



Standard Programme – Main Catalogue 2015

CLAMPING TECHNOLOGY

High precision „Made in Germany“ with courage to innovate!

WTE Präzisionstechnik GmbH, an internationally active company, is a technology-oriented operations that develops and produces innovations for the field of clamping technology in their Design and Development Department.

Core competences are in the precision chuck technology, in the hydraulic expansion field and in shrink technology. We have reached the top market position in Europe in the field of precision chucks. More products in high-precision clamping technology will follow.



We rely on highly qualified and engaged employees. Presently, there are approximately 150 employees in our company, who enjoy in-house continuous training in order to meet the high quality demands.

Not only continuing development and innovations for solving production-specific problems, but also the sustained expansion of the Germany location is extremely important to us.

With the construction of a third production hall we have laid the cornerstone for strengthening the Germany production location and thus are creating more employment opportunities in the region.



We are your partner when it comes to clamping technologies - fast, safe, reliable!

Hydraulic Chucks
Modern Production
HPH-High Performance Holder
Innovation
Shrink Chucks
Repair-Service
CNC Precision Drill Chucks
Technical Advice
NC Standard Drill Chucks
Partnership
MICRO Universal Chucks
Availability
Technical Information
Qualified Employees

The art of combining perfect products
and services for your success - all under one roof!



tool-traders-partner.com

WTE Präzisionstechnik in Ehrenfriedersdorf is a member of the „tool-traders-partner“ association and takes the advantages of this strong community to the benefit of its customers and the quality of its products. For further information see the last pages of this catalogue or visit us on the internet at www.tool-traders-partner.com.

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Product overview clamping technology

Hydraulic Chucks



Features

- High run-out accuracy
- Vibration damping effect
- High radial stiffness
- Clamping without additional devices
- Quick setup times
- Flexible clamping range using reducing sleeves
- With resealable coolant duct holes

Available shank forms

- SK
- HSK-A
- HSK-C
- HSK-E
- HSK-F
- BT
- Module
- Adapter

Maximum speed

Up to 40000 min⁻¹

Spare parts & accessories

- Reducing Sleeves
- Shrink Extensions
- Hydraulic Expansion Extensions
- Stop Screws
- Pressure Screws
- Coolant Transfer Pipe
- Misc. keys for adjustments

HPH - High Performance Holder



Features

- Very high holding forces
- Vibration damping effect
- High thermal stability
- All commercially available shanks can be clamped
- Quick setup times
- Very high transmissible torques
- Narrow design 3°

Available shank forms

- SK
- HSK-A
- HSK-C
- HSK-E
- HSK-F
- BT

Maximum speed

Up to 40000 min⁻¹

Spare parts & accessories

- Reducing Sleeves
- Shrink Extensions
- Hydraulic Expansion Extensions
- Stop Screws
- Pressure Screws
- Coolant Transfer Pipe
- Misc. keys for adjustments

Shrink Chucks



Features

- High run-out accuracies
- Vibration damping effect
- High transmissible torques
- High flexibility in contours
- Creep resistant workable steel
- Side coolant duct hole
- With resealable coolant duct holes
- Narrow design 3°

Available shank forms

- SK
- HSK-A
- HSK-C
- HSK-E
- HSK-F
- BT
- Module
- Adapter

Maximum speed

Up to 40000 min⁻¹

Spare parts & accessories

- Shrink Extensions
- Coolant Transfer Pipe
- Misc. keys for adjustments

CNC Precision Drill Chucks



Features

- Various clamping ranges possible
- Reliable pinion-bevel gear drive
- Clockwise and counter-clockwise rotation possible
- Slim construction

Available shank forms

- SK
- HSK-A, HSK-C, HSK-E, HSK-F
- B12
- BT
- Wohlhaupter
- 1835B
- VDI
- MORI-SEIKI
- ABS
- KOMET
- MK
- MAZAK
- UTS Widia
- PSC
- DECKEL
- CHIRON

Maximum speed

Up to 35000 min⁻¹

Spare parts & accessories

- Chuck assembly available as individual part
- Coolant Transfer Pipe
- Misc. keys for adjustments

NC Standard Drill Chucks



Features

- 2 different clamping ranges possible
- Reliable pinion-bevel gear drive
- Clockwise and counter-clockwise rotation possible
- Slim construction

Available shank forms

- SK
- BT

Maximum speed

Up to 7000 min⁻¹

Spare parts & accessories

- Chuck assembly available as individual part
- Coolant Transfer Pipe
- Misc. keys for adjustments

MICRO Universal Chucks



Features

- Continuously expandable clamping range for tool shanks from 0.2 to 6.4 mm
- High holding forces
- Quick setup times
- Flexible clamping

Available shank forms

- SK
- HSK-A
- HSK-E
- BT
- Zylinderschaft

Maximum speed

Up to 60000 min⁻¹

Spare parts

- Spare parts are only available on request. Please contact our Customer Service Team or your authorised WTE dealer.

General information

We deliver in accordance with our delivery/payment terms and conditions (see www.wte-tools.de). Through the publication of this catalogue all relevant previous versions lose their validity. We reserve the rights for technical and pricing modifications.

Reclamations are not entitled through misprints of technical information. Reprint or extracts are not allowed without prior agreement with WTE.

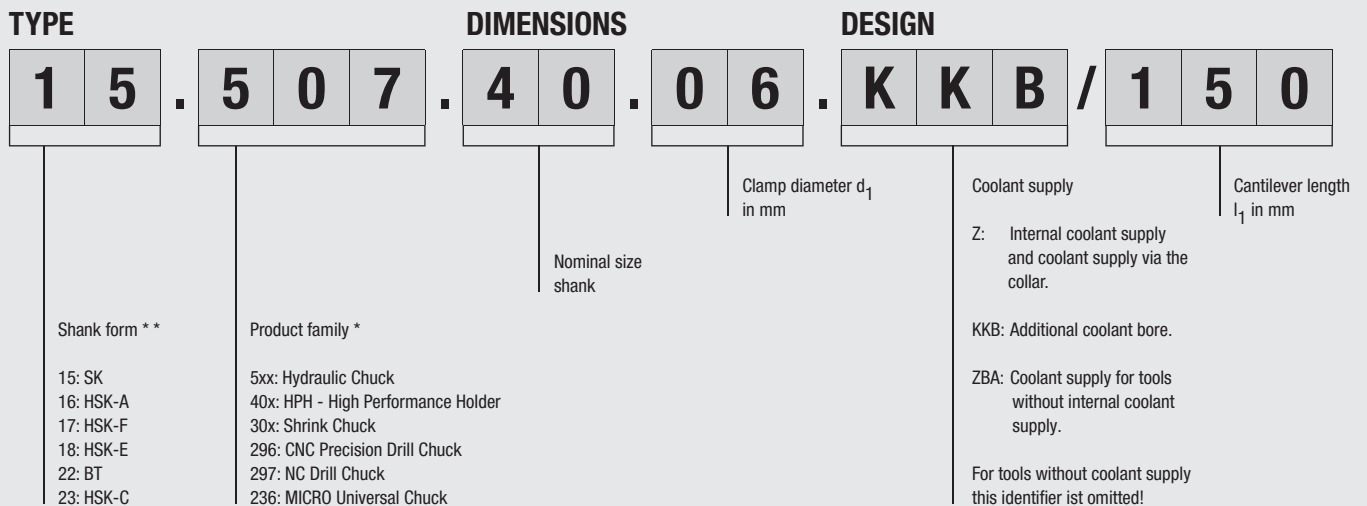
Explanation of dimensions and abbreviations

d = Clamping diameter reducing sleeve
 d_1 = Clamping diameter
 d_2 = Tool restriction min.
 d_3 = Tool restriction max.

l = Clamping depth (reducing sleeve)
 = Length (stop screw)
 = Length setting dimension
 (length pre-adjuster)

l_1 = Cantilever length
 L_{1max} = Projection length (Drill Chucks)
 G = Thread
 sw = SW

Order designation / Technical specification



* The numbers shown for clamping chuck shanks and product families stand for the standard areas included in the programme: Special shanks and further designations within the product families can deviate in the numerical designation.

General information

Cost explanation for balancing

Delivery times or availabilities

If not otherwise indicated on the product page, the following applies:

- These products are available in stock.
- Standard tool not on stock (delivery time on request)















Minimum orders

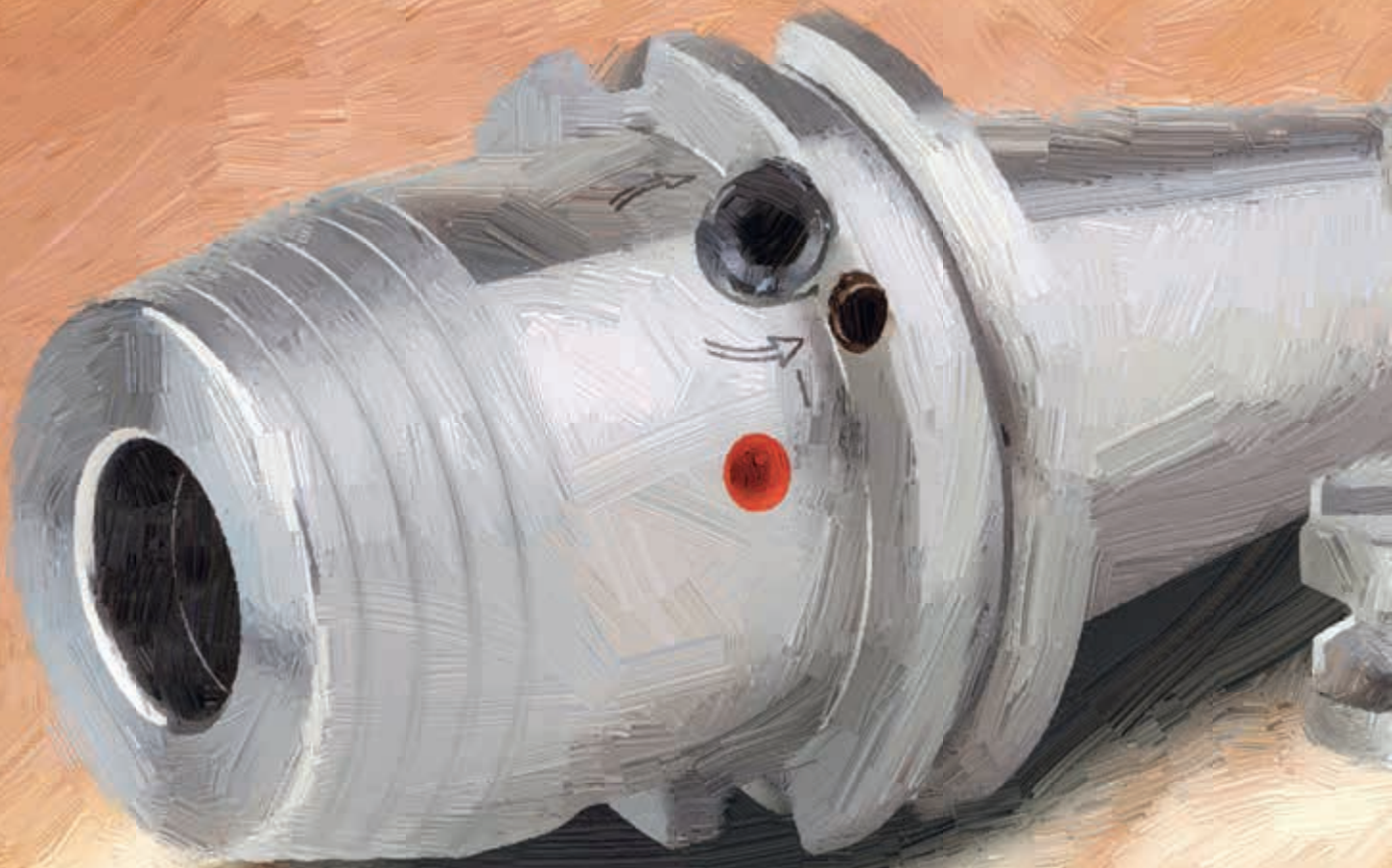
The minimum order value is 20 Euro-- (net).

For low order value we charge a minimum quantity surcharge of € 20.--.

Important information:	Prices for factory balancing (plus the legal VAT)		
	Product group	Balance quality	Price/piece in €
	Hydraulic Chucks	G 2.5 > 25000 min ⁻¹	20.00
	HPH - High Performance Holder	G 2.5 > 25000 min ⁻¹	20.00
	Shrink Chucks	G 2.5 > 25000 min ⁻¹	8.00
	CNC Precision Drill Chucks	G 2.5	20.00
		G 6.3 > 25000 min ⁻¹	14.00
	MICRO Universal Chucks	G 2.5 > 25000 min ⁻¹	20.00

Symbol explanations

	Explanation of the corresponding Standard		Hollow shank taper, Form E		Run-out variation with SK/ISO shanks
	Internal coolant supply taper shank		Hollow shank taper, Form F		Shank tolerance
	Internal coolant supply taper shank or coolant supply via collar		Internal coolant supply		Balance quality
	Hollow shank taper, Form A		Without internal coolant supply		Bore for data carrier/chip acc. to DIN 69873-E10 (Balluf)
	Hollow shank taper, Form C for manual tool change		Run-out variation with HSK shanks		



Hydraulic Chucks

With radial or axial length adjustment

- High run-out accuracy
- Vibration damping effect
- High radial stiffness
- Clamping without additional devices
- Quick setup times
- Flexible clamping range using reducing sleeves
- With resealable coolant duct holes

Shank form SK as per ISO 7388-1

SK 30	Page	12
SK 40	Page	13-18
SK 50	Page	19-23

Shank form HSK

HSK-A 32	Page	24
HSK-A 40	Page	25-26
HSK-A 50	Page	27-28
HSK-A 63	Page	29-36
HSK-A 80	Page	37
HSK-A 100	Page	38-39
HSK-C 40	Page	40
HSK-C 50	Page	41
HSK-C 63	Page	42
HSK-E 40	Page	43
HSK-E 50	Page	44
HSK-F 63	Page	45

Shank form BT as per ISO 7388-2

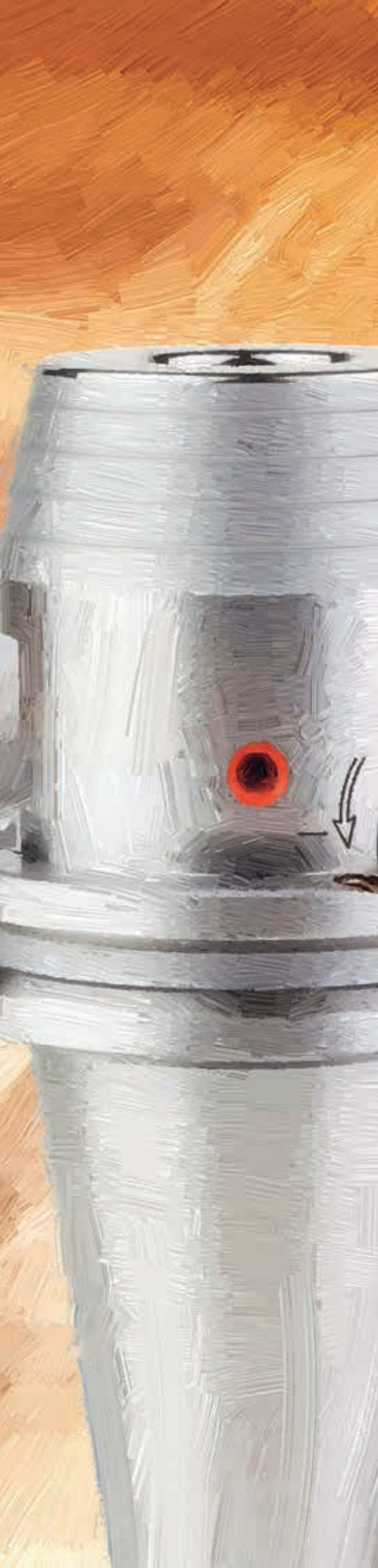
BT 30	Page	46
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Modules

Hydraulic Chuck with radial and angular orientation	Page	54
Modular Short Taper Adapter as per ISO 7388-1	Page	55
Modular Short Taper Adapter HSK-A as per DIN 69871	Page	56
Modular Short Taper Adapter MAS BT as per ISO 7388-2	Page	57

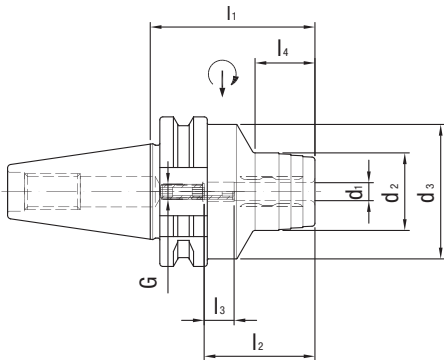
Spare parts & accessories

Spare parts & accessories	Page	58-66
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Hydraulic Chuck ISO 7388-1, Form AD

(prev. DIN 69871-AD), short narrow design



Nominal size SK/ISO	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
30	6	26	45	55	37	10	20	M5	2.5	0.6	15.507.30.06.Z	30336701	●
30	8	28	45	55	37	10	20	M6	3	0.6	15.507.30.08.Z	30336702	●
30	10	30	45	55	41	10	21	M8x1	3	0.6	15.507.30.10.Z	30336703	●
30	12	32	45	55	46	10	22	M8x1	3	0.6	15.507.30.12.Z	30336704	●
30	14	34	45	90	46	10	42	M8x1	3	0.7	15.507.30.14.Z	30336705	●
30	16	38	45	90	49	10	50	M8x1	3	0.7	15.507.30.16.Z	30336706	●
30	18	40	45	90	49	10	50	M8x1	3	0.7	15.507.30.18.Z	30336707	●
30	20	42	45	90	51	10	50	M8x1	3	0.7	15.507.30.20.Z	30336708	●

Dimensions in mm.

Spare parts and accessories at the end of this chapter.

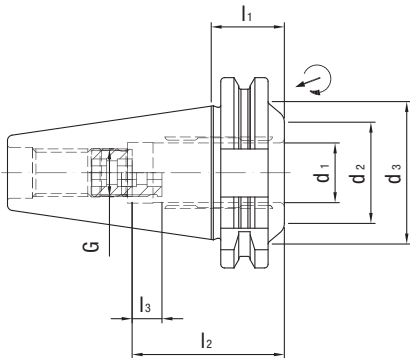
Custom designs available on request.

● These products are available in stock.

○ Standard tool not on stock (delivery time on request).

Hydraulic Chuck ISO 7388-1, Form AD

(prev. DIN 69871-AD), extra short design



Nominal size SK/ISO	Dimensions						G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃						
40	20	34	48	24.5	51	10	M16x1	8	0.6	15.501.40.20.Z	30349264	●

Dimensions in mm.

Spare parts and accessories at the end of this chapter.

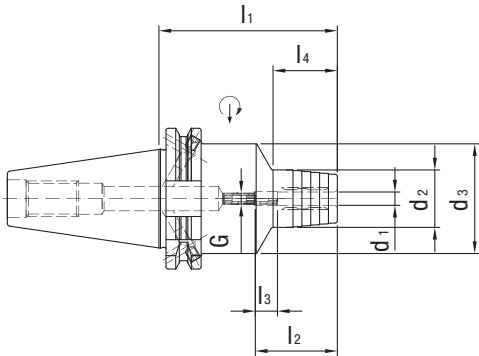
Custom designs available on request.

● These products are available in stock.

○ Standard tool not on stock (delivery time on request).

Hydraulic Chuck ISO 7388-1, Form AD/AF

(prev. DIN 69871-AD/B), short narrow design



Nominal size SK/ISO	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d_1	d_2	d_3	l_1	l_2	l_3	l_4						
40	6	26	49.5	80.5	37	10	29.5	M5	2.5	1.3	15.507.40.06.Z	30336709	●
40	8	28	49.5	80.5	37	10	30	M6	3	1.3	15.507.40.08.Z	30336712	●
40	10	30	49.5	80.5	41	10	35	M8x1	3	1.3	15.507.40.10.Z	30336715	●
40	12	32	49.5	80.5	46	10	40	M10x1	5	1.3	15.507.40.12.Z	30336719	●
40	14	34	49.5	80.5	46	10	40	M10x1	5	1.3	15.507.40.14.Z	30336723	●
40	16	38	49.5	80.5	49	10	45	M12x1	5	1.4	15.507.40.16.Z	30336726	●
40	18	40	49.5	80.5	49	10	46	M12x1	5	1.3	15.507.40.18.Z	30336729	●
40	20	42	49.5	80.5	51	10	47	M16x1	8	1.3	15.507.40.20.Z	30336732	●
40	25	55	63	80.5	57	10	28	M16x1	8	1.6	15.507.40.25.Z	30336736	●
40	32	63	70	80.5	61	10	25.5	M16x1	8	1.7	15.507.40.32.Z	30336739	●

Dimensions in mm.

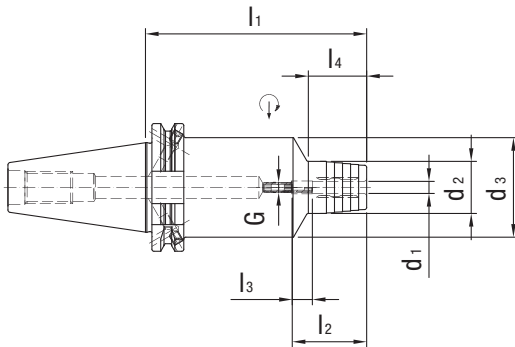
Basic form AD. Please indicate form AF (prev. B) in your order.

