

Rubrik 1 // Section 1

# **Drehhalter für Scheibenrevolver //** **Turning tool holder for disc turret**

**DIN 69880 / ISO 10889**



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**ews**  
**Tool Technologies**



Bewegung, Schnelligkeit, Präzision – das ist die Welt von EWS. Wir nennen es „Precision meets Motion“, weil wir uns der Bedeutung von Präzision für die Zukunft unserer Kunden und Zielmärkte bewusst sind.

Höchste Qualitätsansprüche und größtes Engagement für die optimale Ausführung unserer Produkte in Form und Funktion stehen dabei im Mittelpunkt. Dafür investieren wir gezielt in modernste Fertigungslinien und entwickeln mit externen Instituten Methoden zur Qualitätssicherung.

Garant für unsere Spitzenleistungen in Entwicklung und Produktion ist dabei das hohe Ausbildungsniveau unserer Mitarbeiter.

Mit Kompetenz und Zuverlässigkeit möchten wir unsere Kunden in der Beratung, im täglichen Austausch und in der Projektabwicklung immer wieder von unseren Leistungen und unserem Service überzeugen.

Motion, speed, precision – this is the world of EWS. We call it “Precision meets Motion”, because we are aware of the importance of precision for the future of our customers and target markets.

Our focus is on highest quality standards and utmost commitment to ensure an optimal design of our products in form and function. For this purpose, we systematically invest in state-of-the-art production lines and develop methods for quality assurance in cooperation with external institutions.

Our top performance in development and production is backed up by the high level of training of our staff members.

Competence and reliability in our advisory services, our daily communication and project management – these are the core elements convincing our customers of our performance and services over and over again.

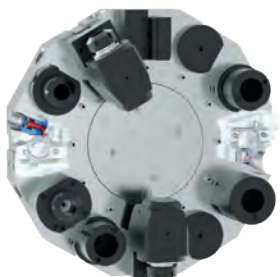
## Inhaltsverzeichnis // Contents

**DIN 69880 / ISO 10889**

Drehhalter für Scheibenrevolver, Klemmbolzen oben  
Turning tool holder for disc turret, clamping wedge above

rechte Werkzeugaufnahmen  
right hand tool holder

1.1.05

**DIN 69880 / ISO 10889**

Drehhalter für Scheibenrevolver, Klemmbolzen unten  
Turning tool holder for disc turret, clamping wedges below

linke Werkzeugaufnahmen  
left hand tool holder

1.1.22

**DIN 69880 / ISO 10889**

Drehhalter für Scheibenrevolver  
Turning tool holder for disc turret

universal verwendbare Werkzeugaufnahmen  
universally applicable tool holder

1.1.34



**DIN 69880 / ISO 10889****Drehhalter für Scheibenrevolver**

Turning tool holder for disc turret

- 1** Revolver hinter der Drehmitte, Klemmbolzen von oben, für rechte Werkzeugaufnahmen

Turret behind of the turning center, for clamping wedges from the top, for right hand tool holder

- 2** Revolver vor der Mitte, Klemmbolzen von unten, für rechte Werkzeugaufnahmen

Turret in front of the turning center, clamping wedges from the below, for right hand tool holder


**Vierkant-Queraufnahme  
linkslauf drehen**

Form B1  
rechts, kurz

**OD-turning tool holder  
CCW turning**

Form B1  
right hand, short

1.1.08


**Vierkant-Queraufnahme  
linkslauf drehen**

Form B5  
rechts, lang

**OD-turning tool holder  
CCW turning**

Form B5  
right hand, long

1.1.09


**Vierkant-Queraufnahme, überkopf  
rechtslauf drehen**

Form B3  
rechts, kurz

**OD-turning tool holder overhead  
CW turning**

Form B3  
right hand, short

1.1.10


**Vierkant-Queraufnahme  
überkopf, rechtslauf drehen**

Form B7  
rechts, lang

**OD-turning tool holder overhead  
CW turning**

Form B7  
right hand, long

1.1.11


**Vierkant-Längsaufnahme  
linkslauf drehen**

Form C1  
rechts

**OD-turning tool holder  
CCW turning**

Form C1  
right hand

1.1.12





**Vierkant-Längsaufnahme, überkopf  
rechtslauf drehen**

Form C3  
rechts

OD-turning tool holder, overhead  
CW turning

Form C3  
right hand

1.1.13



**Abstechhalter  
linkslauf drehen**

rechts

Infeed / Cut-off tool holder  
CCW turning

right hand

1.1.14



**Abstechhalter, überkopf  
rechtslauf drehen**

rechts

Infeed / Cut-off tool holder, overhead  
CW turning

right hand

1.1.15



**Grundhalter für Queraufnahme**

rechts

Basic tool holder for diagonal adapter

right hand

1.1.16



**Wechselhalter  
linkslauf drehen**

rechts  
höhenverstellbar

Infeed tool holder  
CCW turning

right hand  
height adjustable

1.1.17



**Wechselhalter, überkopf  
rechtslauf drehen**

rechts  
höhenverstellbar

Infeed Toolholder, overhead  
CW turning

right hand  
height adjustable

1.1.18



**EWS.PSC**

rechts

EWS.PSC

right hand

1.1.19



Stangengreifer

rechts

Bar pick-up

right hand

1.1.20

## Rubrik 1 // Section 1



### Vierkant-Queraufnahme // Turning tool

ISO 10889  
 DIN 69 880 Teil 3  
 Form B1 rechts,  
 kurz  
 Linkslauf drehen

ISO 10889  
 DIN 69880 Part 3  
 Form B1 right hand,  
 short  
 CCW turning

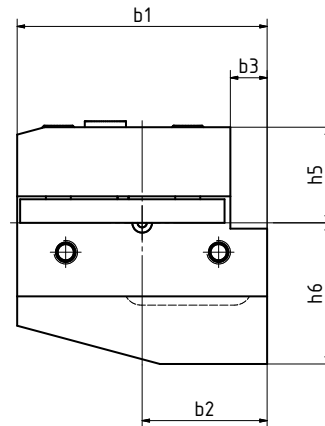
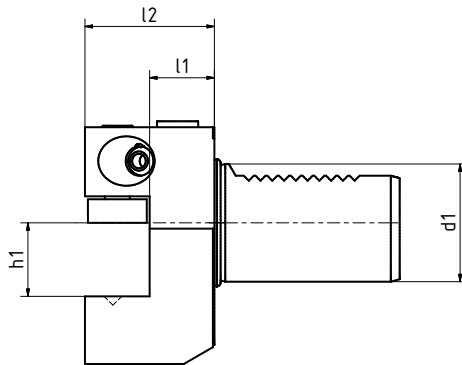


Abbildung mit Innenkühlung //  
 Shown with internal coolant



### Mit Innen- und Außenkühlung IK/EK // With internal and external coolant IC/EC

| Nr. / No. | d1 | b1  | b2   | b3   | h1 | h5   | h6 | l1 | l2 | EK / EC | IK / IC |
|-----------|----|-----|------|------|----|------|----|----|----|---------|---------|
| 5.3020IK  | 30 | 70  | 35   | 10   | 20 | 28   | 38 | 22 | 40 | ✓       | ✓       |
| 5.4025IK  | 40 | 85  | 42,5 | 12,5 | 25 | 32,5 | 48 | 22 | 44 | ✓       | ✓       |
| 5.5032IK  | 50 | 100 | 50   | 16   | 32 | 35   | 60 | 30 | 55 | ✓       | ✓       |

### Mit Außenkühlung EK // With external coolant EC

| Nr. / No. | d1 | b1  | b2   | b3   | h1 | h5   | h6   | l1 | l2 | EK / EC | IK / IC |
|-----------|----|-----|------|------|----|------|------|----|----|---------|---------|
| 5.1612    | 16 | 42  | 23   | 5    | 12 | 20   | 22   | 13 | 24 | ✓       | -       |
| 5.2016/12 | 20 | 55  | 30   | 7    | 16 | 25   | 30   | 16 | 30 | ✓       | -       |
| 5.2516/12 | 25 | 55  | 30   | 7    | 16 | 25   | 30   | 16 | 30 | ✓       | -       |
| 5.3020/16 | 30 | 70  | 35   | 10   | 20 | 28   | 38   | 22 | 40 | ✓       | -       |
| 5.4025/20 | 40 | 85  | 42,5 | 12,5 | 25 | 32,5 | 48   | 22 | 44 | ✓       | -       |
| 5.5032/25 | 50 | 100 | 50   | 16   | 32 | 35   | 60   | 30 | 55 | ✓       | -       |
| 5.6032/25 | 60 | 125 | 62,5 | 16   | 32 | 42,5 | 62,5 | 30 | 60 | ✓       | -       |
| 5.8040/32 | 80 | 160 | 80   | 20   | 40 | 55   | 80   | 40 | 75 | ✓       | -       |

WEITERE GRÖSSEN AUF ANFRAGE  
 FURTHER SIZES ON REQUEST





## Vierkant-Queraufnahme //

### Turning tool

ISO 10889  
DIN 69 880 Teil 3  
Form B5 rechts,  
lang  
Linkslauf drehen

ISO 10889  
DIN 69880 Part 3  
Form B5 right hand,  
long  
CCW turning

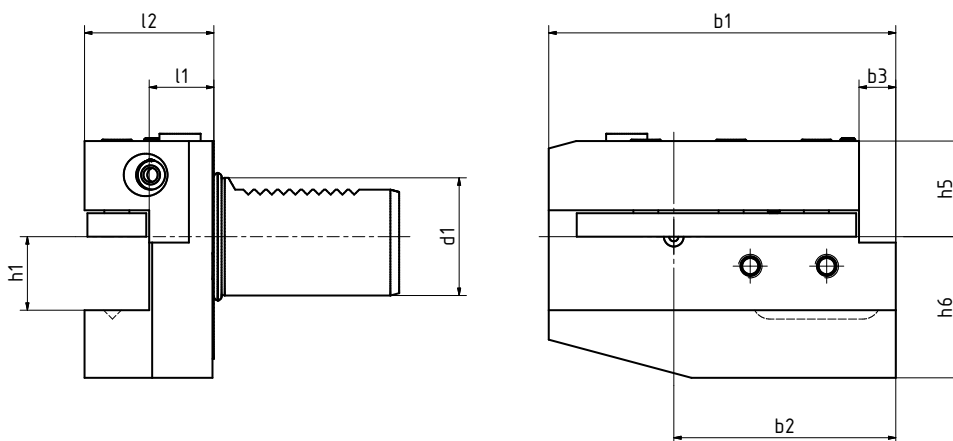


Abbildung mit Innenkühlung //  
Shown with internal coolant



### Mit Innen- und Außenkühlung IK/EK //

### With internal and external coolant IC/EC

| Nr. / No. | d1 | b1  | b2   | b3   | h1 | h5   | h6 | l1 | l2 | EK / EC | IK / IC |
|-----------|----|-----|------|------|----|------|----|----|----|---------|---------|
| 11.3020IK | 30 | 100 | 65   | 10   | 20 | 28   | 38 | 22 | 40 | ✓       | ✓       |
| 11.4025IK | 40 | 118 | 75,5 | 12,5 | 25 | 32,5 | 48 | 22 | 44 | ✓       | ✓       |
| 11.5032IK | 50 | 130 | 80   | 16   | 32 | 35   | 60 | 30 | 55 | ✓       | ✓       |

### Mit Außenkühlung EK //

### With external coolant EC

| Nr. / No.  | d1 | b1  | b2   | b3   | h1 | h5   | h6   | l1 | l2 | EK / EC | IK / IC |
|------------|----|-----|------|------|----|------|------|----|----|---------|---------|
| 11.1612    | 16 | 58  | 39   | 5    | 12 | 20   | 22   | 13 | 24 | ✓       | -       |
| 11.2016/12 | 20 | 75  | 50   | 7    | 16 | 25   | 30   | 16 | 30 | ✓       | -       |
| 11.3020/16 | 30 | 100 | 65   | 10   | 20 | 28   | 38   | 22 | 40 | ✓       | -       |
| 11.4025/20 | 40 | 118 | 75,5 | 12,5 | 25 | 32,5 | 48   | 22 | 44 | ✓       | -       |
| 11.5032/25 | 50 | 130 | 80   | 16   | 32 | 35   | 60   | 30 | 55 | ✓       | -       |
| 11.6032/25 | 60 | 145 | 82,5 | 16   | 32 | 42,5 | 62,5 | 30 | 60 | ✓       | -       |
| 11.8040/32 | 80 | 190 | 110  | 20   | 40 | 55   | 80   | 40 | 75 | ✓       | -       |

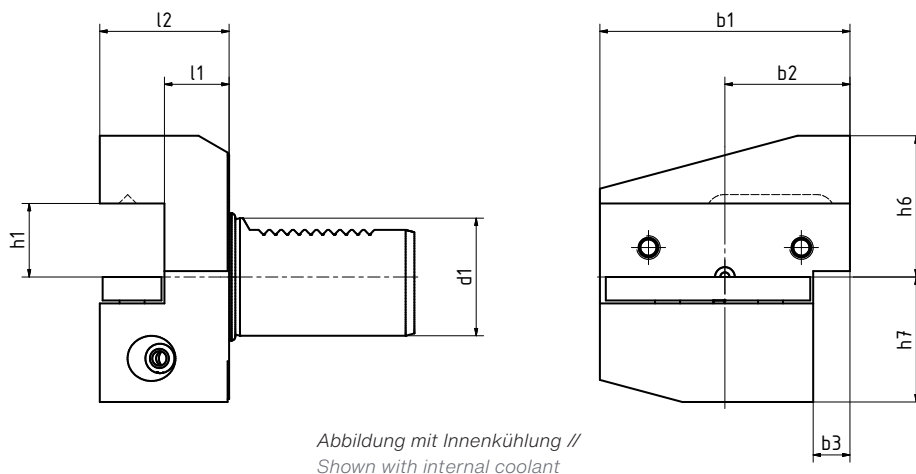
WEITERE GRÖSSEN AUF ANFRAGE  
FURTHER SIZES ON REQUEST



## Vierkant-Queraufnahme, überkopf // Turning tool, overhead

ISO 10889  
DIN 69 880 Teil 3  
Form B3 rechts,  
kurz  
Rechtslauf drehen

ISO 10889  
DIN 69880 Part 3  
Form B3 right hand,  
short  
CW turning



### Mit Innen- und Außenkühlung IK/EK // With internal and external coolant IC/EC

| Nr. / No. | d1 | b1  | b2   | b3   | h1 | h5   | h6 | l1 | l2 | EK / EC | IK / IC |
|-----------|----|-----|------|------|----|------|----|----|----|---------|---------|
| 6.3020IK  | 30 | 70  | 35   | 10   | 20 | 28   | 38 | 22 | 40 | ✓       | ✓       |
| 6.4025IK  | 40 | 85  | 42,5 | 12,5 | 25 | 32,5 | 48 | 22 | 44 | ✓       | ✓       |
| 6.5032IK  | 50 | 100 | 50   | 16   | 32 | 35   | 60 | 30 | 55 | ✓       | ✓       |

### Mit Außenkühlung EK // With external coolant EC

| Nr. / No. | d1 | b1  | b2   | b3   | h1 | h5   | h6   | l1 | l2 | EK / EC | IK / IC |
|-----------|----|-----|------|------|----|------|------|----|----|---------|---------|
| 6.1612    | 16 | 42  | 23   | 5    | 12 | 20   | 22   | 13 | 24 | ✓       | -       |
| 6.2016/12 | 20 | 55  | 30   | 7    | 16 | 25   | 30   | 16 | 30 | ✓       | -       |
| 6.2516/12 | 25 | 55  | 30   | 7    | 16 | 25   | 30   | 16 | 30 | ✓       | -       |
| 6.3020/16 | 30 | 70  | 35   | 10   | 20 | 28   | 38   | 22 | 40 | ✓       | -       |
| 6.4025/20 | 40 | 85  | 42,5 | 12,5 | 25 | 32,5 | 48   | 22 | 44 | ✓       | -       |
| 6.5032/25 | 50 | 100 | 50   | 16   | 32 | 35   | 60   | 30 | 55 | ✓       | -       |
| 6.6032/25 | 60 | 125 | 62,5 | 16   | 32 | 42,5 | 62,5 | 30 | 60 | ✓       | -       |
| 6.8040/32 | 80 | 160 | 80   | 20   | 40 | 55   | 80   | 40 | 75 | ✓       | -       |

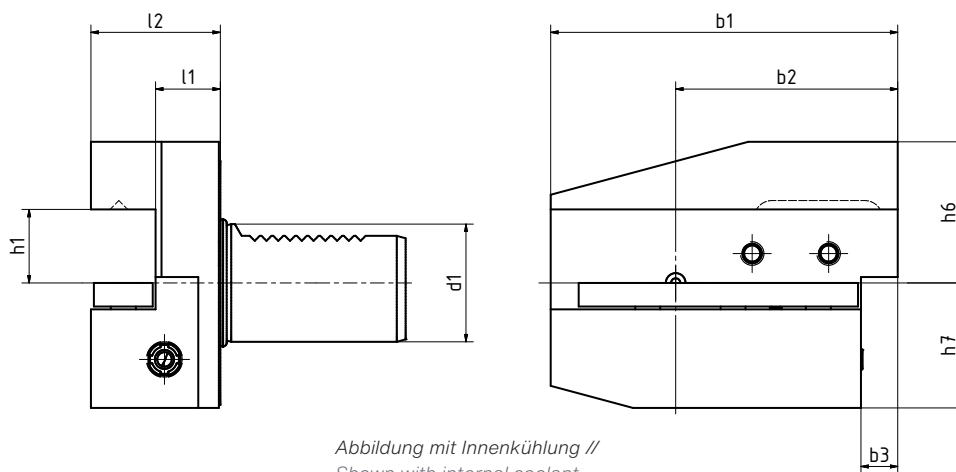
WEITERE GRÖSSEN AUF ANFRAGE  
FURTHER SIZES ON REQUEST



## Vierkant-Queraufnahme, überkopf // Turning tool, overhead

ISO 10889  
DIN 69 880 Teil 3  
Form B7 rechts,  
lang  
Rechtslauf drehen

ISO 10889  
DIN 69880 Part 3  
Form B7 right hand,  
long  
CW turning



### Mit Innen- und Außenkühlung IK/EK // With internal and external coolant IC/EC

| Nr. / No. | d1 | b1  | b2   | b3   | h1 | h6 | h7   | l1 | l2 | EK / EC | IK / IC |
|-----------|----|-----|------|------|----|----|------|----|----|---------|---------|
| 12.3020IK | 30 | 100 | 65   | 10   | 20 | 38 | 35   | 22 | 40 | ✓       | ✓       |
| 12.4025IK | 40 | 118 | 75,5 | 12,5 | 25 | 48 | 42,5 | 22 | 44 | ✓       | ✓       |
| 12.5032IK | 50 | 130 | 80   | 16   | 32 | 60 | 50   | 30 | 55 | ✓       | ✓       |

### Mit Außenkühlung EK // With external coolant EC

| Nr. / No.  | d1 | b1  | b2   | b3   | h1 | h6   | h7   | l1 | l2 | EK / EC | IK / IC |
|------------|----|-----|------|------|----|------|------|----|----|---------|---------|
| 12.1612    | 16 | 58  | 39   | 5    | 12 | 22   | 20   | 13 | 24 | ✓       | -       |
| 12.2016/12 | 20 | 75  | 50   | 7    | 16 | 30   | 25   | 16 | 30 | ✓       | -       |
| 12.3020/16 | 30 | 100 | 65   | 10   | 20 | 38   | 35   | 22 | 40 | ✓       | -       |
| 12.4025/20 | 40 | 118 | 75,5 | 12,5 | 25 | 48   | 42,5 | 22 | 44 | ✓       | -       |
| 12.5032/25 | 50 | 130 | 80   | 16   | 32 | 60   | 50   | 30 | 55 | ✓       | -       |
| 12.6032/25 | 60 | 145 | 82,5 | 16   | 32 | 62,6 | 62,5 | 30 | 60 | ✓       | -       |
| 12.8040/32 | 80 | 190 | 110  | 20   | 40 | 80   | 80   | 40 | 75 | ✓       | -       |

WEITERE GRÖSSEN AUF ANFRAGE  
FURTHER SIZES ON REQUEST

## Rubrik 1 // Section 1



### Vierkant-Längsaufnahme // Turning tool

ISO 10889  
DIN 69 880 Teil 4  
Form C1 rechts,  
Linkslauf drehen

ISO 10889  
DIN 69880 Part 4  
Form C1 right hand,  
CCW turning

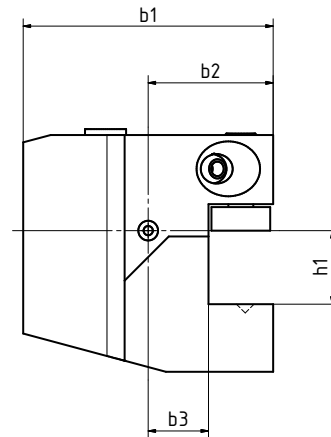
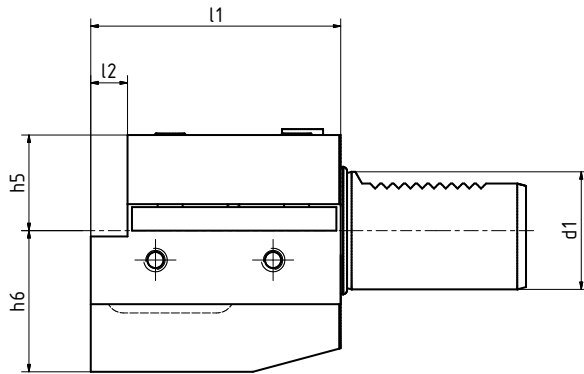


Abbildung mit Innenkühlung //  
Shown with internal coolant



### Mit Innen- und Außenkühlung IK/EK // With internal and external coolant IC/EC

| Nr. / No. | d1 | b1  | b2   | b3   | h1 | h5   | h6 | l1  | l2   | EK / EC | IK / IC |
|-----------|----|-----|------|------|----|------|----|-----|------|---------|---------|
| 1.2520IK  | 25 | 58  | 33   | 15   | 25 | 28   | 38 | 55  | 7    | ✓       | ✓       |
| 1.3020IK  | 30 | 70  | 35   | 17   | 20 | 28   | 38 | 70  | 10   | ✓       | ✓       |
| 1.4025IK  | 40 | 85  | 42,5 | 20,5 | 25 | 32,5 | 48 | 85  | 12,5 | ✓       | ✓       |
| 1.5032IK  | 50 | 100 | 50   | 25,5 | 32 | 35   | 60 | 100 | 16   | ✓       | ✓       |

