05 16 R01	1
	Boring bar 6 mm.	BS 06 16 R01	1
2	Boring bar 8 mm.	BS 08 16 R03	1
	Boring bar 10 mm.	BS 10 16 R03	1
	Boring bar 12 mm.	BS 12 16 R03	1
	Boring bar 16 mm.	BS 16 16 R04	1

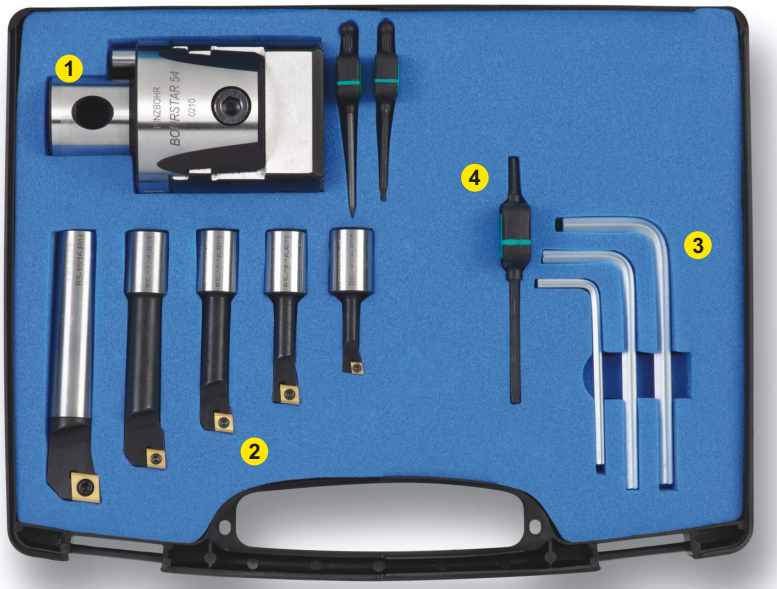
	Description	Product Number	Qty.
	Hexagonal key 3	HK 030	1
3	Hexagonal key 5	HK 050	1
	Hexagonal key 6	HK 060	1
	Torx key 6	TK 06	1
4	Torx key 8	TK 08	1
	Torx key 15	TK 15	1



From Ø 6
To Ø 43

Bohrstar 54 KIT Ø 8 - 43

Rhombic insert

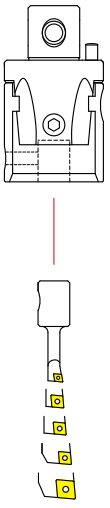


ORDERING NUMBER:

BS 54 KIT R 8-043

	Description	Product Number	Qty.
1	Bohrstar head	BS 054 16	1
	Boring bar 6 mm.	BS 06 16 R01	1
	Boring bar 8 mm.	BS 08 16 R03	1
2	Boring bar 10 mm.	BS 10 16 R03	1
	Boring bar 12 mm.	BS 12 16 R03	1
	Boring bar 16 mm.	BS 16 16 R04	1

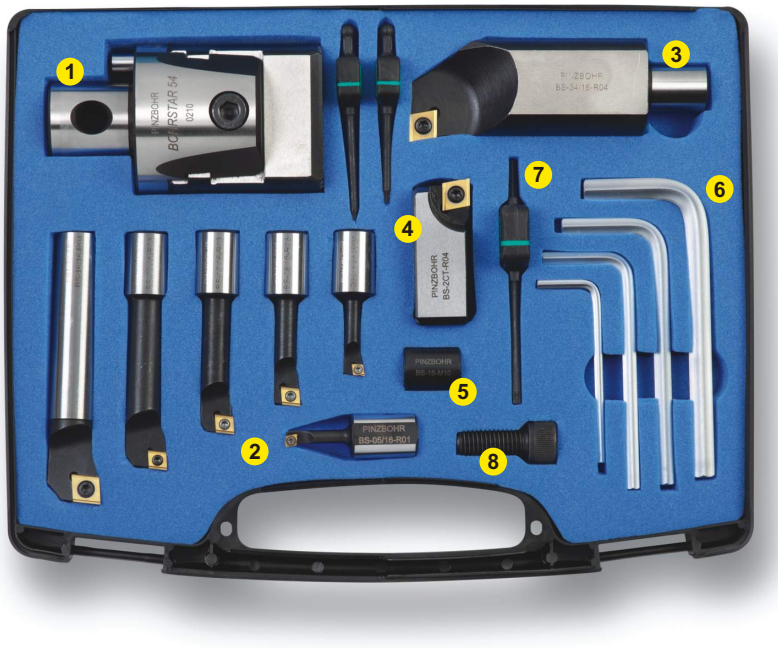
	Description	Product Number	Qty.
	Hexagonal key 3	HK 030	1
3	Hexagonal key 5	HK 050	1
	Hexagonal key 6	HK 060	1
	Torx key 6	TK 06	1
4	Torx key 8	TK 08	1
	Torx key 15	TK 15	1



From Ø 8
To Ø 43

Bohrstar 54 KIT Ø 6 - 100

Rhombic insert

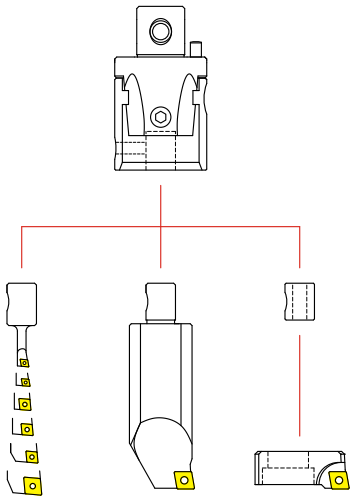


ORDERING NUMBER:

BS 54 KIT R 6-100

	Description	Product Number	Qty.
1	Bohrstar head	BS 054 16	1
	Boring bar 5 mm.	BS 05 16 R01	1
	Boring bar 6 mm.	BS 06 16 R01	1
2	Boring bar 8 mm.	BS 08 16 R03	1
	Boring bar 10 mm.	BS 10 16 R03	1
	Boring bar 12 mm.	BS 12 16 R03	1
	Boring bar 16 mm.	BS 16 16 R04	1
3	Boring bar 34 mm.	BS 34 16 R04	1
4	Cartridge	BS 2CT R04	1

	Description	Product Number	Qty.
5	Location sleeve	BS 16 M10	1
	Hexagonal key 3	HK 030	1
6	Hexagonal key 5	HK 050	1
	Hexagonal key 6	HK 060	1
	Hexagonal key 8	HK 080	1
	Torx key 6	TK 06	1
7	Torx key 8	TK 08	1
	Torx key 15	TK 15	1
8	Cartridge screw	CS 10 25	1



From	Ø 6	Ø 38	Ø 56
To	Ø 43	Ø 59	Ø 100

Bohrstar 54 KIT Ø 8 - 100

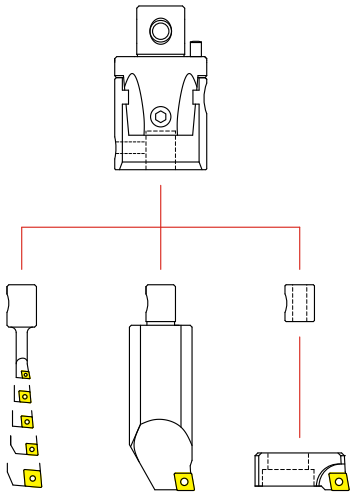
Rhombic insert

ORDERING NUMBER:

BS 54 KIT R 8-100

	Description	Product Number	Qty.
1	Bohrstar head	BS 054 16	1
	Boring bar 6 mm.	BS 06 16 R01	1
	Boring bar 8 mm.	BS 08 16 R03	1
2	Boring bar 10 mm.	BS 10 16 R03	1
	Boring bar 12 mm.	BS 12 16 R03	1
	Boring bar 16 mm.	BS 16 16 R04	1
3	Boring bar 34 mm.	BS 34 16 R04	1
4	Cartridge	BS 2CT R04	1
5	Location sleeve	BS 16 M10	1

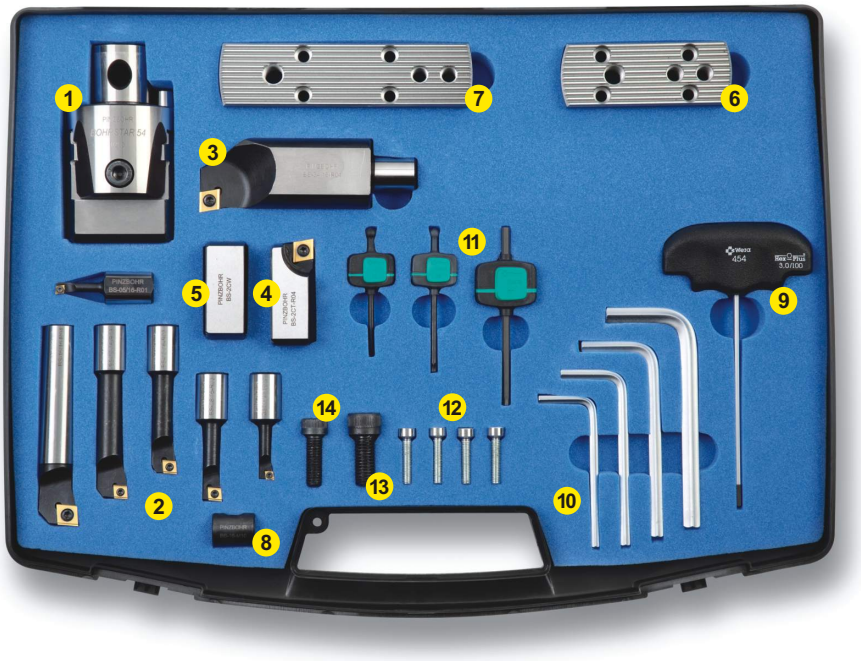
	Description	Product Number	Qty.
	Hexagonal key 3	HK 030	1
6	Hexagonal key 5	HK 050	1
	Hexagonal key 6	HK 060	1
	Hexagonal key 8	HK 080	1
	Torx key 6	TK 06	1
7	Torx key 8	TK 08	1
	Torx key 15	TK 15	1
8	Cartridge screw	CS 10 25	1



From	Ø 8	Ø 38	Ø 56
To	Ø 43	Ø 59	Ø 100

Bohrstar 54 KIT Ø 6 - 170

Rhombic insert

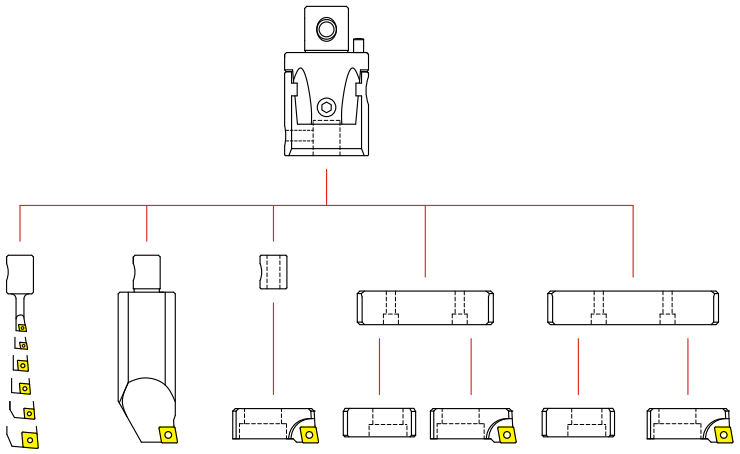


ORDERING NUMBER:

BS 54 KIT R 6-170

	Description	Product Number	Qty.
1	Bohrstar head	BS 054 16	1
2	Boring bar 5 mm.	BS 05 16 R01	1
	Boring bar 6 mm.	BS 06 16 R01	1
	Boring bar 8 mm.	BS 08 16 R03	1
	Boring bar 10 mm.	BS 10 16 R03	1
	Boring bar 12 mm.	BS 12 16 R03	1
	Boring bar 16 mm.	BS 16 16 R04	1
3	Boring bar 34 mm.	BS 34 16 R04	1
4	Cartridge	BS 2CT R04	1
5	Counterweight	BS 2CW	1
6	Small plate	BS SP 085 130	1
7	Medium plate	BS SP 125 170	1

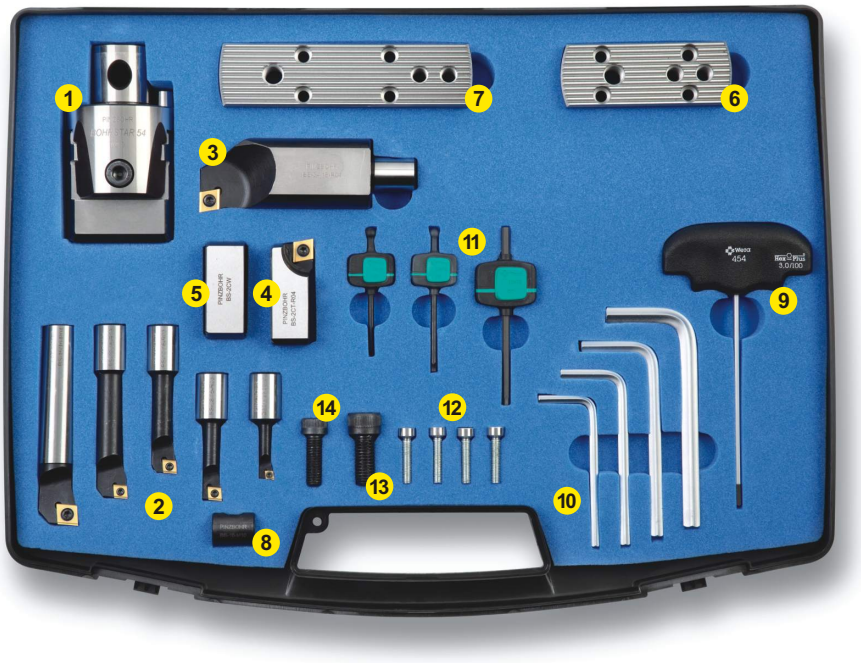
	Description	Product Number	Qty.
8	Location sleeve	BS 16 M10	1
9	Adjusting key	AK 030	1
10	Hexagonal key 4	HK 040	1
	Hexagonal key 5	HK 050	1
	Hexagonal key 6	HK 060	1
	Hexagonal key 8	HK 080	1
11	Torx key 6	TK 06	1
	Torx key 8	TK 08	1
	Torx key 15	TK 15	1
12	Plate fixing screws	D 027 21	4
13	Cartridge screw	CS 10 25	1
14	Counterweight screw	CS 08 25	1