Spare parts and accessories at the end of this chapter.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Hydraulic Chuck ISO 7388-1, Form AD/AF

(prev. DIN 69871-AD/B), long narrow design



Nominal size SK/ISO	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d_1	d_2	d_3	l_1	l_2	l_3	l_4						
40	6	26	49.5	110	37	10	29	M5	2.5	1.7	15.507.40.06.Z/110	30336711	●
40	8	28	49.5	110	37	10	30	M6	3	1.8	15.507.40.08.Z/110	30336714	●
40	10	30	49.5	110	41	10	35	M8x1	3	1.8	15.507.40.10.Z/110	30336717	●
40	12	32	49.5	110	46	10	40	M10x1	5	1.8	15.507.40.12.Z/110	30336722	●
40	14	34	49.5	110	46	10	40	M10x1	5	1.8	15.507.40.14.Z/110	30336725	●
40	16	38	49.5	110	49	10	45	M12x1	5	1.8	15.507.40.16.Z/110	30336728	●
40	18	40	49.5	110	49	10	46	M12x1	5	1.9	15.507.40.18.Z/110	30336731	●
40	20	42	49.5	110	51	10	47	M16x1	8	1.9	15.507.40.20.Z/110	30336735	●
40	25	55	63	110	57	10	28	M16x1	8	2.3	15.507.40.25.Z/110	30336738	●
40	32	63	59	110	61	10	59	M16x1	8	2.4	15.507.40.32.Z/110	30336741	●

Dimensions in mm.

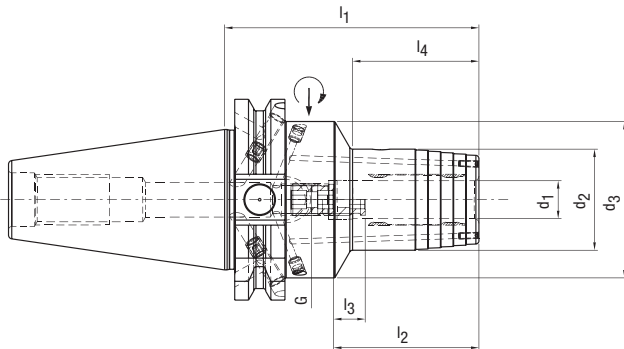
Basic form AD. Please indicate form AF (prev. B) in your order.

Spare parts and accessories at the end of this chapter. Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Hydraulic Chuck ISO 7388-1, Form AD/AF

(prev. DIN 69871-AD/B), short narrow design, with resealable coolant duct holes



Nominal size SK/ISO	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
40	6	26	49.5	80.5	37	10	29.5	M5	2.5	1.3	15.507.40.06.KKB	30595958	○
40	8	28	49.5	80.5	37	10	30	M6	3	1.3	15.507.40.08.KKB	30595959	○
40	10	30	49.5	80.5	41	10	35	M8x1	3	1.3	15.507.40.10.KKB	30595961	○
40	12	32	49.5	80.5	46	10	40	M10x1	5	1.3	15.507.40.12.KKB	30532100	○
40	14	34	49.5	80.5	46	10	40	M10x1	5	1.3	15.507.40.14.KKB	30595962	○
40	16	38	49.5	80.5	49	10	45	M12x1	5	1.4	15.507.40.16.KKB	30595964	○
40	18	40	49.5	80.5	49	10	46	M12x1	5	1.3	15.507.40.18.KKB	30595966	○
40	20	42	49.5	80.5	51	10	47	M16x1	8	1.3	15.507.40.20.KKB	30595967	○
40	25	55	63	80.5	57	10	28	M16x1	8	1.6	15.507.40.25.KKB	30595969	○
40	32	63	70	80.5	61	10	25.5	M16x1	8	1.7	15.507.40.32.KKB	30595970	○

Dimensions in mm.

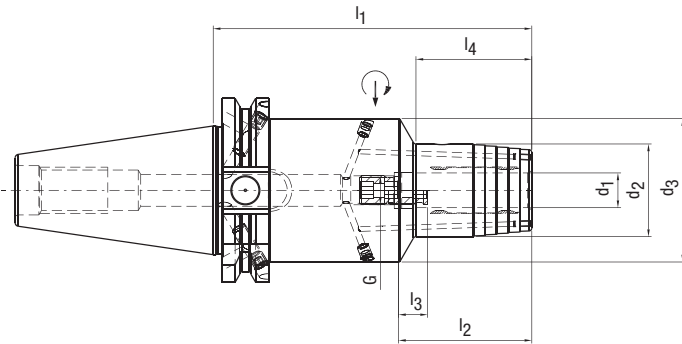
Basic form AD. Please indicate form AF (prev. B) in your order.

Spare parts and accessories at the end of this chapter.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Hydraulic Chuck ISO 7388-1, Form AD/AF

(prev. DIN 69871-AD/B), long narrow design, with resealable coolant duct holes



Nominal size SK/ISO	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
40	6	26	49.5	110	37	10	29	M5	2.5	1.7	15.507.40.06.110.KKB	30596252	○
40	8	28	49.5	110	37	10	30	M6	3	1.7	15.507.40.08.110.KKB	30596254	○
40	10	30	49.5	110	41	10	35	M8x1	3	1.8	15.507.40.10.110.KKB	30596257	○
40	12	32	49.5	110	46	10	40	M10x1	5	1.8	15.507.40.12.110.KKB	30596286	○
40	14	34	49.5	110	46	10	40	M10x1	5	1.8	15.507.40.14.110.KKB	30596293	○
40	16	38	49.5	110	49	10	45	M12x1	5	1.8	15.507.40.16.110.KKB	30596295	○
40	18	40	49.5	110	49	10	46	M12x1	5	1.9	15.507.40.18.110.KKB	30596296	○
40	20	42	49.5	110	51	10	47	M16x1	8	1.9	15.507.40.20.110.KKB	30596297	○
40	25	55	63	110	57	10	28	M16x1	8	2.1	15.507.40.25.110.KKB	30596299	○
40	32	63	59	110	61	10	59	M16x1	8	2.2	15.507.40.32.110.KKB	30596301	○

Dimensions in mm.

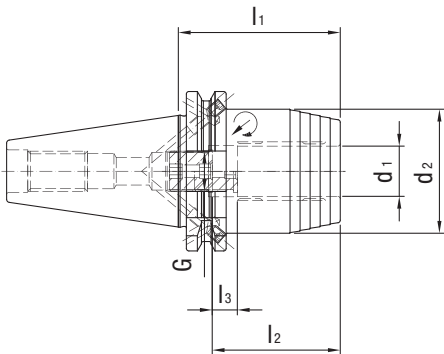
Basic form AD. Please indicate form AF (prev. B) in your order.

Spare parts and accessories at the end of this chapter. Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Hydraulic Chuck ISO 7388-1, Form AD/AF

(prev. DIN 69871-AD/B), short heavy duty design



Nominal size SK/ISO	Dimensions					G	sw	Weight kg	Order designation	Order No.	Stock
	d_1	d_2	l_1	l_2	l_3						
40	20	49.5	64.5	51	10	M16x1	8	1.3	15.508.40.20.Z	30337087	●

Dimensions in mm.

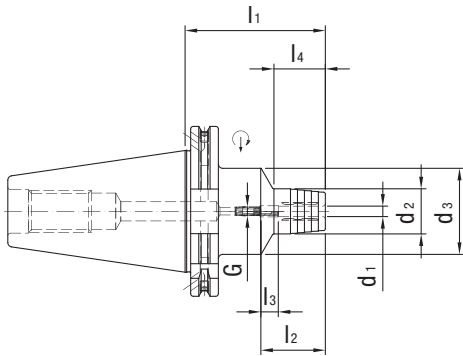
Basic form AD. Please indicate form AF (prev. B) in your order.

Spare parts and accessories at the end of this chapter.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Hydraulic Chuck ISO 7388-1, Form AD/AF

(prev. DIN 69871-AD/B), short narrow design



Nominal size SK/ISO	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d_1	d_2	d_3	l_1	l_2	l_3	l_4						
50	6	26	49.5	80.5	37	10	29.5	M5	2.5	3.2	15.507.50.06.Z	30336743	●
50	8	28	49.5	80.5	37	10	30	M6	3	3.3	15.507.50.08.Z	30336746	●
50	10	30	49.5	80.5	41	10	35	M8x1	3	3.3	15.507.50.10.Z	30336749	●
50	12	32	49.5	80.5	46	10	40	M10x1	5	3.3	15.507.50.12.Z	30336752	●
50	14	34	49.5	80.5	46	10	40	M10x1	5	3.3	15.507.50.14.Z	30336755	●
50	16	38	49.5	80.5	49	10	45	M12x1	5	3.3	15.507.50.16.Z	30336758	●
50	18	40	49.5	80.5	49	10	46	M12x1	5	3.3	15.507.50.18.Z	30336761	●
50	20	42	49.5	80.5	51	10	42	M16x1	8	3.3	15.507.50.20.Z	30336764	●
50	25	55	63	100	57	10	48	M16x1	8	3.8	15.507.50.25.Z	30336767	●
50	32	63	70	100	61	10	61	M16x1	8	4.2	15.507.50.32.Z	30336770	●

Dimensions in mm.

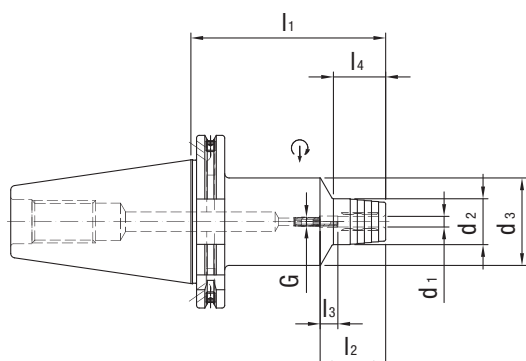
Basic form AD. Please indicate form AF (prev. B) in your order.

Spare parts and accessories at the end of this chapter. Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Hydraulic Chuck ISO 7388-1, Form AD/AF

(prev. DIN 69871-AD/B), long narrow design



Nominal size SK/ISO	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
50	6	26	49.5	110	37	10	29	M5	2.5	4.1	15.507.50.06.Z/110	30336745	○
50	8	28	49.5	110	37	10	30	M6	3	4.1	15.507.50.08.Z/110	30336748	○
50	10	30	49.5	110	41	10	35	M8x1	3	4.1	15.507.50.10.Z/110	30336751	○
50	12	32	49.5	110	46	10	40	M10x1	5	4.3	15.507.50.12.Z/110	30336754	○
50	14	34	49.5	110	46	10	40	M10x1	5	4.3	15.507.50.14.Z/110	30336757	○
50	16	38	49.5	110	49	10	45	M12x1	5	4.3	15.507.50.16.Z/110	30336760	○
50	18	40	49.5	110	49	10	46	M12x1	5	4.5	15.507.50.18.Z/110	30336763	○
50	20	42	49.5	110	51	10	42	M16x1	8	4.5	15.507.50.20.Z/110	30336766	○
50	25	55	63	110	57	10	48	M16x1	8	4.7	15.507.50.25.Z/110	30336769	○
50	32	63	70	110	61	10	61	M16x1	8	4.8	15.507.50.32.Z/110	30336772	○

Dimensions in mm.

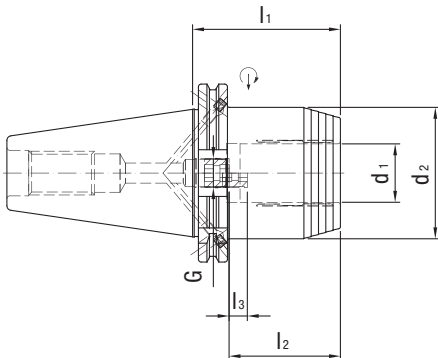
Basic form AD. Please indicate form AF (prev. B) in your order.

Spare parts and accessories at the end of this chapter.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Hydraulic Chuck ISO 7388-1, Form AD/AF

(prev. DIN 69871-AD/B), short heavy duty design



Nominal size SK/ISO	Dimensions					G	sw	Weight kg	Order designation	Order No.	Stock
	d_1	d_2	l_1	l_2	l_3						
50	32	72	81	61	10	M16x1	8	3.9	15.508.50.32.Z	30337089	●

Dimensions in mm.

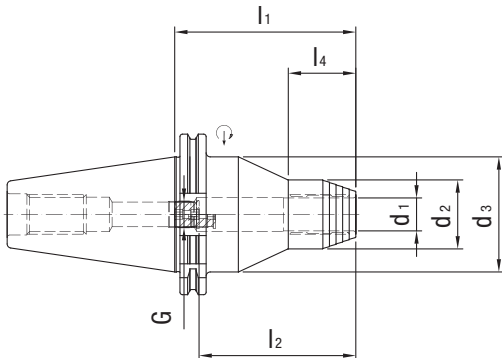
Basic form AD. Please indicate form AF (prev. B) in your order.

Spare parts and accessories at the end of this chapter. Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Hydraulic Chuck ISO 7388-1, Form AD

(prev. DIN 69871-AD), for tool grinders and grinding machines



Nominal size SK/ISO	Dimensions						G	sw	Weight kg	Order designation	Order No.	Stock
	d_1	d_2	d_3	l_1	l_2	l_4						
50	6	32	60	110	43	45	M5	2.5	3.6	15.509.50.06	30336773	○
50	8	33.5	60	110	43	50	M6	3	3.6	15.509.50.08	30336774	○
50	10	35	60	110	43	50	M8x1	3	3.7	15.509.50.10	30336775	○
50	12	36.5	60	110	50	55	M10x1	5	3.7	15.509.50.12	30336776	○
50	14	38	60	110	50	60	M10x1	5	3.7	15.509.50.14	30336777	○
50	16	39.5	60	110	53	60	M12x1	5	3.8	15.509.50.16	30336778	○
50	18	41	60	110	53	60	M12x1	5	3.8	15.509.50.18	30336779	○
50	20	42	70	110	95	41	M16x1	8	3.9	15.509.50.20	30336780	○
50	22	44	70	110	95	43	M16x1	8	3.9	15.509.50.22	30336781	○
50	25	47	70	110	95	40	M16x1	8	3.9	15.509.50.25	30336782	○
50	32	54	70	110	95	56	M16x1	8	4	15.509.50.32	30336783	○

Dimensions in mm.

Spare parts and accessories at the end of this chapter.

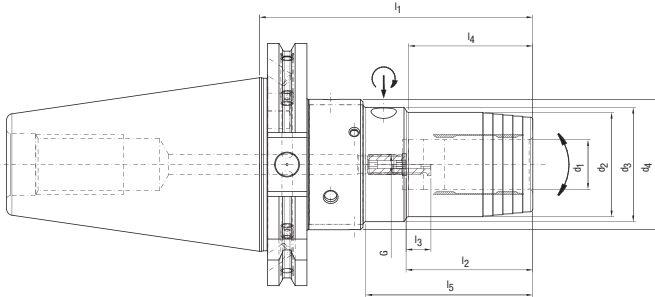
Custom designs available on request.

● These products are available in stock.

○ Standard tool not on stock (delivery time on request).

Hydraulic Chuck Comp-R ISO 7388-1, Form AD/AF

(prev. DIN 69871-AD/B)



Nominal size SK/ISO	Dimensions									G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	d ₄	l ₁	l ₂	l ₃	l ₄	l ₅						
50	20	42	52.5	46	110	51	10	50	67.2	M8x1	3	3.5	15.512.50.20.Z	30614768	●
50	25	55	70	64	115	57	10	50	64.8	M16x1	8	4.4	15.512.50.25.Z	30614769	●
50	32	63	70	64	125	61	10	61	74.8	M16x1	8	4.7	15.512.50.32.Z	30614770	●

Dimensions in mm.

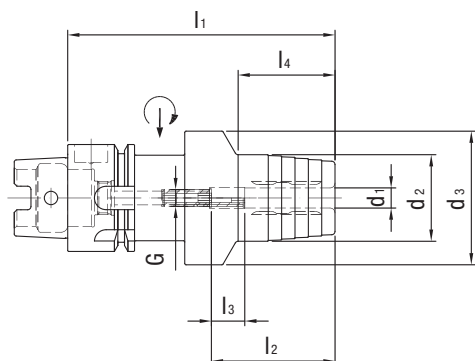
Basic form AD. Please indicate form AF (prev. B) in your order.

Spare parts and accessories at the end of this chapter. Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Hydraulic Chuck DIN 69893-A

Short narrow design



Nominal size HSK-A	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d_1	d_2	d_3	l_1	l_2	l_3	l_4						
32	6	26	40	80	37	10	29	M5	2.5	0.5	16.507.32.06.Z	30336816	●
32	8	28	40	80	37	10	29	M6	3	0.5	16.507.32.08.Z	30336817	●
32	10	30	40	85	41	10	35	M6	3	0.5	16.507.32.10.Z	30336818	●
32	12	32	40	90	46	10	40	M6	3	0.5	16.507.32.12.Z	30336819	●

Dimensions in mm.

Spare parts and accessories at the end of this chapter.

MQL-capable design possible on request.

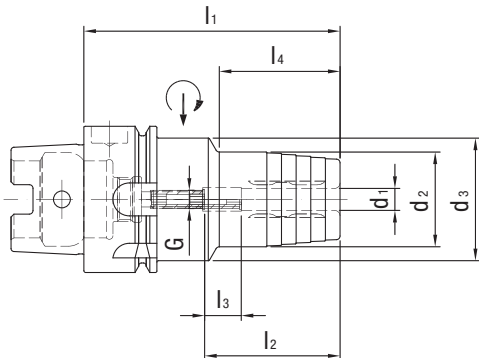
Custom designs available on request.

● These products are available in stock.

○ Standard tool not on stock (delivery time on request).

Hydraulic Chuck DIN 69893-A

Short narrow design



Nominal size HSK-A	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d_1	d_2	d_3	l_1	l_2	l_3	l_4						
40	6	26	33.5	70	37	10	36	M5	2.5	0.4	16.507.40.06.Z	30336820	●
40	8	28	33.5	70	37	10	36	M6	3	0.5	16.507.40.08.Z	30336821	●
40	10	30	33.5	75	41	10	42	M6	3	0.5	16.507.40.10.Z	30336822	●
40	12	32	33.5	80	46	10	48	M6	3	0.6	16.507.40.12.Z	30336823	●

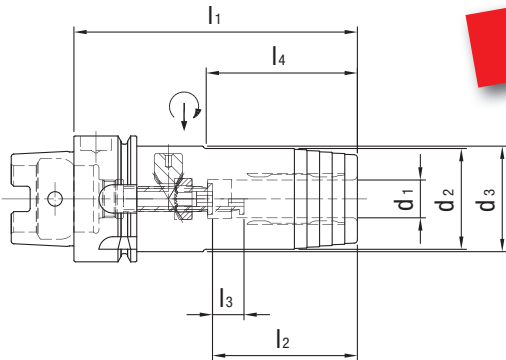
Dimensions in mm.
Spare parts and accessories at the end of this chapter.

MQL-capable design possible on request.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Hydraulic Chuck DIN 69893-A

Short narrow design, with radial length adjustment



Radial

Chip
DIN 69893
Form A
Oil
3 μm
h6
6.2.5 25000 min

Nominal size HSK-A	Dimensions							Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄				
40	6	26	34	80	37	10	36	0.5	16.510.40.06.Z	30349328	○
40	8	28	34	80	37	10	36	0.5	16.510.40.08.Z	30349329	○
40	10	30	34	85	41	10	43	0.6	16.510.40.10.Z	30349330	○
40	12	32	34	90	46	10	48	0.6	16.510.40.12.Z	30349331	○

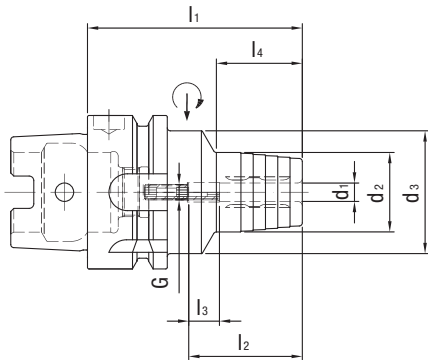
Dimensions in mm.
Spare parts and accessories at the end of this chapter.

MQL-capable design possible on request.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Hydraulic Chuck DIN 69893-A

Short narrow design



Nominal size HSK-A	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
50	6	26	40	70	37	10	28	M5	2.5	0.9	16.507.50.06.Z	30336824	●
50	8	28	40	70	37	10	28	M6	3	0.9	16.507.50.08.Z	30336825	●
50	10	30	40	75	41	10	34	M8x1	3	0.9	16.507.50.10.Z	30336826	●
50	12	32	40	85	46	10	44	M10x1	5	1	16.507.50.12.Z	30336827	●
50	14	34	40	85	46	10	44	M10x1	5	1	16.507.50.14.Z	30336828	●
50	16	38	53	90	49	10	30	M12x1	5	1.2	16.507.50.16.Z	30336829	●
50	18	40	53	90	49	10	30	M12x1	5	1.2	16.507.50.18.Z	30336830	●
50	20	42	57	90	51	10	29	M16x1	5	1.2	16.507.50.20.Z	30336831	●

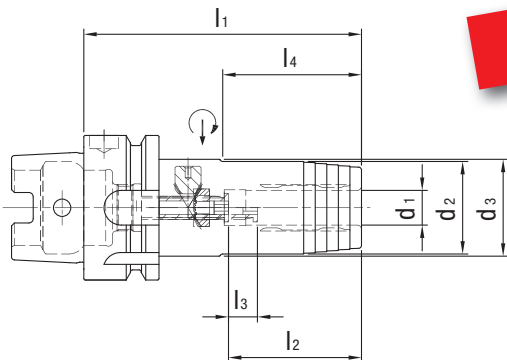
Dimensions in mm.
Spare parts and accessories at the end of this chapter.