### Mit Außenkühlung EK // With external coolant EC

| Nr. / No. | d1 | b1  | b2   | b3   | h1 | h5   | h6   | l1  | l2   | EK / EC | IK / IC |
|-----------|----|-----|------|------|----|------|------|-----|------|---------|---------|
| 1.1612    | 16 | 43  | 24   | 13   | 12 | 20   | 22   | 44  | 5    | ✓       | -       |
| 1.2016/12 | 20 | 52  | 27   | 13   | 16 | 25   | 30   | 55  | 7    | ✓       | -       |
| 1.2516/12 | 25 | 58  | 33   | 19   | 16 | 25   | 30   | 55  | 7    | ✓       | -       |
| 1.3020/16 | 30 | 70  | 35   | 17   | 20 | 28   | 38   | 70  | 10   | ✓       | -       |
| 1.4025/20 | 40 | 85  | 42,5 | 20,5 | 25 | 32,5 | 48   | 85  | 12,5 | ✓       | -       |
| 1.5032/25 | 50 | 100 | 50   | 25,5 | 32 | 35   | 60   | 100 | 16   | ✓       | -       |
| 1.6032/25 | 60 | 125 | 62,5 | 32,5 | 32 | 42,5 | 62,5 | 125 | 16   | ✓       | -       |
| 1.8040/32 | 80 | 160 | 80   | 41   | 40 | 55   | 80   | 160 | 20   | ✓       | -       |

WEITERE GRÖSSEN AUF ANFRAGE  
FURTHER SIZES ON REQUEST



## Vierkant-Längsaufnahme, überkopf // Turning tool, overhead

ISO 10889  
DIN 69 880 Teil 4  
Form C3 rechts,  
Rechtslauf drehen

ISO 10889  
DIN 69880 Part 4  
Form C3 right hand,  
CW turning

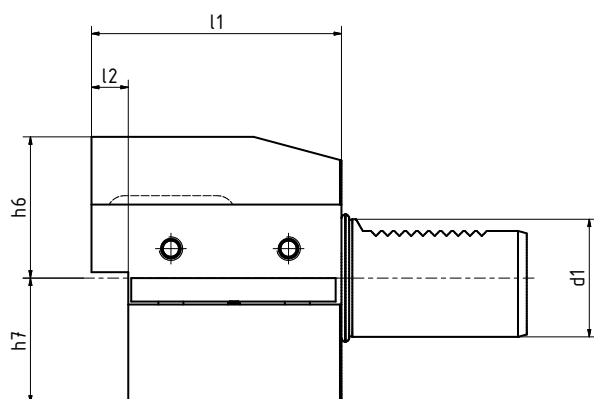
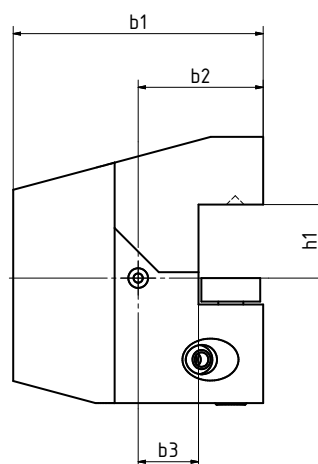


Abbildung mit Innenkühlung //  
Shown with internal coolant



### Mit Innen- und Außenkühlung IK/EK // With internal and external coolant IC/EC

| Nr. / No. | d1 | b1  | b2   | b3   | h1 | h6 | h7   | l1  | l2   | EK / EC | IK / IC |
|-----------|----|-----|------|------|----|----|------|-----|------|---------|---------|
| 2.2516IK  | 25 | 58  | 33   | 19   | 16 | 30 | 25   | 55  | 7    | ✓       | ✓       |
| 2.2520IK  | 25 | 58  | 33   | 15   | 20 | 38 | 28   | 55  | 8    | ✓       | ✓       |
| 2.3020IK  | 30 | 70  | 35   | 17   | 20 | 38 | 35   | 70  | 10   | ✓       | ✓       |
| 2.4025IK  | 40 | 85  | 42,5 | 20,5 | 25 | 48 | 42,5 | 85  | 12,5 | ✓       | ✓       |
| 2.5032IK  | 50 | 100 | 50   | 25,5 | 32 | 60 | 50   | 100 | 16   | ✓       | ✓       |

### Mit Außenkühlung EK // With external coolant EC

| Nr. / No. | d1 | b1  | b2   | b3   | h1 | h6   | h7   | l1  | l2   | EK / EC | IK / IC |
|-----------|----|-----|------|------|----|------|------|-----|------|---------|---------|
| 2.1612    | 16 | 43  | 24   | 13   | 12 | 22   | 20   | 44  | 5    | ✓       | -       |
| 2.2016/12 | 20 | 52  | 27   | 13   | 16 | 30   | 25   | 55  | 7    | ✓       | -       |
| 2.2516/12 | 25 | 58  | 33   | 19   | 16 | 30   | 25   | 55  | 7    | ✓       | -       |
| 2.3020/16 | 30 | 70  | 35   | 17   | 20 | 38   | 35   | 70  | 10   | ✓       | -       |
| 2.4025/20 | 40 | 85  | 42,5 | 20,5 | 25 | 48   | 42,5 | 85  | 12,5 | ✓       | -       |
| 2.5032/25 | 50 | 100 | 50   | 25,5 | 32 | 60   | 50   | 100 | 16   | ✓       | -       |
| 2.6032/25 | 60 | 125 | 62,5 | 32,5 | 32 | 62,5 | 62,5 | 125 | 16   | ✓       | -       |
| 2.8040/32 | 80 | 160 | 80   | 41   | 40 | 80   | 80   | 160 | 20   | ✓       | -       |

WEITERE GRÖSSEN AUF ANFRAGE  
FURTHER SIZES ON REQUEST



## Abstechhalter // Cutoff Toolholder

ISO 10889  
DIN 69 880  
rechts  
Linkslauf drehen

ISO 10889  
DIN 69880  
right hand  
CCW turning

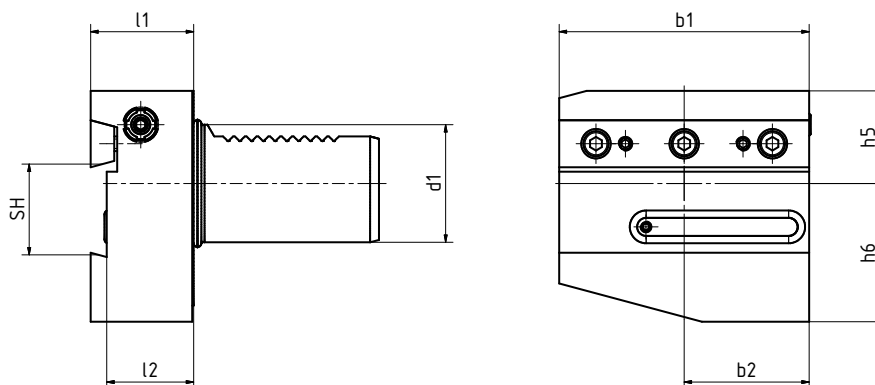


Abbildung mit Innenkühlung //  
Shown with internal coolant



### Mit Innen- und Außenkühlung IK/EK // With internal and external coolant IC/EC

| Nr. / No. | SH | d1 | b1 | b2   | h5   | h6 | l1 | l2    | EK / EC | IK / IC |
|-----------|----|----|----|------|------|----|----|-------|---------|---------|
| 32.3026IK | 26 | 30 | 70 | 35   | 26   | 37 | 35 | 29,55 | ✓       | ✓       |
| 32.3032IK | 32 | 30 | 70 | 35   | 26   | 37 | 35 | 29,55 | ✓       | ✓       |
| 32.4032IK | 32 | 40 | 85 | 42,5 | 31,5 | 47 | 35 | 29,55 | ✓       | ✓       |

### Mit Außenkühlung EK // With external coolant EC

| Nr. / No. | SH | d1 | b1 | b2   | h5   | h6 | l1 | l2    | EK / EC | IK / IC |
|-----------|----|----|----|------|------|----|----|-------|---------|---------|
| 32.1619   | 19 | 16 | 42 | 23   | 21   | 22 | 29 | 26,5  | ✓       | -       |
| 32.2026   | 26 | 20 | 55 | 30   | 24   | 29 | 35 | 29,55 | ✓       | -       |
| 32.2532   | 32 | 25 | 58 | 30   | 27   | 30 | 35 | 29,55 | ✓       | -       |
| 32.3026   | 26 | 30 | 70 | 35   | 26   | 37 | 35 | 29,55 | ✓       | -       |
| 32.3032   | 32 | 30 | 70 | 35   | 26   | 37 | 35 | 29,55 | ✓       | -       |
| 32.4032   | 32 | 40 | 85 | 42,5 | 31,5 | 47 | 35 | 29,55 | ✓       | -       |

WEITERE GRÖSSEN AUF ANFRAGE  
FURTHER SIZES ON REQUEST

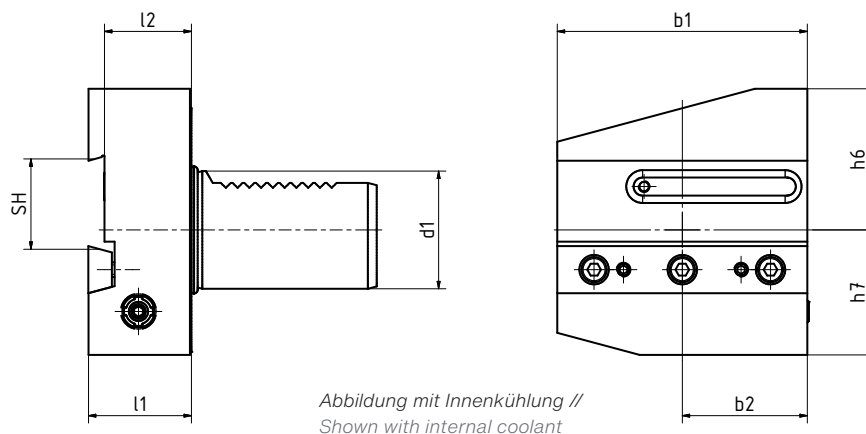




## Abstechhalter, überkopf // Cutoff Toolholder, overhead

ISO 10889  
DIN 69 880  
rechts

ISO 10889  
DIN 69880  
right hand



### Mit Innen- und Außenkühlung IK/EK // With internal and external coolant IC/EC

| Nr. / No.   | SH | d1 | b1 | b2   | h6 | h7   | l1 | l2    | EK / EC | IK / IC |
|-------------|----|----|----|------|----|------|----|-------|---------|---------|
| 32.3026ÜKIK | 26 | 30 | 70 | 35   | 38 | 35   | 35 | 29,55 | ✓       | ✓       |
| 32.3032ÜKIK | 32 | 30 | 70 | 35   | 38 | 35   | 35 | 29,55 | ✓       | ✓       |
| 32.4032ÜKIK | 32 | 40 | 85 | 42,5 | 48 | 42,5 | 35 | 29,55 | ✓       | ✓       |

### Mit Außenkühlung EK // With external coolant EC

| Nr. / No. | SH | d1 | b1 | b2   | h6 | h7   | l1 | l2    | EK / EC | IK / IC |
|-----------|----|----|----|------|----|------|----|-------|---------|---------|
| 32.2026ÜK | 26 | 20 | 55 | 30   | 29 | 24   | 35 | 29,55 | ✓       | -       |
| 32.2532ÜK | 32 | 25 | 58 | 30   | 30 | 27   | 35 | 29,55 | ✓       | -       |
| 32.3026ÜK | 26 | 30 | 70 | 35   | 38 | 35   | 35 | 29,55 | ✓       | -       |
| 32.3032ÜK | 32 | 30 | 70 | 35   | 38 | 35   | 35 | 29,55 | ✓       | -       |
| 32.4026ÜK | 26 | 40 | 85 | 42,5 | 48 | 42,5 | 35 | 29,55 | ✓       | -       |
| 32.4032ÜK | 32 | 40 | 85 | 42,5 | 48 | 42,5 | 35 | 29,55 | ✓       | -       |

WEITERE GRÖSSEN AUF ANFRAGE  
FURTHER SIZES ON REQUEST

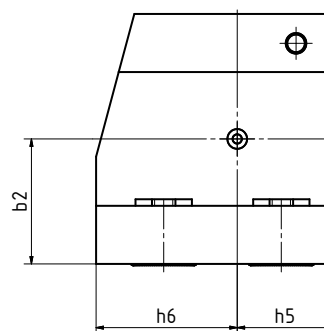
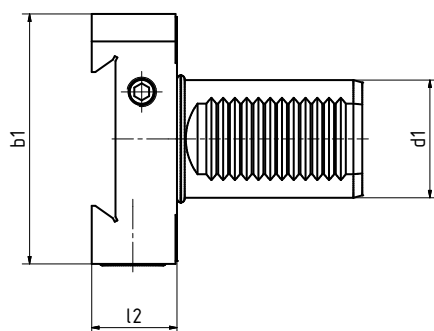
## Rubrik 1 // Section 1



### Grundhalter für Queraufnahme // Basic Toolholder for Diagonal Adaptor

ISO 10889  
DIN 69 880  
rechts  
rechtslauf drehen

ISO 10889  
DIN 69880  
right hand  
CW turning



### Mit Außenkühlung EK // With external coolant EC

| Nr. / No. | d1 | b1 | b2   | h5   | h6 | l2 | EK / EC | IK / IC |
|-----------|----|----|------|------|----|----|---------|---------|
| 32.16.1   | 16 | 42 | 23   | 20   | 22 | 24 | ✓       | ✓       |
| 32.30.1   | 30 | 70 | 35   | 28   | 38 | 28 | ✓       | ✓       |
| 32.40.1   | 40 | 85 | 42,5 | 32,5 | 48 | 29 | ✓       | ✓       |

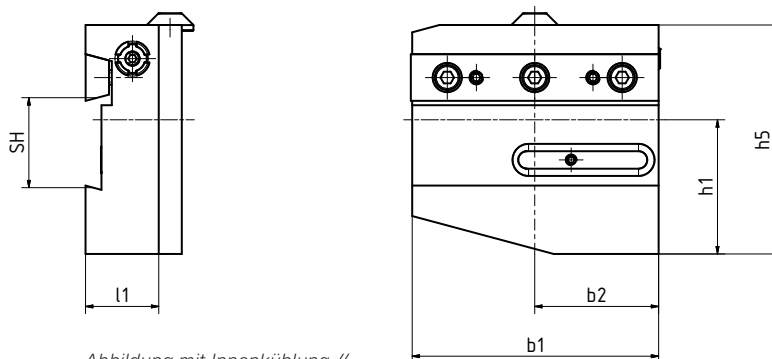
WEITERE GRÖSSEN AUF ANFRAGE  
FURTHER SIZES ON REQUEST



## Wechselhalter // Infeed Toolholder

ISO 10889  
DIN 69 880  
rechts  
linkslauf drehen

ISO 10889  
DIN 69880  
right hand  
CCW turning



### Mit Innen- und Außenkühlung IK/EK // With internal and external coolant IC/EC

| Nr. / No.    | Für/For | SH | b1   | b2   | h1 | h5   | l1   | EK / EC | IK / IC |
|--------------|---------|----|------|------|----|------|------|---------|---------|
| 32.312SH32IK | 32.30.1 | 32 | 69,5 | 35   | 37 | 63   | 25   | ✓       | ✓       |
| 32.412SH32IK | 32.40.1 | 32 | 84,5 | 42,5 | 47 | 78,5 | 25,1 | ✓       | ✓       |

### Mit Außenkühlung EK // With external coolant EC

| Nr. / No.  | Für/For | SH | b1   | b2   | h1 | h5   | l1   | EK / EC | IK / IC |
|------------|---------|----|------|------|----|------|------|---------|---------|
| 32.112SH19 | 32.16.1 | 19 | 41,5 | 23   | 21 | 42   | 16   | ✓       | -       |
| 32.112SH26 | 32.16.1 | 26 | 41,5 | 23   | 29 | 50   | 16   | ✓       | -       |
| 32.312SH26 | 32.30.1 | 26 | 69,5 | 35   | 37 | 63   | 25   | ✓       | -       |
| 32.312SH32 | 32.30.1 | 32 | 69,5 | 35   | 37 | 63   | 25   | ✓       | -       |
| 32.412SH26 | 32.40.1 | 26 | 84,5 | 42,5 | 47 | 78,5 | 25   | ✓       | -       |
| 32.412SH32 | 32.40.1 | 32 | 84,5 | 42,5 | 47 | 78,5 | 25,1 | ✓       | -       |

WEITERE GRÖSSEN AUF ANFRAGE  
FURTHER SIZES ON REQUEST

## Rubrik 1 // Section 1



### Wechselhalter überkopf // Infeed Toolholder, overhead

ISO 10889  
DIN 69 880  
rechts

ISO 10889  
DIN 69880  
right hand

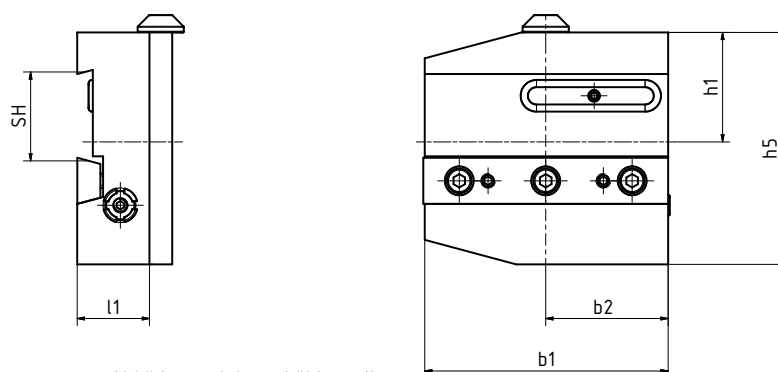


Abbildung mit Innenkühlung //  
Shown with internal coolant



### Mit Innen- und Außenkühlung IK/EK // With internal and external coolant IC/EC

| Nr. / No.      | Für/For | SH | b1   | b2   | h1 | h5   | l1 | EK / EC | IK / IC |
|----------------|---------|----|------|------|----|------|----|---------|---------|
| 32.412SH26ÜKIK | 32.40.1 | 26 | 84,5 | 42,5 | 38 | 80,5 | 25 | ✓       | ✓       |
| 32.412SH32ÜKIK | 32.40.1 | 32 | 99   | 50   | 40 | 88,5 | 25 | ✓       | ✓       |

### Mit Außenkühlung EK // With external coolant EC

| Nr. / No.    | Für/For | SH | b1   | b2   | h1 | h5   | l1   | EK / EC | IK / IC |
|--------------|---------|----|------|------|----|------|------|---------|---------|
| 32.112SH19ÜK | 32.16.1 | 19 | 41,5 | 23   | 21 | 42   | 16   | ✓       | -       |
| 32.312SH26ÜK | 32.30.1 | 26 | 69,5 | 35   | 37 | 72   | 25   | ✓       | -       |
| 32.312SH32ÜK | 32.30.1 | 32 | 69,5 | 35   | 37 | 72   | 25   | ✓       | -       |
| 32.412SH26ÜK | 32.40.1 | 26 | 84,5 | 42,5 | 38 | 80,5 | 25   | ✓       | -       |
| 32.412SH32ÜK | 32.40.1 | 32 | 84,5 | 42,5 | 38 | 80,5 | 25,1 | ✓       | -       |

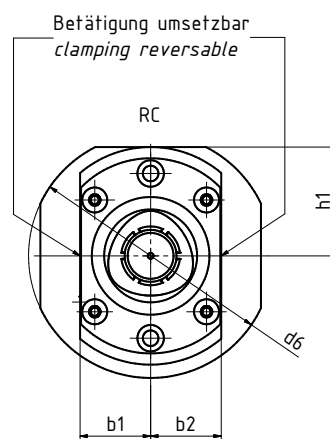
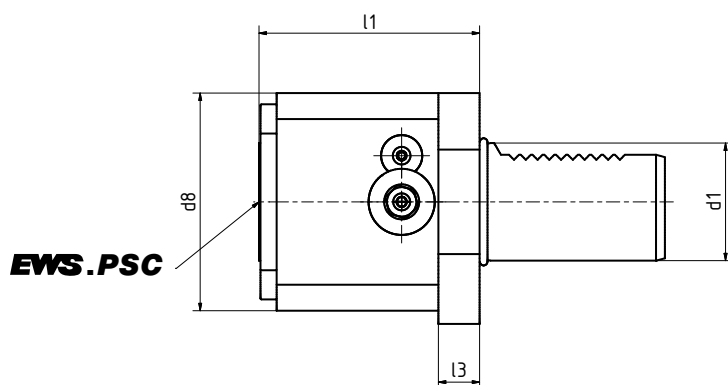
WEITERE GRÖSSEN AUF ANFRAGE  
FURTHER SIZES ON REQUEST



## EWS.PSC // EWS.PSC

ISO 10889  
DIN 69 880  
rechts

ISO 10889  
DIN 69880  
right hand



**Mit Innenkühlung IK //**  
**With internal coolant IC**

| Nr. / No.   | d1 | C  | d6 | d8 | h1 | l1 | l3 | b1 | b2 | EK / EC | IK / IC |
|-------------|----|----|----|----|----|----|----|----|----|---------|---------|
| 19.25C3L60R | 25 | C3 | 58 | 55 | 25 | 60 | 15 | 19 | 19 | -       | ✓       |
| 19.30C3L65R | 30 | C3 | 68 | 55 | 28 | 65 | 15 | 19 | 19 | -       | ✓       |
| 19.40C4L75R | 40 | C4 | 83 | 74 | 37 | 75 | 14 | 24 | 24 | -       | ✓       |
| 19.50C5L85R | 50 | C5 | 98 | 84 | 42 | 85 | 15 | 32 | 32 | -       | ✓       |