From	Ø 6	Ø 38	Ø 56	Ø 85	Ø 125
To	Ø 43	Ø 59	Ø 100	Ø 130	Ø 170

Bohrstar 54 KIT Ø 8 - 170

Rhombic insert

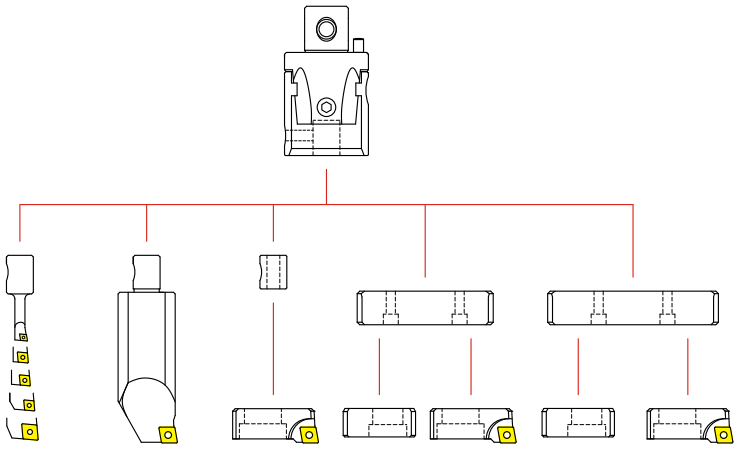


ORDERING NUMBER:

BS 54 KIT R 8-170

	Description	Product Number	Qty.
1	Bohrstar head	BS 054 16	1
	Boring bar 6 mm.	BS 06 16 R01	1
	Boring bar 8 mm.	BS 08 16 R03	1
2	Boring bar 10 mm.	BS 10 16 R03	1
	Boring bar 12 mm.	BS 12 16 R03	1
	Boring bar 16 mm.	BS 16 16 R04	1
3	Boring bar 34 mm.	BS 34 16 R04	1
4	Cartridge	BS 2CT R04	1
5	Counterweight	BS 2CW	1
6	Small plate	BS SP 085 130	1
7	Medium plate	BS SP 125 170	1
8	Location sleeve	BS 16 M10	1

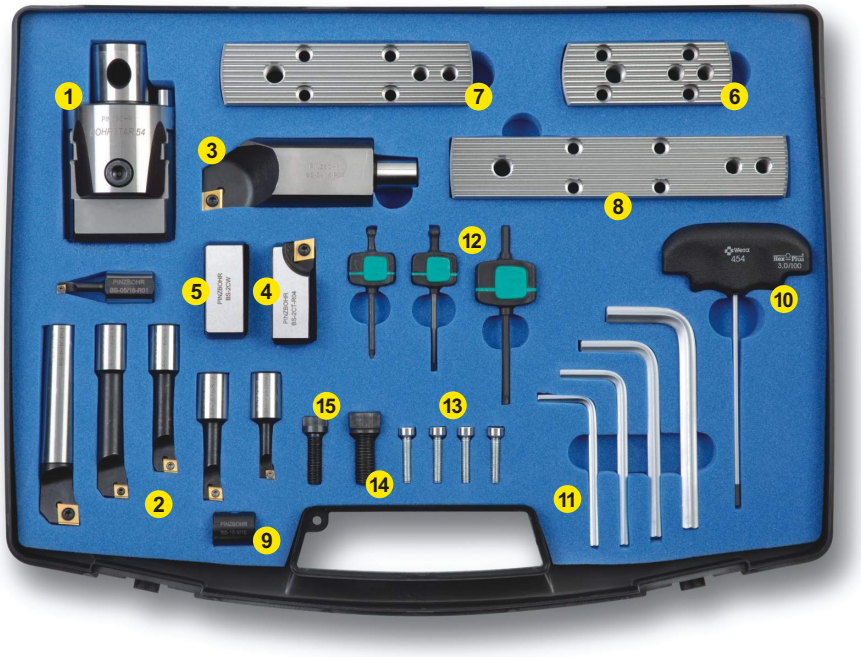
	Description	Product Number	Qty.
9	Adjusting key	AK 030	1
	Hexagonal key 4	HK 040	1
10	Hexagonal key 5	HK 050	1
	Hexagonal key 6	HK 060	1
	Hexagonal key 8	HK 080	1
11	Torx key 6	TK 06	1
	Torx key 8	TK 08	1
	Torx key 15	TK 15	1
12	Plate fixing screws	D 027 21	4
13	Cartridge screw	CS 10 25	1
14	Counterweight screw	CS 08 25	1



From	Ø 8	Ø 38	Ø 56	Ø 85	Ø 125
To	Ø 43	Ø 59	Ø 100	Ø 130	Ø 170

Bohrstar 54 KIT Ø 6 - 210

Rhombic insert

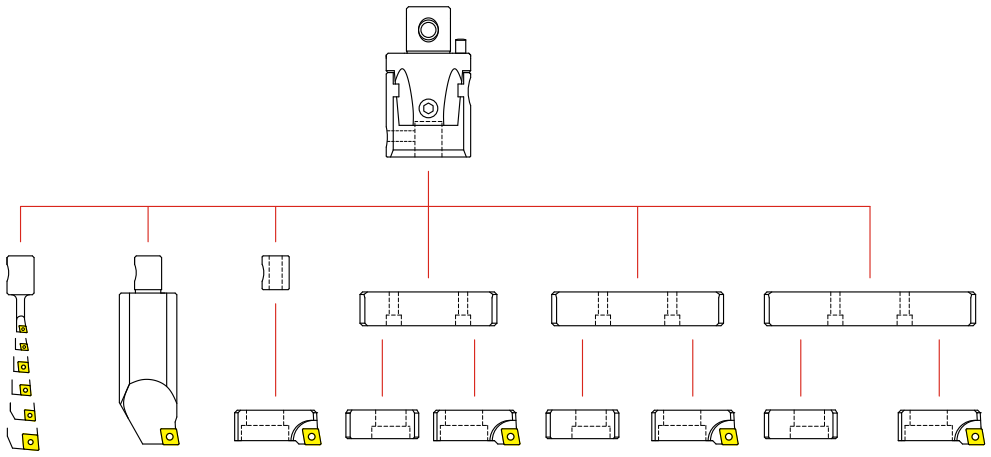


ORDERING NUMBER:

BS 54 KIT R 6-210

	Description	Product Number	Qty.
1	Bohrstar head	BS 054 16	1
2	Boring bar 5 mm.	BS 05 16 R01	1
	Boring bar 6 mm.	BS 06 16 R01	1
	Boring bar 8 mm.	BS 08 16 R03	1
	Boring bar 10 mm.	BS 10 16 R03	1
	Boring bar 12 mm.	BS 12 16 R03	1
	Boring bar 16 mm.	BS 16 16 R04	1
3	Boring bar 34 mm.	BS 34 16 R04	1
4	Cartridge	BS 2CT R04	1
5	Counterweight	BS 2CW	1
6	Small plate	BS SP 085 130	1
7	Medium plate	BS SP 125 170	1
8	Large plate	BS SP 165 210	1

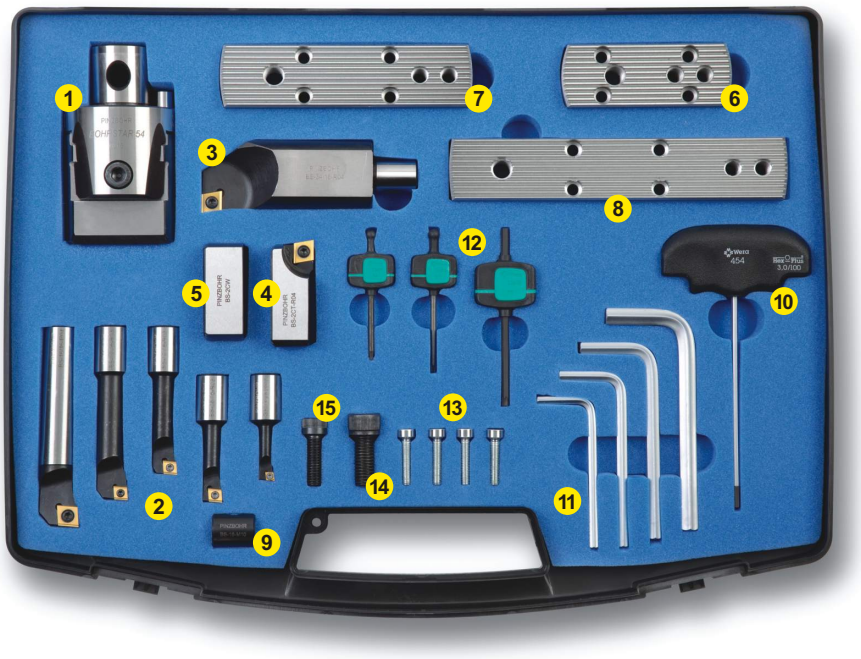
	Description	Product Number	Qty.
9	Location sleeve	BS 16 M10	1
10	Adjusting key	AK 030	1
11	Hexagonal key 4	HK 040	1
	Hexagonal key 5	HK 050	1
	Hexagonal key 6	HK 060	1
	Hexagonal key 8	HK 080	1
12	Torx key 6	TK 06	1
	Torx key 8	TK 08	1
	Torx key 15	TK 15	1
13	Plate fixing screws	D 027 21	4
14	Cartridge screw	CS 10 25	1
15	Counterweight screw	CS 08 25	1



From	Ø 6	Ø 38	Ø 56	Ø 85	Ø 125	Ø 165
To	Ø 43	Ø 59	Ø 100	Ø 130	Ø 170	Ø 210

Bohrstar 54 KIT Ø 8 - 210

Rhombic insert

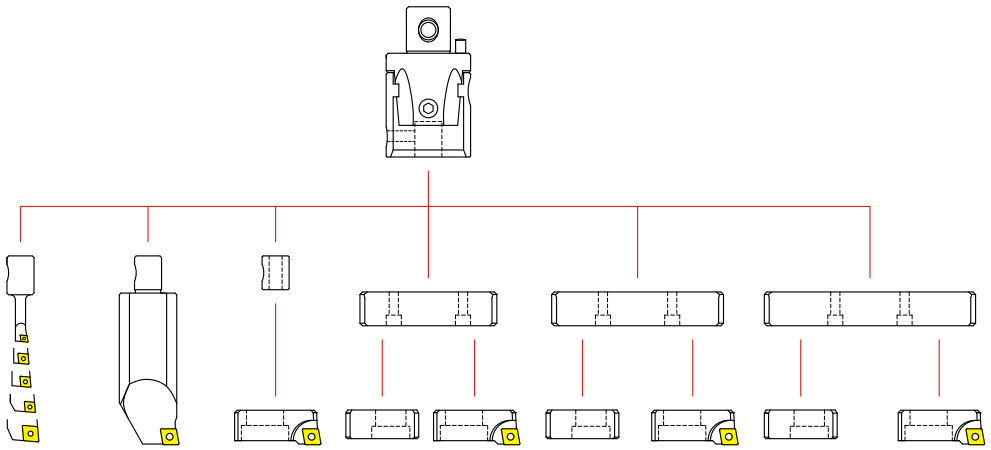


ORDERING NUMBER:

BS 54 KIT R 8-210

	Description	Product Number	Qty.
1	Bohrstar head	BS 054 16	1
	Boring bar 6 mm.	BS 06 16 R01	1
	Boring bar 8 mm.	BS 08 16 R03	1
2	Boring bar 10 mm.	BS 10 16 R03	1
	Boring bar 12 mm.	BS 12 16 R03	1
	Boring bar 16 mm.	BS 16 16 R04	1
3	Boring bar 34 mm.	BS 34 16 R04	1
4	Cartridge	BS 2CT R04	1
5	Counterweight	BS 2CW	1
6	Small plate	BS SP 085 130	1
7	Medium plate	BS SP 125 170	1
8	Large plate	BS SP 165 210	1

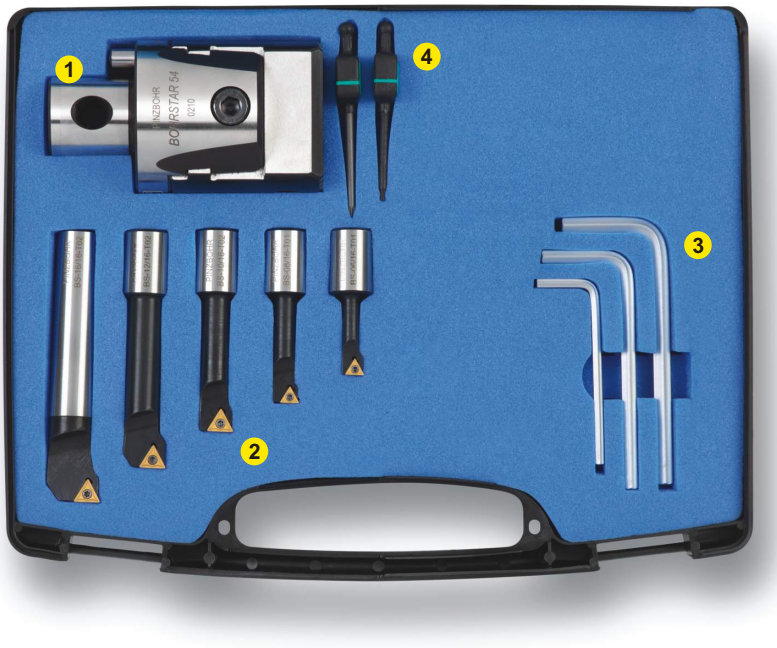
	Description	Product Number	Qty.
9	Location sleeve	BS 16 M10	1
10	Adjusting key	AK 030	1
	Hexagonal key 4	HK 040	1
11	Hexagonal key 5	HK 050	1
	Hexagonal key 6	HK 060	1
	Hexagonal key 8	HK 080	1
	Torx key 6	TK 06	1
12	Torx key 8	TK 08	1
	Torx key 15	TK 15	1
13	Plate fixing screws	D 027 21	4
14	Cartridge screw	CS 10 25	1
15	Counterweight screw	CS 08 25	1