MQL-capable design possible on request.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Hydraulic Chuck DIN 69893-A

Short narrow design, with radial length adjustment



Radial



Nominal size HSK-A	Dimensions							Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄				
50	6	26	40	80	37	10	35	0.7	16.510.50.06.Z	30349332	○
50	8	28	40	80	37	10	36	0.7	16.510.50.08.Z	30349333	○
50	10	30	40	85	41	10	38	0.8	16.510.50.10.Z	30349334	○
50	12	32	40	90	46	10	40	0.8	16.510.50.12.Z	30349335	○
50	14	34	40	90	46	10	46	0.8	16.510.50.14.Z	30349336	○
50	16	38	53	95	49	10	36	1	16.510.50.16.Z	30349337	○
50	18	40	53	95	49	10	36	1.1	16.510.50.18.Z	30349338	○
50	20	42	57	100	51	10	37	1.2	16.510.50.20.Z	30349339	○

Dimensions in mm.

Spare parts and accessories at the end of this chapter.

MQL-capable design possible on request.

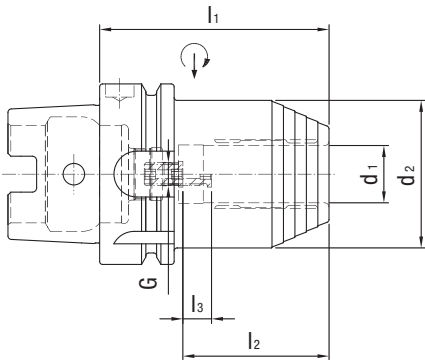
Custom designs available on request.

● These products are available in stock.

○ Standard tool not on stock (delivery time on request).

Hydraulic Chuck DIN 69893-A

Short heavy duty design



Nominal size HSK-A	Dimensions					G	sw	Weight kg	Order designation	Order No.	Stock
	d_1	d_2	l_1	l_2	l_3						
63	20	51.5	80	51	10	M8x1	3	1.5	16.508.63.20.Z	30337091	●

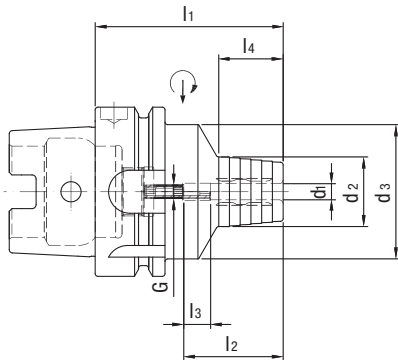
Dimensions in mm.
Spare parts and accessories at the end of this chapter.

MQL-capable design possible on request.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Hydraulic Chuck DIN 69893-A

Short narrow design



Nominal size HSK-A	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d_1	d_2	d_3	l_1	l_2	l_3	l_4						
63	6	26	50	70	37	10	24	M5	2.5	0.9	16.507.63.06.Z	30336832	●
63	8	28	50	70	37	10	25	M6	3	0.9	16.507.63.08.Z	30336837	●
63	10	30	50	80	41	10	35	M8x1	3	1	16.507.63.10.Z	30336842	●
63	12	32	50	85	46	10	40	M10x1	5	1	16.507.63.12.Z	30336847	●
63	14	34	50	85	46	10	40	M10x1	5	1.1	16.507.63.14.Z	30336852	●
63	16	38	50	90	49	10	46	M12x1	5	1.2	16.507.63.16.Z	30336857	●
63	18	40	50	90	49	10	47	M12x1	5	1.2	16.507.63.18.Z	30336862	●
63	20	42	50	90	51	10	48	M16x1	5	1.2	16.507.63.20.Z	30336867	●
63	25	57	53	120	57	10	63	M16x1	5	2.1	16.507.63.25.Z	30336873	●
63	32	63	59	125	61	10	61	M16x1	5	2.3	16.507.63.32.Z	30336875	●

Dimensions in mm.

Spare parts and accessories at the end of this chapter.

MQL-capable design possible on request.

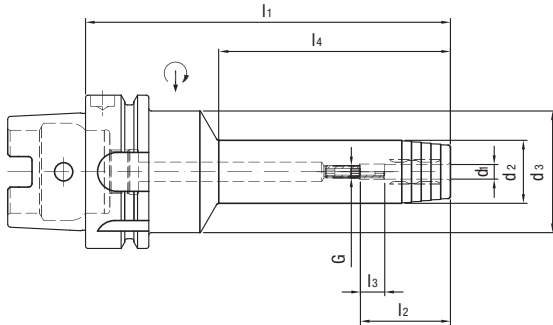
Custom designs available on request.

● These products are available in stock.

○ Standard tool not on stock (delivery time on request).

Hydraulic Chuck DIN 69893-A

Long narrow design



Nominal size HSK-A	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
63	6	26	50	150	37	10	103	M5	2.5	1.7	16.507.63.06.Z/150	30336835	●
63	6	26	50	200	37	10	153	M5	2.5	1.9	16.507.63.06.Z/200	30336836	○
63	8	28	50	150	37	10	104	M6	3	1.7	16.507.63.08.Z/150	30336840	●
63	8	28	50	200	37	10	154	M6	3	1.9	16.507.63.08.Z/200	30336841	○
63	10	30	50	150	41	10	104	M8x1	3	1.7	16.507.63.10.Z/150	30336845	●
63	10	30	50	200	41	10	154	M8x1	3	1.9	16.507.63.10.Z/200	30336846	○
63	12	32	50	150	46	10	105	M10x1	5	1.7	16.507.63.12.Z/150	30336850	●
63	12	32	50	200	46	10	155	M10x1	5	1.9	16.507.63.12.Z/200	30336851	○
63	14	34	50	150	46	10	105	M10x1	5	1.9	16.507.63.14.Z/150	30336855	●
63	14	34	50	200	46	10	155	M10x1	5	2.1	16.507.63.14.Z/200	30336856	○
63	16	38	50	150	49	10	106	M12x1	5	2	16.507.63.16.Z/150	30336860	●
63	16	38	50	200	49	10	156	M12x1	5	2.3	16.507.63.16.Z/200	30336861	○
63	18	40	50	150	49	10	107	M12x1	5	2.1	16.507.63.18.Z/150	30336865	●
63	18	40	50	200	49	10	157	M12x1	5	2.4	16.507.63.18.Z/200	30336866	○
63	20	42	50	150	51	10	108	M16x1	5	2.1	16.507.63.20.Z/150	30336871	●
63	20	42	50	200	51	10	158	M16x1	5	2.4	16.507.63.20.Z/200	30336872	○

Dimensions in mm.

Spare parts and accessories at the end of this chapter.

MQL-capable design possible on request.

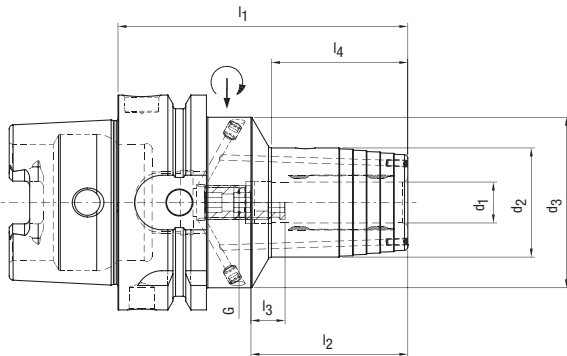
Custom designs available on request.

● These products are available in stock.

○ Standard tool not on stock (delivery time on request).

Hydraulic Chuck DIN 69893-A

Short narrow design, with resealable coolant duct holes



Nominal size HSK-A	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d_1	d_2	d_3	l_1	l_2	l_3	l_4						
63	6	26	50	70	37	10	24	M5_KKB	2.5	0.9	16.507.63.06.KKB	30596222	○
63	8	28	50	70	37	10	25	M6_KKB	3	0.9	16.507.63.08.KKB	30596227	○
63	10	30	50	80	41	10	35	M8x1	3	1	16.507.63.10.KKB	30532104	○
63	12	32	50	85	46	10	40	M10x1	5	1	16.507.63.12.KKB	30596229	○
63	14	34	50	85	46	10	40	M10x1	5	1.1	16.507.63.14.KKB	30596235	○
63	16	38	50	90	49	10	46	M12x1	5	1.2	16.507.63.16.KKB	30596237	○
63	18	40	50	90	49	10	47	M12x1	5	1.2	16.507.63.18.KKB	30596239	○
63	20	42	50	90	51	10	48	M16x1	5	1.2	16.507.63.20.KKB	30596242	○
63	25	57	53	120	57	10	63	M16x1	5	2.2	16.507.63.25.KKB	30596243	○
63	32	63	59	125	61	10	61	M16x1	5	2.4	16.507.63.32.KKB	30596245	○

Dimensions in mm.

Spare parts and accessories at the end of this chapter.

MQL-capable design possible on request.

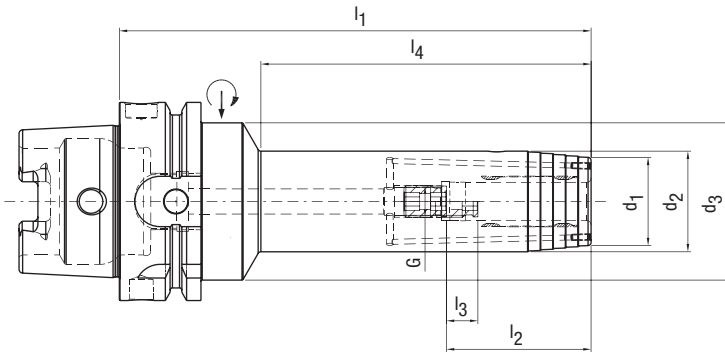
Custom designs available on request.

● These products are available in stock.

○ Standard tool not on stock (delivery time on request).

Hydraulic Chuck DIN 69893-A

Long narrow design, with resealable coolant duct holes



Nominal size HSK-A	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
63	6	26	50	150	37	10	103	M5	2.5	1.3	16.507.63.06.150.KKB	30596356	○
63	8	28	50	150	37	10	104	M6	3	1.3	16.507.63.08.150.KKB	30596357	○
63	10	30	50	150	41	10	104	M8x1	3	1.4	16.507.63.10.150.KKB	30596358	○
63	12	32	50	150	46	10	105	M10x1	5	1.6	16.507.63.12.150.KKB	30596361	○
63	14	34	50	150	46	10	105	M10x1	5	1.7	16.507.63.14.150.KKB	30596363	○
63	16	38	50	150	49	10	106	M12x1	5	1.8	16.507.63.16.150.KKB	30596366	○
63	18	40	50	150	49	10	107	M12x1	5	1.9	16.507.63.18.150.KKB	30596368	○
63	20	42	50	150	51	10	108	M16x1	5	1.9	16.507.63.20.150.KKB	30596369	○

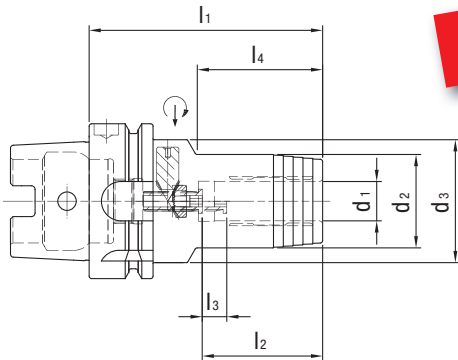
Dimensions in mm.
Spare parts and accessories at the end of this chapter.

MQL-capable design possible on request.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Hydraulic Chuck DIN 69893-A

Short narrow design, with radial length adjustment



Radial



Nominal size HSK-A	Dimensions							Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄				
63	6	26	50	80	37	10	33	1	16.510.63.06.Z	30349340	●
63	8	28	50	80	37	10	33	1.1	16.510.63.08.Z	30349342	●
63	10	30	50	85	41	10	38	1.1	16.510.63.10.Z	30349343	●
63	12	32	50	90	46	10	40	1.2	16.510.63.12.Z	30349344	●
63	14	34	50	90	46	10	46	1.2	16.510.63.14.Z	30349345	●
63	16	38	50	95	49	10	51	1.3	16.510.63.16.Z	30349346	●
63	18	40	50	95	49	10	52	1.3	16.510.63.18.Z	30349347	●
63	20	42	50	100	51	10	51	1.4	16.510.63.20.Z	30349348	●
63	25	57	53	120	57	10	55	2.1	16.510.63.25.Z	30349349	●
63	32	63	53	125	61	10	61	2.4	16.510.63.32.Z	30349350	●

Dimensions in mm.

Spare parts and accessories at the end of this chapter.

MQL-capable design possible on request.

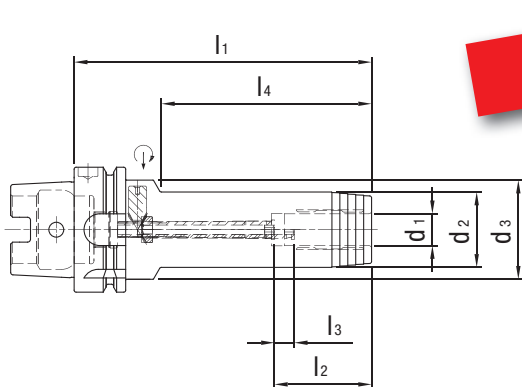
Custom designs available on request.

● These products are available in stock.

○ Standard tool not on stock (delivery time on request).

Hydraulic Chuck DIN 69893-A

Long narrow design, with radial length adjustment



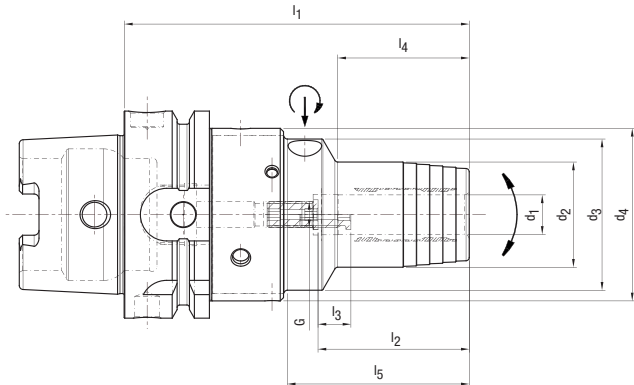
Nominal size HSK-A	Dimensions							Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄				
63	6	26	50	150	37	10	102	1.3	16.510.63.06.Z/150	30460203	○
63	6	32	50	200	37	10	150	1.9	16.510.63.06.Z/200	30460211	○
63	8	28	50	150	37	10	102	1.4	16.510.63.08.Z/150	30386771	○
63	8	34	50	200	37	10	150	2	16.510.63.08.Z/200	30460212	○
63	10	30	50	150	41	10	104	1.5	16.510.63.10.Z/150	30384694	○
63	10	34	50	200	41	10	155	1.9	16.510.63.10.Z/200	30460213	○
63	12	32	50	150	46	10	105	1.5	16.510.63.12.Z/150	30384697	○
63	12	34	50	200	46	10	155	1.9	16.510.63.12.Z/200	30460214	○
63	14	34	50	150	46	10	105	1.6	16.510.63.14.Z/150	30386770	○
63	14	34	50	200	46	10	155	1.9	16.510.63.14.Z/200	30460215	○
63	16	38	50	150	49	10	105	1.7	16.510.63.16.Z/150	30460204	○
63	16	38	50	200	49	10	157	2.2	16.510.63.16.Z/200	30460216	○
63	18	40	50	150	49	10	107	1.8	16.510.63.18.Z/150	30384699	○
63	18	40	50	200	49	10	157	2.3	16.510.63.18.Z/200	30460217	○
63	20	42	50	150	51	10	107	1.9	16.510.63.20.Z/150	30412673	○
63	20	42	50	200	51	10	155	2.4	16.510.63.20.Z/200	30460218	○
63	25	57	53	150	57	10	63	2.6	16.510.63.25.Z/150	30460206	○
63	25	57	53	200	57	10	63	3.5	16.510.63.25.Z/200	30460220	○
63	32	63	53	150	61	10	63	2.7	16.510.63.32.Z/150	30460208	○
63	32	63	53	200	61	10	63	3.6	16.510.63.32.Z/200	30460221	○

Dimensions in mm.
Spare parts and accessories at the end of this chapter.

MQL-capable design possible on request.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Hydraulic Chuck Comp-R DIN 69893-A



Nominal size HSK-A	Dimensions									G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	d ₄	l ₁	l ₂	l ₃	l ₄	l ₅						
63	12	32	52.5	46	105	46	10	40	55.3	M8x1	3	1.3	16.512.63.12.Z	30614752	●
63	16	38	52.5	46	110	49	10	45	60.3	M8x1	3	1.4	16.512.63.16.Z	30614764	●
63	20	42	52.5	46	115	51	10	50	65.3	M8x1	3	1.5	16.512.63.20.Z	30614765	●
63	25	57	70	64	145	57	10	55	69.5	M16x1	8	2.9	16.512.63.25.Z	30614766	●
63	32	63	70	64	150	61	10	60	74.5	M16x1	8	3.1	16.512.63.32.Z	30614767	●

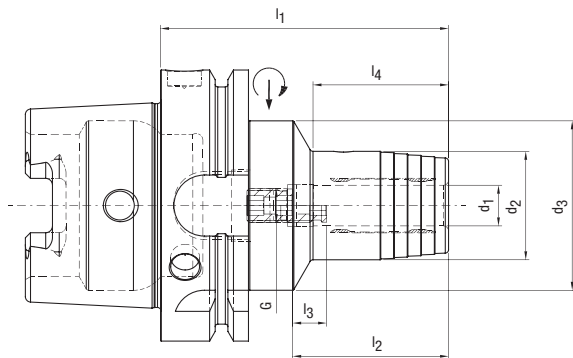
Dimensions in mm.
Spare parts and accessories at the end of this chapter.

MQL-capable design possible on request.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Hydraulic Chuck DIN 69893-A

Short narrow design



Nominal size HSK-A	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d_1	d_2	d_3	l_1	l_2	l_3	l_4						
80	6	26	50	70	37	10	24	M5	2.5	1.4	16.507.80.06.Z	30432279	○
80	8	28	50	70	37	10	24	M6	3	1.4	16.507.80.08.Z	30432282	○
80	10	30	50	80	41	10	35	M8x1	3	1.5	16.507.80.10.Z	30432285	○
80	12	32	50	85	46	10	40	M10x1	5	1.6	16.507.80.12.Z	30432287	○
80	14	34	50	85	46	10	40	M10x1	5	1.6	16.507.80.14.Z	30432288	○
80	16	38	50	95	49	10	51	M12x1	5	1.6	16.507.80.16.Z	30409104	○
80	18	40	50	95	49	10	51	M12x1	5	1.7	16.507.80.18.Z	30432290	○
80	20	42	50	95	51	10	51	M16x1	8	1.7	16.507.80.20.Z	30432292	○
80	25	57	63	110	57	10	65	M16x1	8	2.6	16.507.80.25.Z	30432295	○
80	32	63	63	125	61	10	63	M16x1	8	3.1	16.507.80.32.Z	30432301	○

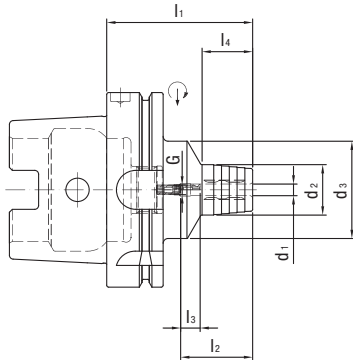
Dimensions in mm.
Spare parts and accessories at the end of this chapter.

MQL-capable design possible on request.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Hydraulic Chuck DIN 69893-A

Short narrow design



Nominal size HSK-A	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d_1	d_2	d_3	l_1	l_2	l_3	l_4						
100	6	26	50	75	37	10	26	M5	2.5	2.3	16.507.100.06.Z	30336784	●
100	8	28	50	75	37	10	26	M6	3	2.3	16.507.100.08.Z	30336788	●
100	10	30	50	90	41	10	42	M8x1	3	2.5	16.507.100.10.Z	30336792	●
100	12	32	50	95	46	10	47	M10x1	5	2.5	16.507.100.12.Z	30336796	●
100	14	34	50	95	46	10	47	M10x1	5	2.5	16.507.100.14.Z	30336800	●
100	16	38	50	100	49	10	53	M12x1	5	2.6	16.507.100.16.Z	30336802	●
100	18	40	50	100	49	10	53	M12x1	5	2.6	16.507.100.18.Z	30336806	●
100	20	42	50	105	51	10	59	M16x1	8	2.7	16.507.100.20.Z	30336808	●
100	25	57	63	110	57	10	62	M16x1	8	3.3	16.507.100.25.Z	30336812	●
100	32	63	67	110	61	10	60	M16x1	8	3.5	16.507.100.32.Z	30336814	●

Dimensions in mm.

Spare parts and accessories at the end of this chapter.

MQL-capable design possible on request.

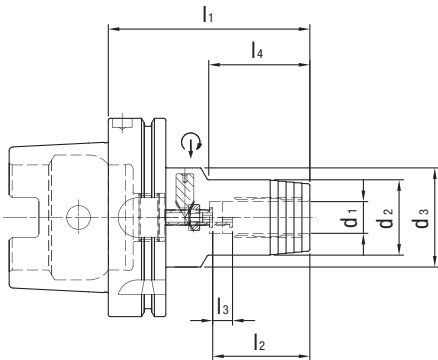
Custom designs available on request.

● These products are available in stock.

○ Standard tool not on stock (delivery time on request).