WEITERE GRÖSSEN AUF ANFRAGE  
FURTHER SIZES ON REQUEST

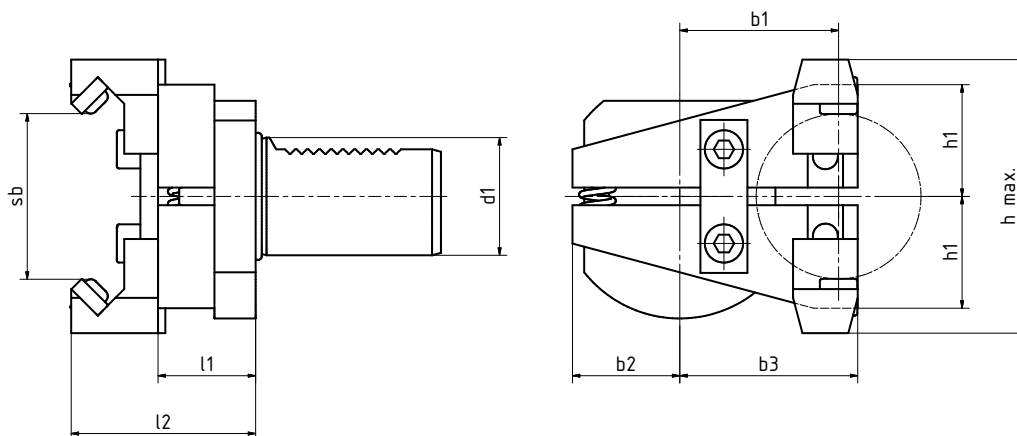
## Rubrik 1 // Section 1



### Stangengreifer // Bar pick-up

ISO 10889  
DIN 69880  
rechts

ISO 10889  
DIN 69880  
right hand



### Mit Außenkühlung EK // With external coolant EC

| Nr. / No. | d1 | b1   | b2   | b3   | h1   | l1 | l2    | im Lieferumfang<br>enthalten | ab<br>Spannbereich | h max. |
|-----------|----|------|------|------|------|----|-------|------------------------------|--------------------|--------|
| SG-1636R  | 16 | 28,5 | 26,5 | 35   | 27,5 | 27 | 52    | GRA-22                       | 2-22               | 60     |
| SG-2042R  | 20 | 54   | 37   | 61   | 38   | 33 | 59    | GRA-42                       | 2-42               | 85     |
| SG-2565R  | 25 | 45   | 45,5 | 51,5 | 38   | 33 | 59    | GRA-42                       | 2-42               | 85     |
| SG-3065R  | 30 | 54   | 36,5 | 60,5 | 38   | 33 | 59    | GRA-42                       | 2-42               | 85     |
| SG-4085R  | 40 | 54   | 36,5 | 60,5 | 38   | 33 | 59/63 | GRA-42/GRA-65                | 2-65               | 85/105 |
| SG-5085R  | 50 | 64   | 49   | 70,5 | 38   | 33 | 59/63 | GRA-42/GRA-65                | 2-65               | 85/105 |

| Nr. / No. | ab Spannbereich | h max. | l    | passend für                                          |
|-----------|-----------------|--------|------|------------------------------------------------------|
| GRA-36    | 18-36           | 74     | 24,6 | SG-1636R                                             |
| GRA-42    | Feb 42          | 85     | 26   | SG-2042R, SG-2565R, SG-3065R/L, SG-4085R/L, SG-5085R |
| GRA-65    | 42-65           | 105    | 29,5 | SG-3065R/L, SG-4085R/L, SG-5085R                     |
| GRA-85    | 62-85           | 125    | 29,5 | SG-4085R/L, SG-5085R                                 |





**DIN 69880 / ISO 10889**

**Drehhalter für Scheibenrevolver**

Turning tool holder for disc turret

**1** Revolver hinter der Drehmitte, Klemmbolzen von unten, für linke Werkzeugaufnahmen

Turret behind of the turning center, clamping wedges from below, for left hand tool holder

**2** Revolver vor der Mitte, Klemmbolzen von oben, für linke Werkzeugaufnahmen

Turret in front of the turning center, clamping wedges from the top, for left hand tool holder



**Vierkant-Queraufnahme  
rechtslauf drehen**

Form B2  
links, kurz

**OD-turning tool holder  
CW turning**

Form B2  
left hand, short

1.1.24



**Vierkant-Queraufnahme  
rechtslauf drehen**

Form B6  
links, lang

**OD-turning tool holder  
CW turning**

Form B6  
left hand, long

1.1.25



**Vierkant-Queraufnahme, überkopf  
linkslauf drehen**

Form B4  
links, kurz

**OD-turning tool holder overhead  
CCW turning**

Form B4  
left hand, short

1.1.26



**Vierkant-Queraufnahme  
überkopf, linkslauf drehen**

Form B8  
links, lang

**OD-turning tool holder overhead  
CCW turning**

Form B8  
left hand, long

1.1.27



**Vierkant-Längsaufnahme  
rechtslauf drehen**

Form C2  
links

**OD-turning tool holder  
CW turning**

Form C2  
left hand

1.1.28





**Vierkant-Längsaufnahme überkopf  
linkslauf drehen**

Form C4  
links

**OD-turning tool holder overhead  
CCW turning**

Form C4  
left hand

1.1.29



**Grundhalter für Abstechhalter  
rechtslauf drehen**

links

**Basic holder for Infeed / Cut-off  
tool holder  
CW turning**

left hand

1.1.30



**Grundhalter für Abstechhalter,  
überkopf  
linkslauf drehen**

links

**Basic holder for Infeed / Cut-off tool  
holder, overhead  
CCW turning**

left hand

1.1.31



**EWS.PSC**

links

**EWS.PSC**

left hand

1.1.32



**Stangengreifer**

links

**Bar pick-up**

left hand

1.1.33

## Rubrik 1 // Section 1



### Vierkant-Queraufnahme // Turning tool

ISO 10889  
 DIN 69 880 Teil 3  
 Form B2 links, kurz  
 Rechtslauf drehen

ISO 10889  
 DIN 69880 Part 3  
 Form B2 left hand, short  
 CW turning

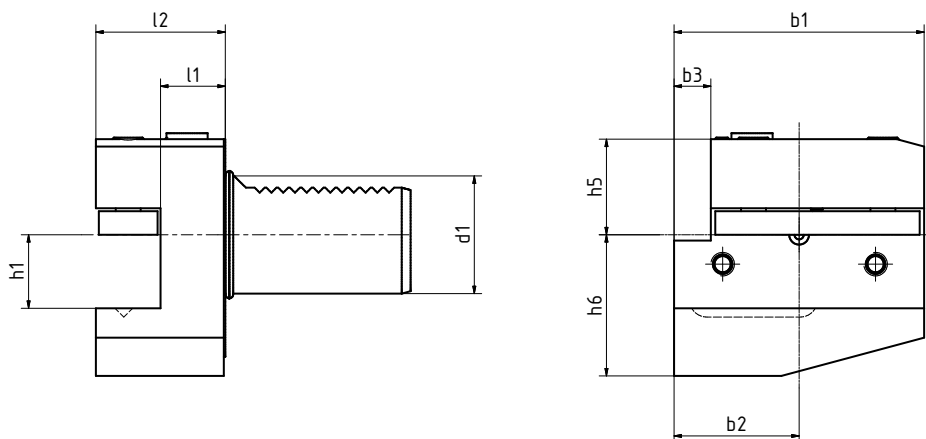


Abbildung mit Innenkühlung //  
 Shown with internal coolant



### Mit Innen- und Außenkühlung IK/EK // With internal and external coolant IC/EC

| Nr. / No. | d1 | b1  | b2   | b3   | h1 | h5   | h6 | l1 | l2 | EK / EC | IK / IC |
|-----------|----|-----|------|------|----|------|----|----|----|---------|---------|
| 8.3020IK  | 30 | 70  | 35   | 10   | 20 | 28   | 38 | 22 | 40 | ✓       | ✓       |
| 8.4025IK  | 40 | 85  | 42,5 | 12,5 | 25 | 32,5 | 48 | 22 | 44 | ✓       | ✓       |
| 8.5032IK  | 50 | 100 | 50   | 16   | 32 | 35   | 60 | 30 | 55 | ✓       | ✓       |

### Mit Außenkühlung EK // With external coolant EC

| Nr. / No. | d1 | b1  | b2   | b3   | h1 | h5   | h6   | l1 | l2 | EK / EC | IK / IC |
|-----------|----|-----|------|------|----|------|------|----|----|---------|---------|
| 8.1612    | 16 | 42  | 23   | 5    | 12 | 20   | 22   | 13 | 24 | ✓       | -       |
| 8.2016/12 | 20 | 55  | 30   | 7    | 16 | 25   | 30   | 16 | 30 | ✓       | -       |
| 8.2516/12 | 25 | 55  | 30   | 7    | 16 | 25   | 30   | 16 | 30 | ✓       | -       |
| 8.3020/16 | 30 | 70  | 35   | 10   | 20 | 28   | 38   | 22 | 40 | ✓       | -       |
| 8.4025/20 | 40 | 85  | 42,5 | 12,5 | 25 | 32,5 | 48   | 22 | 44 | ✓       | -       |
| 8.5032/25 | 50 | 100 | 50   | 16   | 32 | 35   | 60   | 30 | 55 | ✓       | -       |
| 8.6032/25 | 60 | 125 | 62,5 | 16   | 32 | 42,5 | 62,5 | 30 | 60 | ✓       | -       |
| 8.8040/32 | 80 | 160 | 80   | 20   | 40 | 55   | 80   | 40 | 75 | ✓       | -       |

WEITERE GRÖSSEN AUF ANFRAGE  
 FURTHER SIZES ON REQUEST

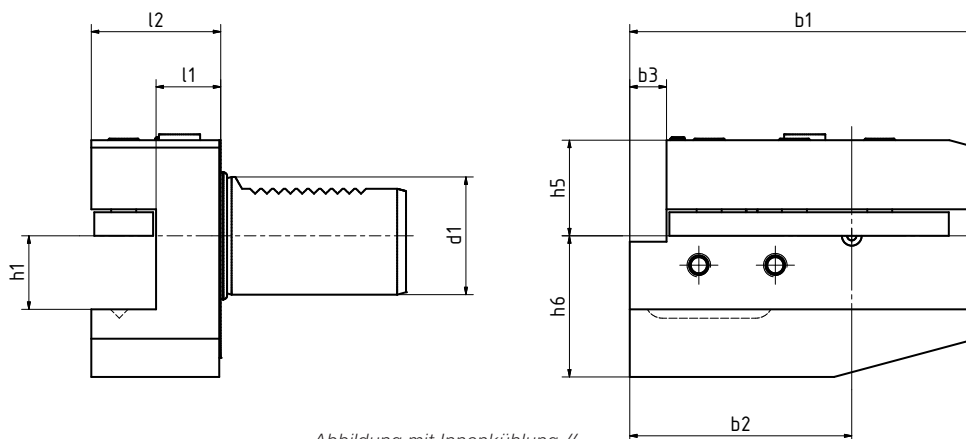


## Vierkant-Queraufnahme //

### Turning tool

ISO 10889  
DIN 69 880 Teil 3  
Form B6 links, lang  
Rechtslauf drehen

ISO 10889  
DIN 69880 Part 3  
Form B6 left hand, long  
CW turning



### Mit Innen- und Außenkühlung IK/EK //

### With internal and external coolant IC/EC

| Nr. / No. | d1 | b1  | b2   | b3   | h1 | h5   | h6 | l1 | l2 | EK / EC | IK / IC |
|-----------|----|-----|------|------|----|------|----|----|----|---------|---------|
| 14.3020IK | 30 | 100 | 65   | 10   | 20 | 28   | 38 | 22 | 40 | ✓       | ✓       |
| 14.4025IK | 40 | 118 | 75,5 | 12,5 | 25 | 32,5 | 48 | 22 | 44 | ✓       | ✓       |
| 14.5032IK | 50 | 130 | 80   | 16   | 32 | 35   | 60 | 30 | 55 | ✓       | ✓       |

### Mit Außenkühlung EK //

### With external coolant EC

| Nr. / No.  | d1 | b1  | b2   | b3   | h1 | h5   | h6   | l1 | l2 | EK / EC | IK / IC |
|------------|----|-----|------|------|----|------|------|----|----|---------|---------|
| 14.1612    | 16 | 58  | 39   | 5    | 12 | 20   | 22   | 13 | 24 | ✓       | -       |
| 14.2016/12 | 20 | 75  | 50   | 7    | 16 | 25   | 30   | 16 | 30 | ✓       | -       |
| 14.3020/16 | 30 | 100 | 65   | 10   | 20 | 28   | 38   | 22 | 40 | ✓       | -       |
| 14.4025/20 | 40 | 118 | 75,5 | 12,5 | 25 | 32,5 | 48   | 22 | 44 | ✓       | -       |
| 14.5032/25 | 50 | 130 | 80   | 16   | 32 | 35   | 60   | 30 | 55 | ✓       | -       |
| 14.6032/25 | 60 | 145 | 82,5 | 16   | 32 | 42,5 | 62,5 | 30 | 60 | ✓       | -       |
| 14.8040/32 | 80 | 190 | 110  | 20   | 40 | 55   | 80   | 40 | 75 | ✓       | -       |

WEITERE GRÖSSEN AUF ANFRAGE  
FURTHER SIZES ON REQUEST

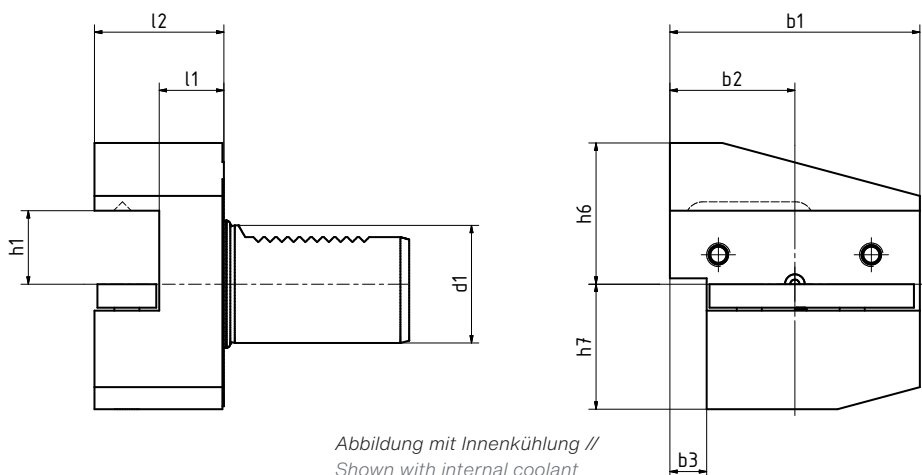
## Rubrik 1 // Section 1



### Vierkant-Queraufnahme, überkopf // Turning tool, overhead

ISO 10889  
 DIN 69 880 Teil 3  
 Form B4 links, kurz  
 Linkslauf drehen

ISO 10889  
 DIN 69880 Part 3  
 Form B4 left hand, short  
 CCW turning



### Mit Innen- und Außenkühlung IK/EK // With internal and external coolant IC/EC

| Nr. / No. | d1 | b1  | b2   | b3   | h1 | h6 | h7   | l1 | l2 | EK / EC | IK / IC |
|-----------|----|-----|------|------|----|----|------|----|----|---------|---------|
| 7.3020IK  | 30 | 70  | 35   | 10   | 20 | 38 | 35   | 22 | 40 | ✓       | ✓       |
| 7.4025IK  | 40 | 85  | 42,5 | 12,5 | 25 | 48 | 42,5 | 22 | 44 | ✓       | ✓       |
| 7.5032IK  | 50 | 100 | 50   | 16   | 32 | 60 | 50   | 30 | 55 | ✓       | ✓       |

### Mit Außenkühlung EK // With external coolant EC

| Nr. / No. | d1 | b1  | b2   | b3   | h1 | h6   | h7   | l1 | l2 | EK / EC | IK / IC |
|-----------|----|-----|------|------|----|------|------|----|----|---------|---------|
| 7.1612    | 16 | 42  | 23   | 5    | 12 | 22   | 20   | 13 | 24 | ✓       | -       |
| 7.2016/12 | 20 | 55  | 30   | 7    | 16 | 30   | 25   | 16 | 30 | ✓       | -       |
| 7.2516/12 | 25 | 55  | 30   | 7    | 16 | 30   | 25   | 16 | 30 | ✓       | -       |
| 7.3020/16 | 30 | 70  | 35   | 10   | 20 | 38   | 35   | 22 | 40 | ✓       | -       |
| 7.4025/20 | 40 | 85  | 42,5 | 12,5 | 25 | 48   | 42,5 | 22 | 44 | ✓       | -       |
| 7.5032/25 | 50 | 100 | 50   | 16   | 32 | 60   | 50   | 30 | 55 | ✓       | -       |
| 7.6032/25 | 60 | 125 | 62,5 | 16   | 32 | 62,5 | 62,5 | 30 | 60 | ✓       | -       |
| 7.8040/32 | 80 | 160 | 80   | 20   | 40 | 80   | 80   | 40 | 75 | ✓       | -       |

WEITERE GRÖSSEN AUF ANFRAGE  
 FURTHER SIZES ON REQUEST

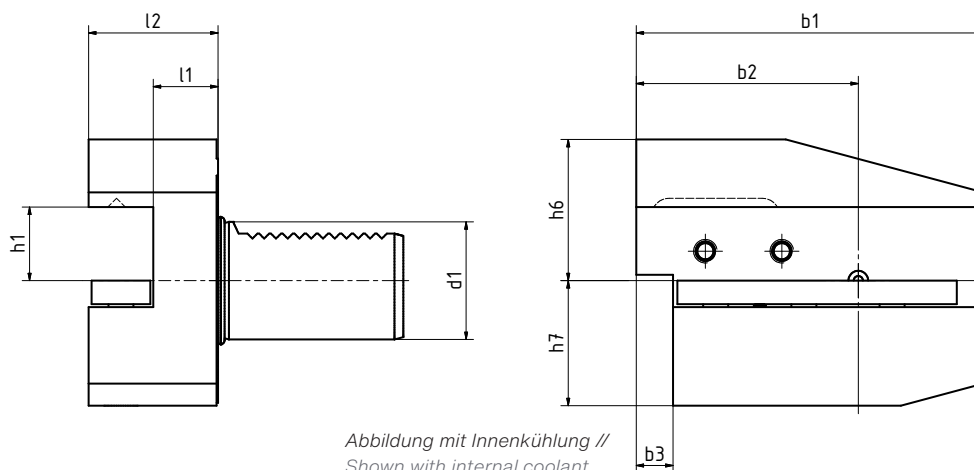


## Vierkant-Queraufnahme, überkopf //

### Turning tool, overhead

ISO 10889  
DIN 69 880 Teil 3  
Form B8 links, lang  
Linkslauf drehen

ISO 10889  
DIN 69880 Part 3  
Form B8 left hand, long  
CCW turning



### Mit Innen- und Außenkühlung IK/EK //

### With internal and external coolant IC/EC

| Nr. / No. | d1 | b1  | b2   | b3   | h1 | h6 | h7   | l1 | l2 | EK / EC | IK / IC |
|-----------|----|-----|------|------|----|----|------|----|----|---------|---------|
| 13.3020IK | 30 | 100 | 65   | 10   | 20 | 38 | 35   | 22 | 40 | ✓       | ✓       |
| 13.4025IK | 40 | 118 | 75,5 | 12,5 | 25 | 48 | 42,5 | 22 | 44 | ✓       | ✓       |
| 13.5032IK | 50 | 130 | 80   | 16   | 32 | 60 | 50   | 30 | 55 | ✓       | ✓       |

### Mit Außenkühlung EK //

### With external coolant EC

| Nr. / No.  | d1 | b1  | b2   | b3   | h1 | h6   | h7   | l1 | l2 | EK / EC | IK / IC |
|------------|----|-----|------|------|----|------|------|----|----|---------|---------|
| 13.1612    | 16 | 58  | 39   | 5    | 12 | 22   | 20   | 13 | 24 | ✓       | -       |
| 13.2016/12 | 20 | 75  | 50   | 7    | 16 | 30   | 25   | 16 | 30 | ✓       | -       |
| 13.2516/12 | 25 | 75  | 50   | 7    | 16 | 30   | 25   | 16 | 30 | ✓       | -       |
| 13.3020/16 | 30 | 100 | 65   | 10   | 20 | 38   | 35   | 22 | 40 | ✓       | -       |
| 13.4025/20 | 40 | 118 | 75,5 | 12,5 | 25 | 48   | 42,5 | 22 | 44 | ✓       | -       |
| 13.5032/25 | 50 | 130 | 80   | 16   | 32 | 60   | 50   | 30 | 55 | ✓       | -       |
| 13.6032/25 | 60 | 145 | 82,5 | 16   | 32 | 62,5 | 62,5 | 30 | 60 | ✓       | -       |
| 13.8040/32 | 80 | 190 | 110  | 20   | 40 | 80   | 80   | 40 | 75 | ✓       | -       |

WEITERE GRÖSSEN AUF ANFRAGE  
FURTHER SIZES ON REQUEST

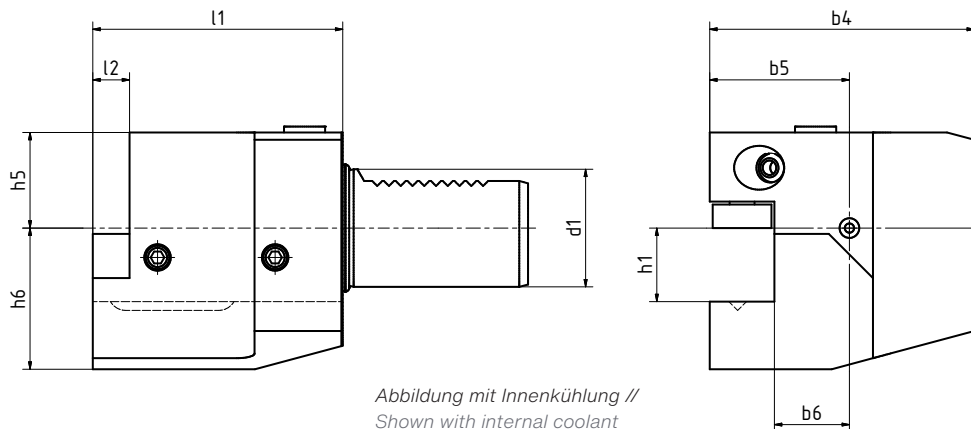
## Rubrik 1 // Section 1



### Vierkant-Längsaufnahme // Turning Toolholder for Square Tool

ISO 10889  
DIN 69 880 Teil 4  
Form C2 links,  
Rechtslauf drehen

ISO 10889  
DIN 69880 Part 4  
Form C2 left hand,  
CW turning



### Mit Innen- und Außenkühlung IK/EK // With internal and external coolant IC/EC

| Nr. / No. | d1 | b4  | b5   | b6   | h1 | h6   | h7 | l1  | l2   | EK / EC | IK / IC |
|-----------|----|-----|------|------|----|------|----|-----|------|---------|---------|
| 4.3020IK  | 30 | 76  | 41   | 23   | 20 | 28   | 38 | 70  | 10   | ✓       | ✓       |
| 4.4025IK  | 40 | 90  | 47,5 | 25,5 | 25 | 32,5 | 48 | 85  | 12,5 | ✓       | ✓       |
| 4.5032IK  | 50 | 105 | 55   | 30,5 | 32 | 35   | 60 | 100 | 16   | ✓       | ✓       |

### Mit Außenkühlung EK // With external coolant EC

| Nr. / No. | d1 | b4  | b5   | b6   | h1 | h5   | h6   | l1  | l2   | EK / EC | IK / IC |
|-----------|----|-----|------|------|----|------|------|-----|------|---------|---------|
| 4.1612    | 16 | 43  | 24   | 13   | 12 | 20   | 22   | 44  | 5    | ✓       | -       |
| 4.2016/12 | 20 | 65  | 40   | 26   | 16 | 25   | 30   | 50  | -    | ✓       | -       |
| 4.2516/12 | 25 | 58  | 33   | 19   | 16 | 25   | 30   | 55  | 7    | ✓       | -       |
| 4.3020/16 | 30 | 76  | 41   | 23   | 20 | 28   | 38   | 70  | 10   | ✓       | -       |
| 4.4025/20 | 40 | 90  | 47,5 | 25,5 | 25 | 32,5 | 48   | 85  | 12,5 | ✓       | -       |
| 4.5032/25 | 50 | 105 | 55   | 30,5 | 32 | 35   | 60   | 100 | 16   | ✓       | -       |
| 4.6032/25 | 60 | 125 | 62,5 | 32,5 | 32 | 42,5 | 62,5 | 125 | 16   | ✓       | -       |
| 4.8040/32 | 80 | 160 | 80   | 41   | 40 | 55   | 80   | 160 | 20   | ✓       | -       |