From	Ø 8	Ø 38	Ø 56	Ø 85	Ø 125	Ø 165
To	Ø 43	Ø 59	Ø 100	Ø 130	Ø 170	Ø 210

Bohrstar 54 KIT Ø 8 - 43

Triangular insert

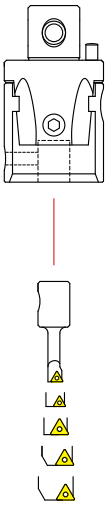


ORDERING NUMBER:

BS 54 KIT T 8-043

	Description	Product Number	Qty.
1	Bohrstar head	BS 054 16	1
	Boring bar 6 mm.	BS 06 16 T01	1
	Boring bar 8 mm.	BS 08 16 T01	1
2	Boring bar 10 mm.	BS 10 16 T02	1
	Boring bar 12 mm.	BS 12 16 T02	1
	Boring bar 16 mm.	BS 16 16 T02	1

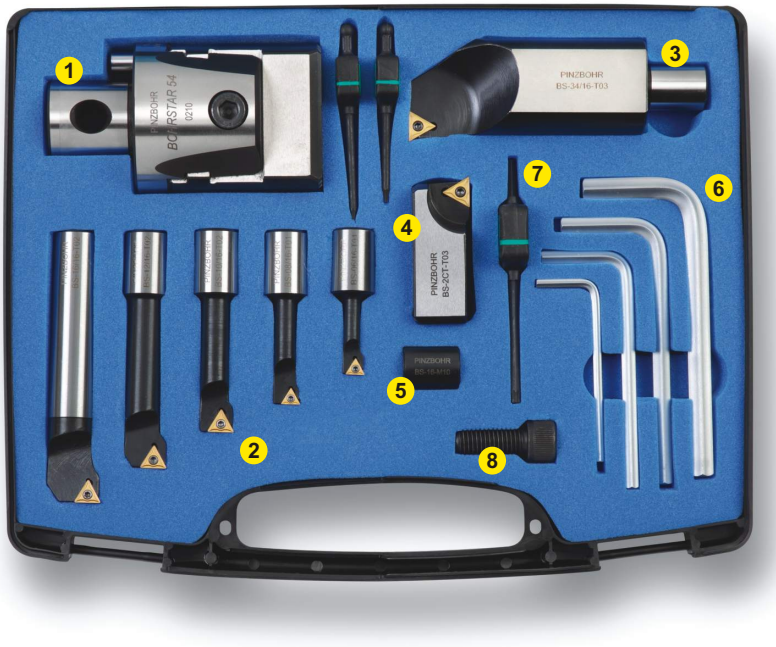
	Description	Product Number	Qty.
	Hexagonal key 3	HK 030	1
3	Hexagonal key 5	HK 050	1
	Hexagonal key 6	HK 060	1
	Torx key 6	TK 06	1
4	Torx key 7	TK 07	1



From Ø 8
To Ø 43

Bohrstar 54 KIT Ø 8 - 100

Triangular insert

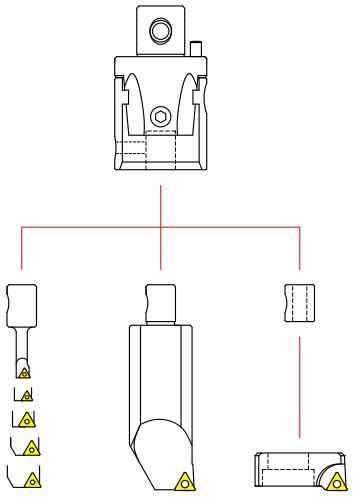


ORDERING NUMBER:

BS 54 KIT T 8-100

	Description	Product Number	Qty.
1	Bohrstar head	BS 054 16	1
	Boring bar 6 mm.	BS 06 16 T01	1
	Boring bar 8 mm.	BS 08 16 T01	1
2	Boring bar 10 mm.	BS 10 16 T02	1
	Boring bar 12 mm.	BS 12 16 T02	1
	Boring bar 16 mm.	BS 16 16 T02	1
3	Boring bar 34 mm.	BS 34 16 T03	1
4	Cartridge	BS 2CT T03	1
5	Location sleeve	BS 16 M10	1

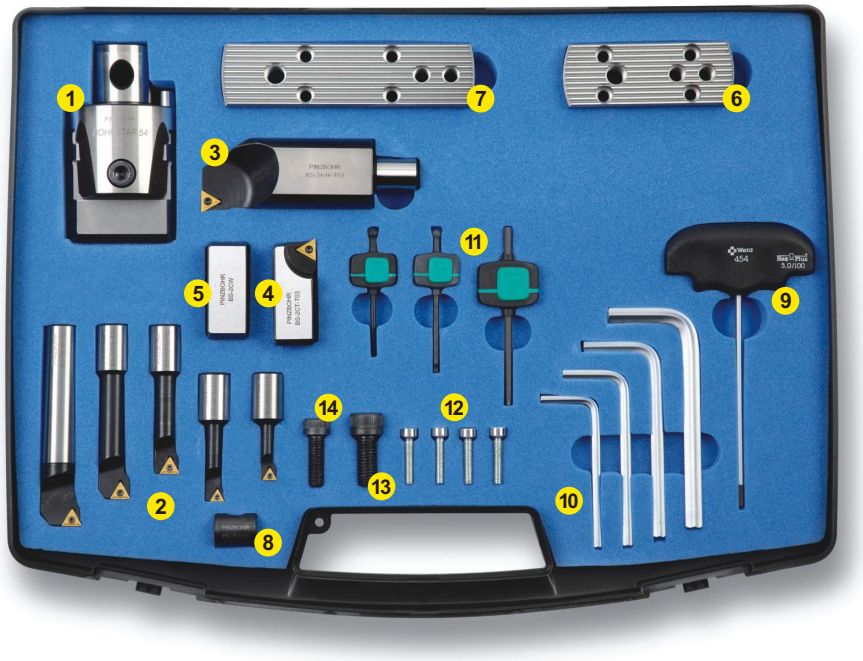
	Description	Product Number	Qty.
	Hexagonal key 3	HK 030	1
6	Hexagonal key 5	HK 050	1
	Hexagonal key 6	HK 060	1
	Hexagonal key 8	HK 080	1
	Torx key 6	TK 06	1
7	Torx key 7	TK 07	1
	Torx key 8	TK 08	1
8	Cartridge screw	CS 10 25	1