Hydraulic Chuck DIN 69893-A

Short narrow design, with radial length adjustment



Radial



Nominal size HSK-A	Dimensions							Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄				
100	6	26	63	85	37	10	33	2.5	16.510.100.06.Z	30349351	○
100	8	28	63	85	37	10	33	2.6	16.510.100.08.Z	30349352	○
100	10	30	63	90	41	10	36	2.7	16.510.100.10.Z	30349353	○
100	12	32	63	95	46	10	40	2.7	16.510.100.12.Z	30349354	○
100	14	34	63	95	46	10	41	2.7	16.510.100.14.Z	30349355	○
100	16	38	63	100	49	10	46	2.8	16.510.100.16.Z	30349356	○
100	18	40	63	100	49	10	46	2.9	16.510.100.18.Z	30349357	○
100	20	42	75	105	51	10	51	3.1	16.510.100.20.Z	30349358	○
100	25	57	75	115	57	10	55	3.8	16.510.100.25.Z	30349359	○
100	32	63	75	120	61	10	63	4	16.510.100.32.Z	30349360	○

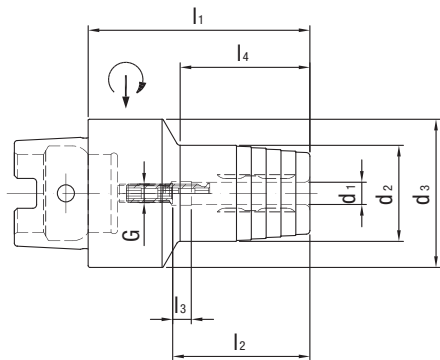
Dimensions in mm.
Spare parts and accessories at the end of this chapter.

MQL-capable design possible on request.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Hydraulic Chuck DIN 69893-C

Short narrow design, for manual change



Nominal size HSK-C	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
40	6	26	40	60	37	10	35	M5	2.5	0.5	23.507.40.06.Z	30337045	●
40	8	28	40	60	37	10	36	M6	3	0.5	23.507.40.08.Z	30337046	●
40	10	30	40	65	41	10	41	M6	3	0.6	23.507.40.10.Z	30337047	●
40	12	32	40	70	46	10	47	M6	3	0.6	23.507.40.12.Z	30337048	●

Dimensions in mm.

Spare parts and accessories at the end of this chapter.

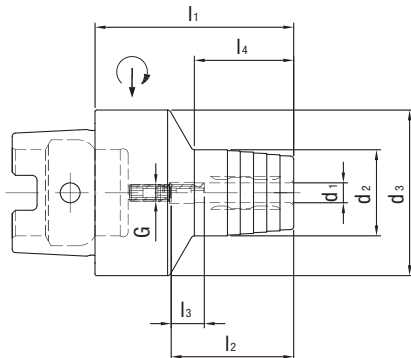
Custom designs available on request.

● These products are available in stock.

○ Standard tool not on stock (delivery time on request).

Hydraulic Chuck DIN 69893-C

Short narrow design, for manual change



Nominal size HSK-C	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
50	6	26	50	60	37	10	30	M5	2.5	0.7	23.507.50.06.Z	30337049	●
50	8	28	50	60	37	10	30	M6	3	0.7	23.507.50.08.Z	30337050	●
50	10	30	50	65	41	10	35	M8x1	3	1	23.507.50.10.Z	30337051	●
50	12	32	50	75	46	10	40	M10x1	5	0.9	23.507.50.12.Z	30337052	●
50	14	34	50	75	46	10	40	M10x1	5	0.8	23.507.50.14.Z	30337053	●
50	16	38	50	80	49	10	50	M12x1	5	1.1	23.507.50.16.Z	30337054	●
50	18	40	50	80	49	10	50	M12x1	5	1.4	23.507.50.18.Z	30337055	●
50	20	42	50	80	51	10	50	M16x1	5	1.2	23.507.50.20.Z	30337056	●
50	25	49.5	50	90	57	10	59	M16x1	5	1.1	23.507.50.25.Z	30337057	●

Dimensions in mm.

Spare parts and accessories at the end of this chapter.

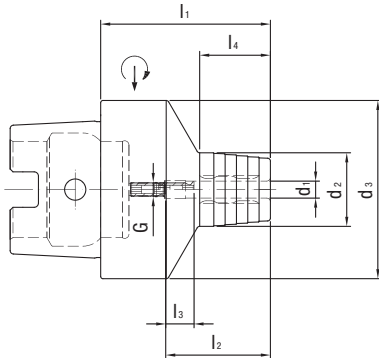
Custom designs available on request.

● These products are available in stock.

○ Standard tool not on stock (delivery time on request).

Hydraulic Chuck DIN 69893-C

Short narrow design, for manual change



Nominal size HSK-C	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
63	6	26	63	60	37	10	25	M5	2.5	1	23.507.63.06.Z	30337058	●
63	8	28	63	60	37	10	25	M6	3	1	23.507.63.08.Z	30337059	●
63	10	30	63	65	41	10	31	M8x1	3	1	23.507.63.10.Z	30337060	●
63	12	32	63	75	46	10	41	M10x1	5	1.1	23.507.63.12.Z	30337061	●
63	14	34	63	75	46	10	42	M10x1	5	1.1	23.507.63.14.Z	30337062	●
63	16	38	63	80	49	10	48	M12x1	5	1.1	23.507.63.16.Z	30337063	●
63	18	40	63	80	49	10	48	M12x1	5	1.2	23.507.63.18.Z	30337064	●
63	20	42	63	80	51	10	49	M16x1	5	1.2	23.507.63.20.Z	30337065	●
63	25	58	63	95	57	10	63	M16x1	5	2	23.507.63.25.Z	30337066	●
63	32	62	63	100	61	10	60	M16x1	5	2.1	23.507.63.32.Z	30337067	●

Dimensions in mm.

Spare parts and accessories at the end of this chapter.

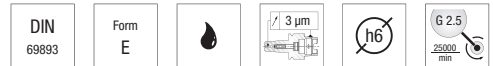
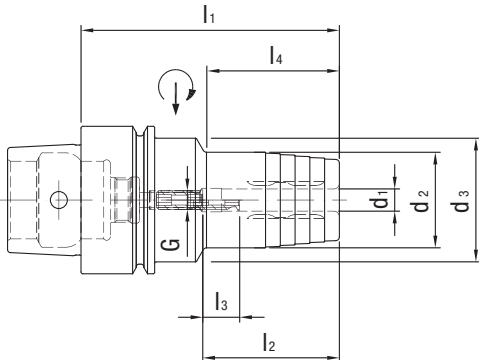
Custom designs available on request.

● These products are available in stock.

○ Standard tool not on stock (delivery time on request).

Hydraulic Chuck DIN 69893-E

Short narrow design, for manual change



Nominal size HSK-E	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d_1	d_2	d_3	l_1	l_2	l_3	l_4						
40	6	26	33.5	70	37	10	36	M5	2.5	0.5	18.507.40.06.Z	30336886	●
40	8	28	33.5	70	37	10	36	M6	3	0.5	18.507.40.08.Z	30336887	●
40	10	30	33.5	75	41	10	42	M6	3	0.6	18.507.40.10.Z	30336888	●
40	12	32	33.5	80	46	10	48	M6	3	0.6	18.507.40.12.Z	30336889	●

Dimensions in mm.

Spare parts and accessories at the end of this chapter.

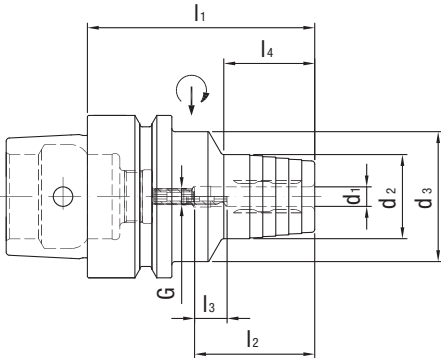
Custom designs available on request.

● These products are available in stock.

○ Standard tool not on stock (delivery time on request).

Hydraulic Chuck DIN 69893-E

Short narrow design, for manual change



Nominal size HSK-E	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
50	6	26	40	70	37	10	28	M5	2.5	0.9	18.507.50.06.Z	30336892	●
50	8	28	40	70	37	10	28	M6	3	0.9	18.507.50.08.Z	30336893	●
50	10	30	40	75	41	10	34	M8x1	3	1	18.507.50.10.Z	30336894	●
50	12	32	40	85	46	10	44	M10x1	5	1	18.507.50.12.Z	30336895	●
50	14	34	40	85	46	10	44	M10x1	5	1	18.507.50.14.Z	30336896	●
50	16	38	42	90	49	10	30	M12x1	5	1	18.507.50.16.Z	30336897	●
50	18	40	42	90	49	10	29	M12x1	5	1.2	18.507.50.18.Z	30336898	●
50	20	42	42	90	51	10	29	M16x1	5	1.2	18.507.50.20.Z	30336899	●

Dimensions in mm.

Spare parts and accessories at the end of this chapter.

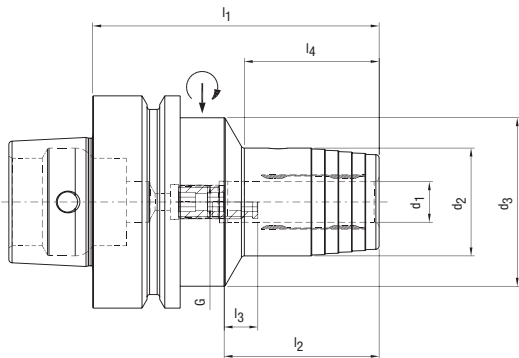
Custom designs available on request.

● These products are available in stock.

○ Standard tool not on stock (delivery time on request).

Hydraulic Chuck DIN 69893-F

Short narrow design, for automatic change



Nominal size HSK-F	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
63	6	26	50	70	37	10	24	M5	2.5	1	17.507.63.06	30336877	○
63	8	28	50	70	37	10	25	M6	3	1	17.507.63.08	30336878	○
63	10	30	50	80	41	10	35	M8x1	3	1.1	17.507.63.10	30336879	○
63	12	32	50	85	46	10	40	M10x1	5	1.1	17.507.63.12	30336880	○
63	14	34	50	85	46	10	40	M10x1	5	1.2	17.507.63.14	30336881	○
63	16	38	50	90	49	10	46	M12x1	5	1.2	17.507.63.16	30336882	○
63	18	40	50	90	49	10	47	M12x1	5	1.4	17.507.63.18	30336883	○
63	20	42	50	90	51	10	48	M16x1	5	1.4	17.507.63.20	30336884	○
63	25	57	53	120	57	10	63	M16x1	5	2.1	17.507.63.25	30336885	○

Dimensions in mm.

Spare parts and accessories at the end of this chapter.

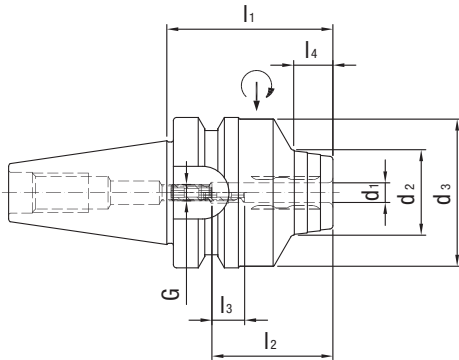
Custom designs available on request.

● These products are available in stock.

○ Standard tool not on stock (delivery time on request).

Hydraulic Chuck ISO 7388-2 (JIS B6339), Form J

Short narrow design, coolant supply as per ISO 7388-2, Form JD



Nominal size BT	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
30	6	26	45	50.8	37	10	12	M5	2.5	0.7	22.507.30.06.Z	30336900	●
30	8	28	45	50.8	37	10	12.5	M6	3	0.7	22.507.30.08.Z	30336905	●
30	10	30	45	50.8	41	10	13	M8x1	3	0.7	22.507.30.10.Z	30336910	●
30	12	32	45	50.8	46	10	14	M8x1	3	0.7	22.507.30.12.Z	30336915	●
30	14	34	45	90	46	10	45	M8x1	3	1	22.507.30.14.Z	30336920	●
30	16	38	45	90	49	10	50	M8x1	3	1	22.507.30.16.Z	30336921	●
30	18	40	45	90	49	10	50	M8x1	3	1	22.507.30.18.Z	30336924	●
30	20	42	45	90	51	10	50	M8x1	3	1	22.507.30.20.Z	30336925	●

Dimensions in mm.

Spare parts and accessories at the end of this chapter.

BBT version on request.

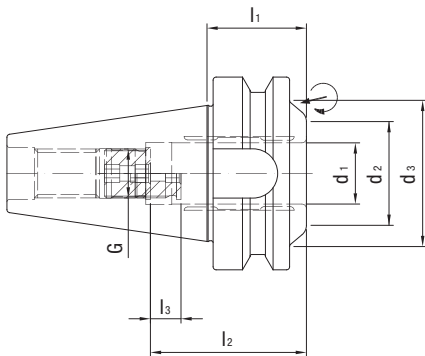
Custom designs available on request.

● These products are available in stock.

○ Standard tool not on stock (delivery time on request).

Hydraulic Chuck ISO 7388-2 (JIS B6339), Form J

Extra short design, coolant supply as per ISO 7388-2, Form JD



Nominal size BT	Dimensions						G	sw	Weight kg	Order designation	Order No.	Stock
	d_1	d_2	d_3	l_1	l_2	l_3						
40	20	34	48	32.5	51	10	M16x1	8	0.7	22.501.40.20.Z	30411484	●

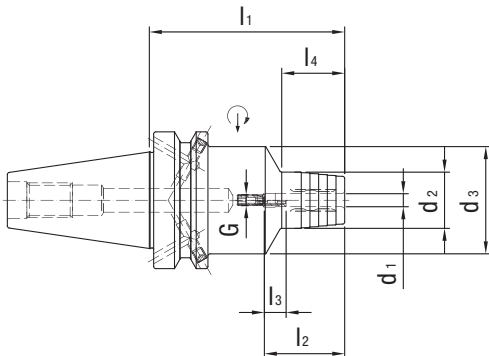
Dimensions in mm.
Spare parts and accessories at the end of this chapter.

BBT version on request.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Hydraulic Chuck ISO 7388-2 (JIS B6339), Form J

Short narrow design, coolant supply as per ISO 7388-2, Form JD/JF



Nominal size BT	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d_1	d_2	d_3	l_1	l_2	l_3	l_4						
40	6	26	49.5	90	37	10	29	M5	2.5	1.5	22.507.40.06.Z	30336927	●
40	8	28	49.5	90	37	10	30	M6	3	1.6	22.507.40.08.Z	30336933	●
40	10	30	49.5	90	41	10	35	M8x1	3	1.6	22.507.40.10.Z	30336939	●
40	12	32	49.5	90	46	10	40	M10x1	5	1.6	22.507.40.12.Z	30336946	●
40	14	34	49.5	90	46	10	40	M10x1	5	1.6	22.507.40.14.Z	30336953	●
40	16	38	49.5	90	49	10	45	M12x1	5	1.6	22.507.40.16.Z	30336958	●
40	18	40	49.5	90	49	10	46	M12x1	5	1.6	22.507.40.18.Z	30336964	●
40	20	42	49.5	90	51	10	47	M16x1	8	1.6	22.507.40.20.Z	30336969	●
40	25	55	52	90	57	10	50	M16x1	8	1.9	22.507.40.25.Z	30336975	●
40	32	63	62	90	61	10	48	M16x1	8	2.1	22.507.40.32.Z	30336982	●

Dimensions in mm.

Basic form JD. Please indicate form JF (prev. B) in your order.

Spare parts and accessories at the end of this chapter.

BBT version on request.

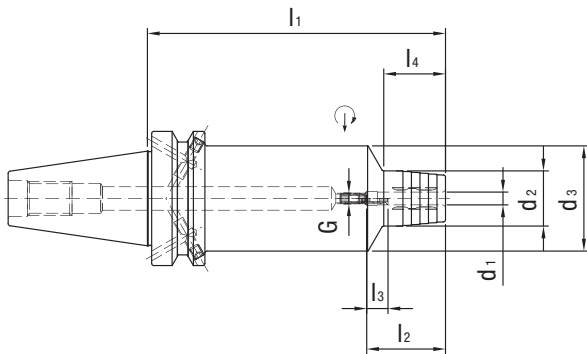
Custom designs available on request.

● These products are available in stock.

○ Standard tool not on stock (delivery time on request).

Hydraulic Chuck ISO 7388-2 (JIS B6339), Form J

Long narrow design, coolant supply as per ISO 7388-2, Form JD/JF



Nominal size BT	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
40	6	26	49.5	140	37	10	29	M5	2.5	2.1	22.507.40.06.Z/140	30336930	●
40	8	28	49.5	140	37	10	30	M6	3	2.1	22.507.40.08.Z/140	30336936	●
40	10	30	49.5	140	41	10	35	M8x1	3	2.1	22.507.40.10.Z/140	30336943	●
40	12	32	49.5	140	46	10	40	M10x1	5	2.1	22.507.40.12.Z/140	30336950	●
40	14	34	49.5	140	46	10	40	M10x1	5	2.1	22.507.40.14.Z/140	30336956	●
40	16	38	49.5	140	49	10	45	M12x1	5	2.1	22.507.40.16.Z/140	30336961	●
40	18	40	49.5	140	49	10	46	M12x1	5	2.1	22.507.40.18.Z/140	30336967	●
40	20	42	49.5	140	51	10	47	M16x1	8	2.1	22.507.40.20.Z/140	30336973	●
40	25	55	52	140	57	10	75	M16x1	8	2.8	22.507.40.25.Z/140	30336979	●
40	32	63	59	140	61	10	61	M16x1	8	2.9	22.507.40.32.Z/140	30336987	●

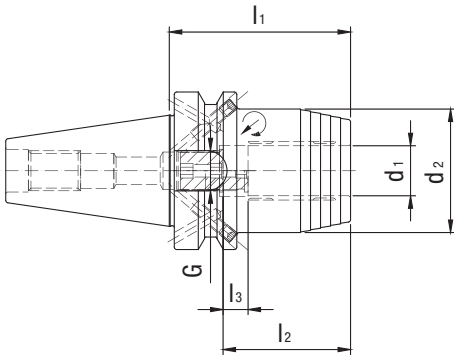
Dimensions in mm.
Basic form JD. Please indicate form JF (prev. B)
in your order.

Spare parts and accessories at the end of this chapter.
BBT version on request.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Hydraulic Chuck ISO 7388-2 (JIS B6339), Form J

Short heavy duty design, coolant supply as per ISO 7388-2, Form JD/JF



Nominal size BT	Dimensions					G	sw	Weight kg	Order designation	Order No.	Stock
	d_1	d_2	l_1	l_2	l_3						
40	20	49.5	72.5	51	10	M16x1	8	1.5	22.508.40.20.Z	30337093	●

Dimensions in mm.

Basic form JD. Please indicate form JF (prev. B) in your order.

Spare parts and accessories at the end of this chapter.

BBT version on request.

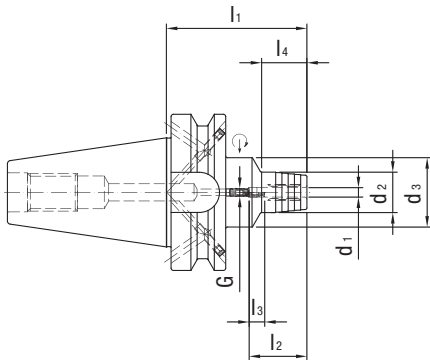
Custom designs available on request.

● These products are available in stock.

○ Standard tool not on stock (delivery time on request).

Hydraulic Chuck ISO 7388-2 (JIS B6339), Form J

Short narrow design, coolant supply as per ISO 7388-2, Form JD/JF



Nominal size BT	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d_1	d_2	d_3	l_1	l_2	l_3	l_4						
50	6	26	49.5	90	37	10	29	M5	2.5	4.2	22.507.50.06.Z	30336989	●
50	8	28	49.5	90	37	10	30	M6	3	4.2	22.507.50.08.Z	30336995	●
50	10	30	49.5	90	41	10	34	M8x1	3	4.2	22.507.50.10.Z	30337001	●
50	12	32	49.5	90	46	10	34	M10x1	5	4.2	22.507.50.12.Z	30337007	●
50	14	34	49.5	90	46	10	34	M10x1	5	4.2	22.507.50.14.Z	30337013	●
50	16	38	49.5	90	49	10	35	M12x1	5	4.2	22.507.50.16.Z	30337017	●
50	18	40	49.5	90	49	10	35	M12x1	5	4.2	22.507.50.18.Z	30337023	●
50	20	42	49.5	90	51	10	35	M16x1	8	4.2	22.507.50.20.Z	30337027	●
50	25	55	63	110	57	10	48	M16x1	8	4.6	22.507.50.25.Z	30337033	●
50	32	63	70	110	61	10	50	M16x1	8	5	22.507.50.32.Z	30337039	●

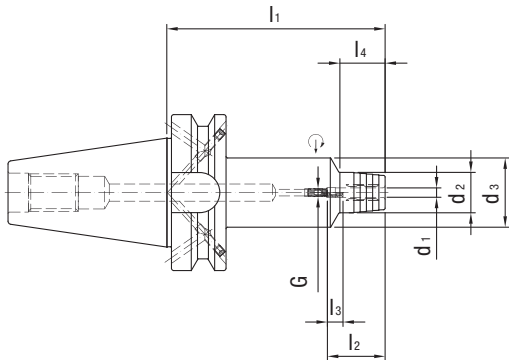
Dimensions in mm.
Basic form JD. Please indicate form JF (prev. B) in your order.