WEITERE GRÖSSEN AUF ANFRAGE  
FURTHER SIZES ON REQUEST



## Vierkant-Längsaufnahme, überkopf //

### Turning Toolholder for Square Tool, overhead

ISO 10889  
DIN 69 880 Teil 4  
Form C4 links,  
Linkslauf drehen

ISO 10889  
DIN 69880 Part 4  
Form C4 left hand,  
CCW turning

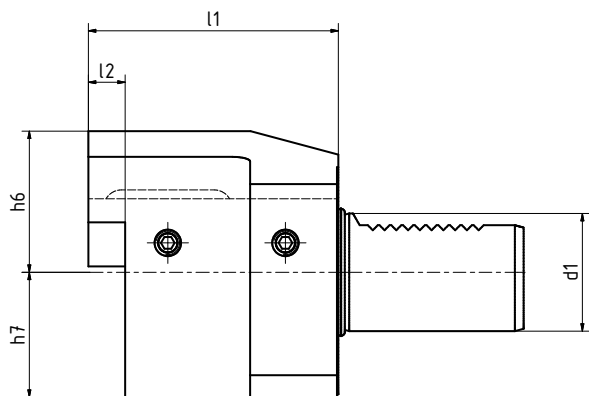
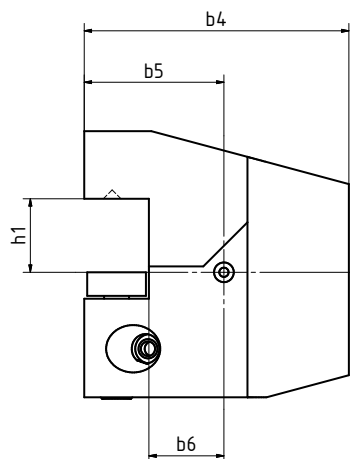


Abbildung mit Innenkühlung //

Shown with internal coolant



### Mit Innen- und Außenkühlung IK/EK //

### With internal and external coolant IC/EC

| Nr. / No. | d1 | b4  | b5   | b6   | h1 | h6 | h7   | l1  | l2   | EK / EC | IK / IC |
|-----------|----|-----|------|------|----|----|------|-----|------|---------|---------|
| 3.2516IK  | 25 | 58  | 33   | 19   | 16 | 30 | 25   | 55  | 7    | ✓       | ✓       |
| 3.3020IK  | 30 | 76  | 41   | 23   | 20 | 38 | 35   | 70  | 10   | ✓       | ✓       |
| 3.4025IK  | 40 | 90  | 47,5 | 25,5 | 25 | 48 | 42,5 | 85  | 12,5 | ✓       | ✓       |
| 3.5032IK  | 50 | 105 | 55   | 30,5 | 32 | 60 | 50   | 100 | 16   | ✓       | ✓       |

### Mit Außenkühlung EK //

### With external coolant EC

| Nr. / No. | d1 | b4  | b5   | b6   | h1 | h6   | h7   | l1  | l2   | EK / EC | IK / IC |
|-----------|----|-----|------|------|----|------|------|-----|------|---------|---------|
| 3.1612    | 16 | 43  | 24   | 13   | 12 | 22   | 20   | 44  | 5    | ✓       | -       |
| 3.2016/12 | 20 | 65  | 40   | 26   | 16 | 30   | 25   | 50  | -    | ✓       | -       |
| 3.2516/12 | 25 | 58  | 33   | 19   | 16 | 30   | 25   | 55  | 7    | ✓       | -       |
| 3.3020/16 | 30 | 76  | 41   | 23   | 20 | 38   | 35   | 70  | 10   | ✓       | -       |
| 3.4025/20 | 40 | 90  | 47,5 | 25,5 | 25 | 48   | 42,5 | 85  | 12,5 | ✓       | -       |
| 3.5032/25 | 50 | 105 | 55   | 30,5 | 32 | 60   | 50   | 100 | 16   | ✓       | -       |
| 3.6032/25 | 60 | 125 | 62,5 | 32,5 | 32 | 62,5 | 62,5 | 125 | 16   | ✓       | -       |
| 3.8040/32 | 80 | 160 | 80   | 41   | 40 | 80   | 80   | 160 | 20   | ✓       | -       |

WEITERE GRÖSSEN AUF ANFRAGE  
FURTHER SIZES ON REQUEST

## Rubrik 1 // Section 1



### Grundhalter für Abstechhalter // Basic Holder for Cutoff Toolholder

ISO 10889  
DIN 69 880  
links  
rechtslauf drehen

ISO 10889  
DIN 69880  
left hand  
CW turning

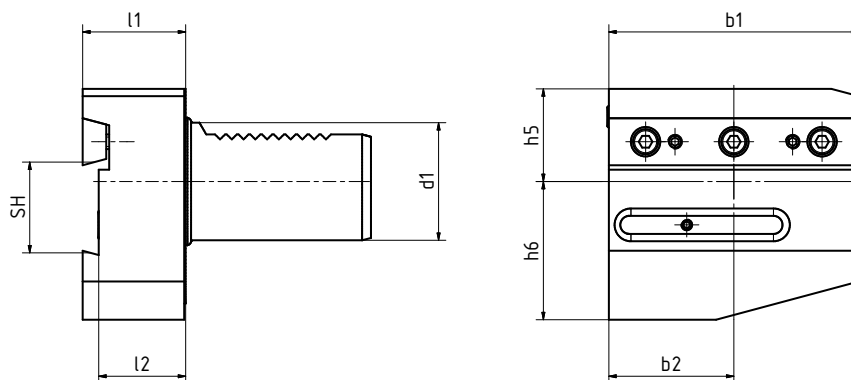


Abbildung mit Innenkühlung //  
Shown with internal coolant



### Mit Innen- und Außenkühlung IK/EK // With internal and external coolant IC/EC

| Nr. / No.  | SH | d1 | b1 | b2   | h5   | h6 | l1 | l2    | EK / EC | IK / IC |
|------------|----|----|----|------|------|----|----|-------|---------|---------|
| 32.3026LIK | 26 | 30 | 70 | 35   | 26   | 37 | 35 | 29,55 | ✓       | ✓       |
| 32.3032LIK | 32 | 30 | 70 | 35   | 26   | 37 | 35 | 29,55 | ✓       | ✓       |
| 32.4032LIK | 32 | 40 | 85 | 42,5 | 31,5 | 47 | 35 | 29,55 | ✓       | ✓       |

### Mit Außenkühlung EK // With external coolant EC

| Nr. / No. | SH | d1 | b1 | b2   | h5   | h6 | l1 | l2    | EK / EC | IK / IC |
|-----------|----|----|----|------|------|----|----|-------|---------|---------|
| 32.3026L  | 26 | 30 | 70 | 35   | 26   | 37 | 35 | 29,55 | ✓       | -       |
| 32.3032L  | 32 | 30 | 70 | 35   | 26   | 37 | 35 | 29,55 | ✓       | -       |
| 32.4032L  | 32 | 40 | 85 | 42,5 | 31,5 | 47 | 35 | 29,55 | ✓       | -       |

WEITERE GRÖSSEN AUF ANFRAGE  
FURTHER SIZES ON REQUEST

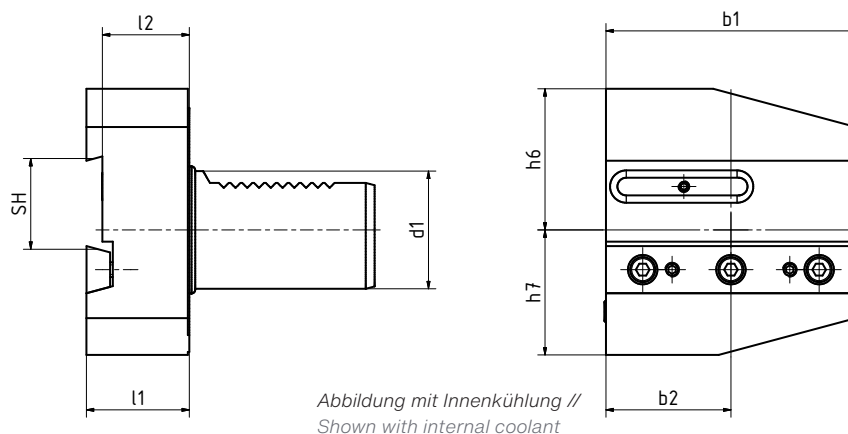




## Grundhalter für Abstechhalter, überkopf // Basic Holder for Cutoff Toolholder, overhead

ISO 10889  
DIN 69 880  
links  
linkslauf drehen

ISO 10889  
DIN 69880  
left hand  
CCW turning



### Mit Innen- und Außenkühlung IK/EK // With internal and external coolant IC/EC

| Nr. / No.    | SH | d1 | b1 | b2   | h6 | h7   | l1 | l2    | EK / EC | IK / IC |
|--------------|----|----|----|------|----|------|----|-------|---------|---------|
| 32.4032LÜKIK | 32 | 40 | 85 | 42,5 | 48 | 42,5 | 35 | 29,55 | ✓       | ✓       |

### Mit Außenkühlung EK // With external coolant EC

| Nr. / No.  | SH | d1 | b1 | b2   | h6 | h7   | l1 | l2    | EK / EC | IK / IC |
|------------|----|----|----|------|----|------|----|-------|---------|---------|
| 32.4032LÜK | 32 | 40 | 85 | 42,5 | 48 | 42,5 | 35 | 29,55 | ✓       | -       |

WEITERE GRÖSSEN AUF ANFRAGE  
FURTHER SIZES ON REQUEST

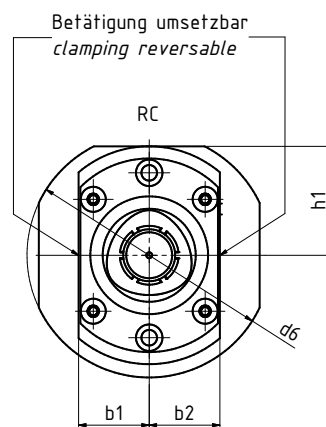
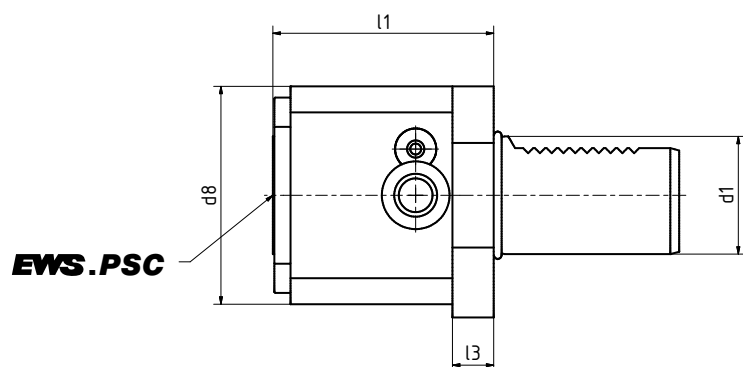


## EWS.PSC //

### EWS.PSC

ISO 10889  
DIN 69 880  
links

ISO 10889  
DIN 69880  
left hand



**Mit Innenkühlung IK //**  
**With internal coolant IC**

| Nr. / No.   | d1 | C  | d6 | d8 | h1 | l2 | l3 | b1 | b2 | EK / EC | IK / IC |
|-------------|----|----|----|----|----|----|----|----|----|---------|---------|
| 19.25C3L60L | 25 | C3 | 58 | 55 | 25 | 60 | 15 | 19 | 19 | -       | ✓       |
| 19.30C3L65L | 30 | C3 | 68 | 55 | 28 | 65 | 15 | 19 | 19 | -       | ✓       |
| 19.40C4L75L | 40 | C4 | 83 | 74 | 37 | 75 | 14 | 24 | 24 | -       | ✓       |
| 19.50C5L85L | 50 | C5 | 98 | 84 | 42 | 85 | 15 | 32 | 32 | -       | ✓       |

WEITERE GRÖSSEN AUF ANFRAGE  
FURTHER SIZES ON REQUEST

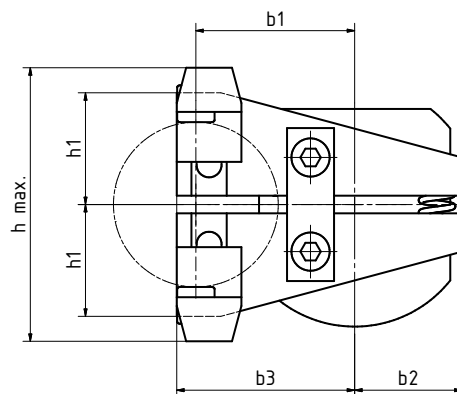
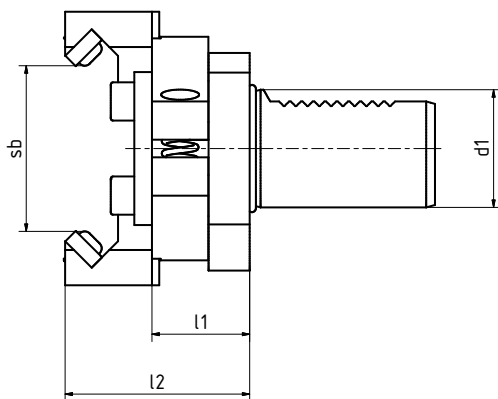


## Stangengreifer //

### Bar pick-up

ISO 10889  
DIN 69880  
links

ISO 10889  
DIN 69880  
left hand



### Mit Außenkühlung EK //

### With external coolant EC

| Nr. / No. | d1 | b1 | b2   | b3   | h1 | l1 | l2    | im Lieferumfang<br>enthalten | ab<br>Spannbereich | h max. |
|-----------|----|----|------|------|----|----|-------|------------------------------|--------------------|--------|
| SG-3065L  | 30 | 41 | 49,5 | 47,5 | 38 | 33 | 59    | GRA-42                       | 2-42               | 85     |
| SG-4085L  | 40 | 54 | 36,5 | 60,5 | 38 | 33 | 59/63 | GRA-42/GRA-65                | 2-65               | 85/105 |

WEITERE GRÖSSEN AUF ANFRAGE  
FURTHER SIZES ON REQUEST

| Nr. / No. | ab Spannbereich | h max. | l    | passend für                                          |
|-----------|-----------------|--------|------|------------------------------------------------------|
| GRA-42    | Feb 42          | 85     | 26   | SG-2042R, SG-2565R, SG-3065R/L, SG-4085R/L, SG-5085R |
| GRA-65    | 42-65           | 105    | 29,5 | SG-3065R/L, SG-4085R/L, SG-5085R                     |
| GRA-85    | 62-85           | 125    | 29,5 | SG-4085R/L, SG-5085R                                 |



**DIN 69880 / ISO 10889**

Drehhalter für Scheibenrevolver  
Turning toolholder for disc turret

Universale Werkzeugsysteme, auf beiden  
Revolvertypen einsetzbar

Universal tool holder systems, usable on both  
types of turret



**Vierkant-Mehrfachaufnahme**

Form D1

**Multi Purpose Square Toolholder**

Form D1

1.1.38



**Zylinderaufnahme**

Innenkühlung verschließbar

Form E2

**Side Lock Adaptor**

Internal cooling lockable

Form E2

1.1.39



**Bohrstangenhalter, überkopf**

Doppelschraubenreihe  
Innenkühlung

**Boring Bar Holder, overhead**

Double screw row  
Internal cooling

1.1.41



**Vierkant-Mehrfachaufnahme**

Form D1

**Multi Purpose Square Toolholder**

Form D1

1.1.42



**EWS Varia VX  
Adapter**

**EWS Varia VX  
Adaptor**

1.1.43



Hydro-Dehnspannfutter

1.1.44



Bohrstangenhalter

lang

Boring Bar Holder

long

1.1.46



Reduzierhülse

Reducing Sleeve

1.1.47



Vollbohrerhalter

Form E1

U-drill holder

Form E1

1.1.50



Werkzeughalter mit Zylinderschaft

Whistle Notch, DIN 1835E

Toolholder with cylindrical shaft

Whistle Notch, DIN 1835E

1.1.52



Kegelaufnahme MK

Form F

Morse Taper Adaptor

Form F

1.1.54



Spannzangenhalter

Form E4

Collet Chuck holder

Form E4

1.1.55



Werkstoffanschlag

Stock Stop

1.1.56



Einrichtehalter  
für Voreinstellgeräte

Setting-Holder  
for presetting equipment

1.1.57



Prüfdorn  
für Revolver

Test mandrel  
for turrets

1.1.58



Stangengreifer

Bar pick up

1.1.59



Kurzbohrfutter

Short drill chuck

1.1.60



Montageblock UMB 100  
und Adapter

Assembly block UMB 100  
and adaptor

1.1.61



Spannzangen  
ISO 15488  
DIN 6499

Collets

ISO 15488  
DIN 6499

1.1.62





## Vierkant-Mehrfachaufnahme // Multi Purpose Square Toolholder for Square Tool

ISO 10889  
DIN 69 880 Teil 5  
Form D1

ISO 10889  
DIN 69880 Part 5  
Form D1

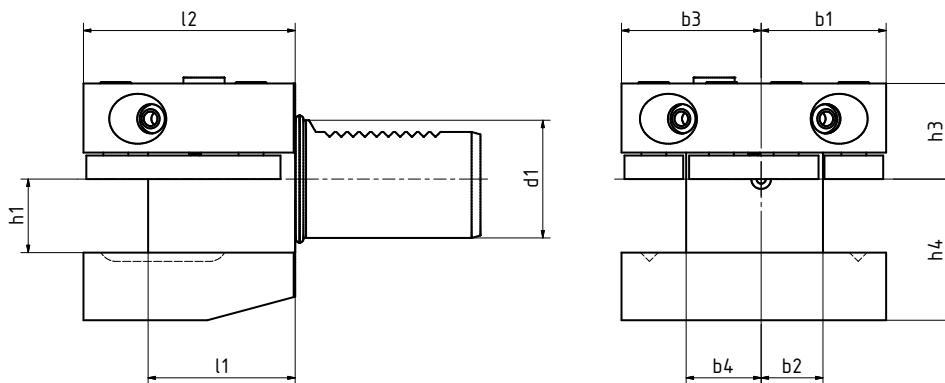


Abbildung mit Innenkühlung //  
Shown with internal coolant



### Mit Innen- und Außenkühlung IK/EK // With internal and external coolant IC/EC

| Nr. / No. | d1 | b1   | b2   | b3   | b4   | h1 | h3   | h4 | l1 | l2 | EK / EC | IK / IC |
|-----------|----|------|------|------|------|----|------|----|----|----|---------|---------|
| 15.2516IK | 25 | 33   | 19   | 33   | 19   | 16 | 25   | 30 | 34 | 48 | ✓       | ✓       |
| 15.3020IK | 30 | 35   | 17   | 41   | 23   | 20 | 28   | 38 | 42 | 60 | ✓       | ✓       |
| 15.4025IK | 40 | 42,5 | 20,5 | 47,5 | 25,5 | 25 | 32,5 | 48 | 50 | 72 | ✓       | ✓       |
| 15.5032IK | 50 | 50   | 25,5 | 55   | 30,5 | 32 | 35   | 60 | 60 | 85 | ✓       | ✓       |

### Mit Außenkühlung EK // With external coolant EC

| Nr. / No.  | d1 | b1   | b2   | b3   | b4   | h1 | h3   | h4   | l1  | l2  | EK / EC | IK / IC |
|------------|----|------|------|------|------|----|------|------|-----|-----|---------|---------|
| 15.2516/12 | 25 | 33   | 19   | 33   | 19   | 16 | 25   | 30   | 34  | 48  | ✓       | -       |
| 15.3020/16 | 30 | 35   | 17   | 41   | 23   | 20 | 28   | 38   | 42  | 60  | ✓       | -       |
| 15.4025/20 | 40 | 42,5 | 20,5 | 47,5 | 25,5 | 25 | 32,5 | 48   | 50  | 72  | ✓       | -       |
| 15.5032/25 | 50 | 50   | 25,5 | 55   | 30,5 | 32 | 35   | 60   | 60  | 85  | ✓       | -       |
| 15.6032/25 | 60 | 57,5 | 32,5 | 57,5 | 32,5 | 32 | 42,5 | 62,5 | 85  | 110 | ✓       | -       |
| 15.8040/32 | 80 | 76   | 41   | 76   | 41   | 40 | 55   | 80   | 105 | 140 | ✓       | -       |

WEITERE GRÖSSEN AUF ANFRAGE  
FURTHER SIZES ON REQUEST

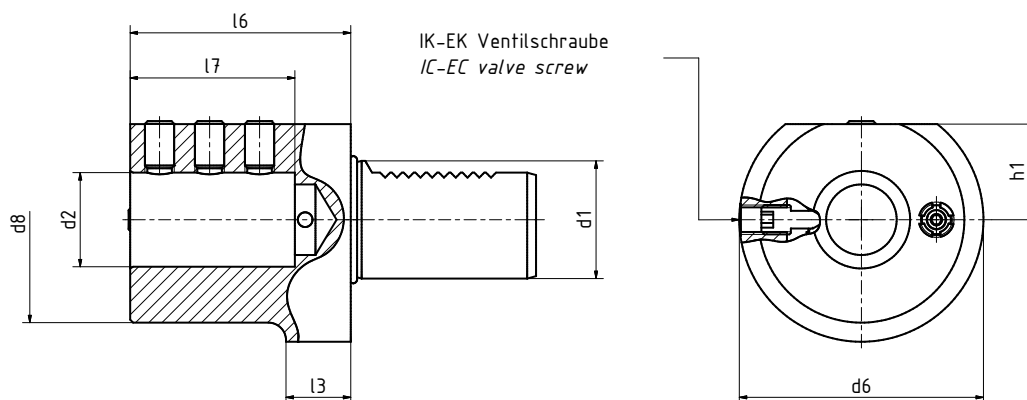




## Zylinderaufnahme // Side Lock Adaptor

ISO 10889  
DIN 69 880 Teil 6  
Form E2 für Drehwerkzeuge  
mit Zylinderschaft

ISO 10889  
DIN 69880 Part 6  
Form E2 for turning-tools  
with cylindrical shaft