From	Ø 8	Ø 38	Ø 56
To	Ø 43	Ø 59	Ø 100

Bohrstar 54 KIT Ø 8 - 170

Triangular insert

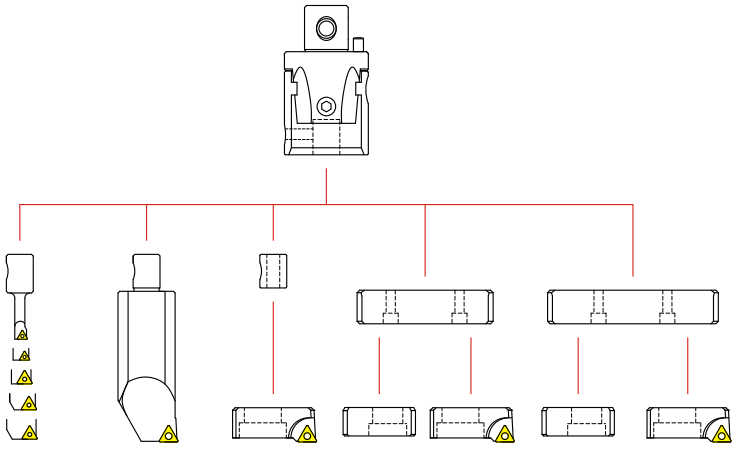


ORDERING NUMBER:

BS 54 KIT T 8-170

	Description	Product Number	Qty.
1	Bohrstar head	BS 054 16	1
	Boring bar 6 mm.	BS 06 16 T01	1
	Boring bar 8 mm.	BS 08 16 T01	1
2	Boring bar 10 mm.	BS 10 16 T02	1
	Boring bar 12 mm.	BS 12 16 T02	1
	Boring bar 16 mm.	BS 16 16 T02	1
3	Boring bar 34 mm.	BS 34 16 T03	1
4	Cartridge	BS 2CT T03	1
5	Counterweight	BS 2CW	1
6	Small plate	BS SP 085 130	1
7	Medium plate	BS SP 125 170	1
8	Location sleeve	BS 16 M10	1

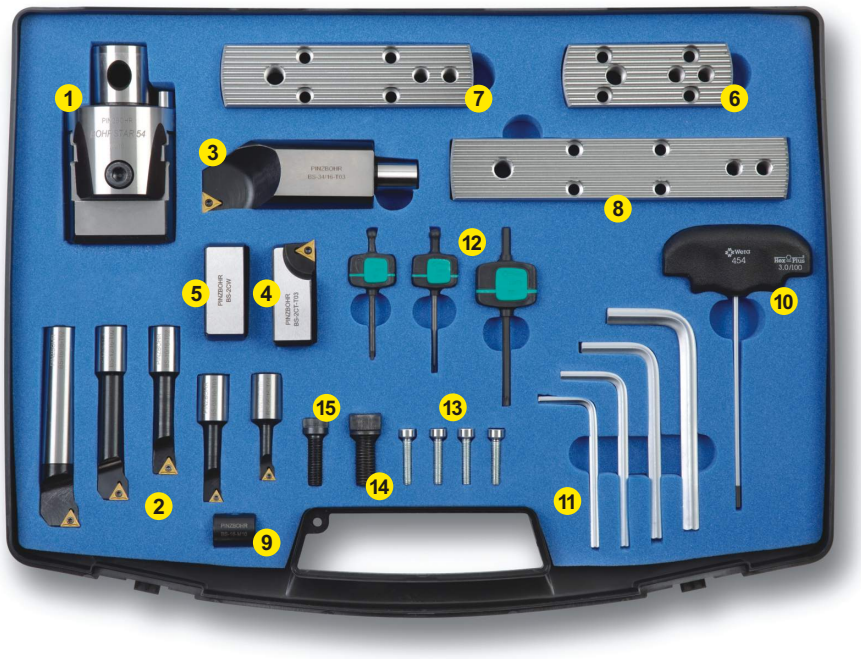
	Description	Product Number	Qty.
9	Adjusting key	AK 030	1
	Hexagonal key 4	HK 040	1
10	Hexagonal key 5	HK 050	1
	Hexagonal key 6	HK 060	1
	Hexagonal key 8	HK 080	1
11	Torx key 6	TK 06	1
	Torx key 7	TK 07	1
	Torx key 8	TK 08	1
12	Plate fixing screws	D 027 21	4
13	Cartridge screw	CS 10 25	1
14	Counterweight screw	CS 08 25	1



From	Ø 8	Ø 38	Ø 56	Ø 85	Ø 125
To	Ø 43	Ø 59	Ø 100	Ø 130	Ø 170

Bohrstar 54 KIT Ø 8 - 210

Triangular insert

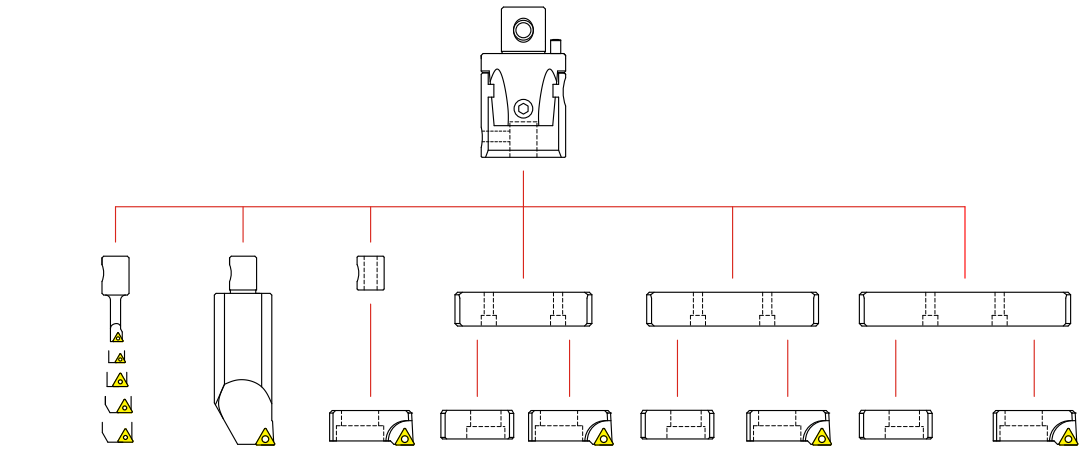


ORDERING NUMBER:

BS 54 KIT T 8-210

	Description	Product Number	Qty.
1	Bohrstar head	BS 054 16	1
	Boring bar 6 mm.	BS 06 16 T01	1
	Boring bar 8 mm.	BS 08 16 T01	1
2	Boring bar 10 mm.	BS 10 16 T02	1
	Boring bar 12 mm.	BS 12 16 T02	1
	Boring bar 16 mm.	BS 16 16 T02	1
3	Boring bar 34 mm.	BS 34 16 T03	1
4	Cartridge	BS 2CT T03	1
5	Counterweight	BS 2CW	1
6	Small plate	BS SP 085 130	1
7	Medium plate	BS SP 125 170	1
8	Large plate	BS SP 165 210	1