Spare parts and accessories at the end of this chapter.
BBT version on request.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Hydraulic Chuck ISO 7388-2 (JIS B6339), Form J

Long narrow design, coolant supply as per ISO 7388-2, Form JD/JF



Nominal size BT	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d_1	d_2	d_3	l_1	l_2	l_3	l_4						
50	6	26	49.5	140	37	10	29	M5	2.5	5	22.507.50.06.Z/140	30336993	○
50	8	28	49.5	140	37	10	30	M6	3	5	22.507.50.08.Z/140	30336999	○
50	10	30	49.5	140	41	10	35	M8x1	3	5	22.507.50.10.Z/140	30337005	○
50	12	32	49.5	140	46	10	40	M10x1	5	5	22.507.50.12.Z/140	30337011	○
50	14	34	49.5	140	46	10	40	M10x1	5	5	22.507.50.14.Z/140	30337016	○
50	16	38	49.5	140	49	10	45	M12x1	5	5	22.507.50.16.Z/140	30337021	○
50	18	40	49.5	140	49	10	46	M12x1	5	5.1	22.507.50.18.Z/140	30337026	○
50	20	42	49.5	140	51	10	42	M16x1	8	5.1	22.507.50.20.Z/140	30337031	○
50	25	55	63	140	57	10	48	M16x1	8	5.5	22.507.50.25.Z/140	30337036	○
50	32	63	70	140	61	10	50	M16x1	8	5.7	22.507.50.32.Z/140	30337042	○

Dimensions in mm.

Basic form JD. Please indicate form JF (prev. B) in your order.

Spare parts and accessories at the end of this chapter.

BBT version on request.

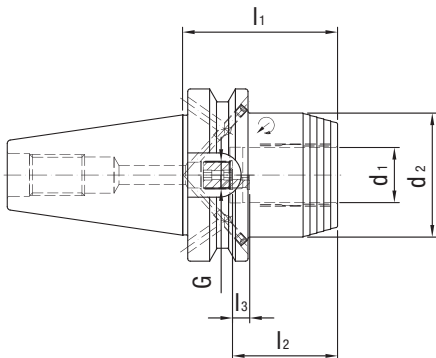
Custom designs available on request.

● These products are available in stock.

○ Standard tool not on stock (delivery time on request).

Hydraulic Chuck ISO 7388-2 (JIS B6339), Form J

Short heavy duty design, coolant supply as per ISO 7388-2, Form JD/JF



Nominal size BT	Dimensions					G	sw	Weight kg	Order designation	Order No.	Stock
	d_1	d_2	l_1	l_2	l_3						
50	32	72	90	61	10	M16x1	8	4.7	22.508.50.32.Z	30337095	●

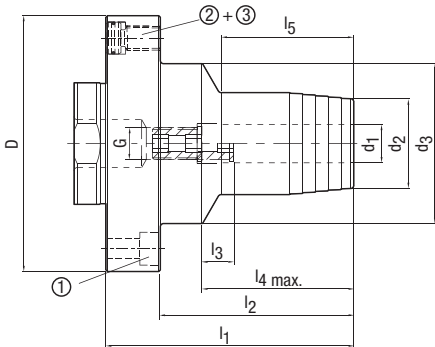
Dimensions in mm.
Basic form JD. Please indicate form JF (prev. B)
in your order.

Spare parts and accessories at the end of this chapter.
BBT version on request.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Hydraulic Chuck with radial and angular orientation

Module connection dimensions as per MN5000-14



Module diameter D	Dimensions								G	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄ max.	l ₅					
80	12	32	50	77.5	60.5	10	47.5	41.5	M10x1	1.2	68.507.80.12.Z	30338153	●
80	16	38	50	82.5	65.5	10	52.5	47.5	M12x1	1.3	68.507.80.16.Z	30338154	●
80	20	42	50	82.5	65.5	10	52.5	49.5	M16x1	1.4	68.507.80.20.Z	30338155	●
100	25	57	63	100	79	10	61.5	61	M16x1	2.8	68.507.100.25.Z	30492397	●
117	32	64	75	103	82	10	65	60	M16x1	3.7	68.507.117.32.Z	30492399	●

Spare parts for Hydraulic Chuck with radial and angular orientation

Module diameter D	Qty. required	① Cylinder head screw as per ISO 4762					② Thrust piece			③ Grub screw		
		Size	Order desig.	Order No.	Stock	Order desig.	Order No.	Stock	Order desig.	Order No.	Stock	
80	4	M6x20 – 12.9	89.122.112	10003619	●	89.122.113	10040108	●	89.122.114	10075074	●	
100	4	M8x25 – 12.9	89.122.154	10003637	●	89.122.153	10075116	●	89.122.152	10075100	●	
117	4	M8x25 – 12.9	89.122.154	10003637	●	89.122.153	10075116	●	89.122.152	10075100	●	

Usage: For clamping tools with smooth cylindrical shanks in accordance with DIN 6535 Form HA up to \varnothing 32 mm as well as with recesses in accordance with DIN 1835 Form B, E and DIN 6535 Form HB, HE directly and without intermediate sleeves in the clamping diameter. The clamping diameter is designed for a shank tolerance of h6.

Supply includes: Complete with length adjustment screw, clamping screw, cylinder head screws (for fastening the chuck) and alignment screws (thrust pad and threaded pin).

Design: Longest tool lives and highest manufacturing quality on usage of smooth cylindrical shanks in accordance with DIN 1835 Form A and DIN 6535 Form HA. With a projection length of $2.5 \times D$ (max. 50 mm) radial run-out accuracy 0.003 mm. Due to threaded pins (for alignment) in the machine spindle and in the HSK or ISO adapter, exactly adjustable for radial run-out. Due to thrust pad and threaded pin in the hydraulic chuck, exactly adjustable for axial run-out. On usage of cylindrical shanks with angled clamping surface (Form E and Form HE) the accuracy may be affected.

Note: Chuck with axial tool length adjustment. Coolant supply via central through-bore. Intermediate sleeves see section "Accessories, spare parts and measuring equipment". (The accuracy may be affected on the usage of the intermediate sleeve.)

Balancing quality: G 6.3 at 12000 min⁻¹

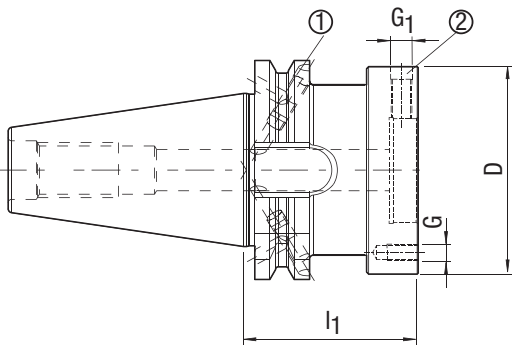
Dimensions in mm.

Spare parts and accessories at the end of this chapter.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Modular Short Taper Adapter ISO 7388-1, Form AD/AF

(prev. DIN 69871-AD/B)



Nominal size SK	Dimensions						Order designation	Order No.	Stock
	D	l ₁	G	G ₁	Form	Weight kg			
30*	60	50	M5	M8x1	AD	0.8	15.150.30.AD.60.Z	30584676	○
30*	70	50	M6	M8x1	AD	0.9	15.150.30.AD.70.Z	30584681	○
40	60	50	M5	M8x1	AD/B	1.3	15.150.40.60.Z	30584684	●
40	70	50	M6	M8x1	AD/B	1.4	15.150.40.70.Z	30584685	●
40	80	55	M6	M8x1	AD/B	1.7	15.150.40.80.Z	30584686	●
40	100	60	M8	M10x1	AD/B	2.2	15.150.40.100.Z	30584689	●
45	60	50	M5	M8x1	AD/B	2.8	15.150.45.60.Z	30584690	○
45	70	50	M6	M8x1	AD/B	2.9	15.150.45.70.Z	30584692	○
45	80	55	M6	M8x1	AD/B	3.1	15.150.45.80.Z	30584694	○
45	100	60	M8	M10x1	AD/B	3.3	15.150.45.100.Z	30584697	○
45	117	60	M8	M10x1	AD/B	3.5	15.150.45.117.Z	30584698	○
50	60	50	M5	M8x1	AD/B	3.2	15.150.50.60.Z	30584700	●
50	70	50	M6	M8x1	AD/B	3.4	15.150.50.70.Z	30584701	●
50	80	50	M6	M8x1	AD/B	3.6	15.150.50.80.Z	30584720	●
50	100	60	M8	M10x1	AD/B	4.4	15.150.50.100.Z	30584721	●
50	117	60	M8	M10x1	AD/B	4.5	15.150.50.117.Z	30584723	●
50	140	60	M10	M10x1	AD/B	4.7	15.150.50.140.Z	30584724	●

* Short taper size SK 30 is not available in the combination design AD/AF!

Spare parts: Grub screws as per ISO 4026

Nominal size SK	Qty. required	① Cylinder head screw as per ISO 4026			
		Size	Order desig.	Order No.	Stock
40/45/50	2	M5x5	89.122.688	10036757	●

Spare parts: Grub screws

Module diameter D	Qty. required	② Grub screw		
		Order desig.	Order No.	Stock
60-80	4	89.122.685	10075355	●
100-140	4	89.122.684	10075099	●

Usage: For use in the machine spindle for mounting KS flange adapters, shrink chucks, hydraulic chucks, chucks for cylindrical shanks or tools with a modular shank in accordance with MAPAL works standard.

Supply includes: Complete with threaded pins for aligning the radial run-out, does not include pull stud.

Design: Due to threaded pins the radial run-out of a connection or tool fitted can be adjusted exactly in relation to the steep taper.

Balancing quality: G 6.3 at 3000 min⁻¹

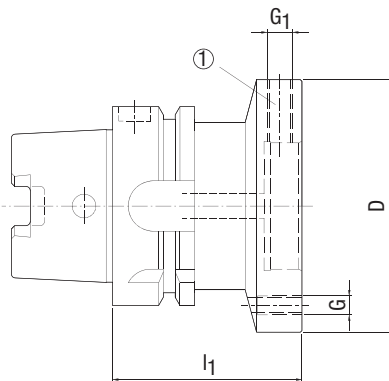
Dimensions in mm.

Basic form AD. Please indicate form AF (prev. B) in your order.

Spare parts and accessories at the end of this chapter. Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Modular Short Taper Adapter HSK-A as per DIN 69871



Nominal size HSK-A	Dimensions					Order designation	Order No.	Stock
	D	l ₁	G	G ₁	Weight kg			
40	60	60	M5	M8x1	0.7	16.150.40.60.Z	30615827	●
50	60	60	M5	M8x1	0.9	16.150.50.60.Z	30584456	●
50	70	60	M6	M8x1	1	16.150.50.70.Z	30584465	●
50	80	60	M6	M8x1	1.1	16.150.50.80.Z	30584469	●
63	60	60	M5	M8x1	1.3	16.150.63.60.Z	30584473	●
63	70	60	M6	M8x1	1.4	16.150.63.70.Z	30584477	●
63	80	60	M6	M8x1	1.5	16.150.63.80.Z	30584478	●
63	100	65	M8	M10x1	2.1	16.150.63.100.Z	30584481	●
63	117	65	M8	M10x1	2.5	16.150.63.117.Z	30584482	●
80	60	50	M5	M8x1	1.6	16.150.80.60.Z	30584487	●
80	70	60	M6	M8x1	2	16.150.80.70.Z	30584489	●
80	80	60	M6	M8x1	2.1	16.150.80.80.Z	30584490	●
80	100	65	M8	M10x1	2.6	16.150.80.100.Z	30584491	●
80	117	65	M8	M10x1	3.1	16.150.80.117.Z	30584492	●
80	140	75	M10	M10x1	4.2	16.150.80.140.Z	30584493	●
100	60	55	M5	M8x1	2.8	16.150.100.60.Z	30584495	●
100	70	55	M6	M8x1	2.8	16.150.100.70.Z	30584497	●
100	80	55	M6	M8x1	3	16.150.100.80.Z	30584498	●
100	100	65	M8	M10x1	3.7	16.150.100.100.Z	30584499	●
100	117	65	M8	M10x1	4	16.150.100.117.Z	30584500	●
100	140	75	M10	M10x1	5.2	16.150.100.140.Z	30584502	●

Spare parts: Grub Screw for HSK-A adapter as per DIN 69871

Module diameter D	Qty. required	① Grub Screw				
		Weight kg	Size	Order designation	Order No.	Stock
60-80	4	0.001	M8x1x16	89.122.685	10075355	●
100-140	4	0.001	M10x1x20	89.122.684	10075099	●

Supply includes: Complete with threaded pins for aligning the radial run-out, does not include coolant tube.

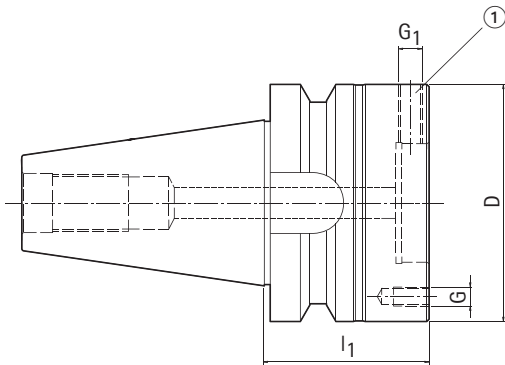
Balancing quality: G 2.5 bei 16000 min⁻¹

Dimensions in mm.

Spare parts and accessories at the end of this chapter.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Modular Short Taper Adapter MAS BT as per ISO 7388-2 (JIS B6339), Form JD



Nominal size BT	Dimensions					Order designation	Order No.	Stock
	D	l ₁	G	G ₁	Weight kg			
30	60	40	M5	M8x1	0.7	22.150.30.60.Z	30584725	●
30	70	40	M6	M8x1	0.8	22.150.30.70.Z	30584726	●
40	60	55	M5	M8x1	1.5	22.150.40.60.Z	30584734	●
40	70	55	M6	M8x1	1.6	22.150.40.70.Z	30584736	●
40	80	65	M6	M8x1	2	22.150.40.80.Z	30584751	●
40	100	70	M8	M10x1	2.6	22.150.40.100.Z	30584752	●
45	60	65	M5	M8x1	3	22.150.45.60.Z	30584755	○
45	70	65	M6	M8x1	3.1	22.150.45.70.Z	30584756	○
45	80	65	M6	M8x1	3.3	22.150.45.80.Z	30584757	○
45	100	75	M8	M10x1	3.5	22.150.45.100.Z	30584760	○
45	117	75	M8	M10x1	4.4	22.150.45.117.Z	30584762	○
50	60	70	M5	M8x1	4.8	22.150.50.60.Z	30584764	●
50	70	70	M6	M8x1	4.9	22.150.50.70.Z	30584765	●
50	80	70	M6	M8x1	5.1	22.150.50.80.Z	30584767	●
50	100	70	M8	M10x1	5.3	22.150.50.100.Z	30584769	●
50	117	80	M8	M10x1	6.3	22.150.50.117.Z	30584770	●
50	140	80	M10	M10x1	6.6	22.150.50.140.Z	30584772	●

Spare parts: Grub Screw for Modular Short Taper Adapter as per ISO 7388-2 (JIS B6339), Form JD

Module diameter D	Qty. required	① Grub Screw				
		Weight kg	Size	Order designation	Order No.	Stock
60-80	4	0.001	M8x1x16	89.122.685	10075355	●
100-140	4	0.001	M10x1x20	89.122.684	10075099	●

Usage: For use in the machine spindle for mounting KS flange adapters, shrink chucks, hydraulic chucks, chucks for cylindrical shanks or tools with a modular shank in accordance with MAPAL works standard.

Supply includes: Complete with threaded pins for aligning the radial run-out, does not include pull stud.

Design: Due to threaded pins the radial run-out of a connection or tool fitted can be adjusted exactly in relation to the steep taper.

Balancing quality: G 6.3 bei 3000 min⁻¹

Dimensions in mm.

Spare parts and accessories at the end of this chapter.

BBT version on request.

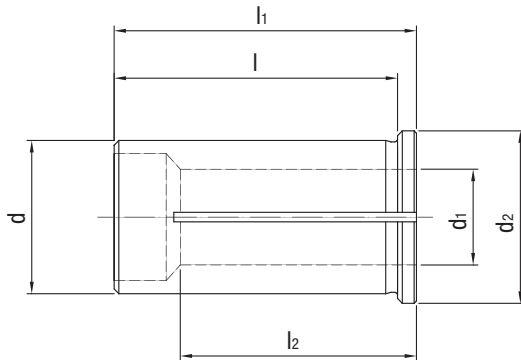
Custom designs available on request.

● These products are available in stock.

○ Standard tool not on stock (delivery time on request).

Reducing Sleeve, coolant sealed

With slits, for flexible diameter application

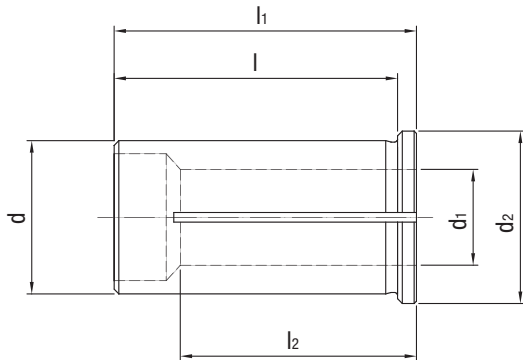


Dimensions							Order designation	Order No.	Stock
d	d ₁	d ₂	l	l ₁	l ₂	Weight kg			
12	1	16	40	44	20	0.04	40.456.12.01.Z	30503691	●
12	1.5	16	40	44	20	0.04	40.456.12.015.Z	30503718	●
12	2	16	40	44	20	0.04	40.456.12.02.Z	30503725	●
12	2.5	16	40	44	20	0.04	40.456.12.025.Z	30503728	●
12	3	16	40	44	29	0.03	40.456.12.03.Z	30251059	●
12	4	16	40	44	29	0.03	40.456.12.04.Z	30251060	●
12	5	16	40	44	29	0.03	40.456.12.05.Z	30251061	●
12	6	16	40	44	36	0.03	40.456.12.06.Z	30251062	●
12	7	16	40	44	37	0.03	40.456.12.07.Z	30251063	●
12	8	16	40	44	37	0.02	40.456.12.08.Z	30251064	●
12	9	16	40	44	37	0.02	40.456.12.09.Z	30251065	●
12	10	16	40	44	40	0.01	40.456.12.10.Z	30251066	●
20	3	25	50	54	28	0.1	40.456.20.03.Z	30251067	●
20	4	25	50	54	28	0.1	40.456.20.04.Z	30251068	●
20	5	25	50	54	28	0.1	40.456.20.05.Z	30251069	●
20	6	25	50	54	36	0.1	40.456.20.06.Z	30251070	●
20	7	25	50	54	38	0.1	40.456.20.07.Z	30251071	●
20	8	25	50	54	37	0.09	40.456.20.08.Z	30251072	●
20	9	25	50	54	38	0.09	40.456.20.09.Z	30251073	●
20	10	25	50	54	40	0.09	40.456.20.10.Z	30251074	●
20	11	25	50	54	40	0.08	40.456.20.11.Z	30251075	●
20	12	25	50	54	45	0.08	40.456.20.12.Z	30251076	●
20	13	25	50	54	45	0.07	40.456.20.13.Z	30251077	●
20	14	25	50	54	45	0.07	40.456.20.14.Z	30251078	●
20	15	25	50	54	45	0.06	40.456.20.15.Z	30251079	●
20	16	25	50	54	48	0.05	40.456.20.16.Z	30251080	●

Caution: Never clamp without tool - the reducing sleeve will be damaged!

Reducing Sleeve, coolant sealed

With slits, for flexible diameter application



Dimensions							Order designation	Order No.	Stock
d	d ₁	d ₂	l	l ₁	l ₂	Weight kg			
25	3	30	56	60	29	0.18	40.456.25.03.Z	30251081	○
25	4	30	56	60	29	0.18	40.456.25.04.Z	30251082	○
25	5	30	56	60	29	0.18	40.456.25.05.Z	30251083	○
25	6	30	56	60	37	0.18	40.456.25.06.Z	30251084	○
25	7	30	56	60	37	0.18	40.456.25.07.Z	30251085	○
25	8	30	56	60	37	0.17	40.456.25.08.Z	30251086	○
25	9	30	56	60	38	0.17	40.456.25.09.Z	30251087	○
25	10	30	56	60	40	0.16	40.456.25.10.Z	30251088	○
25	12	30	56	60	46	0.15	40.456.25.12.Z	30251089	○
25	14	30	56	60	47	0.14	40.456.25.14.Z	30251090	○
25	16	30	56	60	48	0.13	40.456.25.16.Z	30251091	○
25	18	30	56	60	48	0.11	40.456.25.18.Z	30251092	○
25	20	30	56	60	50	0.09	40.456.25.20.Z	30251093	○
32	6	36	60	64	36	0.31	40.456.32.06.Z	30251094	●
32	7	36	60	64	37	0.31	40.456.32.07.Z	30251095	○
32	8	36	60	64	36	0.3	40.456.32.08.Z	30251096	●
32	9	36	60	64	37	0.3	40.456.32.09.Z	30251097	○
32	10	36	60	64	40	0.29	40.456.32.10.Z	30251098	●
32	11	36	60	64	40	0.28	40.456.32.11.Z	30251099	○
32	12	36	60	64	45	0.28	40.456.32.12.Z	30251100	●
32	13	36	60	64	45	0.28	40.456.32.13.Z	30251101	○
32	14	36	60	64	46	0.27	40.456.32.14.Z	30251102	●
32	15	36	60	64	46	0.26	40.456.32.15.Z	30251103	○
32	16	36	60	64	48	0.26	40.456.32.16.Z	30251104	●
32	17	36	60	64	48	0.25	40.456.32.17.Z	30251105	○
32	18	36	60	64	49	0.24	40.456.32.18.Z	30251106	●
32	19	36	60	64	49	0.23	40.456.32.19.Z	30251107	○
32	20	36	60	64	50	0.22	40.456.32.20.Z	30251108	●
32	22	36	60	64	50	0.19	40.456.32.22.Z	30251109	○
32	25	36	60	64	56	0.15	40.456.32.25.Z	30251110	●

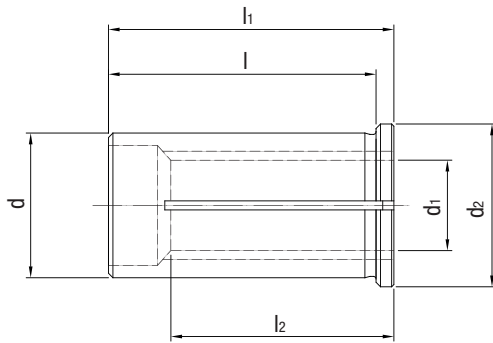
Caution: Never clamp without tool - the reducing sleeve will be damaged!