**Mit Innen- und Außenkühlung IK/EK //**  
**With internal and external coolant IC/EC**

| Nr. / No. | d1 | d2 | d6 | d8 | h1 | l3 | l6 | l7 | EK / EC | IK / IC |
|-----------|----|----|----|----|----|----|----|----|---------|---------|
| 19.1606   | 16 | 6  | 40 | 32 | 18 | 13 | 44 | 34 | ✓       | ✓       |
| 19.1608   | 16 | 8  | 40 | 32 | 18 | 13 | 44 | 34 | ✓       | ✓       |
| 19.1610   | 16 | 10 | 40 | 32 | 18 | 13 | 44 | 34 | ✓       | ✓       |
| 19.1612   | 16 | 12 | 40 | 40 | 18 | 13 | 44 | 34 | ✓       | ✓       |
| 19.1616   | 16 | 16 | 40 | 40 | 18 | 13 | 44 | 34 | ✓       | ✓       |
| 19.2008   | 20 | 8  | 50 | 40 | 23 | 18 | 50 | 41 | ✓       | ✓       |
| 19.2010   | 20 | 10 | 50 | 40 | 23 | 18 | 50 | 41 | ✓       | ✓       |
| 19.2012   | 20 | 12 | 50 | 40 | 23 | 18 | 50 | 41 | ✓       | ✓       |
| 19.2016   | 20 | 16 | 50 | 40 | 23 | 18 | 50 | 41 | ✓       | ✓       |
| 19.2020   | 20 | 20 | 50 | 45 | 23 | 18 | 50 | 41 | ✓       | ✓       |
| 19.2025   | 20 | 25 | 50 | 45 | 23 | 18 | 60 | 51 | ✓       | ✓       |
| 19.2508   | 25 | 8  | 58 | 40 | 25 | 18 | 50 | 41 | ✓       | ✓       |
| 19.2510   | 25 | 10 | 58 | 40 | 25 | 18 | 50 | 41 | ✓       | ✓       |
| 19.2512   | 25 | 12 | 58 | 40 | 25 | 18 | 50 | 41 | ✓       | ✓       |
| 19.2516   | 25 | 16 | 58 | 40 | 25 | 18 | 50 | 41 | ✓       | ✓       |
| 19.2520   | 25 | 20 | 58 | 58 | 25 | 18 | 50 | 41 | ✓       | ✓       |
| 19.2525   | 25 | 25 | 58 | 58 | 25 | 18 | 60 | 51 | ✓       | ✓       |
| 19.3008   | 30 | 8  | 68 | 55 | 28 | 22 | 60 | 51 | ✓       | ✓       |
| 19.3010   | 30 | 10 | 68 | 55 | 28 | 22 | 60 | 51 | ✓       | ✓       |
| 19.3012   | 30 | 12 | 68 | 55 | 28 | 22 | 60 | 51 | ✓       | ✓       |
| 19.3016   | 30 | 16 | 68 | 55 | 28 | 22 | 60 | 51 | ✓       | ✓       |
| 19.3020   | 30 | 20 | 68 | 55 | 28 | 22 | 60 | 51 | ✓       | ✓       |
| 19.3025   | 30 | 25 | 68 | 55 | 28 | 22 | 60 | 51 | ✓       | ✓       |
| 19.3032   | 30 | 32 | 68 | 62 | 28 | 22 | 75 | 61 | ✓       | ✓       |



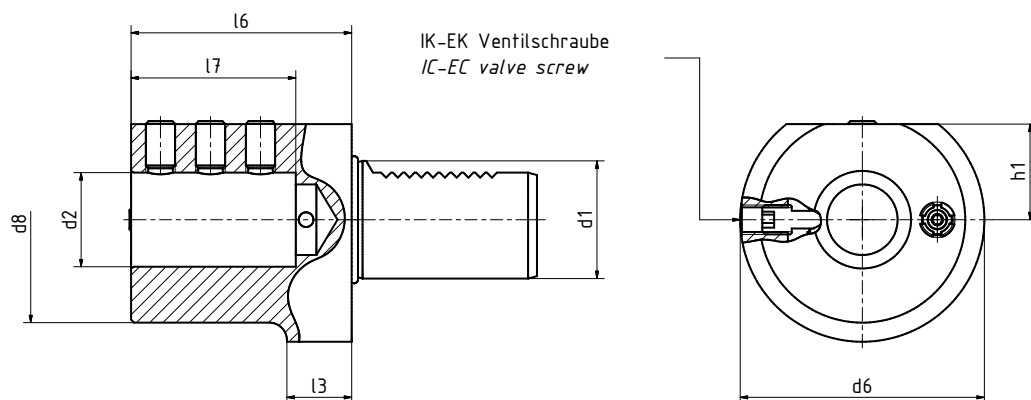
## Rubrik 1 // Section 1



### Zylinderaufnahme // Side Lock Adaptor

ISO 10889  
DIN 69 880 Teil 6  
Form E2 für Drehwerkzeuge  
mit Zylinderschaft

ISO 10889  
DIN 69880 Part 6  
Form E2 for turning-tools  
with cylindrical shaft



**Mit Innen- und Außenkühlung IK/EK //**  
**With internal and external coolant IC/EC**

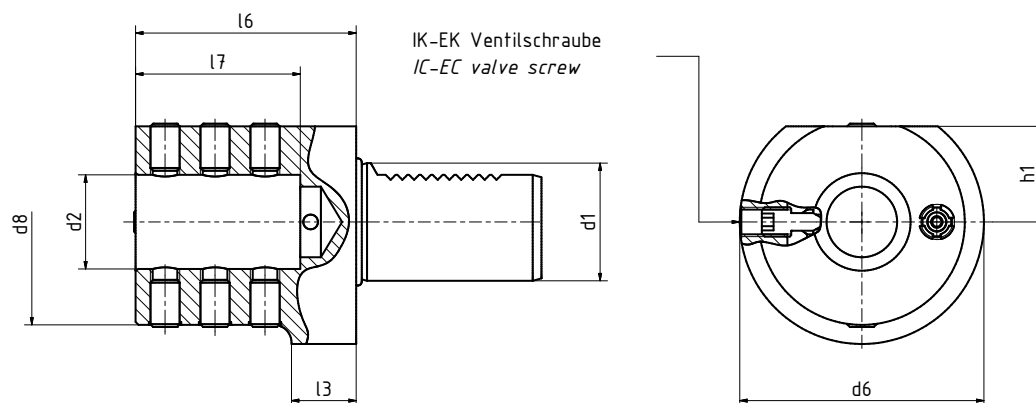
| Nr. / No. | d1 | d2 | d6  | d8 | h1   | l3 | l6  | l7 | EK / EC | IK / IC |
|-----------|----|----|-----|----|------|----|-----|----|---------|---------|
| 19.4008   | 40 | 8  | 83  | 55 | 32,5 | 22 | 75  | 61 | ✓       | ✓       |
| 19.4010   | 40 | 10 | 83  | 55 | 32,5 | 22 | 75  | 61 | ✓       | ✓       |
| 19.4012   | 40 | 12 | 83  | 55 | 32,5 | 22 | 75  | 61 | ✓       | ✓       |
| 19.4016   | 40 | 16 | 83  | 55 | 32,5 | 22 | 75  | 61 | ✓       | ✓       |
| 19.4020   | 40 | 20 | 83  | 55 | 32,5 | 22 | 75  | 61 | ✓       | ✓       |
| 19.4025   | 40 | 25 | 83  | 55 | 32,5 | 22 | 75  | 61 | ✓       | ✓       |
| 19.4032   | 40 | 32 | 83  | 70 | 32,5 | 22 | 75  | 61 | ✓       | ✓       |
| 19.4040   | 40 | 40 | 83  | 70 | 32,5 | 22 | 90  | 76 | ✓       | ✓       |
| 19.5012   | 50 | 12 | 98  | 62 | 38   | 30 | 90  | 76 | ✓       | ✓       |
| 19.5016   | 50 | 16 | 98  | 62 | 35   | 30 | 90  | 76 | ✓       | ✓       |
| 19.5020   | 50 | 20 | 98  | 62 | 35   | 30 | 90  | 76 | ✓       | ✓       |
| 19.5025   | 50 | 25 | 98  | 62 | 35   | 30 | 90  | 76 | ✓       | ✓       |
| 19.5032   | 50 | 32 | 98  | 62 | 35   | 30 | 90  | 76 | ✓       | ✓       |
| 19.5040   | 50 | 40 | 98  | 80 | 35   | 30 | 90  | 76 | ✓       | ✓       |
| 19.5050   | 50 | 50 | 98  | 80 | 35   | 30 | 100 | 86 | ✓       | ✓       |
| 19.6016   | 60 | 16 | 123 | 68 | 42,5 | 30 | 90  | 76 | ✓       | ✓       |
| 19.6020   | 60 | 20 | 123 | 68 | 42,5 | 30 | 90  | 76 | ✓       | ✓       |
| 19.6025   | 60 | 25 | 123 | 68 | 42,5 | 30 | 90  | 76 | ✓       | ✓       |
| 19.6032   | 60 | 32 | 123 | 68 | 42,5 | 30 | 90  | 76 | ✓       | ✓       |
| 19.6040   | 60 | 40 | 123 | 98 | 42,5 | 30 | 90  | 76 | ✓       | ✓       |
| 19.6050   | 60 | 50 | 123 | 98 | 42,5 | 30 | 100 | 86 | ✓       | ✓       |
| 19.8020   | 80 | 20 | 158 | 68 | 55   | 30 | 100 | 86 | ✓       | ✓       |
| 19.8025   | 80 | 25 | 158 | 68 | 55   | 30 | 100 | 86 | ✓       | ✓       |
| 19.8032   | 80 | 32 | 158 | 68 | 55   | 30 | 100 | 86 | ✓       | ✓       |
| 19.8040   | 80 | 40 | 158 | 98 | 55   | 30 | 100 | 86 | ✓       | ✓       |
| 19.8050   | 80 | 50 | 158 | 98 | 55   | 30 | 100 | 86 | ✓       | ✓       |



## Bohrstangenhalter, überkopf // Boring Bar Holder, overhead

ISO 10889  
DIN 69 880  
mit zylindrischer Aufnahme  
Schrauben gegenüberliegend

ISO 10889  
DIN 69880  
with cylindrical Adaptor  
Screws row on the opposite



### Mit Innen- und Außenkühlung IK/EK // With internal and external coolant IC/EC

| Nr. / No. | d1 | d2 | d6 | d8 | h1   | l3 | l6 | l7 | EK / EC | IK / IC |
|-----------|----|----|----|----|------|----|----|----|---------|---------|
| 19.3006ÜK | 30 | 6  | 68 | 55 | 28   | 22 | 60 | 51 | ✓       | ✓       |
| 19.3008ÜK | 30 | 8  | 68 | 55 | 28   | 22 | 60 | 51 | ✓       | ✓       |
| 19.3010ÜK | 30 | 10 | 68 | 55 | 28   | 22 | 60 | 51 | ✓       | ✓       |
| 19.3012ÜK | 30 | 12 | 68 | 55 | 28   | 22 | 60 | 51 | ✓       | ✓       |
| 19.3016ÜK | 30 | 16 | 68 | 55 | 28   | 22 | 60 | 51 | ✓       | ✓       |
| 19.3020ÜK | 30 | 20 | 68 | 55 | 28   | 22 | 60 | 51 | ✓       | ✓       |
| 19.3025ÜK | 30 | 25 | 68 | 55 | 28   | 22 | 60 | 51 | ✓       | ✓       |
| 19.3032ÜK | 30 | 32 | 68 | 62 | 28   | 22 | 75 | 61 | ✓       | ✓       |
| 19.4006ÜK | 40 | 6  | 83 | 55 | 32,5 | 22 | 95 | 80 | ✓       | ✓       |
| 19.4008ÜK | 40 | 8  | 83 | 55 | 32,5 | 22 | 75 | 61 | ✓       | ✓       |
| 19.4010ÜK | 40 | 10 | 83 | 55 | 32,5 | 22 | 75 | 61 | ✓       | ✓       |
| 19.4012ÜK | 40 | 12 | 83 | 55 | 32,5 | 22 | 75 | 61 | ✓       | ✓       |
| 19.4016ÜK | 40 | 16 | 83 | 55 | 32,5 | 22 | 75 | 61 | ✓       | ✓       |
| 19.4020ÜK | 40 | 20 | 83 | 55 | 32,5 | 22 | 75 | 61 | ✓       | ✓       |
| 19.4025ÜK | 40 | 25 | 83 | 55 | 32,5 | 22 | 75 | 61 | ✓       | ✓       |
| 19.4032ÜK | 40 | 32 | 83 | 70 | 32,5 | 22 | 75 | 61 | ✓       | ✓       |
| 19.4040ÜK | 40 | 40 | 83 | 70 | 32,5 | 22 | 90 | 76 | ✓       | ✓       |

WEITERE GRÖSSEN AUF ANFRAGE  
FURTHER SIZES ON REQUEST



## Vierkant-Mehrfachaufnahme //

### Multi Purpose Square Toolholder for Square Tool

ISO 10889  
 DIN 69 880 Teil 5  
 Form D1

ISO 10889  
 DIN 69880 Part 5  
 Form D1

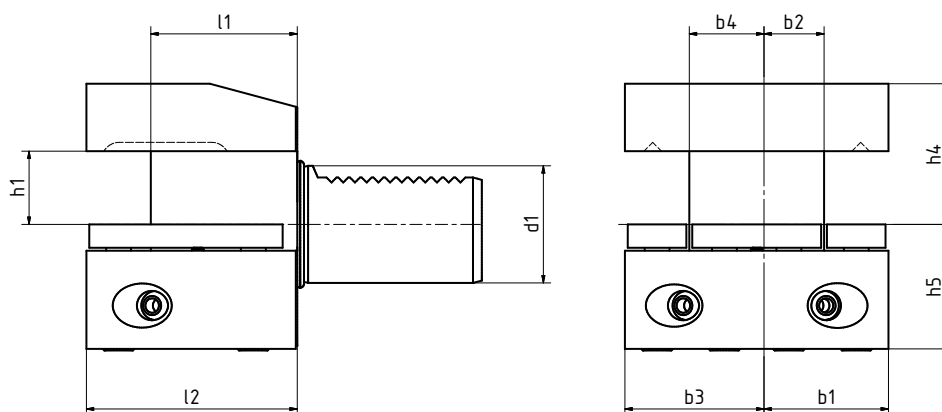


Abbildung mit Innenkühlung //  
 Shown with internal coolant



### Mit Innen- und Außenkühlung IK/EK //

### With internal and external coolant IC/EC

| Nr. / No. | d1 | b1   | b2   | b3   | b4   | h1 | h4 | h5   | l1 | l2 | EK / EC | IK / IC |
|-----------|----|------|------|------|------|----|----|------|----|----|---------|---------|
| 16.3020IK | 30 | 35   | 17   | 41   | 23   | 20 | 38 | 35   | 42 | 60 | ✓       | ✓       |
| 16.4025IK | 40 | 42,5 | 20,5 | 47,5 | 25,5 | 25 | 48 | 42,5 | 50 | 72 | ✓       | ✓       |
| 16.5032IK | 50 | 50   | 25,5 | 55   | 30,5 | 32 | 60 | 50   | 60 | 85 | ✓       | ✓       |

### Mit Außenkühlung EK //

### With external coolant EC

| Nr. / No.  | d1 | b1   | b2   | b3   | b4   | h1 | h4   | h5   | l1  | l2  | EK / EC | IK / IC |
|------------|----|------|------|------|------|----|------|------|-----|-----|---------|---------|
| 16.2516/12 | 25 | 33   | 19   | 33   | 19   | 16 | 30   | 25   | 34  | 48  | ✓       | -       |
| 16.3020/16 | 30 | 35   | 17   | 41   | 23   | 20 | 38   | 35   | 42  | 60  | ✓       | -       |
| 16.4025/20 | 40 | 42,5 | 20,5 | 47,5 | 25,5 | 25 | 48   | 42,5 | 50  | 72  | ✓       | -       |
| 16.5032/25 | 50 | 50   | 25,5 | 55   | 30,5 | 32 | 60   | 50   | 60  | 85  | ✓       | -       |
| 16.6032/25 | 60 | 57,5 | 32,5 | 57,5 | 32,5 | 32 | 62,5 | 62,5 | 85  | 110 | ✓       | -       |
| 16.8040/32 | 80 | 76   | 41   | 76   | 41   | 40 | 80   | 80   | 105 | 140 | ✓       | -       |

WEITERE GRÖSSEN AUF ANFRAGE  
 FURTHER SIZES ON REQUEST

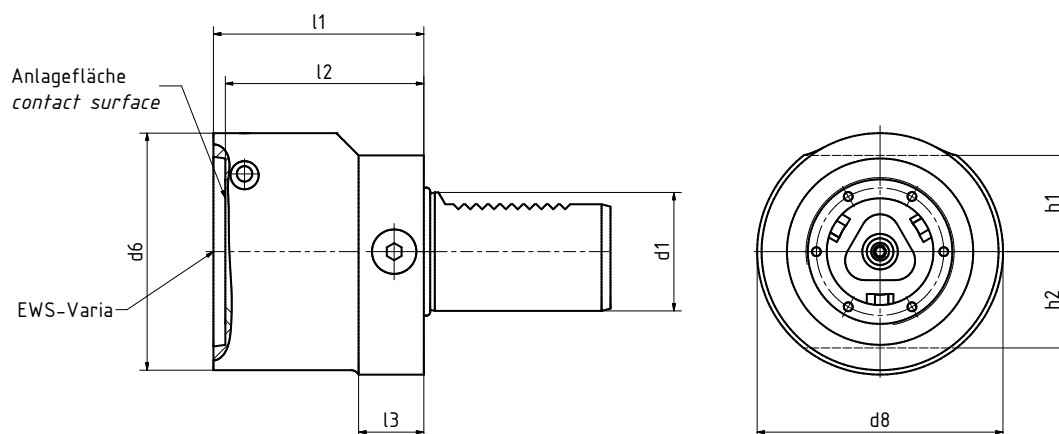


## EWS Varia VX //

## EWS Varia VX

ISO 10889  
DIN 69 880

ISO 10889  
DIN 69880



**Mit Innen- und Außenkühlung IK/EK //**  
**With internal and external coolant IC/EC**

| Nr. / No. | d1 | Varia | d6 | h1 | h2 | l1   | l2   | EK / EC | IK / IC |
|-----------|----|-------|----|----|----|------|------|---------|---------|
| 19.25VXT3 | 25 | VX3   | 65 | 64 | 60 | 25   | 25   | ✓       | ✓       |
| 19.30VXT3 | 30 | VX3   | 68 | 64 | 60 | 30   | 28   | ✓       | ✓       |
| 19.40VXT4 | 40 | VX4   | 83 | 71 | 67 | 32,5 | 41,5 | ✓       | ✓       |
| 19.50V5   | 50 | V5    | 98 | 80 | 80 | 45   | 49   | ✓       | ✓       |

WEITERE GRÖSSEN AUF ANFRAGE  
FURTHER SIZES ON REQUEST

## EWS .Varia VX

**Das Schnellwechselsystem für sicheres  
und schnelles Rüsten!**



Jetzt mit noch größerem  
Standardprogramm an  
Wechselköpfen.

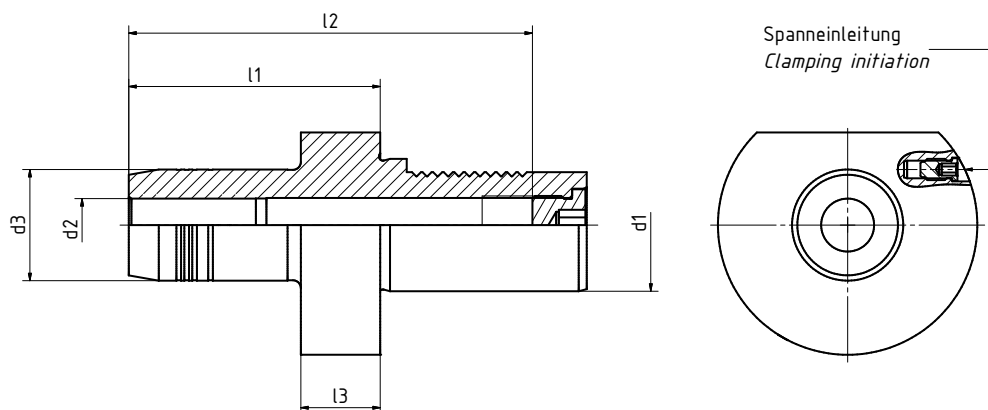




## Hydro-Dehnspannfutter //

### Hydraulic chuck for Square Tool

 ISO 10889  
 DIN 69 880/VDI

 ISO 10889  
 DIN 69880/VDI

**Mit Innenkühlung IK//**  
**With internal coolant IC**

| Nr. / No.  | d1 | d2 | d3 | l1 | l2  | l3 | EK / EC | IK / IC |
|------------|----|----|----|----|-----|----|---------|---------|
| 19.3006HYD | 30 | 6  | 26 | 49 | 85  | 16 | -       | ✓       |
| 19.3008HYD | 30 | 8  | 28 | 49 | 85  | 16 | -       | ✓       |
| 19.3010HYD | 30 | 10 | 30 | 49 | 85  | 16 | -       | ✓       |
| 19.3012HYD | 30 | 12 | 32 | 54 | 85  | 16 | -       | ✓       |
| 19.3014HYD | 30 | 14 | 34 | 54 | 85  | 16 | -       | ✓       |
| 19.3016HYD | 30 | 16 | 38 | 89 | 85  | 16 | -       | ✓       |
| 19.3018HYD | 30 | 18 | 40 | 89 | 85  | 16 | -       | ✓       |
| 19.3020HYD | 30 | 20 | 42 | 89 | 85  | 16 | -       | ✓       |
| 19.3025HYD | 30 | 25 | 50 | 94 | 85  | 16 | -       | ✓       |
| 19.3032HYD | 30 | 32 | 60 | 94 | 80  | 16 | -       | ✓       |
|            |    |    |    |    |     |    |         |         |
| 19.4006HYD | 40 | 6  | 26 | 55 | 90  | 22 | -       | ✓       |
| 19.4008HYD | 40 | 8  | 28 | 55 | 90  | 22 | -       | ✓       |
| 19.4010HYD | 40 | 10 | 30 | 55 | 90  | 22 | -       | ✓       |
| 19.4012HYD | 40 | 12 | 32 | 60 | 95  | 22 | -       | ✓       |
| 19.4014HYD | 40 | 14 | 34 | 60 | 95  | 22 | -       | ✓       |
| 19.4016HYD | 40 | 16 | 38 | 95 | 130 | 22 | -       | ✓       |
| 19.4018HYD | 40 | 18 | 40 | 95 | 130 | 22 | -       | ✓       |
| 19.4020HYD | 40 | 20 | 42 | 95 | 130 | 22 | -       | ✓       |
| 19.4025HYD | 40 | 25 | 50 | 95 | 130 | 22 | -       | ✓       |
| 19.4032HYD | 40 | 32 | 60 | 95 | 90  | 22 | -       | ✓       |