	Description	Product Number	Qty.
9	Location sleeve	BS 16 M10	1
10	Adjusting key	AK 030	1
	Hexagonal key 4	HK 040	1
11	Hexagonal key 5	HK 050	1
	Hexagonal key 6	HK 060	1
	Hexagonal key 8	HK 080	1
	Torx key 6	TK 06	1
12	Torx key 7	TK 07	1
	Torx key 8	TK 08	1
13	Plate fixing screws	D 027 21	4
14	Cartridge screw	CS 10 25	1
15	Counterweight screw	CS 08 25	1



From	Ø 8	Ø 38	Ø 56	Ø 85	Ø 125	Ø 165
To	Ø 43	Ø 59	Ø 100	Ø 130	Ø 170	Ø 210

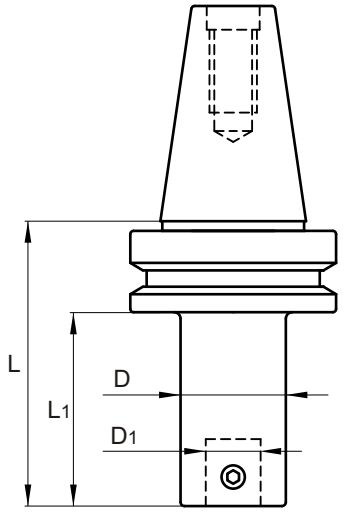
MAS BT 403

ISO 40

Dimension				Product Number	Kg.	Coupling Screw
øD	øD1	L	L1			
54	28	54	27	**BT 340 054 090**	1.350	TC 054
54	28	124	97	**BT 340 054 160**	2.610	TC 054
54	28	164	137	**BT 340 054 200**	3.370	TC 054

ISO 50

Dimension				Product Number	Kg.	Coupling Screw
øD	øD1	L	L1			
54	28	65	27	**BT 350 054 090**	4.110	TC 054
54	28	135	97	**BT 350 054 160**	5.400	TC 054
54	28	175	137	**BT 350 054 200**	6.100	TC 054



DIN 69871

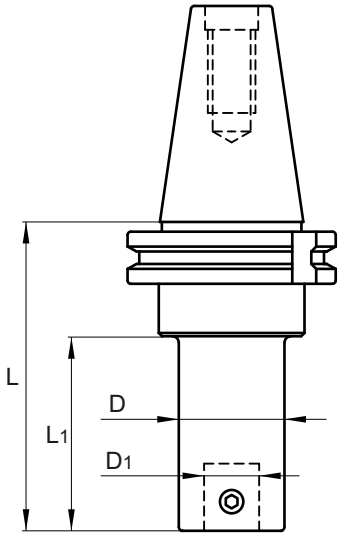
AS

ISO 40

Dimension				Product Number	Kg.	Coupling Screw
øD	øD1	L	L1			
54	28	76	57	**AS 340 054 120**	1.630	TC 054
54	28	116	97	**AS 340 054 160**	2.360	TC 054
54	28	156	137	**AS 340 054 200**	3.110	TC 054

ISO 50

Dimension				Product Number	Kg.	Coupling Screw
øD	øD1	L	L1			
54	28	62	27	**AS 350 054 090**	3.570	TC 054
54	28	132	97	**AS 350 054 160**	4.850	TC 054
54	28	172	137	**AS 350 054 200**	5.570	TC 054



DIN 2080

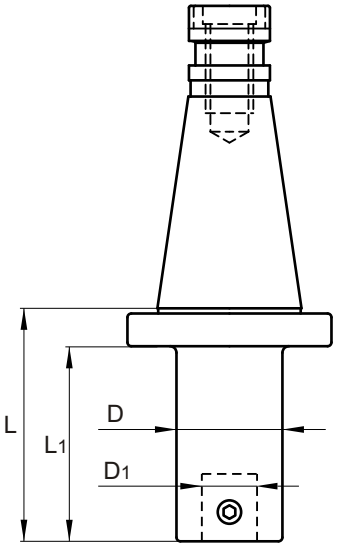
OTT

ISO 40

Dimension				Product Number	Kg.	Coupling Screw
øD	øD1	L	L1			
54	28	39	27	**OTT 340 054 090**	1.100	TC 054
54	28	109	97	**OTT 340 054 160**	2.370	TC 054
54	28	149	137	**OTT 340 054 200**	3.140	TC 054

ISO 50

Dimension				Product Number	Kg.	Coupling Screw
øD	øD1	L	L1			
54	28	43	27	**OTT 350 054 090**	3.100	TC 054
54	28	113	97	**OTT 350 054 160**	4.380	TC 054
54	28	153	137	**OTT 350 054 200**	5.100	TC 054



DIN 69893

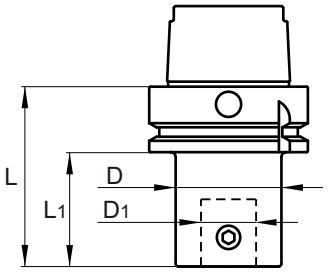
HSK-A

HSK 63

Dimension				Product Number	Kg.	Coupling Screw
øD	øD1	L	L1			
54	28	70	44	**HSK 063A 054 110**	1.300	TC 054

HSK 100

Dimension				Product Number	Kg.	Coupling Screw
øD	øD1	L	L1			
54	28	73	44	**HSK 100A 054 110**	2.800	TC 054

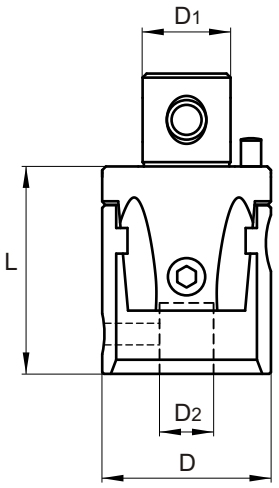


Boring head

Adjusting accuracy 0.002 mm Ø

Dimension				Product Number	Kg.
øD	øD1	øD2	L		
54	28	16	65	**BS 054 16**	1.100

Adjusting Key	Locking Key	Bar Clamp. Screw	Bar Clamp. Key
HK 030	HK 060	TB 106	HK 050

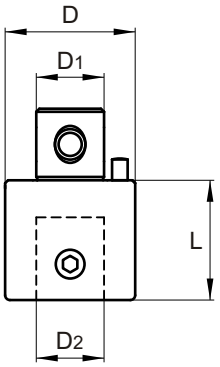


Accessories (Optional)

EXTENSIONS

FOR DEEPER HOLE APPLICATIONS

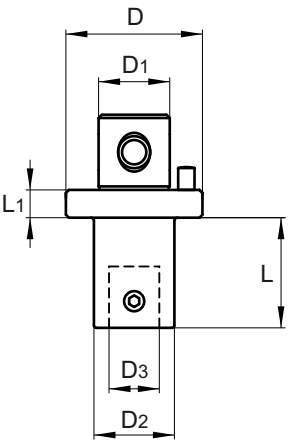
Dimension				Product Number	Kg.	Coupling Screw
øD	øD1	øD2	L			
54	28	28	50	**P 054 050**	0.880	TC 054
54	28	28	75	**P 054 075**	1.320	TC 054