Dimensions in mm.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Reducing Sleeve, KKB

With coolant bores, for flexible diameter application

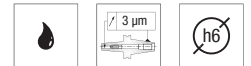
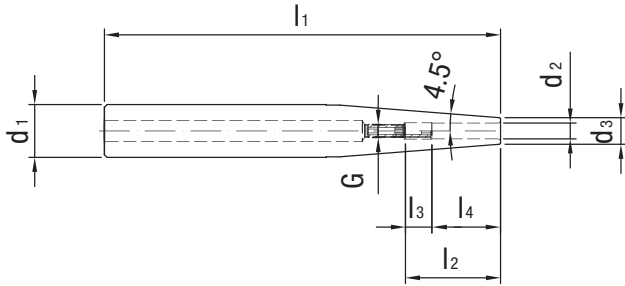


Dimensions							Order designation	Order No.	Stock
d	d ₁	d ₂	l	l ₁	l ₂	Weight kg			
12	3	16	40	44	29	0.03	40.456.12.03.KKB	30557343	●
12	4	16	40	44	29	0.03	40.456.12.04.KKB	30557344	●
12	5	16	40	44	29	0.03	40.456.12.05.KKB	30557345	●
12	6	16	40	44	36	0.03	40.456.12.06.KKB	30557346	●
12	8	16	40	44	37	0.02	40.456.12.08.KKB	30557347	●
20	3	25	50	54	28	0.1	40.456.20.03.KKB	30557348	●
20	4	25	50	54	28	0.1	40.456.20.04.KKB	30557350	●
20	5	25	50	54	28	0.1	40.456.20.05.KKB	30557351	●
20	6	25	50	54	36	0.1	40.456.20.06.KKB	30557352	●
20	8	25	50	54	37	0.09	40.456.20.08.KKB	30557353	●
20	10	25	50	54	40	0.09	40.456.20.10.KKB	30557354	●
20	12	25	50	54	45	0.08	40.456.20.12.KKB	30557355	●
20	14	25	50	54	45	0.07	40.456.20.14.KKB	30557356	●
20	16	25	50	54	48	0.05	40.456.20.16.KKB	30557358	●
32	6	36	60	64	36	0.31	40.456.32.06.KKB	30557359	●
32	8	36	60	64	36	0.3	40.456.32.08.KKB	30557360	●
32	10	36	60	64	40	0.29	40.456.32.10.KKB	30557361	●
32	12	36	60	64	45	0.28	40.456.32.12.KKB	30557362	●
32	14	36	60	64	46	0.27	40.456.32.14.KKB	30557364	●
32	16	36	60	64	48	0.26	40.456.32.16.KKB	30557365	●
32	18	36	60	64	49	0.24	40.456.32.18.KKB	30557366	●
32	20	36	60	64	50	0.22	40.456.32.20.KKB	30557367	●
32	25	36	60	64	56	0.15	40.456.32.25.KKB	30557369	●

Caution: Never clamp without tool - the reducing sleeve will be damaged!

Shrink Extension

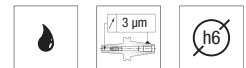
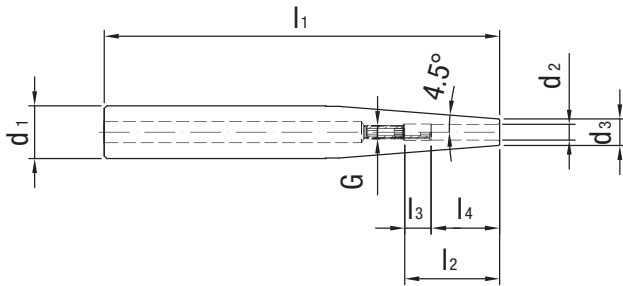
As flexible adaptation



Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
12	3	8	150		12			0.1		40.357.12.03.Z	30344729	●
12	4	8	150		16			0.1		40.357.12.04.Z	30344730	●
12	5	10	150		20			0.1		40.357.12.05.Z	30344731	●
12	6	10	150	36	10	26	M5	2.5	0.1	40.357.12.06.Z	30344732	●
16	3	10	150		12			0.2		40.357.16.03.Z	30344733	●
16	4	10	150		16			0.2		40.357.16.04.Z	30344734	●
16	5	10	150		20			0.2		40.357.16.05.Z	30344735	●
16	6	10	150	36	10	26	M5	2.5	0.2	40.357.16.06.Z	30344736	●
16	8	12	150	36	10	26	M6	3	0.2	40.357.16.08.Z	30344737	●
20	3	10	150		12			0.3		40.357.20.03.Z	30344738	●
20	4	10	150		16			0.3		40.357.20.04.Z	30344739	●
20	5	10	150		20			0.3		40.357.20.05.Z	30344740	●
20	6	10	150	36	10	26	M5	2.5	0.3	40.357.20.06.Z	30344741	●
20	8	12	150	36	10	26	M6	3	0.3	40.357.20.08.Z	30344742	●
20	10	14	150	42	10	32	M8x1	3	0.3	40.357.20.10.Z	30344743	●
20	12	16	150	47	10	37	M10x1	5	0.3	40.357.20.12.Z	30344744	●

Shrink Extension

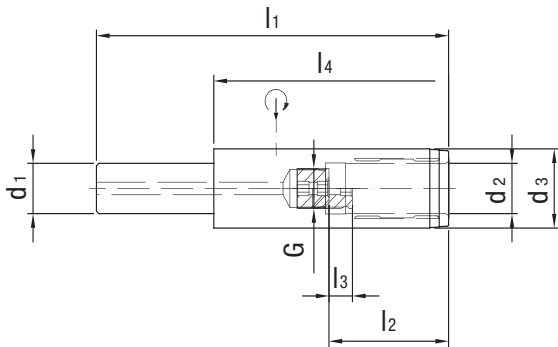
As flexible adaptation



Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
25	3	10	150		12			0.5		40.357.25.03.Z	30344745	●
25	4	10	150		16			0.5		40.357.25.04.Z	30344746	●
25	5	15	150		20			0.5		40.357.25.05.Z	30344747	●
25	6	20	150	36	10	26	M5	2.5	0.5	40.357.25.06.Z	30344748	●
25	8	20	150	36	10	26	M6	3	0.5	40.357.25.08.Z	30344749	●
25	10	20	150	42	10	32	M8x1	3	0.5	40.357.25.10.Z	30344750	●
25	12	20	150	47	10	37	M10x1	5	0.5	40.357.25.12.Z	30344751	●
25	14	20	150	47	10	37	M10x1	5	0.4	40.357.25.14.Z	30344752	●
25	16	22	150	50	10	40	M10x1	5	0.4	40.357.25.16.Z	30344753	●
32	6	20	150	36	10	26	M5	2.5	0.8	40.357.32.06.Z	30344754	●
32	8	20	150	36	10	26	M6	3	0.8	40.357.32.08.Z	30344755	●
32	10	24	150	42	10	32	M8x1	3	0.8	40.357.32.10.Z	30344756	●
32	12	24	150	47	10	37	M10x1	5	0.8	40.357.32.12.Z	30344757	●
32	14	27	150	47	10	37	M10x1	5	0.8	40.357.32.14.Z	30344758	●
32	16	27	150	50	10	40	M10x1	5	0.8	40.357.32.16.Z	30344759	●
32	18	27	150	50	10	40	M10x1	5	0.7	40.357.32.18.Z	30337832	●
32	20	27	150	52	10	42	M10x1	5	0.7	40.357.32.20.Z	30337833	●

Hydraulic Expansion Extension

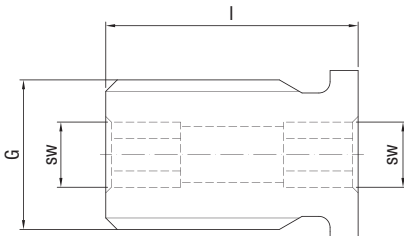
As flexible adaptation



Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
20	12	25	150	46	10	100	M10x1	5	0.5	40.557.20.12.Z	30479021	●
20	20	31.5	150	51	10	100	M16x1	5	0.6	40.557.20.20.Z	30479022	●
32	20	31.5	150	51	10	90	M16x1	5	0.7	40.557.32.20.Z	30479024	●
32	20	31.5	200	51	10	90	M16x1	5	0.8	40.557.32.20.Z/200	30479025	●

Stop Screw direct clamping

For axial length adjustment



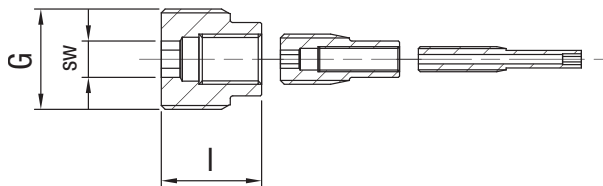
G	sw	l	Weight kg	Order designation	Order No.	Stock
M5	2.5	12.5	0.001	89.122.88	30252539	●
M6	3	12.5	0.002	89.122.89	30252540	●
M8x1	3	13.5	0.004	89.122.23	30252541	●
M10x1	5	13.5	0.006	89.122.90	30252542	●
M12x1	5	13.5	0.011	89.122.24	30252543	●
M16x1	5	13.5	0.017	89.122.19	30252544	●
M16x1	8	13.5	0.021	89.122.91	30252547	●

Dimensions in mm.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

AAS Stop Screw

With the use of WTE Reducing Sleeves for axial length adjustment



AAS 12 for Art. Nr. 40.456.12.xx

Dimensions				Order designation	Order No.	Stock
G	sw	l	Weight kg			
M10x1	2.5	16	0.002	89.122.103	30308896	●
M4x0.5	1.5	26	0.001	89.122.101	30308901	●

AAS 20 for Art. Nr. 40.456.20.xx

Dimensions				Order designation	Order No.	Stock
G	sw	l	Weight kg			
M16x1	5	16	0.002	89.122.99	30308897	●
M8x1	2.5	19	0.002	89.122.100	30308899	●
M4x0.5	1.5	26	0.001	89.122.101	30308901	●

AAS 25 for Art. Nr. 40.456.25.xx

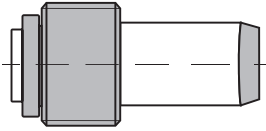
Dimensions				Order designation	Order No.	Stock
G	sw	l	Weight kg			
M16x1	5	20	0.002	89.122.104	30308904	●
M8x1	2.5	19	0.002	89.122.100	30308899	●
M4x0.5	1.5	26	0.001	89.122.101	30308901	●

AAS 32 for Art. Nr. 40.456.32.xx

Dimensions				Order designation	Order No.	Stock
G	sw	l	Weight kg			
M16x1	5	20	0.002	89.122.104	30308904	●
M8x1	2.5	19	0.002	89.122.100	30308899	●

Coolant Transfer Pipe

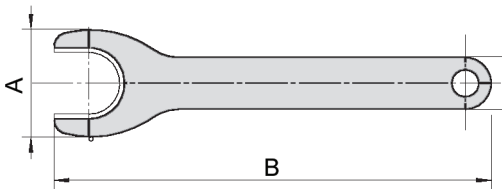
For DIN 69893-A/E



HSK	Weight kg	Order designation	Order No.	Stock
32	0.01	89.220.72	30326003	○
40	0.01	89.220.73	30326004	○
50	0.02	89.220.74	30326005	●
63	0.02	89.220.75	30326006	●
80	0.02	89.220.76	30326007	○
100	0.03	89.220.77	30326008	○

Extraction Key

For easy extraction of the Reducing Sleeves from the WTE Hydraulic Chuck



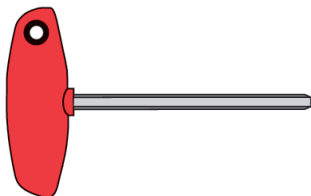
For	A	B	Order designation	Order No.	Stock
HS 12	24.6	100	89.206.26	30251198	●
HS 20	38	160	89.206.27	30251199	●
HS 25	51	180	89.206.28	30251200	●
HS 32	63	200	89.206.29	30251201	●

Dimensions in mm.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Hexagonal T-key

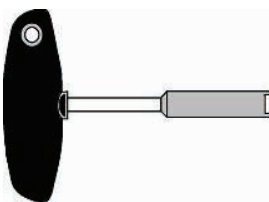
For axial length adjustment



sw	l	Weight kg	Order designation	Order No.	Stock
2.5	150	0.02	89.206.01	10034540	●
3	150	0.02	89.206.02	10013347	●
5	150	0.06	89.206.03	10041807	●
8	150	0.1	89.206.04	10041808	●

Assembly Key

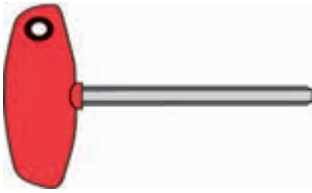
For coolant transfer pipe



sw	Weight kg	Order designation	Order No.	Stock
32	0.01	89.206.20	10074750	○
40	0.01	89.206.21	10074751	○
50	0.01	89.206.22	10074752	○
63	0.01	89.206.23	10040110	●
80	0.02	89.206.24	10074774	○
100	0.02	89.206.25	10074775	○

Hexagonal T-key

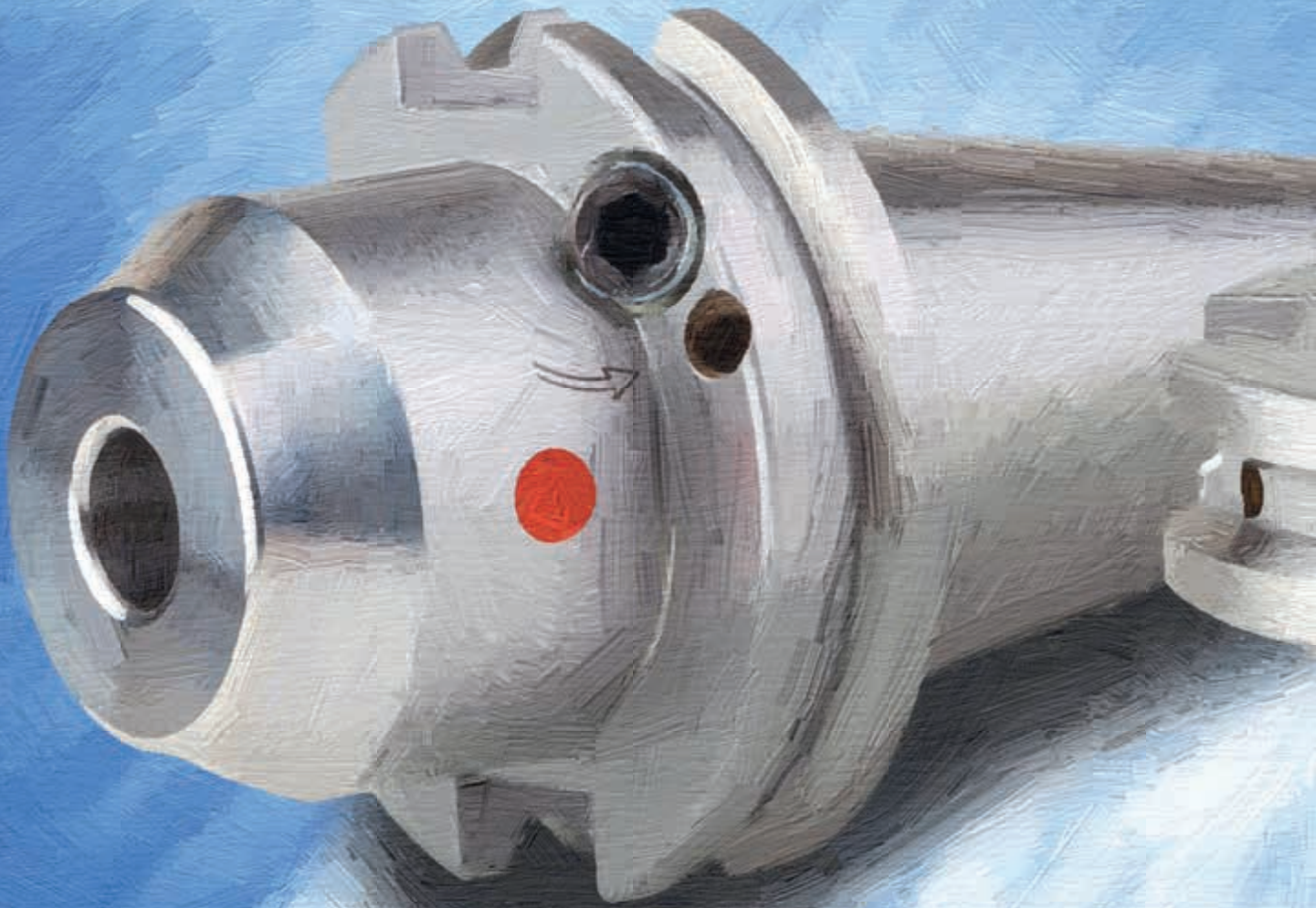
For pressure input



sw	l	Weight kg	Order designation	Order No.	Stock
4	100	0.03	89.206.07	10006235	●
5	100	0.06	89.206.15	10006236	●

Dimensions in mm.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).





HPH - High Performance Holder

- Very high holding forces
- Vibration damping effect
- High thermal stability
- All commercially available shanks can be clamped
- Quick setup times
- Very high transmissible torques
- Narrow design 3°

Shank form SK as per ISO 7388-1

SK 40	Page	70-72
SK 50	Page	73

Shank form HSK

HSK-A 63	Page	74-76
HSK-A 100	Page	77-78

Shank form BT as per ISO 7388-2

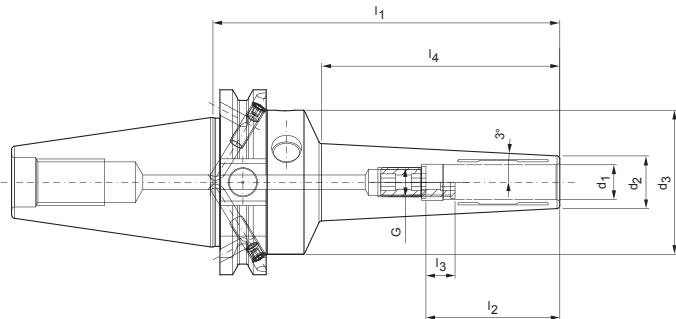
BT 40	Page	79-80
BT 50	Page	81

Spare parts & accessories

Spare parts & accessories	Page	82-92
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HPH - High Performance Holder HPH 3° MULTI ISO 7388-1, Form AD/AF

(prev. DIN 69871-AD/B), narrow design, 3°



Nominal size SK/ISO	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d_1	d_2	d_3	l_1	l_2	l_3	l_4						
40	6	12	49.5	120	37	10	79.9	M5	2.5	1.2	15.404.40.06.Z/120	30655468	○
40	8	14	49.5	120	37	10	79.9	M6	3	1.2	15.404.40.08.Z/120	30655469	○
40	10	16	49.5	120	41	10	80.9	M8x1	3	1.2	15.404.40.10.Z/120	30655470	○
40	12	18	49.5	120	46	10	81.9	M10x1	5	1.2	15.404.40.12.Z/120	30655471	○

Dimensions in mm.

Basic form AD. Please indicate form AF (prev. B) in your order.

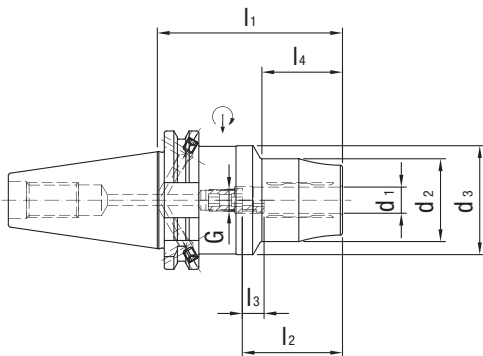
Spare parts and accessories at the end of this chapter.

● These products are available in stock.

○ Standard tool not on stock (delivery time on request).

HPH - High Performance Holder ISO 7388-1, Form AD/AF

(prev. DIN 69871-AD/B), short narrow design



Nominal size SK/ISO	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
40	6	32	50	75	37	10	26	M5x15	2.5	1.4	15.407.40.06.Z	30339747	●
40	8	34	50	75	37	10	27	M6x15	3	1.4	15.407.40.08.Z	30339749	●
40	10	36	50	80	41	10	32	M8x1x15.5	3	1.4	15.407.40.10.Z	30339750	●
40	12	38	50	85	46	10	37	M10x1x9.8	5	1.5	15.407.40.12.Z	30339751	●
40	14	40	50	85	46	10	37	M10x1x13	5	1.6	15.407.40.14.Z	30339752	●
40	16	42	50	90	49	10	42	M12x1x15	5	1.6	15.407.40.16.Z	30339753	●
40	18	44	50	90	49	10	42	M12x1x17	5	1.7	15.407.40.18.Z	30339754	●
40	20	48	50	95	51	10	45	M16x1x15.8	5	1.7	15.407.40.20.Z	30339755	●
40	25	57	50	110	57	10	60	M16x1x19.8	5	2.2	15.407.40.25.Z	30339756	●
40	32	63	50	120	61	10	65	M16x1x25.8	5	2.5	15.407.40.32.Z	30339758	●

Dimensions in mm.