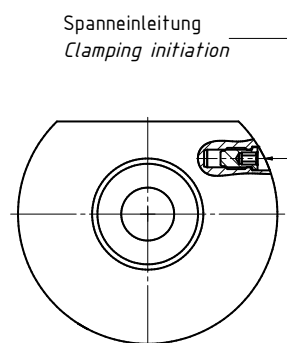
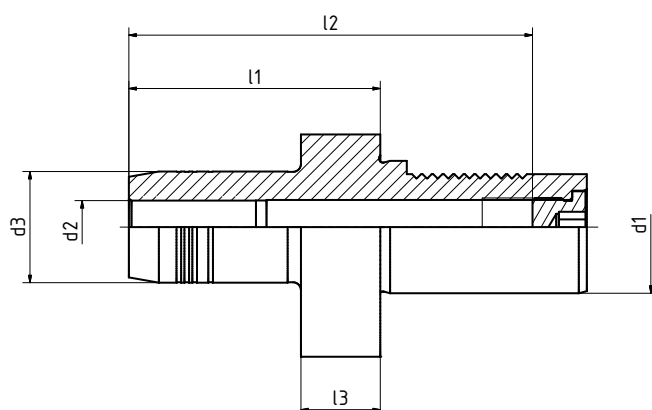




## Hydro-Dehnspannfutter // Hydraulic chuck

ISO 10889  
DIN 69 880/VDI

ISO 10889  
DIN 69880/VDI



**Mit Innen- und Außenkühlung IK/EK //**  
**With internal and external coolant IC/EC**

| Nr. / No.  | d1 | d2 | d3 | l1 | l2  | l3 | EK / EC | IK / IC |
|------------|----|----|----|----|-----|----|---------|---------|
| 19.5006HYD | 50 | 6  | 26 | 55 | 110 | 22 | -       | ✓       |
| 19.5008HYD | 50 | 8  | 28 | 55 | 110 | 22 | -       | ✓       |
| 19.5010HYD | 50 | 10 | 30 | 55 | 110 | 22 | -       | ✓       |
| 19.5012HYD | 50 | 12 | 32 | 60 | 115 | 22 | -       | ✓       |
| 19.5014HYD | 50 | 14 | 34 | 60 | 115 | 22 | -       | ✓       |
| 19.5016HYD | 50 | 16 | 38 | 95 | 150 | 30 | -       | ✓       |
| 19.5018HYD | 50 | 18 | 40 | 95 | 150 | 30 | -       | ✓       |
| 19.5025HYD | 50 | 25 | 50 | 95 | 150 | 30 | -       | ✓       |
| 19.5032HYD | 50 | 32 | 60 | 95 | 90  | 30 | -       | ✓       |

WEITERE GRÖSSEN AUF ANFRAGE  
FURTHER SIZES ON REQUEST

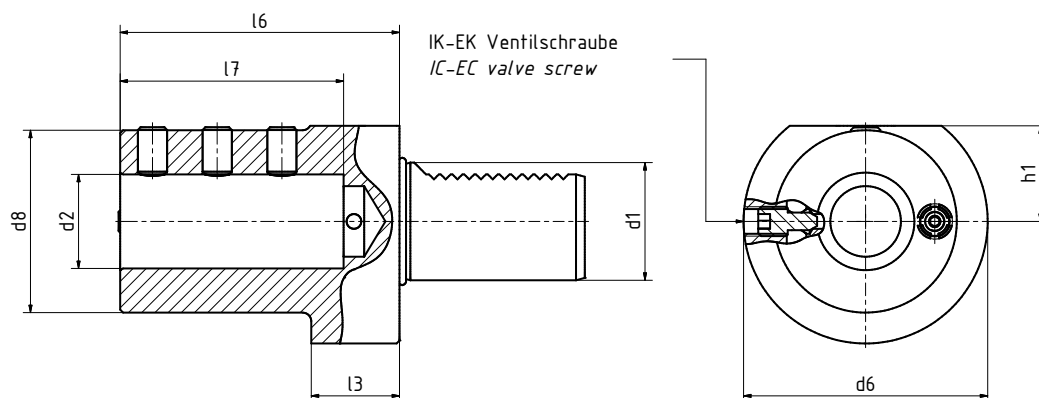


## Bohrstangenhalter //

### Boring Bar Holder

ISO 10889  
 DIN 69 880  
 mit zylindrischer Aufnahme  
 lange Ausführung

ISO 10889  
 DIN 69880  
 with cylindrical Adaptor  
 long



**Mit Innen- und Außenkühlung IK/EK //**  
**With internal and external coolant IC/EC**

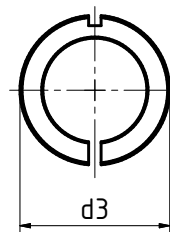
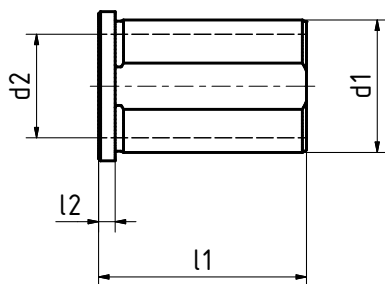
WEITERE GRÖSSEN AUF ANFRAGE  
 FURTHER SIZES ON REQUEST

| Nr. / No. | d1 | d2 | d6  | d8 | h1   | l3 | l6  | l7 | EK / EC | IK / IC |
|-----------|----|----|-----|----|------|----|-----|----|---------|---------|
| 22.3008   | 30 | 8  | 68  | 55 | 28   | 22 | 85  | 70 | ✓       | ✓       |
| 22.3010   | 30 | 10 | 68  | 55 | 28   | 22 | 85  | 70 | ✓       | ✓       |
| 22.3012   | 30 | 12 | 68  | 55 | 28   | 22 | 85  | 70 | ✓       | ✓       |
| 22.3016   | 30 | 16 | 68  | 55 | 28   | 22 | 85  | 70 | ✓       | ✓       |
| 22.3020   | 30 | 20 | 68  | 55 | 28   | 22 | 85  | 70 | ✓       | ✓       |
| 22.3025   | 30 | 25 | 68  | 55 | 28   | 22 | 85  | 70 | ✓       | ✓       |
| 22.3032   | 30 | 32 | 68  | 62 | 28   | 30 | 85  | 70 | ✓       | ✓       |
| 22.4008   | 40 | 8  | 83  | 55 | 32,5 | 22 | 95  | 80 | ✓       | ✓       |
| 22.4010   | 40 | 10 | 83  | 55 | 32,5 | 22 | 95  | 80 | ✓       | ✓       |
| 22.4012   | 40 | 12 | 83  | 55 | 32,5 | 22 | 95  | 80 | ✓       | ✓       |
| 22.4016   | 40 | 16 | 83  | 55 | 33   | 22 | 95  | 80 | ✓       | ✓       |
| 22.4020   | 40 | 20 | 83  | 55 | 33   | 22 | 95  | 80 | ✓       | ✓       |
| 22.4025   | 40 | 25 | 83  | 55 | 33   | 22 | 95  | 80 | ✓       | ✓       |
| 22.4032   | 40 | 32 | 83  | 62 | 32,5 | 30 | 95  | 80 | ✓       | ✓       |
| 22.4040   | 40 | 40 | 83  | 70 | 33   | 30 | 95  | 80 | ✓       | ✓       |
| 22.5012   | 50 | 12 | 98  | 68 | 35   | 30 | 95  | 78 | ✓       | ✓       |
| 22.5016   | 50 | 16 | 98  | 68 | 35   | 30 | 95  | 78 | ✓       | ✓       |
| 22.5020   | 50 | 20 | 98  | 68 | 35   | 30 | 95  | 78 | ✓       | ✓       |
| 22.5025   | 50 | 25 | 98  | 68 | 35   | 30 | 95  | 78 | ✓       | ✓       |
| 22.5032   | 50 | 32 | 98  | 68 | 35   | 30 | 95  | 78 | ✓       | ✓       |
| 22.5040   | 50 | 40 | 98  | 80 | 35   | 30 | 95  | 78 | ✓       | ✓       |
| 22.6016   | 60 | 16 | 123 | 68 | 42,5 | 30 | 100 | 83 | ✓       | ✓       |
| 22.6020   | 60 | 20 | 123 | 68 | 43   | 30 | 100 | 83 | ✓       | ✓       |
| 22.6025   | 60 | 25 | 123 | 68 | 42,5 | 30 | 100 | 83 | ✓       | ✓       |
| 22.6032   | 60 | 32 | 123 | 68 | 43   | 30 | 100 | 83 | ✓       | ✓       |
| 22.6040   | 60 | 40 | 123 | 80 | 42,5 | 30 | 100 | 83 | ✓       | ✓       |





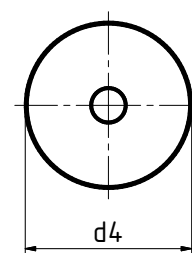
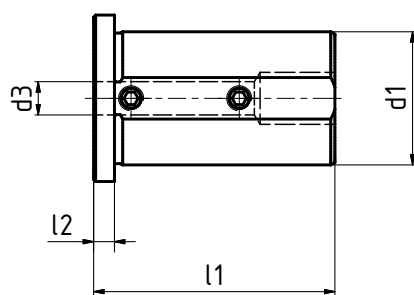
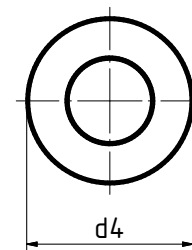
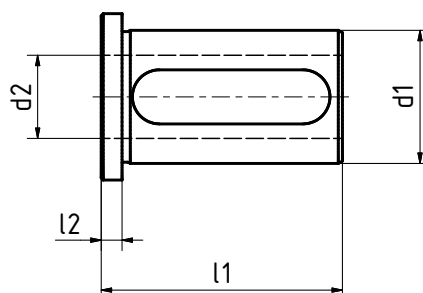
## Reduzierhülsen // Reducing Sleeve



| Nr. / No. | d1 | d2 | d3 | l1 | l2 |
|-----------|----|----|----|----|----|
| 28.2006   | 20 | 6  | 24 | 30 | 4  |
| 28.2008   | 20 | 8  | 24 | 30 | 4  |
| 28.2010   | 20 | 10 | 24 | 30 | 4  |
| 28.2012   | 20 | 12 | 24 | 30 | 4  |
| 28.2015   | 20 | 15 | 24 | 30 | 4  |
| 28.2016   | 20 | 16 | 24 | 30 | 4  |
| 28.2506   | 25 | 6  | 29 | 40 | 4  |
| 28.2508   | 25 | 8  | 29 | 40 | 4  |
| 28.2510   | 25 | 10 | 29 | 40 | 4  |
| 28.2512   | 25 | 12 | 29 | 40 | 4  |
| 28.2515   | 25 | 15 | 29 | 40 | 4  |
| 28.2516   | 25 | 16 | 29 | 40 | 4  |
| 28.2520   | 25 | 20 | 29 | 40 | 4  |
| 28.3008   | 30 | 8  | 34 | 50 | 4  |
| 28.3010   | 30 | 10 | 34 | 50 | 4  |
| 28.3012   | 30 | 12 | 34 | 50 | 4  |
| 28.3015   | 30 | 15 | 34 | 50 | 4  |
| 28.3016   | 30 | 16 | 34 | 50 | 4  |
| 28.3020   | 30 | 20 | 34 | 50 | 4  |
| 28.3025   | 30 | 25 | 34 | 50 | 4  |
| 28.3208   | 32 | 8  | 36 | 50 | 4  |

| Nr. / No. | d1 | d2 | d3 | l1 | l2 |
|-----------|----|----|----|----|----|
| 28.3210   | 32 | 10 | 36 | 50 | 4  |
| 28.3212   | 32 | 12 | 36 | 50 | 4  |
| 28.3215   | 32 | 15 | 36 | 50 | 4  |
| 28.3216   | 32 | 16 | 36 | 50 | 4  |
| 28.3220   | 32 | 20 | 36 | 50 | 4  |
| 28.3225   | 32 | 25 | 36 | 50 | 4  |
| 28.4010   | 40 | 10 | 44 | 78 | 4  |
| 28.4012   | 40 | 12 | 44 | 78 | 4  |
| 28.4015   | 40 | 15 | 44 | 78 | 4  |
| 28.4016   | 40 | 16 | 44 | 78 | 4  |
| 28.4020   | 40 | 20 | 44 | 78 | 4  |
| 28.4025   | 40 | 25 | 44 | 78 | 4  |
| 28.4032   | 40 | 32 | 44 | 78 | 4  |
| 28.5020   | 50 | 20 | 54 | 88 | 4  |
| 28.5025   | 50 | 25 | 54 | 88 | 4  |
| 28.5032   | 50 | 32 | 54 | 88 | 4  |
| 28.5040   | 50 | 40 | 54 | 88 | 4  |
| 28.6025   | 60 | 25 | 64 | 88 | 4  |
| 28.6032   | 60 | 32 | 64 | 88 | 4  |
| 28.6040   | 60 | 40 | 64 | 88 | 4  |
| 28.6050   | 60 | 50 | 64 | 88 | 4  |

## Reduzierhülsen // Reducing Sleeve



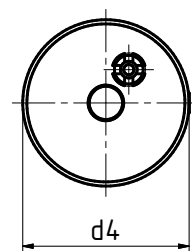
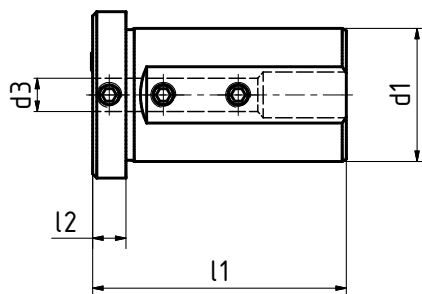
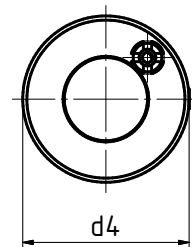
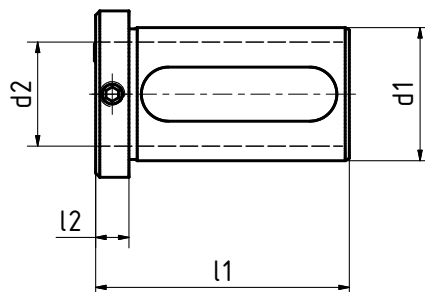
| Nr. / No.   | d1 | d2 | d3 | d4 | l1 | l2 |
|-------------|----|----|----|----|----|----|
| 28.2506S    | 25 |    | 6  | 29 | 50 | 4  |
| 28.2508S    | 25 |    | 8  | 29 | 50 | 4  |
| 28.2510S    | 25 |    | 10 | 29 | 50 | 4  |
| 28.2512S    | 25 |    | 12 | 29 | 50 | 4  |
| 28.2516S    | 25 | 16 |    | 29 | 50 | 4  |
| 28.2520S    | 25 | 20 |    | 29 | 50 | 4  |
| 28.3206G200 | 32 |    | 6  | 40 | 58 | 5  |
| 28.3208G200 | 32 |    | 8  | 40 | 58 | 5  |
| 28.3210G200 | 32 |    | 10 | 40 | 58 | 5  |
| 28.3212G200 | 32 |    | 12 | 40 | 58 | 5  |
| 28.3216G200 | 32 | 16 |    | 40 | 58 | 5  |
| 28.3220G200 | 32 | 20 |    | 40 | 58 | 5  |
| 28.3225G200 | 32 | 25 |    | 40 | 58 | 5  |

| Nr. / No. | d1 | d2 | d3 | d4 | l1 | l2 |
|-----------|----|----|----|----|----|----|
| 28.4008S  | 40 |    | 8  | 44 | 58 | 5  |
| 28.4010S  | 40 |    | 10 | 44 | 58 | 5  |
| 28.4012S  | 40 |    | 12 | 44 | 58 | 5  |
| 28.4016S  | 40 | 16 |    | 44 | 58 | 5  |
| 28.4020S  | 40 | 20 |    | 44 | 58 | 5  |
| 28.4025S  | 40 | 25 |    | 44 | 58 | 5  |
| 28.4032S  | 40 | 32 |    | 44 | 58 | 5  |
| 28.5012S  | 50 |    | 12 | 54 | 75 | 5  |
| 28.5016S  | 50 | 16 |    | 54 | 75 | 5  |
| 28.5020S  | 50 | 20 |    | 54 | 75 | 5  |
| 28.5025S  | 50 | 25 |    | 54 | 75 | 5  |
| 28.5032S  | 50 | 32 |    | 54 | 75 | 5  |
| 28.5040S  | 50 | 40 |    | 54 | 75 | 5  |

## Reduzierhülsen // Reducing Sleeve

mit integrierter Kugeldüse  
und Halteschraube

with integrated coolant hole  
and holding screw



| Nr. / No.     | d1 | d2 | d3 | d4 | l1 | l2 |
|---------------|----|----|----|----|----|----|
| 28.2506SIK    | 25 |    | 6  | 29 | 54 | 8  |
| 28.2508SIK    | 25 |    | 8  | 29 | 54 | 8  |
| 28.2510SIK    | 25 |    | 10 | 29 | 54 | 8  |
| 28.2512SIK    | 25 |    | 12 | 29 | 54 | 8  |
| 28.2515SIK    | 25 | 15 |    | 40 | 54 | 8  |
| 28.2516SIK    | 25 | 16 |    | 40 | 54 | 8  |
| 28.3206G200IK | 32 |    | 6  | 40 | 61 | 8  |
| 28.3208G200IK | 32 |    | 8  | 40 | 61 | 8  |
| 28.3210G200IK | 32 |    | 10 | 40 | 61 | 8  |
| 28.3212G200IK | 32 |    | 12 | 40 | 61 | 8  |
| 28.3215G200IK | 32 | 15 |    | 40 | 61 | 8  |
| 28.3216G200IK | 32 | 16 |    | 40 | 61 | 8  |
| 28.3220G200IK | 32 | 20 |    | 40 | 61 | 8  |

| Nr. / No.  | d1 | d2 | d3 | d4 | l1 | l2 |
|------------|----|----|----|----|----|----|
| 28.4006SIK | 40 |    | 6  | 45 | 61 | 8  |
| 28.4008SIK | 40 |    | 8  | 45 | 61 | 8  |
| 28.4010SIK | 40 |    | 10 | 45 | 61 | 8  |
| 28.4012SIK | 40 |    | 12 | 45 | 61 | 8  |
| 28.4016SIK | 40 | 16 |    | 45 | 61 | 8  |
| 28.4020SIK | 40 | 20 |    | 45 | 61 | 8  |
| 28.4025SIK | 40 | 25 |    | 45 | 61 | 8  |
| 28.5010SIK | 50 |    | 10 | 54 | 78 | 8  |
| 28.5012SIK | 50 |    | 12 | 54 | 78 | 8  |
| 28.5016SIK | 50 | 16 |    | 54 | 78 | 8  |
| 28.5020SIK | 50 | 20 |    | 54 | 78 | 8  |
| 28.5025SIK | 50 | 25 |    | 54 | 78 | 8  |
| 28.5032SIK | 50 | 32 |    | 54 | 78 | 8  |

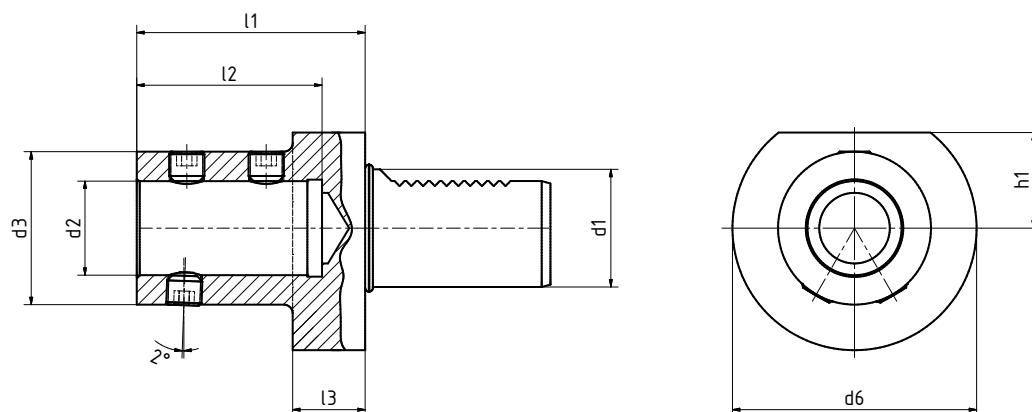


## Werkzeughalter mit Zylinderschaft //

### Toolholder with cylindrical shaft

ISO 10889  
 DIN 69 880  
 Form E1 für Werkzeuge mit innerer  
 Kühlschmierstoffzuführung

ISO 10889  
 DIN 69880  
 Form E1 for tools with inner  
 cooling systems



**Mit Innenkühlung IK//**  
**With internal coolant IC**

| Nr. / No. | d1 | d1 | d2   | d3 | d6  | h1   | l1  | l2 | l3 | EK / EC | IK / IC |
|-----------|----|----|------|----|-----|------|-----|----|----|---------|---------|
| 27.2016   | 20 | 16 | 36   | 12 | 50  | 23   | 67  | 54 | 18 | -       | ✓       |
| 27.2020   | 20 | 20 | 40   | 12 | 50  | 23   | 67  | 54 | 18 | -       | ✓       |
| 27.2025   | 20 | 25 | 45   | 17 | 50  | 23   | 71  | 59 | 18 | -       | ✓       |
| 27.2516   | 25 | 16 | 36   | 12 | 58  | 25   | 67  | 54 | 18 | -       | ✓       |
| 27.2520   | 25 | 20 | 40   | 12 | 58  | 25   | 67  | 54 | 18 | -       | ✓       |
| 27.2525   | 25 | 25 | 45   | 17 | 58  | 25   | 71  | 59 | 18 | -       | ✓       |
| 27.3016   | 30 | 16 | 36   | 12 | 68  | 28   | 67  | 54 | 22 | -       | ✓       |
| 27.3020   | 30 | 20 | 40   | 12 | 68  | 28   | 67  | 54 | 22 | -       | ✓       |
| 27.3025   | 30 | 25 | 45   | 17 | 68  | 28   | 71  | 59 | 22 | -       | ✓       |
| 27.3032   | 30 | 32 | 52   | 24 | 68  | 28   | 75  | 63 | 22 | -       | ✓       |
| 27.3040   | 30 | 40 | 65   | 32 | 68  | 28   | 90  | 73 | 22 | -       | ✓       |
| 27.4016   | 40 | 16 | 36   | 12 | 83  | 32,5 | 67  | 54 | 22 | -       | ✓       |
| 27.4020   | 40 | 20 | 40   | 12 | 83  | 32,5 | 67  | 54 | 22 | -       | ✓       |
| 27.4025   | 40 | 25 | 45   | 17 | 83  | 32,5 | 75  | 59 | 22 | -       | ✓       |
| 27.4032   | 40 | 32 | 52   | 24 | 83  | 32,5 | 75  | 63 | 22 | -       | ✓       |
| 27.4040   | 40 | 40 | 64,5 | 32 | 83  | 32,5 | 90  | 73 | 22 | -       | ✓       |
| 27.4050   | 40 | 50 | 75   | 32 | 83  | 32,5 | 100 | 83 | 30 | -       | ✓       |
| 27.5020   | 50 | 20 | 40   | 12 | 98  | 35   | 67  | 54 | 30 | -       | ✓       |
| 27.5025   | 50 | 25 | 45   | 17 | 98  | 35   | 80  | 59 | 30 | -       | ✓       |
| 27.5032   | 50 | 32 | 52   | 24 | 98  | 35   | 80  | 63 | 30 | -       | ✓       |
| 27.5040   | 50 | 40 | 65   | 32 | 98  | 35   | 90  | 73 | 30 | -       | ✓       |
| 27.5050   | 50 | 50 | 75   | 42 | 98  | 35   | 100 | 83 | 30 | -       | ✓       |
| 27.6020   | 60 | 20 | 40   | 12 | 123 | 42,5 | 80  | 54 | 30 | -       | ✓       |
| 27.6025   | 60 | 25 | 45   | 17 | 123 | 42,5 | 80  | 59 | 30 | -       | ✓       |