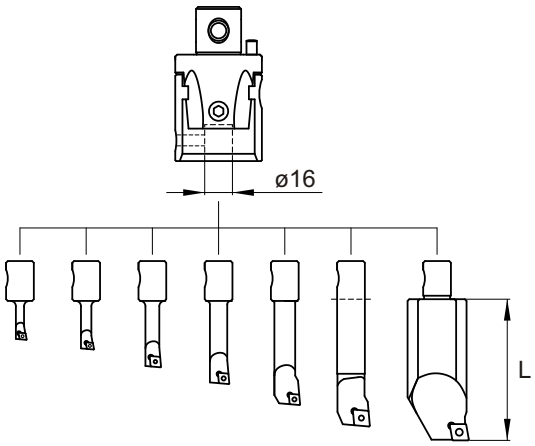


REDUCERS

TO USE ON BIGGER DIAMETER PINZBOHR ARBORS

Dimension						Product Number	Kg.	Coupling Screw
øD	øD1	øD2	øD3	L	L1			
68	36	54	28	60	12	**R 068 054 072**	1.520	TC 054
85	50	54	28	78	12	**R 085 054 090**	2.460	TC 054





RHOMBIC INSERT

Bore Range Min	Bore Range Max	L	Product Number	Insert	Kg.	Torx Screw	Torx Key
6	28	20	**BS 05 16 R01**	EP□□ 0401□□ L	0.045	TT 100	TK 06
8	30	25	**BS 06 16 R01**	EP□□ 0401□□ L	0.046	TT 102	TK 06
8	30	25	**BS 06 16 R02**	EP□□ 0502□□	0.046	TT 106	TK 07
10	32	35	**BS 08 16 R03**	CC□□ 0602□□	0.054	TT 110	TK 08
13	35	45	**BS 10 16 R03**	CC□□ 0602□□	0.068	TT 400	TK 08
16	38	57	**BS 12 16 R03**	CC□□ 0602□□	0.090	TT 400	TK 08
20	43	73	**BS 16 16 R04**	CC□□ 09T3□□	0.145	TT 409	TK 15
38	59	82	**BS 34 16 R04**	CC□□ 09T3□□	0.450	TT 409	TK 15

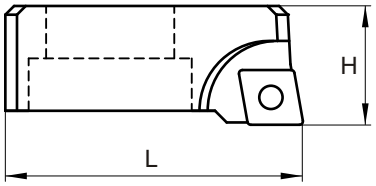
TRIANGULAR INSERT

Bore Range Min	Bore Range Max	L	Product Number	Insert	Kg.	Torx Screw	Torx Key
8	30	25	**BS 06 16 T01**	TC□□ 06T1□□	0.046	TT 104	TK 06
10	32	35	**BS 08 16 T01**	TC□□ 06T1□□	0.054	TT 104	TK 06
13	35	45	**BS 10 16 T02**	TC□□ 0902□□	0.068	TT 108	TK 07
16	38	57	**BS 12 16 T02**	TC□□ 0902□□	0.090	TT 108	TK 07
20	43	73	**BS 16 16 T02**	TC□□ 0902□□	0.145	TT 108	TK 07
38	59	82	**BS 34 16 T03**	TP□□ 1102□□	0.450	TT 400	TK 08
38	59	82	**BS 34 16 T04**	TC□□ 16T3□□	0.450	TT 409	TK 15

➠ ***All inserts for this programme are available in our stock.***

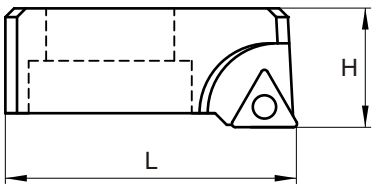
RHOMBIC INSERT

H	L	Product Number	Insert	Kg.	Torx Screw	Torx Key
20	51	**BS 2CT R04**	CC□□ 09T3□□	0.100	TT 409	TK 15



TRIANGULAR INSERT

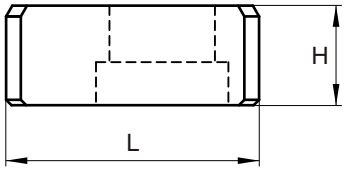
H	L	Product Number	Insert	Kg.	Torx Screw	Torx Key
20	51	**BS 2CT T03**	TP□□ 1102□□	0.100	TT 400	TK 08
20	51	**BS 2CT T04**	TC□□ 16T3□□	0.100	TT 409	TK 15



➠ ***All inserts for this programme are available in our stock.***

Counterweight

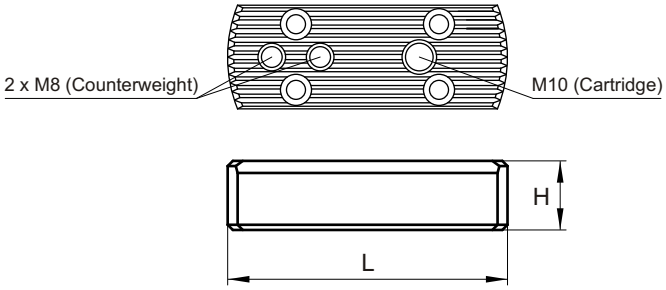
H	L	Product Number	Kg.
18.5	47	**BS 2CW**	0.110



Aluminium plates

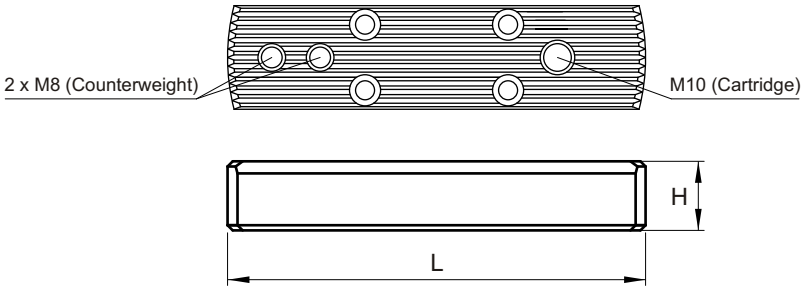
SMALL PLATE

H	L	Product Number	Kg.
20	81	**BS SP 085 130**	0.105



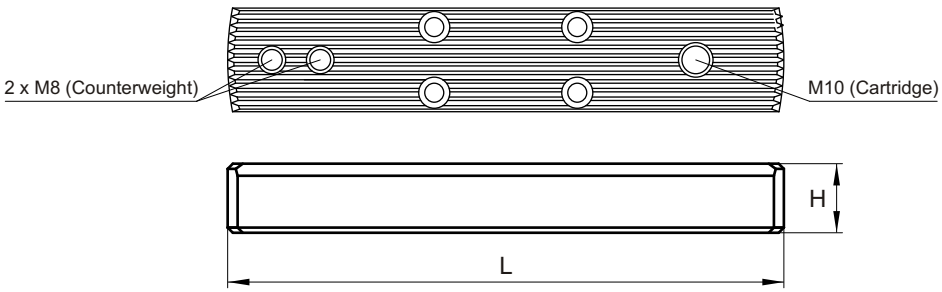
MEDIUM PLATE

H	L	Product Number	Kg.
20	121	**BS SP 125 170**	0.170



LARGE PLATE

H	L	Product Number	Kg.
20	161	**BS SP 165 210**	0.230



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