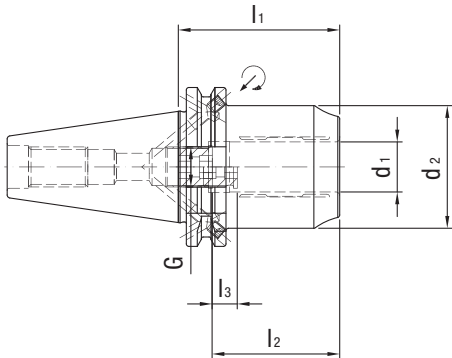
Basic form AD. Please indicate form AF (prev. B) in your order.

Spare parts and accessories at the end of this chapter. Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

HPH - High Performance Holder ISO 7388-1, Form AD/AF

(prev. DIN 69871-AD/B), short heavy duty design



Nominal size SK/ISO	Dimensions					G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	l ₁	l ₂	l ₃						
40	12	42	50	46	10	M8x1x13.5	3	1	15.408.40.12.Z	30494111	●
40	20	49	64.5	51	10	M16x1x13.5	8	1.4	15.408.40.20.Z	30372360	●

Dimensions in mm.

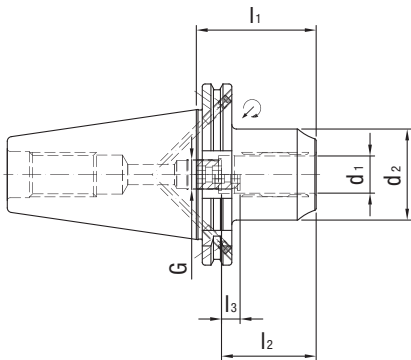
Basic form AD. Please indicate form AF (prev. B) in your order.

Spare parts and accessories at the end of this chapter.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

HPH - High Performance Holder ISO 7388-1, Form AD/AF

(prev. DIN 69871-AD/B), short heavy duty design



Nominal size SK/ISO	Dimensions					G	sw	Weight kg	Order designation	Order No.	Stock
	d_1	d_2	l_1	l_2	l_3						
50	12	42	50	46	10	M8x1x13.5	3	2.8	15.408.50.12.Z	30515413	●
50	20	49	64.5	51	10	M16x1x13.5	8	3.1	15.408.50.20.Z	30435618	●
50	32	72	81	61	10	M16x1x13.5	8	4.1	15.408.50.32.Z	30471202	●

HPH - High Performance Holder

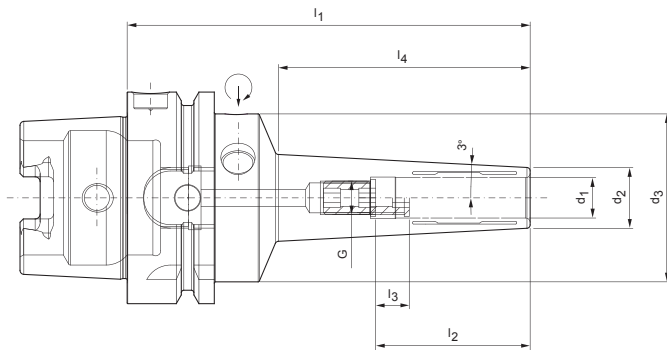
Dimensions in mm.
Basic form AD. Please indicate form AF (prev. B)
in your order.

Spare parts and accessories at the end of this chapter.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

HPH - High Performance Holder HPH 3° MULTI DIN 69893-A

Narrow design, 3°



Nominal size HSK-A	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d_1	d_2	d_3	l_1	l_2	l_3	l_4						
63	6	12	50	120	37	10	73	M5	2.5	0.9	16.404.63.06.Z/120	30655463	○
63	8	14	50	120	37	10	74	M6	3	0.9	16.404.63.08.Z/120	30655465	○
63	10	16	50	120	41	10	74	M8x1	3	1	16.404.63.10.Z/120	30655466	○
63	12	18	50	120	46	10	75	M10x1	5	1	16.404.63.12.Z/120	30655467	○

Dimensions in mm.

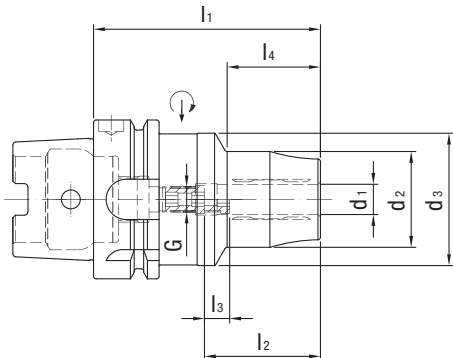
Spare parts and accessories at the end of this chapter.

● These products are available in stock.

○ Standard tool not on stock (delivery time on request).

HPH - High Performance Holder DIN 69893-A

Short narrow design



Nominal size HSK-A	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d_1	d_2	d_3	l_1	l_2	l_3	l_4						
63	6	32	50	80	37	10	26	M5x15	2.5	1.1	16.407.63.06.Z	30339759	●
63	8	34	50	80	37	10	27	M6x15	3	1.1	16.407.63.08.Z	30339760	●
63	10	36	50	85	41	10	32	M8x1x15.5	3	1.2	16.407.63.10.Z	30339761	●
63	12	38	52.5	90	46	10	37	M10x1x9.8	5	1.3	16.407.63.12.Z	30339762	●
63	14	40	52.5	90	46	10	37	M10x1x13	5	1.3	16.407.63.14.Z	30339763	●
63	16	42	52.5	95	49	10	42	M12x1x15	5	1.5	16.407.63.16.Z	30339764	●
63	18	44	52.5	95	49	10	42	M12x1x17	5	1.5	16.407.63.18.Z	30339765	●
63	20	48	52.5	100	51	10	45	M16x1x15.8	5	1.5	16.407.63.20.Z	30339766	●
63	25	57	53	120	57	10	62	M16x1x19.8	5	2.1	16.407.63.25.Z	30339767	●
63	32	63	53	125	61	10	62	M16x1x25.8	5	2.3	16.407.63.32.Z	30339768	●

HPH - High Performance Holder

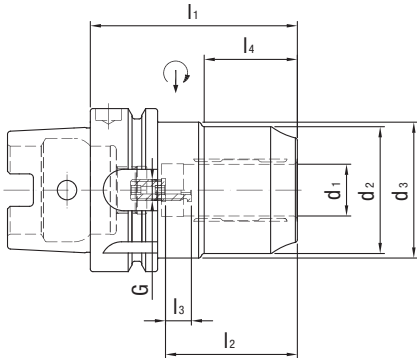
Dimensions in mm.
Spare parts and accessories at the end of this chapter.

MQL-capable design possible on request.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

HPH - High Performance Holder DIN 69893-A

Short heavy duty design



Nominal size HSK-A	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
63	12	42	52.5	80	46	10	34	M8x1	3	1.1	16.408.63.12.Z	30494132	●
63	20	49	52.5	80	51	10	36	M8x1	3	1.3	16.408.63.20.Z	30372363	●

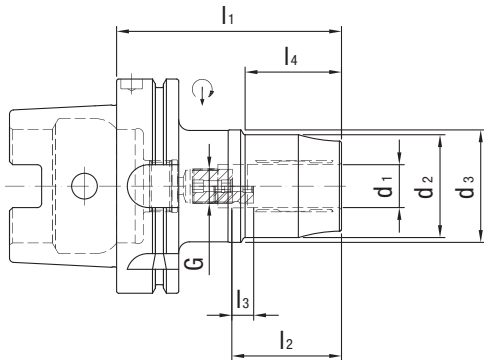
Dimensions in mm.
Spare parts and accessories at the end of this chapter.

MQL-capable design possible on request.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

HPH - High Performance Holder DIN 69893-A

Short narrow design



Nominal size HSK-A	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
100	6	32	50	85	37	10	26	M5x15	2.5	2.8	16.407.100.06.Z	30469210	●
100	8	34	50	85	37	10	27	M6x15	3	2.8	16.407.100.08.Z	30469216	●
100	10	36	50	90	41	10	32	M8x1x15.5	3	2.9	16.407.100.10.Z	30469218	●
100	12	38	52.5	95	46	10	37	M10x1x9.8	5	2.9	16.407.100.12.Z	30469220	●
100	14	40	52.5	95	46	10	37	M10x1x13	5	2.9	16.407.100.14.Z	30469221	●
100	16	42	52.5	100	49	10	42	M12x1x15	5	3	16.407.100.16.Z	30469222	●
100	18	44	52.5	100	49	10	42	M12x1x17	5	3	16.407.100.18.Z	30469229	●
100	20	48	52.5	105	51	10	45	M16x1x15.8	5	3	16.407.100.20.Z	30469233	●
100	25	57	63	115	57	10	60	M16x1x19.8	5	3.8	16.407.100.25.Z	30469234	●
100	32	63	75	120	61	10	60	M16x1x25.8	5	4	16.407.100.32.Z	30469236	●

Dimensions in mm.

Spare parts and accessories at the end of this chapter.

MQL-capable design possible on request.

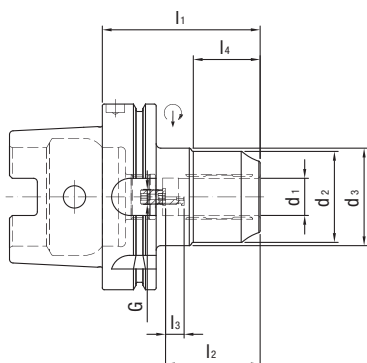
Custom designs available on request.

● These products are available in stock.

○ Standard tool not on stock (delivery time on request).

HPH - High Performance Holder DIN 69893-A

Short heavy duty design



Nominal size HSK-A	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d_1	d_2	d_3	l_1	l_2	l_3	l_4						
100	12	42	52.5	85	46	10	34	M8x1	3	2.1	16.408.100.12.Z	30515435	●
100	20	49	52.5	85	51	10	36	M8x1	3	2.6	16.408.100.20.Z	30436113	●
100	32	70	75	100	61	10	51	M8x1	3	3.8	16.408.100.32.Z	30471219	●

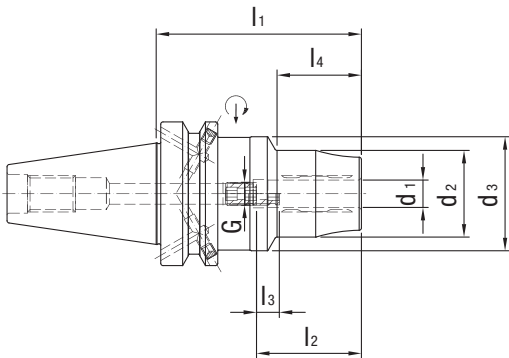
Dimensions in mm.
Spare parts and accessories at the end of this chapter.

MQL-capable design possible on request.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

HPH - High Performance Holder ISO 7388-2 (JIS 6339), Form J

Short narrow design, coolant supply as per ISO 7388-2, Form JD/JF



Nominal size BT	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d_1	d_2	d_3	l_1	l_2	l_3	l_4						
40	6	32	50	80	37	10	26	M5x12.5	2.5	1.6	22.407.40.06.Z	30466220	●
40	8	34	50	80	37	10	27	M6x12.5	3	1.6	22.407.40.08.Z	30466222	●
40	10	36	50	85	41	10	32	M8x1x13.5	3	1.6	22.407.40.10.Z	30466224	●
40	12	38	50	90	46	10	37	M10x1x13.5	5	1.7	22.407.40.12.Z	30466234	●
40	14	40	50	90	46	10	37	M10x1x13.5	5	1.8	22.407.40.14.Z	30466239	●
40	16	42	50	95	49	10	42	M12x1x13.5	5	1.8	22.407.40.16.Z	30466242	●
40	18	44	50	95	49	10	42	M12x1x13.5	5	1.9	22.407.40.18.Z	30466244	●
40	20	48	50	100	51	10	45	M16x1x13.5	8	1.9	22.407.40.20.Z	30466246	●
40	25	57	52	110	57	10	60	M16x1x13.5	8	2.4	22.407.40.25.Z	30466250	●
40	32	63	62	120	61	10	65	M16x1x13.5	8	2.7	22.407.40.32.Z	30466252	●

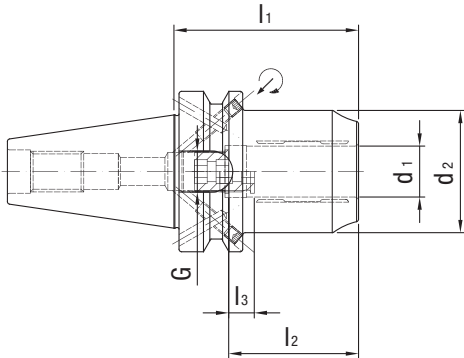
Dimensions in mm.
Basic form JD. Please indicate form JF (prev. B)
in your order.

Spare parts and accessories at the end of this chapter.
BBT version on request.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

HPH - High Performance Holder ISO 7388-2 (JIS 6339), Form J

Short heavy duty design, coolant supply as per ISO 7388-2, Form JD/JF



Nominal size BT	Dimensions					G	sw	Weight kg	Order designation	Order No.	Stock
	d_1	d_2	l_1	l_2	l_3						
40	12	42	58	46	10	M8x1x13.5	3	1.1	22.408.40.12.Z	30494128	●
40	20	49	72.5	51	10	M16x1x13.5	8	1.4	22.408.40.20.Z	30372364	●

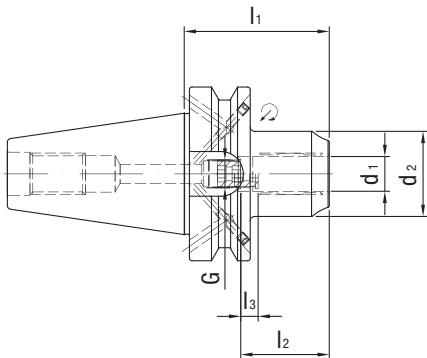
Dimensions in mm.
Basic form JD. Please indicate form JF (prev. B)
in your order.

Spare parts and accessories at the end of this chapter.
BBT version on request.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

HPH - High Performance Holder ISO 7388-2 (JIS 6339), Form J

Short heavy duty design, coolant supply as per ISO 7388-2, Form JD/JF



Nominal size BT	Dimensions					G	sw	Weight kg	Order designation	Order No.	Stock
	d_1	d_2	l_1	l_2	l_3						
50	12	42	69	46	10	M8x1x13.5	3	3.4	22.408.50.12.Z	30515438	●
50	20	49	83.5	51	10	M16x1x13.5	8	4	22.408.50.20.Z	30435871	●
50	32	72	90	61	10	M16x1x13.5	8	4.6	22.408.50.32.Z	30471206	●

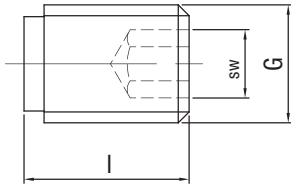
Dimensions in mm.
Basic form JD. Please indicate form JF (prev. B)
in your order.

Spare parts and accessories at the end of this chapter.
BBT version on request.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Pressure Screw HPH

For pressure input. High-strength pressure screws - for safe acceptance of high clamping forces
Coated pressure screws DLC - for optimum wear protection and long service life



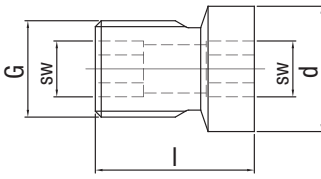
Order designation	Order No.	G	sw	l	Weight kg	Stock
89.122.288	10003470	M10	5	10	0.006	●
89.122.287	10070217	M10	5	14	0.009	●

Allocation of Pressure Screw HPH

Order designation	Order No.	G	sw	l	For High Performance Holder
89.122.288	10003470	M10	5	10	16.408.63.20.Z; 16.408.100.20.Z; 16.408.63.12.Z; 16.408.100.12.Z
89.122.287	10070217	M10	5	14	Others

Stop Screw HPH

For length adjustment



Stop Screw HPH for HSK-A63; HSK-A100; SK40

Order designation	Order No.	G	sw	For clamping diameter	d	l	Weight kg	Stock
89.122.119	30340240	M5	2.5	6	5.5	15	0.001	●
89.122.120	30340241	M6	3	8	7	15	0.002	●
89.122.121	30340242	M8x1	3	10	9	15.5	0.005	●
89.122.122	30340243	M10x1	5	12	9.8	15.5	0.006	●
89.122.123	30340244	M10x1	5	14	13	16.5	0.008	●
89.122.124	30340245	M12x1	5	16	15	18	0.015	●
89.122.125	30340246	M12x1	5	18	17	20	0.02	●
89.122.126	30340247	M16x1	5	20	15.8	18.5	0.03	●
89.122.127	30340249	M16x1	5	25	19.8	22	0.05	●
89.122.128	30340250	M16x1	5	32	25.8	25	0.07	●

Stop Screw HPH for BT40

Only "wet" design - thus short cantilever length

Order designation	Order No.	G	sw	For clamping diameter	d	l	Weight kg	Stock
89.122.88	30252539	M5	2.5	6	5.5	12.5	0.001	●
89.122.89	30252540	M6	3	8	7	12.5	0.002	●
89.122.23	30252541	M8x1	3	10	9	13.5	0.004	●
89.122.90	30252542	M10x1	5	12	9.8	13.5	0.006	●
89.122.90	30252542	M10x1	5	14	9.8	13.5	0.006	●
89.122.24	30252543	M12x1	5	16	13	13.5	0.011	●
89.122.24	30252543	M12x1	5	18	13	13.5	0.011	●
89.122.91	30252547	M16x1	8	20	15.8	13.5	0.021	●
89.122.91	30252547	M16x1	8	25	15.8	13.5	0.021	●
89.122.91	30252547	M16x1	8	32	15.8	13.5	0.021	●

Stop Screw HPH for short heavy duty design

Only "wet" design - thus short cantilever length

Order designation	Order No.	G	sw	For clamping diameter
89.122.23	30252541	M8x1	3	20 (HSK)
89.122.91	30252547	M16x1	8	20 (ISO/BT)

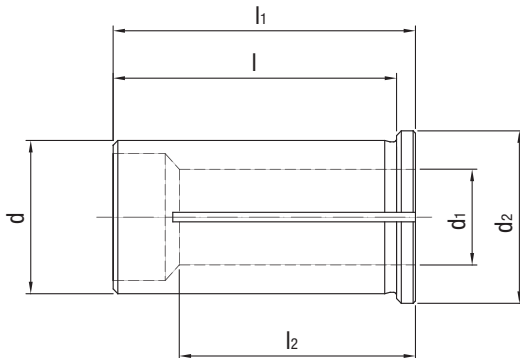
Dimensions in mm.

Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Reducing Sleeve, coolant sealed

With slits, for flexible diameter application

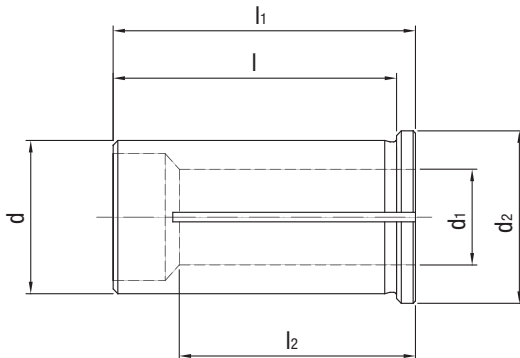


Dimensions							Order designation	Order No.	Stock
d	d ₁	d ₂	l	l ₁	l ₂	Weight kg			
12	1	16	40	44	20	0.04	40.456.12.01.Z	30503691	●
12	1.5	16	40	44	20	0.04	40.456.12.015.Z	30503718	●
12	2	16	40	44	20	0.04	40.456.12.02.Z	30503725	●
12	2.5	16	40	44	20	0.04	40.456.12.025.Z	30503728	●
12	3	16	40	44	29	0.03	40.456.12.03.Z	30251059	●
12	4	16	40	44	29	0.03	40.456.12.04.Z	30251060	●
12	5	16	40	44	29	0.03	40.456.12.05.Z	30251061	●
12	6	16	40	44	36	0.03	40.456.12.06.Z	30251062	●
12	7	16	40	44	37	0.03	40.456.12.07.Z	30251063	●
12	8	16	40	44	37	0.02	40.456.12.08.Z	30251064	●
12	9	16	40	44	37	0.02	40.456.12.09.Z	30251065	●
12	10	16	40	44	40	0.01	40.456.12.10.Z	30251066	●
20	3	25	50	54	28	0.1	40.456.20.03.Z	30251067	●
20	4	25	50	54	28	0.1	40.456.20.04.Z	30251068	●
20	5	25	50	54	28	0.1	40.456.20.05.Z	30251069	●
20	6	25	50	54	36	0.1	40.456.20.06.Z	30251070	●
20	7	25	50	54	38	0.1	40.456.20.07.Z	30251071	●
20	8	25	50	54	37	0.09	40.456.20.08.Z	30251072	●
20	9	25	50	54	38	0.09	40.456.20.09.Z	30251073	●
20	10	25	50	54	40	0.09	40.456.20.10.Z	30251074	●
20	11	25	50	54	40	0.08	40.456.20.11.Z	30251075	●
20	12	25	50	54	45	0.08	40.456.20.12.Z	30251076	●
20	13	25	50	54	45	0.07	40.456.20.13.Z	30251077	●
20	14	25	50	54	45	0.07	40.456.20.14.Z	30251078	●
20	15	25	50	54	45	0.06	40.456.20.15.Z	30251079	●
20	16	25	50	54	48	0.05	40.456.20.16.Z	30251080	●

Caution: Never clamp without tool - the reducing sleeve will be damaged!