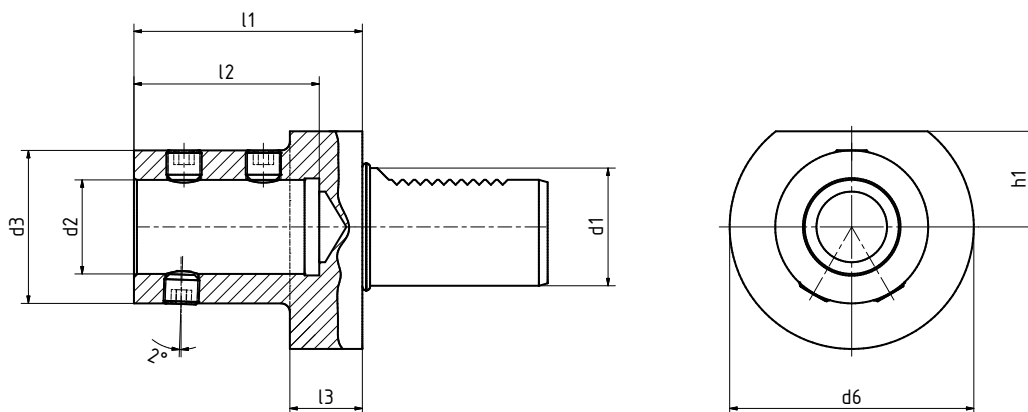


## Werkzeughalter mit Zylinderschaft //

### Toolholder with cylindrical shaft

ISO 10889  
DIN 69 880  
Form E1 für Werkzeuge mit innerer  
Kühlschmierstoffzuführung

ISO 10889  
DIN 69880  
Form E1 for tools with inner  
cooling systems



### Mit Innenkühlung IK //

### With internal coolant IC

| Nr. / No. | d1 | d1 | d2 | d3 | d6  | h1   | l1  | l2 | l3 | EK / EC | IK / IC |
|-----------|----|----|----|----|-----|------|-----|----|----|---------|---------|
| 27.6032   | 60 | 32 | 52 | 24 | 123 | 42,5 | 80  | 63 | 30 | -       | ✓       |
| 27.6040   | 60 | 40 | 65 | 32 | 123 | 42,5 | 90  | 73 | 30 | -       | ✓       |
| 27.6050   | 60 | 50 | 75 | 42 | 123 | 42,5 | 100 | 83 | 30 | -       | ✓       |
| 27.8020   | 80 | 20 | 40 | 12 | 158 | 55   | 80  | 54 | 40 | -       | ✓       |
| 27.8025   | 80 | 25 | 45 | 17 | 158 | 55   | 80  | 59 | 40 | -       | ✓       |
| 27.8032   | 80 | 32 | 52 | 24 | 158 | 55   | 80  | 63 | 40 | -       | ✓       |
| 27.8040   | 80 | 40 | 65 | 32 | 158 | 55   | 90  | 73 | 40 | -       | ✓       |
| 27.8050   | 80 | 50 | 75 | 42 | 158 | 55   | 100 | 83 | 40 | -       | ✓       |

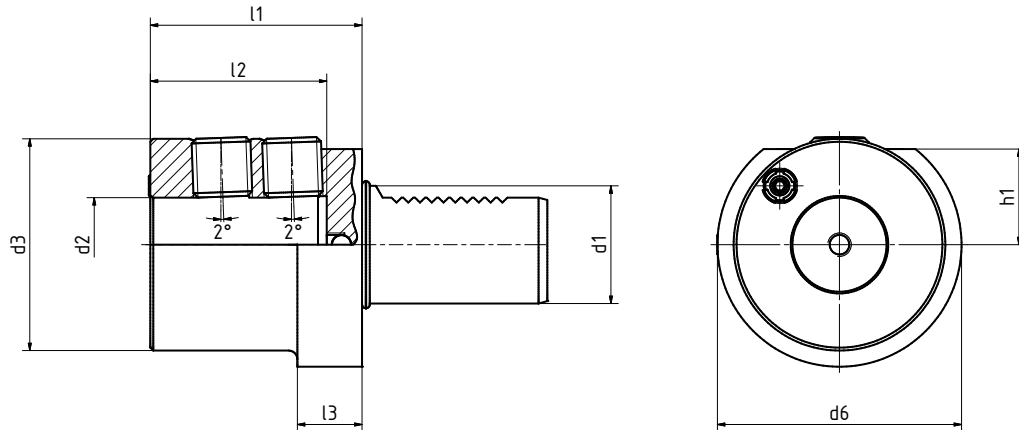
WEITERE GRÖSSEN AUF ANFRAGE  
FURTHER SIZES ON REQUEST



## Werkzeughalter mit Zylinderschaft // Toolholder with cylindrical shaft

ISO 10889  
DIN 69 880  
Whistle Notch  
DIN 1835E

ISO 10889  
DIN 69880  
Whistle notch  
DIN 1835E



**Mit Innen- und Außenkühlung IK/EK //**  
**With internal and external coolant IC/EC**

| Nr. / No. | d1 | d2 | d3 | d6 | h1 | l1 | l2 | l3 | EK / EC | IK / IC |
|-----------|----|----|----|----|----|----|----|----|---------|---------|
| 27.2006WN | 20 | 6  | 45 | 50 | 23 | 60 | 40 | 22 | ✓       | ✓       |
| 27.2008WN | 20 | 8  | 45 | 50 | 23 | 60 | 40 | 22 | ✓       | ✓       |
| 27.2010WN | 20 | 10 | 45 | 50 | 23 | 60 | 44 | 22 | ✓       | ✓       |
| 27.2012WN | 20 | 12 | 45 | 50 | 23 | 60 | 49 | 22 | ✓       | ✓       |
| 27.2014WN | 20 | 14 | 45 | 50 | 23 | 62 | 49 | 22 | ✓       | ✓       |
| 27.2016WN | 20 | 16 | 45 | 50 | 23 | 67 | 52 | 22 | ✓       | ✓       |
| 27.2018WN | 20 | 18 | 45 | 50 | 23 | 67 | 52 | 22 | ✓       | ✓       |
| 27.2020WN | 20 | 20 | 45 | 50 | 23 | 67 | 52 | 22 | ✓       | ✓       |
| 27.2025WN | 20 | 25 | 45 | 50 | 23 | 67 | 54 | 22 | ✓       | ✓       |
| 27.3006WN | 30 | 6  | 52 | 68 | 28 | 67 | 35 | 22 | ✓       | ✓       |
| 27.3008WN | 30 | 8  | 52 | 68 | 28 | 67 | 35 | 22 | ✓       | ✓       |
| 27.3010WN | 30 | 10 | 52 | 68 | 28 | 67 | 39 | 22 | ✓       | ✓       |
| 27.3012WN | 30 | 12 | 52 | 68 | 28 | 67 | 44 | 22 | ✓       | ✓       |
| 27.3014WN | 30 | 14 | 52 | 68 | 28 | 67 | 44 | 22 | ✓       | ✓       |
| 27.3016WN | 30 | 16 | 52 | 68 | 28 | 67 | 47 | 22 | ✓       | ✓       |
| 27.3018WN | 30 | 18 | 52 | 68 | 28 | 67 | 47 | 22 | ✓       | ✓       |
| 27.3020WN | 30 | 20 | 52 | 68 | 28 | 67 | 52 | 22 | ✓       | ✓       |
| 27.3025WN | 30 | 25 | 63 | 68 | 28 | 67 | 54 | 22 | ✓       | ✓       |
| 27.3032WN | 30 | 32 | 65 | 68 | 28 | 75 | 63 | 22 | ✓       | ✓       |



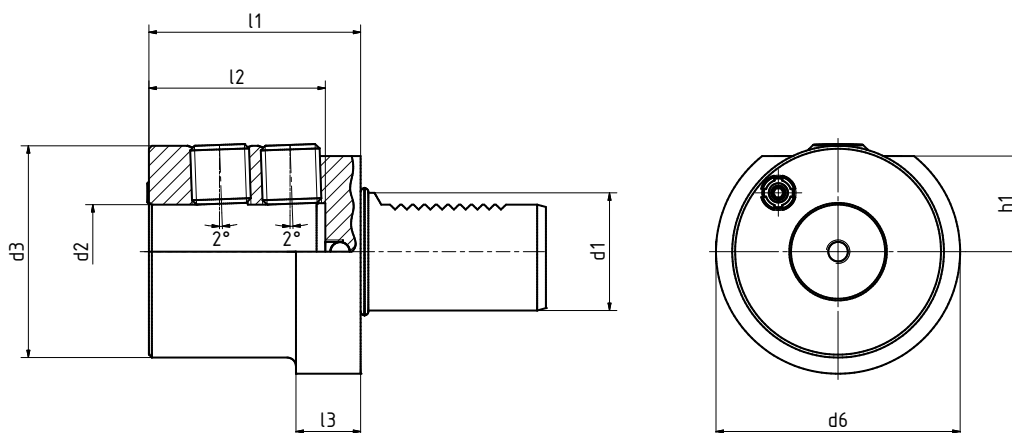


## Werkzeughalter mit Zylinderschaft //

### Toolholder with cylindrical shaft

ISO 10889  
DIN 69 880  
Whistle Notch  
DIN 1835E

ISO 10889  
DIN 69880  
Whistle notch  
DIN 1835E



**Mit Innen- und Außenkühlung IK/EK //**  
**With internal and external coolant IC/EC**

| Nr. / No. | d1 | d2 | d3 | d6 | h1   | l1 | l2 | l3 | EK / EC | IK / IC |
|-----------|----|----|----|----|------|----|----|----|---------|---------|
| 27.4006WN | 40 | 6  | 52 | 83 | 32,5 | 67 | 35 | 22 | ✓       | ✓       |
| 27.4008WN | 40 | 8  | 52 | 83 | 32,5 | 67 | 35 | 22 | ✓       | ✓       |
| 27.4010WN | 40 | 10 | 52 | 83 | 32,5 | 67 | 39 | 22 | ✓       | ✓       |
| 27.4012WN | 40 | 12 | 52 | 83 | 32,5 | 67 | 44 | 22 | ✓       | ✓       |
| 27.4014WN | 40 | 14 | 52 | 83 | 32,5 | 67 | 44 | 22 | ✓       | ✓       |
| 27.4016WN | 40 | 16 | 52 | 83 | 32,5 | 67 | 47 | 22 | ✓       | ✓       |
| 27.4018WN | 40 | 18 | 52 | 83 | 32,5 | 67 | 47 | 22 | ✓       | ✓       |
| 27.4020WN | 40 | 20 | 52 | 83 | 32,5 | 67 | 52 | 22 | ✓       | ✓       |
| 27.4025WN | 40 | 25 | 63 | 83 | 32,5 | 67 | 54 | 22 | ✓       | ✓       |
| 27.4032WN | 40 | 32 | 65 | 83 | 32,5 | 75 | 63 | 22 | ✓       | ✓       |

WEITERE GRÖSSEN AUF ANFRAGE  
FURTHER SIZES ON REQUEST

## Rubrik 1 // Section 1

**1**


### Kegelaufnahme // Morse Taper Adaptor

ISO 10889  
DIN 69 880 Teil 7  
Form F für Kegelschäfte mit  
Ausstreiblappen

ISO 10889  
DIN 69880 Part 7  
Form F for shanks with tang

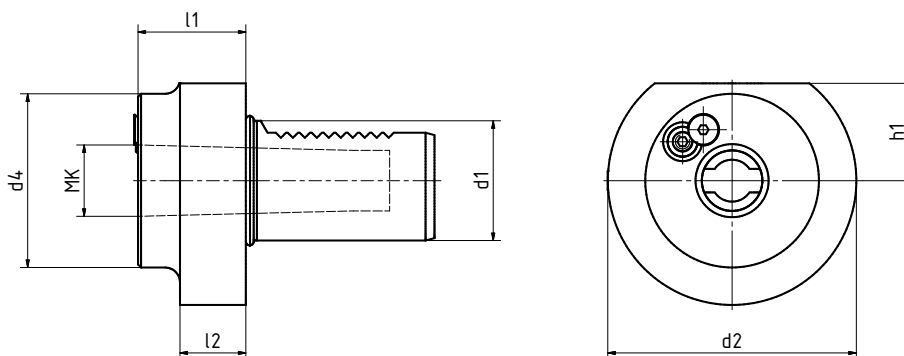


Abbildung mit Innenkühlung //  
Shown with internal coolant



### Mit Innen- und Außenkühlung IK/EK // With internal and external coolant IC/EC

| Nr. / No. | d1 | MK | d2  | d4 | h1   | l1 | l2 | EK / EC | IK / IC |
|-----------|----|----|-----|----|------|----|----|---------|---------|
| 25.1610   | 16 | 1  | 40  | -  | 18   | 43 | -  | ✓       | ✓       |
| 25.2010   | 20 | 1  | 50  | -  | 23   | 23 | -  | ✓       | ✓       |
| 25.2510   | 25 | 1  | 58  | -  | 25   | 23 | -  | ✓       | ✓       |
| 25.2520   | 25 | 2  | 58  | -  | 25   | 27 | -  | ✓       | ✓       |
| 25.3010   | 30 | 1  | 68  | -  | 28   | 27 | -  | ✓       | ✓       |
| 25.3020   | 30 | 2  | 68  | -  | 28   | 27 | -  | ✓       | ✓       |
| 25.3030   | 30 | 3  | 68  | -  | 28   | 45 | -  | ✓       | ✓       |
| 25.4010   | 40 | 1  | 83  | 55 | 32,5 | 36 | 22 | ✓       | ✓       |
| 25.4020   | 40 | 2  | 83  | 55 | 32,5 | 36 | 22 | ✓       | ✓       |
| 25.4030   | 40 | 3  | 83  | 58 | 32,5 | 36 | 22 | ✓       | ✓       |
| 25.4040   | 40 | 4  | 83  | 68 | 32,5 | 80 | 22 | ✓       | ✓       |
| 25.5020   | 50 | 2  | 98  | 55 | 35   | 36 | 30 | ✓       | ✓       |
| 25.5030   | 50 | 3  | 98  | 58 | 35   | 36 | 30 | ✓       | ✓       |
| 25.5040   | 50 | 4  | 98  | 68 | 35   | 50 | 30 | ✓       | ✓       |
| 25.6020   | 60 | 2  | 123 | 58 | 42,5 | 36 | 30 | ✓       | ✓       |
| 25.6030   | 60 | 3  | 123 | 58 | 42,5 | 36 | 30 | ✓       | ✓       |
| 25.6040   | 60 | 4  | 123 | 68 | 42,5 | 50 | 30 | ✓       | ✓       |
| 25.6050   | 60 | 5  | 123 | 98 | 42,5 | 63 | 30 | ✓       | ✓       |
| 25.8040   | 80 | 4  | 158 | 68 | 55   | 50 | 40 | ✓       | ✓       |
| 25.8050   | 80 | 5  | 158 | 98 | 55   | 50 | 40 | ✓       | ✓       |

WEITERE GRÖSSEN AUF ANFRAGE  
FURTHER SIZES ON REQUEST

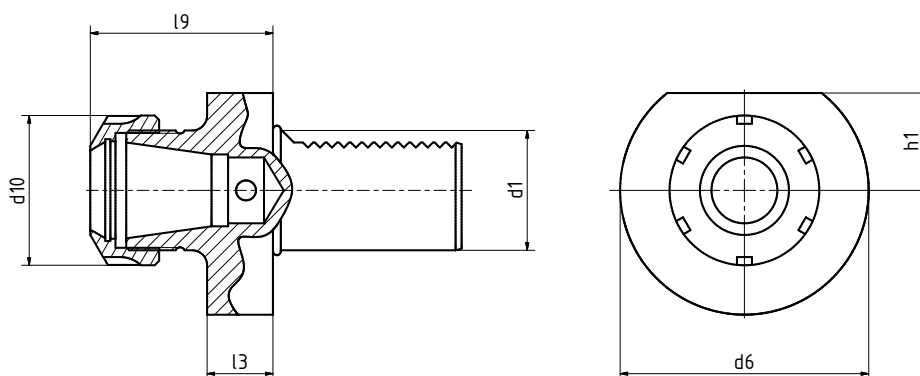




## Spannzangenhalter // Collet Chuck holder

ISO 10889  
DIN 69880  
Form E4

ISO 10889  
DIN 69880  
Form E4



| Nr. / No. | d1 | d6  | d10 | h1   | l3 | l9 | passende Spannzange<br>/<br>Collet type | EK / EC | IK / IC |
|-----------|----|-----|-----|------|----|----|-----------------------------------------|---------|---------|
|           |    |     |     |      |    |    |                                         |         |         |
| 31.1616   | 16 | 40  | 28  | 18   | 13 | 40 | 160 426E                                | -       | ✓       |
| 31.1620   | 16 | 40  | 34  | 18   | 13 | 44 | 200 428E                                | -       | ✓       |
| 31.2016   | 20 | 50  | 28  | 23   | 18 | 40 | 160 426E                                | -       | ✓       |
| 31.2025   | 20 | 50  | 42  | 23   | 18 | 50 | 250 430E                                | -       | ✓       |
| 31.2032   | 20 | 50  | 50  | 23   | 18 | 62 | 320 470E                                | -       | ✓       |
| 31.2040   | 20 | 50  | 63  | 23   | 22 | 66 | 400 472E                                | -       | ✓       |
| 31.2525   | 25 | 58  | 42  | 25   | 18 | 57 | 250 430E                                | -       | ✓       |
| 31.2532   | 25 | 58  | 50  | 25   | 18 | 62 | 320 470E                                | -       | ✓       |
| 31.3025   | 30 | 68  | 42  | 28   | 22 | 57 | 250 430E                                | -       | ✓       |
| 31.3032   | 30 | 68  | 50  | 28   | 22 | 62 | 320 470E                                | -       | ✓       |
| 31.3040   | 30 | 68  | 63  | 28   | 22 | 70 | 400 472E                                | -       | ✓       |
| 31.4025   | 40 | 83  | 42  | 32,5 | 22 | 62 | 250 430E                                | -       | ✓       |
| 31.4032   | 40 | 83  | 50  | 32,5 | 22 | 62 | 320 470E                                | -       | ✓       |
| 31.4040   | 40 | 83  | 63  | 32,5 | 22 | 75 | 400 472E                                | -       | ✓       |
| 31.5040   | 50 | 98  | 63  | 35   | 30 | 75 | 400 472E                                | -       | ✓       |
| 31.6040   | 60 | 123 | 63  | 42,5 | 30 | 75 | 400 472E                                | -       | ✓       |

WEITERE GRÖSSEN AUF ANFRAGE  
FURTHER SIZES ON REQUEST



Spannzangen  
Collets

ISO 15488  
DIN 6499

1.1.62

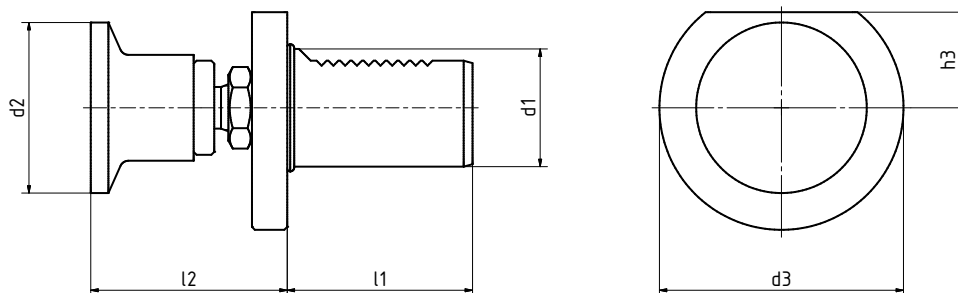


## Werkstoffanschlag //

### Stock Stop

ISO 10889  
 DIN 69 880  
 mitlaufend, Länge verstellbar

ISO 10889  
 DIN 69880  
 revolving, adjustable length



| Nr. / No. | d1 | d2 | d3 | h3   | l1 | l2    | EK / EC | IK / IC |
|-----------|----|----|----|------|----|-------|---------|---------|
| 25.500-32 | 30 | 32 | 68 | 28   | 55 | 62-95 | -       | -       |
| 25.500-42 | 30 | 42 | 68 | 28   | 55 | 62-95 | -       | -       |
| 25.500-58 | 30 | 58 | 68 | 28   | 55 | 62-95 | -       | -       |
| 25.510-32 | 40 | 32 | 83 | 32,5 | 63 | 62-95 | -       | -       |
| 25.510-42 | 40 | 42 | 83 | 32,5 | 63 | 62-95 | -       | -       |
| 25.510-58 | 40 | 58 | 83 | 32,5 | 63 | 62-95 | -       | -       |

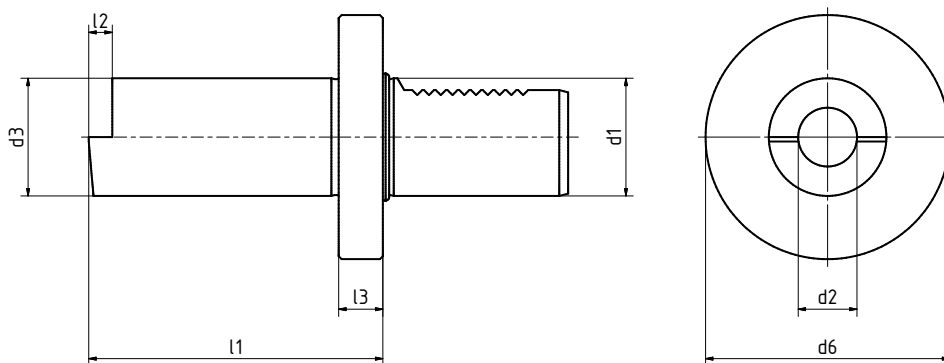
WEITERE GRÖSSEN AUF ANFRAGE  
 FURTHER SIZES ON REQUEST



