



# HARTNER

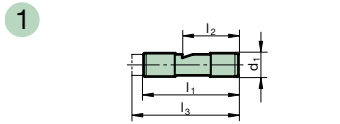
## Drivers

### Attachments

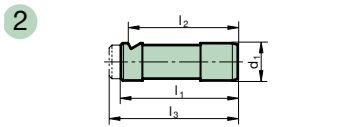
The range of drivers introduced below is available ex stock. However, it only represents a small selection of drivers from our complete range. We naturally also produce individual drivers of

the highest precision to customer drawings. **Attention! Single-fluted solid carbide gun drills** require drivers with positioning lugs. Further information on request.

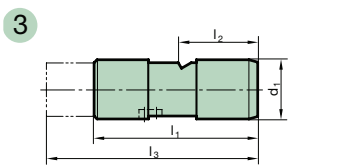
#### Drivers for deep hole drilling machines



code no.	d <sub>1</sub>	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>
1.1	10	40	24	-
1.2	10	40	24	45
1.3	10	40	24	55
1.4	16	45	31,2	-
1.5	25	70	34	-
1.6	25	70	34	78



code no.	d <sub>1</sub>	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>
2.1	16	50	47	-
2.2	16	50	47	55
2.3	16	50	47	70

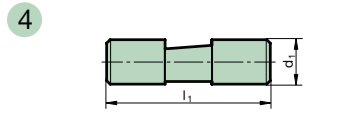


code no.	d <sub>1</sub>	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>
3.1	25	70	34	100

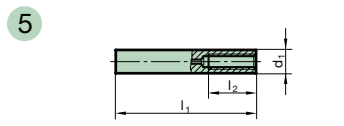


#### Accessories for deep hole drilling machines

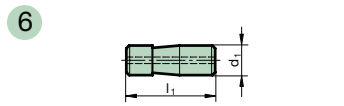
In contrast to conventional machine tools, certain accessories, i.e. drilling bushes, seal discs, steady rest bushings etc., are part of the standard equipment on deep hole drilling machines. A selection of these products are shown above. Because of the multitude of accessories currently available, it is impossible to list tables with dimensions for each item in this brochure. However, we can supply most of products generally applied on request (with drawing if possible).



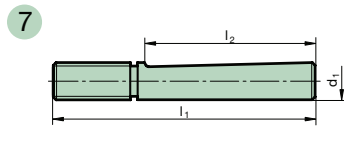
code no.	d <sub>1</sub>	l <sub>1</sub>
4.1	19,05	70



code no.	d <sub>1</sub>	l <sub>1</sub>	l <sub>2</sub>
5.1	10	60	20
5.2	16	80	28
5.3	25	100	50

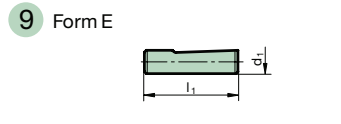


code no.	d <sub>1</sub> (inch)	l <sub>1</sub>
6.1	1/2	38
6.2	3/4	70



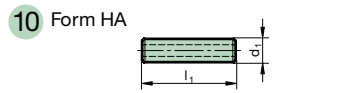
code no.	d <sub>1</sub>	l <sub>1</sub>	l <sub>2</sub>
7.1	16	112	73
7.2	20	126	82

#### Drivers to DIN 1835

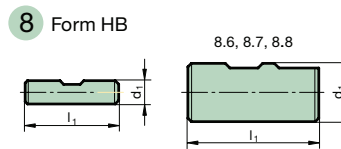


code no.	d <sub>1</sub>	l <sub>1</sub>
9.1	8	36
9.2	10	40
9.3	12	45
9.4	16	48
9.5	20	50
9.6	25	56
9.7	32	60

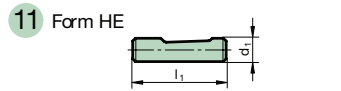
#### Drivers to DIN 6535



code no.	d <sub>1</sub>	l <sub>1</sub>
10.1	8	40
10.2	10	40
10.3	12	45
10.4	16	48
10.5	20	50
10.6	25	56
10.7	32	60

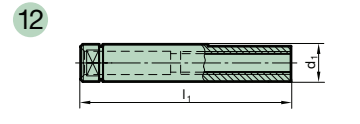


code no.	d <sub>1</sub>	l <sub>1</sub>
8.1	8	36
8.2	10	40
8.3	12	45
8.4	16	48
8.5	20	50
8.6	25	56
8.7	32	60
8.8	40	70



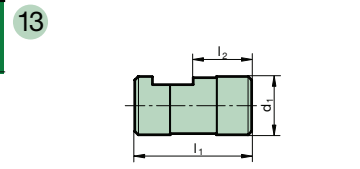
code no.	d <sub>1</sub>	l <sub>1</sub>
11.1	8	36
11.2	10	40
11.3	12	45
11.4	16	48
11.5	20	50

#### Drivers to VDI draft



code no.	d <sub>1</sub>	l <sub>1</sub>
12.1	10	68
12.2	16	90
12.3	25	112

#### Drivers to Speed-Bit-System



code no.	d <sub>1</sub>	l <sub>1</sub>	l <sub>2</sub>
13.1	16	40	16
13.2	25	50	25