## Einrichtehalter für Voreinstellgeräte // Setting Holder for presetting equipment

ISO 10889  
DIN 69880

ISO 10889  
DIN 69880



| Nr. / No.  | d1 | b1 | b2  | b3  | h1 | h5 | EK / EC | IK / IC |
|------------|----|----|-----|-----|----|----|---------|---------|
| E16.30.100 | 16 | 20 | 40  | 100 | 8  | 15 | -       | -       |
| E20.40.100 | 20 | 20 | 50  | 100 | 8  | 15 | -       | -       |
| E25.40.100 | 25 | 20 | 58  | 100 | 8  | 15 | -       | -       |
| E30.40.100 | 30 | 20 | 68  | 100 | 8  | 15 | -       | -       |
| E40.40.100 | 40 | 20 | 83  | 100 | 8  | 15 | -       | -       |
| E50.40.100 | 50 | 20 | 98  | 100 | 8  | 15 | -       | -       |
| E60.40.100 | 60 | 20 | 123 | 100 | 8  | 15 | -       | -       |

WEITERE GRÖSSEN AUF ANFRAGE  
FURTHER SIZES ON REQUEST

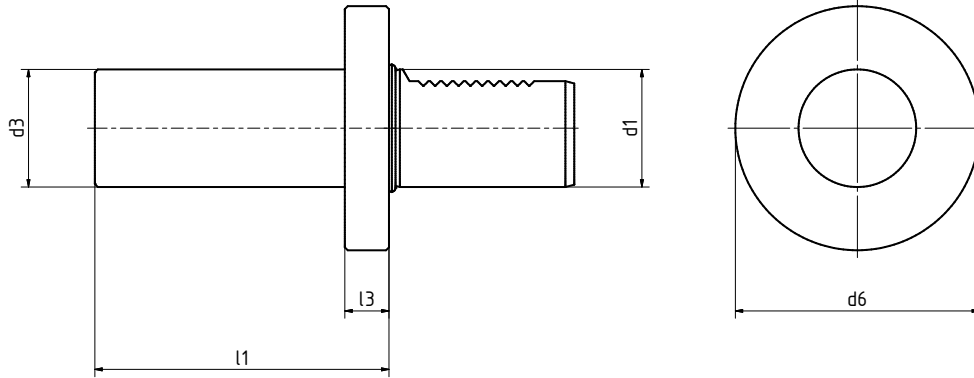


## Prüfdorn für Revolver //

### Test mandrel for turrets

ISO 10889  
DIN 69 880

ISO 10889  
DIN 69880



| Nr. / No.  | d1 | d3 | d6  | l1  | l3 | EK / EC | IK / IC |
|------------|----|----|-----|-----|----|---------|---------|
| P16.30.120 | 16 | 30 | 40  | 120 | 15 | -       | -       |
| P20.40.150 | 20 | 40 | 50  | 150 | 15 | -       | -       |
| P25.40.150 | 25 | 40 | 58  | 150 | 15 | -       | -       |
| P30.40.200 | 30 | 40 | 68  | 200 | 15 | -       | -       |
| P40.40.200 | 40 | 40 | 83  | 200 | 15 | -       | -       |
| P50.40.200 | 50 | 40 | 98  | 200 | 15 | -       | -       |
| P60.40.200 | 60 | 40 | 123 | 200 | 15 | -       | -       |

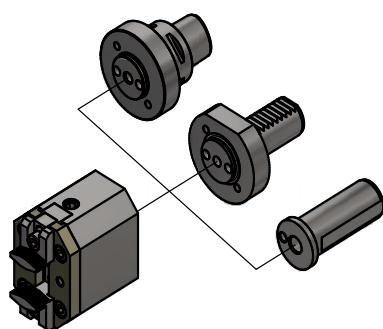
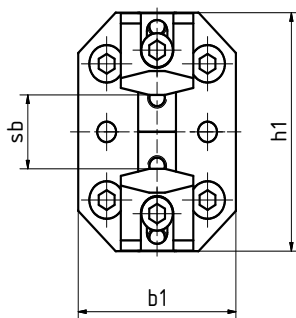
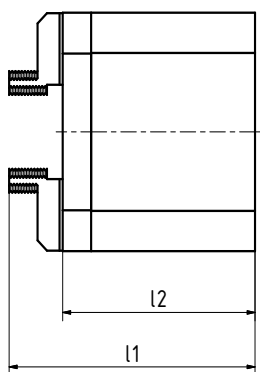
WEITERE GRÖSSEN AUF ANFRAGE  
FURTHER SIZES ON REQUEST



## Stangengreifer // Bar pick-up

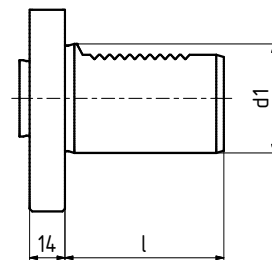
ISO 10889  
DIN 69880  
rechts

ISO 10889  
DIN 69880  
right hand

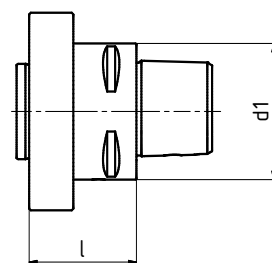


Stangengreifer + passende Grundhalter  
(Katalog\_SG-10)

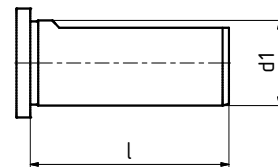
DIN ISO 10889 (VDI)



DIN ISO 26623 **EWS.PSC**



ZYL (ohne Verzahnung)



| Nr. / No. | b1 | h1 | l1   | l2 | ab Spannungsbereich |
|-----------|----|----|------|----|---------------------|
| SG-10     | 50 | 70 | 78   | 61 | 2-70                |
| SG-09     | 43 | 50 | 53,5 | 39 | 2-42                |
| SG-11     | 50 | 70 | 56   | 40 | 2-70                |

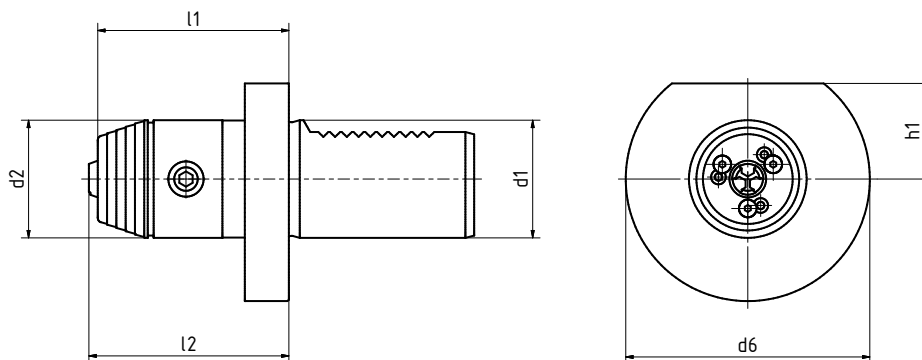
| passende Grundhalter | d1 | l  |
|----------------------|----|----|
| SGS20-ZYL            | 20 | 63 |
| SGS25-ZYL            | 25 | 63 |
| SGS30-ZYL            | 30 | 63 |
| SGS32-ZYL            | 32 | 63 |
| SGS40-ZYL            | 40 | 63 |
| SGS50-ZYL            | 50 | 63 |
| SGS16-VDI            | 16 | 32 |
| SGS20-VDI            | 20 | 40 |
| SGS25-VDI            | 25 | 48 |
| SGS-C4               | 40 | 34 |
| SGS-C5               | 50 | 34 |
| SGS30-VDI            | 30 | 55 |
| SGS40-VDI            | 40 | 63 |
| SGS50-VDI            | 50 | 78 |



## Kurzbohrfutter //

### Short drill chuck

 ISO 10889  
 DIN 69880  
 VDI 3425 Bl.2

 ISO 10889  
 DIN 69880  
 VDI 3425 Bl.2


### Mit Außenkühlung //

### With external coolant

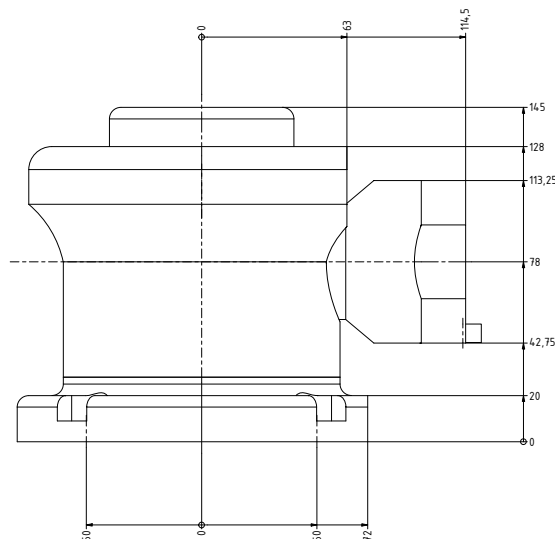
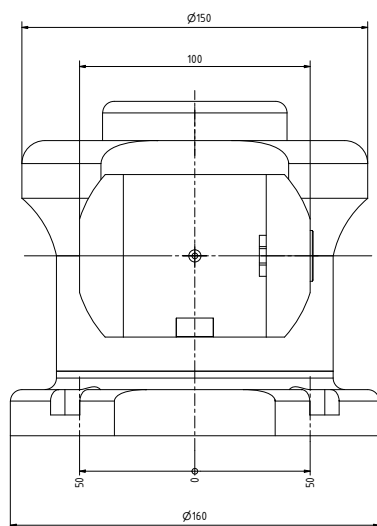
| Nr. / No. | Typ / Type | Spannbereich /<br>Chucking Capacity<br>serrage | d1 | d2 | d6   | h1   | l1   | l2    | EK / EC | IK / IC |
|-----------|------------|------------------------------------------------|----|----|------|------|------|-------|---------|---------|
| 25.550/20 | A          | 0,5-10                                         | 20 | 50 | 50   | -    | 38   | 45    | ✓       | -       |
| 25.433    | B          | 0,5-8                                          | 16 | 40 | -    | -    | 60   | 63    | ✓       | -       |
| 25.443    | B          | 0,5-8                                          | 20 | 40 | -    | 23   | 60   | 63    | ✓       | -       |
| 25.444    | B          | 0,5-8                                          | 25 | 40 | 28   | 25   | 60   | 63    | ✓       | -       |
| 25.453    | B          | 0,5-8                                          | 30 | 40 | 32,5 | 28   | 60   | 63    | ✓       | -       |
| 25.463    | B          | 0,5-8                                          | 40 | 40 | 32,5 | 32,5 | 65   | 68    | ✓       | -       |
| 25.543    | B          | 1-13                                           | 20 | 57 | 56   | -    | 82   | 88    | ✓       | -       |
| 25.544    | B          | 1-13                                           | 25 | 57 | 58   | -    | 82   | 88    | ✓       | -       |
| 25.553    | B          | 1-13                                           | 30 | 57 | 68   | 28   | 82   | 88    | ✓       | -       |
| 25.563    | B          | 1-13                                           | 40 | 57 | 83   | 32,5 | 82   | 91    | ✓       | -       |
| 25.573    | B          | 1-13                                           | 50 | 57 | 98   | 35   | 86   | 92    | ✓       | -       |
| 25.552    | B          | 3-16                                           | 30 | 57 | 68   | 28   | 82   | 93    | ✓       | -       |
| 25.562    | B          | 3-16                                           | 40 | 57 | 83   | 32,5 | 85   | 96    | ✓       | -       |
| 25.572    | B          | 3-16                                           | 50 | 57 | 98   | 35   | 86   | 97    | ✓       | -       |
| 25.582    | B          | 3-16                                           | 60 | 57 | 123  | 42,5 | 95,5 | 106,5 | ✓       | -       |



## Montageblock UMB 100 // Assembly block UMB 100

4x 90° indexierbar

4x 90° indexable



## Schnellwechseladapter // Quick change adapter



VDI Adapter  
VDI adapter

| Nr. / No. |   |
|-----------|---|
| MW-VDI16  | ● |
| MW-VDI20  | ● |
| MW-VDI25  | ● |
| MW-VDI30  | ● |
| MW-VDI40  | ● |
| MW-VDI50  | ● |
| MW-VDI60  | ● |



EWS.Varia / EWS.PSC Adapter  
EWS.Varia / EWS.PSC adapter

| Nr. / No. |   |
|-----------|---|
| MW-VX3    | ● |
| MW-VX4    | ● |
| MW-V5     | ● |
| MW-PSC32  | ● |
| MW-PSC40  | ● |
| MW-PSC50  | ● |



SK / HSK Adapter  
SK / HSK adapter

| Nr. / No.  |   |
|------------|---|
| MW-SK30    | ● |
| MW-SK40    | ● |
| MW-HSK32A  | ● |
| MW-HSK40A  | ● |
| MW-HSK50A  | ● |
| MW-HSK63A  | ● |
| MW-HSK80A  | ● |
| MW-HSK100A | ● |

● Standard  
Standard

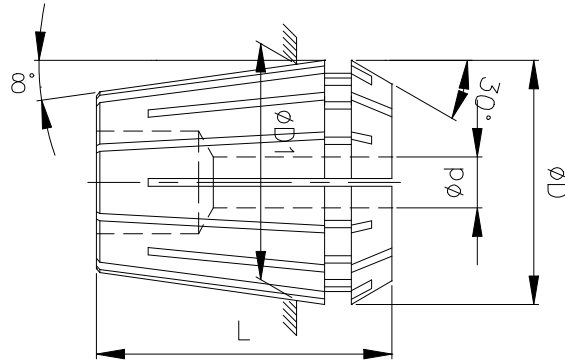


## Spannzangen //

### Collets

ISO 15488  
DIN 6499

ISO 15488  
DIN 6499



| ER Größe<br>ER Size | Type      | Ø        | (mm) <sup>1</sup> | T     | A    | B    |
|---------------------|-----------|----------|-------------------|-------|------|------|
| ER8                 | 080 4004E | 1.0-5.0  | 0.5               | Ø-0.5 | 8.5  | 13.8 |
| ER11                | 110 4008E | 1.0-7.0  | 0.5               | Ø-0.5 | 11.5 | 18.0 |
| ER16                | 160 426E  | 1.0-10.0 | 1.0               | Ø-1.0 | 17.0 | 27.5 |
| ER20                | 200 428E  | 2.0-13.0 | 1.0               | Ø-1.0 | 21.0 | 31.5 |
| ER25                | 250 430E  | 2.0-16.0 | 1.0               | Ø-1.0 | 26.0 | 34.0 |
| ER32                | 320 470E  | 3.0-20.0 | 1.0               | Ø-1.0 | 33.0 | 40.0 |
| ER40                | 400 472E  | 4.0-26.0 | 1.0               | Ø-1.0 | 41.0 | 46.0 |



## Spannschlüssel //

### Key

| Nr. / No. | für Spannzange<br>for Collets |
|-----------|-------------------------------|
| 225       | 250 430E                      |
| 232       | 320 470E                      |
| 240       | 400 472E                      |





### Kühlmittel-Satz

Coolant set



Artikel-Nummer / Article Number

KÜMI-Satz M8x1-M3

KÜMI-Satz M10x1-M5

KÜMI-Satz M12x1-M6

O-Ringe für Kugeldüse

Kugeldüse mit und ohne Gewinde

Gewinding

### Anzugs-Schlüssel für Gewinding

Wrench for thread ring / Article Number



Artikel-Nummer

AZS-M8x1

AZS-M10x1

AZS-M12x1

### Kühlmittel-Satz mit Außensechskant

Coolant set / Article Number



Artikel-Nummer

KÜMI-Satz M10x1-M5-SW10

KÜMI-Satz M12x1-M6-SW13

O-Ringe für Kugeldüse

Kugeldüse mit und ohne Gewinde

Gewinding

### Kugeldüse mit und ohne Gewinde

Coolant nozzle with and without thread



Artikel-Nummer / Article Number

KD 5xØ3

KD 6xM3

KD 8xM5

KD 10xØ5

KD 10xM6

KD 12xM6

KD 14xM8

KD 14xØ6

KD 16xM10X1

KD 22xM10x1

KD 10x4-45°

KD 10x4-45°L20 I = 20

KD 10x4-45°L30 I = 30



### O-Ringe für Kugeldüse

O-ring for coolant nozzle



Artikel-Nummer / Article Number

OR 6x1

OR 8x1

OR 12x1

OR 14x1

### O-Ringe für für VDI-Schäfte DIN 69880

O-ring for VDI shanks DIN 69880



Artikel-Nummer / Article Number

OR 15x1,5 (VDI 16)

OR 18,77x1,78 (VDI 20)

OR 23,52x1,78 (VDI 25)

OR 28,3x1,78 (VDI 30)

OR 37,77x2,62 (VDI 40)

OR 47,29x2,62 (VDI 50)

OR 56,74x3,53 (VDI 60)

### Stahlkugel ohne Bohrung

Steel ball without borehole



Artikel-Nummer / Article Number

SK 01 Ø 1

SK 1,5 Ø 1

SK 02 Ø 1

SK 03 Ø 1

SK 04 Ø 1

SK 05 Ø 1

SK 06 Ø 1

SK 06,35 Ø 1

SK 08 Ø 1

SK10 Ø 1

SK12 Ø 1

SK14 Ø 1

SK16 Ø 1

### Spritzdüse in Kunststoffring

Coolant nozzle within plastic ring



Artikel-Nummer / Article Number

KDK 06 Ø 6

KDK 08 Ø 8

KDK 10 Ø 10

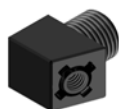
KDK 12 Ø 12

KDK 14 Ø 14

KDK 16 Ø 16

## Spritzdüse für Werkzeugaufnahme

Coolant element for tool holder



Artikel-Nummer / Article Number

QT 300

## Rohr-Verschraubung

Pipe screws



Artikel-Nummer / Article Number

GE6-LL M10X1

GE8-LLM M10X1

GE6-LLR R1/8

SWVE 6-LL M10x1x

SWVE 8-LL M10x1x

SWVE 8L M12x1,5

SWVE 8L M14x1,5

SWVE 6-LLR 1/8xx

SWVE 8-LLR 1/8xx

## Kühlrohr (flexibel)

Pipe (flexible)



Artikel-Nummer / Article Number

FKR6 50x6x Ø 6 l = 50

FKR6 70x6x Ø 6 l = 70

FKR6 100x6x Ø 6 l = 100

FKR6 1000x6x Ø 6 l = 1000

FKR6 2000x6x Ø 6 l = 2000

FKR8 50x8x Ø 8 l = 50

FKR8 70x8x Ø 8 l = 70

FKR8 100x8x Ø 8 l = 1000

FKR8 1000x8x Ø 8 l = 1000

## Stützhülse für Kühlrohr (flexibel)

Support bushing for pipe (flexible)



Artikel-Nummer / Article Number

SO 40003-6/4 Flex

SO 40003-8/5

## Kühlrohr (Kupfer)

Pipe (copper)



Artikel-Nummer / Article Number

KV4 60x1xM4 l = 60

KV5 35x1xM5 l = 35

KV5 50x1xM5 l = 50

KV5 100x1xM5 l = 100

KV6 15x1xM6 l = 15

KV6 20x1xM6 l = 20

KV6 30x1xM6 l = 30

KV6 50x1xM6 l = 50

KV6 100x1xM6 l = 100

KV6 150x1xM6 l = 150

KV6 200x1xM6 l = 200

KV6 400x1xM6 l = 400

KV6 500x1xM6 l = 500

KV8 50x1,5xM8 l = 50

KV8 100x1,5xM8 l = 100

KV10 50x1,5xM10X1 (Stahl/Steel) l = 50

KV6 50x1x l = 50

KV6 100x1x l = 100

KV6 150x1x l = 150

KV6 35x1xM6-15° l = 50

KV6 50x1xM6-15° l = 100

KV6 100x1xM6-15° l = 150

## Klemmstück für höhenverstellbare Werkzeuge

Clamping part for high adjustable tools



Artikel-Nummer / Article Number

KS Ø18x10

KS Ø18x13

## Verstellschrauben höhenverstellbar

Adjusting screw



Artikel-Nummer / Article Number

SS M5X0.5X9xx

SS M6X08xx

SS M6X10xx

SS M6x10 SH

SS M6X12xx

SS M6x18 SH

SS M6x20 SH

SS M6X16xx

SS M6X20xx

**Anschlag-Schrauben**

Setting screw



Artikel-Nummer / Article Number

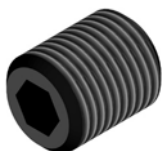
|             |          |
|-------------|----------|
| M8x1 S16    | (VDI 16) |
| M14x1,5 S25 | (VDI 20) |
| M16x1,5 S30 | (VDI 25) |
| M18x1,5 S30 | (VDI 30) |
| M22x1,5 S40 | (VDI 40) |
| M28x1,5 S50 | (VDI 50) |
| M32x1,5 S60 | (VDI 60) |
| M42x1,5 S60 | (VDI 80) |

Für Werkzeugaufnahmen der Typen 19. / 22. / 31.

For tool holders of types 19. / 22. / 31.

**Spannschrauben für E1-Aufnahmen**

Clamping screw for E1 tools



Artikel-Nummer / Article Number

|                  |
|------------------|
| DIN 913 M10x1x12 |
| DIN 913 M12x1x12 |
| DIN 913 M12x1x14 |
| DIN 913 M16x1x16 |

**Ventil-Schrauben**

Value screws



Artikel-Nummer / Article Number

|            |
|------------|
| VVS M8x10  |
| VVS M8x12  |
| VVS M8x14  |
| VVS M10x12 |
| VVS M10x16 |
| VVS M10x18 |
| VVS M10x20 |
| VVS M10x25 |
| VVS M10x30 |
| VVS M10x40 |

**Verschluss-Schrauben**

Lock screw



Artikel-Nummer / Article Number

|                 |
|-----------------|
| DIN 908 M8x1    |
| DIN 908 M10x1   |
| DIN 908 M12x1,5 |
| DIN 908 M14x1,5 |
| DIN 908 M16x1,5 |
| DIN 908 M18x1,5 |
| DIN 908 M22x1,5 |
| DIN 908 M30x1,5 |
| DIN 908 M42x1,5 |
| DIN 908 G1/4"   |
| DIN 908 G1/8"   |

**Spindel mit Anschlagteller**

Spindle with stock stop plate



Artikel-Nummer / Article Number

|               |
|---------------|
| SPA 20-26     |
| SPA 20-26-ZYL |
| SPA 20-32     |
| SPA 20-42     |
| SPA 20-58     |
| SPA 25-26     |
| SPA 25-32     |
| SPA 25 ABC    |
| SPA 25 G200   |
| SPA 30/40-32  |
| SPA 30/40-42  |
| SPA 30/40-58  |

**Höhenverstellbare Halter Klemmplatte**

Clamping plate for infeed tools



Artikel-Nummer / Article Number

|                        |
|------------------------|
| DP 32.112.01 16x08x048 |
| DP 32.312.01 16x08x070 |
| DP 32.412.01 16x08x085 |
| DPK 32.32X48           |

**Feder und Schraube für Druckplatte VDI-Halter**

Spring and screw for clamping plate VDI holder



Artikel-Nummer / Article Number

FS-M4

D-090J

**Fixierstück für Prismenaufnahmen**

Fixing part for dovetail



Artikel-Nummer / Article Number

|          |
|----------|
| NG 16    |
| NG 20    |
| NG 25    |
| NG 32/40 |



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