Reducing Sleeve, coolant sealed

With slits, for flexible diameter application



Dimensions							Order designation	Order No.	Stock
d	d ₁	d ₂	l	l ₁	l ₂	Weight kg			
25	3	30	56	60	29	0.18	40.456.25.03.Z	30251081	○
25	4	30	56	60	29	0.18	40.456.25.04.Z	30251082	○
25	5	30	56	60	29	0.18	40.456.25.05.Z	30251083	○
25	6	30	56	60	37	0.18	40.456.25.06.Z	30251084	○
25	7	30	56	60	37	0.18	40.456.25.07.Z	30251085	○
25	8	30	56	60	37	0.17	40.456.25.08.Z	30251086	○
25	9	30	56	60	38	0.17	40.456.25.09.Z	30251087	○
25	10	30	56	60	40	0.16	40.456.25.10.Z	30251088	○
25	12	30	56	60	46	0.15	40.456.25.12.Z	30251089	○
25	14	30	56	60	47	0.14	40.456.25.14.Z	30251090	○
25	16	30	56	60	48	0.13	40.456.25.16.Z	30251091	○
25	18	30	56	60	48	0.11	40.456.25.18.Z	30251092	○
25	20	30	56	60	50	0.09	40.456.25.20.Z	30251093	○
32	6	36	60	64	36	0.31	40.456.32.06.Z	30251094	●
32	7	36	60	64	37	0.31	40.456.32.07.Z	30251095	○
32	8	36	60	64	36	0.3	40.456.32.08.Z	30251096	●
32	9	36	60	64	37	0.3	40.456.32.09.Z	30251097	○
32	10	36	60	64	40	0.29	40.456.32.10.Z	30251098	●
32	11	36	60	64	40	0.28	40.456.32.11.Z	30251099	○
32	12	36	60	64	45	0.28	40.456.32.12.Z	30251100	●
32	13	36	60	64	45	0.28	40.456.32.13.Z	30251101	○
32	14	36	60	64	46	0.27	40.456.32.14.Z	30251102	●
32	15	36	60	64	46	0.26	40.456.32.15.Z	30251103	○
32	16	36	60	64	48	0.26	40.456.32.16.Z	30251104	●
32	17	36	60	64	48	0.25	40.456.32.17.Z	30251105	○
32	18	36	60	64	49	0.24	40.456.32.18.Z	30251106	●
32	19	36	60	64	49	0.23	40.456.32.19.Z	30251107	○
32	20	36	60	64	50	0.22	40.456.32.20.Z	30251108	●
32	22	36	60	64	50	0.19	40.456.32.22.Z	30251109	○
32	25	36	60	64	56	0.15	40.456.32.25.Z	30251110	●

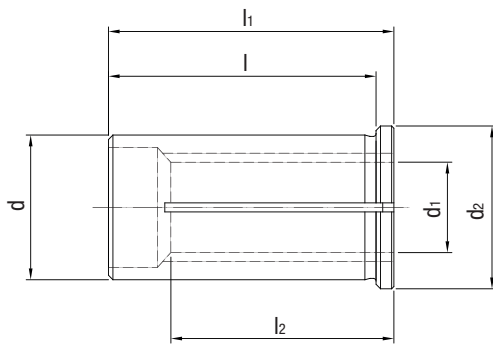
Caution: Never clamp without tool - the reducing sleeve will be damaged!

Dimensions in mm.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Reducing Sleeve, KKB

With coolant bores, for flexible diameter application

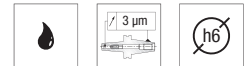
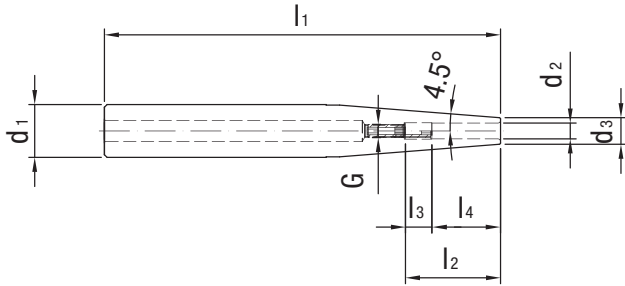


Dimensions							Order designation	Order No.	Stock
d	d ₁	d ₂	l	l ₁	l ₂	Weight kg			
12	3	16	40	44	29	0.03	40.456.12.03.KKB	30557343	●
12	4	16	40	44	29	0.03	40.456.12.04.KKB	30557344	●
12	5	16	40	44	29	0.03	40.456.12.05.KKB	30557345	●
12	6	16	40	44	36	0.03	40.456.12.06.KKB	30557346	●
12	8	16	40	44	37	0.02	40.456.12.08.KKB	30557347	●
20	3	25	50	54	28	0.1	40.456.20.03.KKB	30557348	●
20	4	25	50	54	28	0.1	40.456.20.04.KKB	30557350	●
20	5	25	50	54	28	0.1	40.456.20.05.KKB	30557351	●
20	6	25	50	54	36	0.1	40.456.20.06.KKB	30557352	●
20	8	25	50	54	37	0.09	40.456.20.08.KKB	30557353	●
20	10	25	50	54	40	0.09	40.456.20.10.KKB	30557354	●
20	12	25	50	54	45	0.08	40.456.20.12.KKB	30557355	●
20	14	25	50	54	45	0.07	40.456.20.14.KKB	30557356	●
20	16	25	50	54	48	0.05	40.456.20.16.KKB	30557358	●
32	6	36	60	64	36	0.31	40.456.32.06.KKB	30557359	●
32	8	36	60	64	36	0.3	40.456.32.08.KKB	30557360	●
32	10	36	60	64	40	0.29	40.456.32.10.KKB	30557361	●
32	12	36	60	64	45	0.28	40.456.32.12.KKB	30557362	●
32	14	36	60	64	46	0.27	40.456.32.14.KKB	30557364	●
32	16	36	60	64	48	0.26	40.456.32.16.KKB	30557365	●
32	18	36	60	64	49	0.24	40.456.32.18.KKB	30557366	●
32	20	36	60	64	50	0.22	40.456.32.20.KKB	30557367	●
32	25	36	60	64	56	0.15	40.456.32.25.KKB	30557369	●

Caution: Never clamp without tool - the reducing sleeve will be damaged!

Shrink Extension

As flexible adaptation



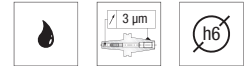
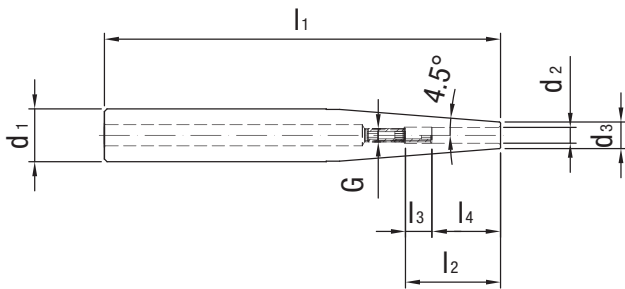
Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
12	3	8	150		12			0.1		40.357.12.03.Z	30344729	●
12	4	8	150		16			0.1		40.357.12.04.Z	30344730	●
12	5	10	150		20			0.1		40.357.12.05.Z	30344731	●
12	6	10	150	36	10	26	M5	2.5	0.1	40.357.12.06.Z	30344732	●
16	3	10	150		12			0.2		40.357.16.03.Z	30344733	●
16	4	10	150		16			0.2		40.357.16.04.Z	30344734	●
16	5	10	150		20			0.2		40.357.16.05.Z	30344735	●
16	6	10	150	36	10	26	M5	2.5	0.2	40.357.16.06.Z	30344736	●
16	8	12	150	36	10	26	M6	3	0.2	40.357.16.08.Z	30344737	●
20	3	10	150		12			0.3		40.357.20.03.Z	30344738	●
20	4	10	150		16			0.3		40.357.20.04.Z	30344739	●
20	5	10	150		20			0.3		40.357.20.05.Z	30344740	●
20	6	10	150	36	10	26	M5	2.5	0.3	40.357.20.06.Z	30344741	●
20	8	12	150	36	10	26	M6	3	0.3	40.357.20.08.Z	30344742	●
20	10	14	150	42	10	32	M8x1	3	0.3	40.357.20.10.Z	30344743	●
20	12	16	150	47	10	37	M10x1	5	0.3	40.357.20.12.Z	30344744	●

Dimensions in mm.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Shrink Extension

As flexible adaptation



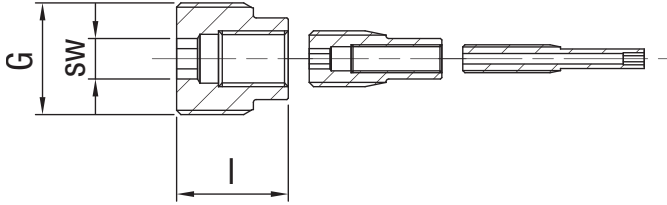
Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
25	3	10	150		12			0.5		40.357.25.03.Z	30344745	●
25	4	10	150		16			0.5		40.357.25.04.Z	30344746	●
25	5	15	150		20			0.5		40.357.25.05.Z	30344747	●
25	6	20	150	36	10	26	M5	2.5	0.5	40.357.25.06.Z	30344748	●
25	8	20	150	36	10	26	M6	3	0.5	40.357.25.08.Z	30344749	●
25	10	20	150	42	10	32	M8x1	3	0.5	40.357.25.10.Z	30344750	●
25	12	20	150	47	10	37	M10x1	5	0.5	40.357.25.12.Z	30344751	●
25	14	20	150	47	10	37	M10x1	5	0.4	40.357.25.14.Z	30344752	●
25	16	22	150	50	10	40	M10x1	5	0.4	40.357.25.16.Z	30344753	●
32	6	20	150	36	10	26	M5	2.5	0.8	40.357.32.06.Z	30344754	●
32	8	20	150	36	10	26	M6	3	0.8	40.357.32.08.Z	30344755	●
32	10	24	150	42	10	32	M8x1	3	0.8	40.357.32.10.Z	30344756	●
32	12	24	150	47	10	37	M10x1	5	0.8	40.357.32.12.Z	30344757	●
32	14	27	150	47	10	37	M10x1	5	0.8	40.357.32.14.Z	30344758	●
32	16	27	150	50	10	40	M10x1	5	0.8	40.357.32.16.Z	30344759	●
32	18	27	150	50	10	40	M10x1	5	0.7	40.357.32.18.Z	30337832	●
32	20	27	150	52	10	42	M10x1	5	0.7	40.357.32.20.Z	30337833	●

Dimensions in mm.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

AAS Stop Screw

With the use of WTE Reducing Sleeves for axial length adjustment



AAS 12 for Art. Nr. 40.456.12.xx

Dimensions				Order designation	Order No.	Stock
G	sw	l	Weight kg			
M10x1	2.5	16	0.002	89.122.103	30308896	●
M4x0.5	1.5	26	0.001	89.122.101	30308901	●

AAS 20 for Art. Nr. 40.456.20.xx

Dimensions				Order designation	Order No.	Stock
G	sw	l	Weight kg			
M16x1	5	16	0.002	89.122.99	30308897	●
M8x1	2.5	19	0.002	89.122.100	30308899	●
M4x0.5	1.5	26	0.001	89.122.101	30308901	●

AAS 25 for Art. Nr. 40.456.25.xx

Dimensions				Order designation	Order No.	Stock
G	sw	l	Weight kg			
M16x1	5	20	0.002	89.122.104	30308904	●
M8x1	2.5	19	0.002	89.122.100	30308899	●
M4x0.5	1.5	26	0.001	89.122.101	30308901	●

AAS 32 for Art. Nr. 40.456.32.xx

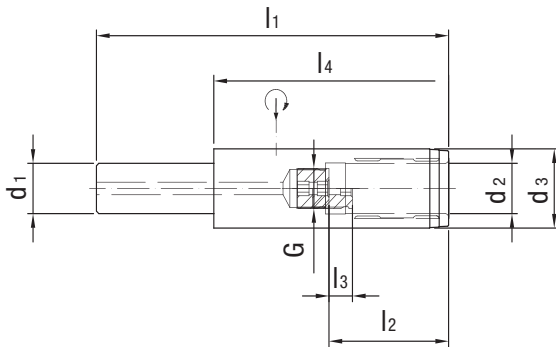
Dimensions				Order designation	Order No.	Stock
G	sw	l	Weight kg			
M16x1	5	20	0.002	89.122.104	30308904	●
M8x1	2.5	19	0.002	89.122.100	30308899	●

Dimensions in mm.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Hydraulic Expansion Extension

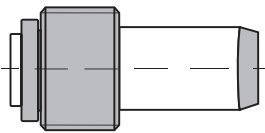
As flexible adaptation



Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
20	12	25	150	46	10	100	M10x1	5	0.5	40.557.20.12.Z	30479021	●
20	20	31.5	150	51	10	100	M16x1	5	0.6	40.557.20.20.Z	30479022	●
32	20	31.5	150	51	10	90	M16x1	5	0.7	40.557.32.20.Z	30479024	●
32	20	31.5	200	51	10	90	M16x1	5	0.8	40.557.32.20.Z/200	30479025	●

Coolant Transfer Pipe

For DIN 69893-A/E



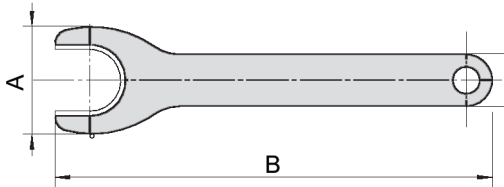
HSK	Weight kg	Order designation	Order No.	Stock
32	0.01	89.220.72	30326003	○
40	0.01	89.220.73	30326004	○
50	0.02	89.220.74	30326005	●
63	0.02	89.220.75	30326006	●
80	0.02	89.220.76	30326007	○
100	0.03	89.220.77	30326008	○

Dimensions in mm.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Extraction Key

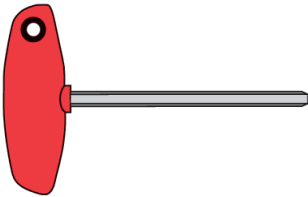
For easy extraction of the Reducing Sleeves from the WTE Hydraulic Chuck



Für	A	B	Order designation	Order No.	Stock
HS 12	24.6	100	89.206.26	30251198	●
HS 20	38	160	89.206.27	30251199	●
HS 25	51	180	89.206.28	30251200	●
HS 32	63	200	89.206.29	30251201	●

Hexagonal T-key

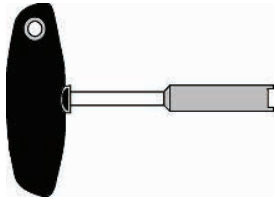
For axial length adjustment



sw	l	Weight kg	Order designation	Order No.	Stock
2.5	150	0.02	89.206.01	10034540	●
3	150	0.02	89.206.02	10013347	●
5	150	0.06	89.206.03	10041807	●
8	150	0.1	89.206.04	10041808	●

Assembly Key

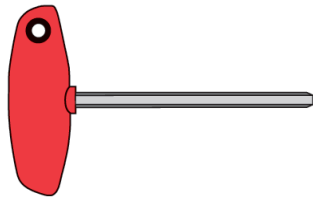
For coolant transfer pipe



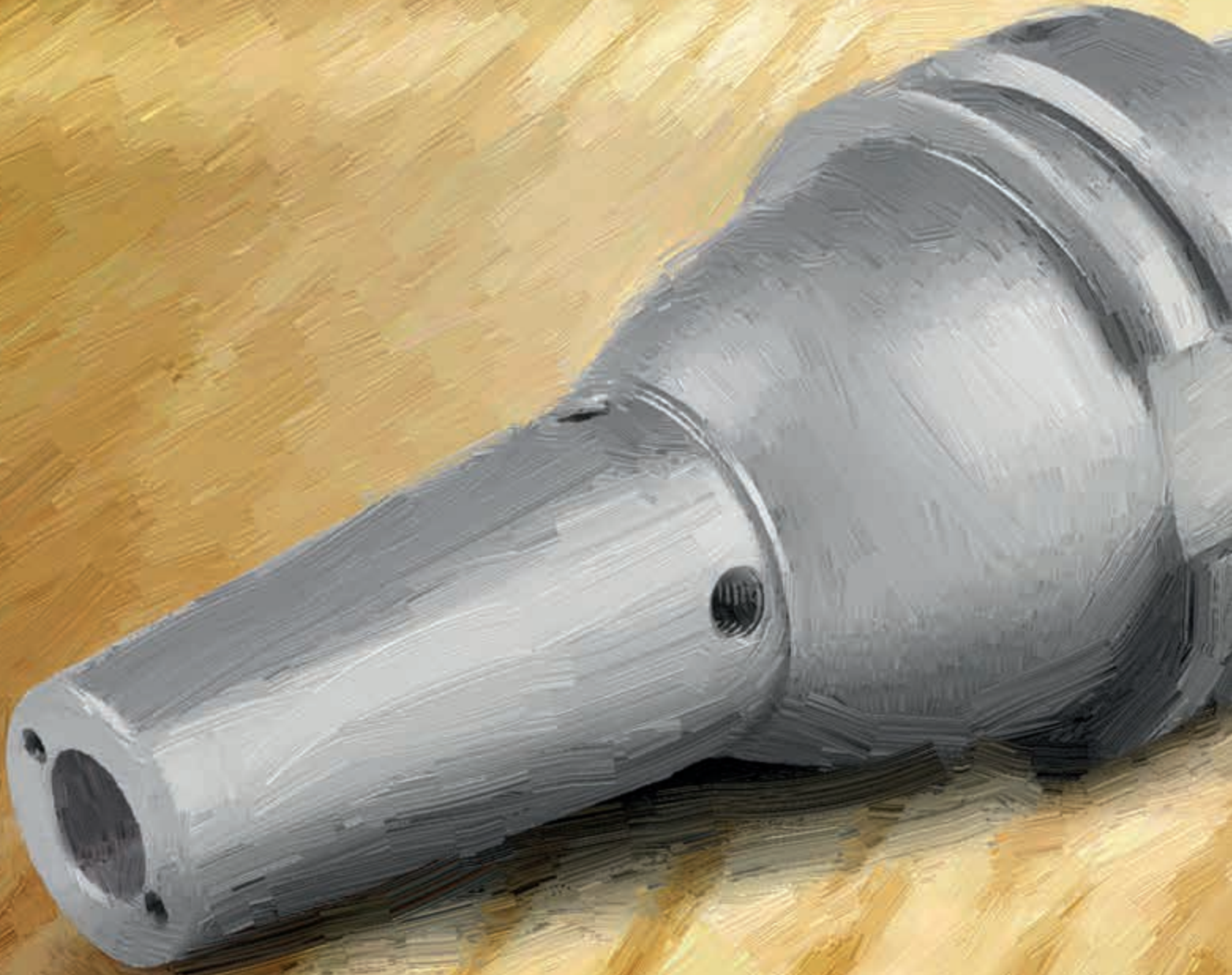
sw	Weight kg	Order designation	Order No.	Stock
32	0.01	89.206.20	10074750	○
40	0.01	89.206.21	10074751	○
50	0.01	89.206.22	10074752	○
63	0.01	89.206.23	10040110	●
80	0.02	89.206.24	10074774	○
100	0.02	89.206.25	10074775	○

Hexagonal T-key

For pressure input



sw	l	Weight kg	Order designation	Order No.	Stock
5	100	0.06	89.206.15	10006236	●



Shrink Chucks

- High run-out accuracies
- Vibration damping effect
- High transmissible torques
- High flexibility in contours
- Creep resistant workable steel
- Side coolant duct hole
- With resealable coolant duct holes
- Narrow design 3°

Shank form SK as per ISO 7388-1

SK 30	Page	96
SK 40	Page	97-103
SK 50	Page	104-107

Shank form HSK

HSK-A 32	Page	108
HSK-A 40	Page	109-110
HSK-A 50	Page	111-112
HSK-A 63	Page	113-121
HSK-A 80	Page	122-123
HSK-A 100	Page	124-129
HSK-C 32	Page	130
HSK-C 40	Page	131-132
HSK-C 50	Page	133-134
HSK-C 63	Page	135-136
HSK-E 32	Page	137
HSK-E 40	Page	138-140
HSK-E 50	Page	141-143
HSK-E 63	Page	144-147
HSK-F 40	Page	148
HSK-F 63	Page	149-152

Shank form BT as per ISO 7388-2

BT 30	Page	153
BT 40	Page	154-159
BT 50	Page	160-161

Modules

Shrink Chuck with radial and angular orientation	Page	162
Modular Short Taper Adapter as per ISO 7388-1	Page	163
Modular Short Taper Adapter HSK-A as per DIN 69871	Page	164
Modular Short Taper Adapter MAS BT as per ISO 7388-2	Page	165

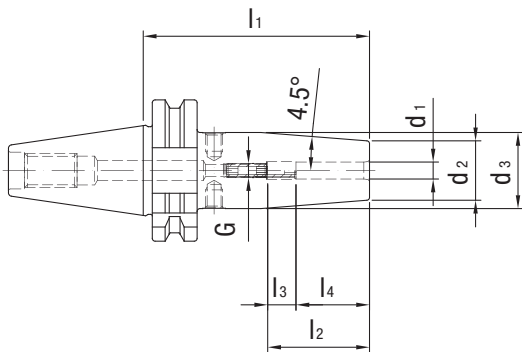
Spare parts & accessories

Spare parts & accessories	Page	166-170
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Shrink Chuck ISO 7388-1, Form AD

(prev. DIN 69871-AD)



Nominal size SK/ISO	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
30	3	10	17	80	28	16	12	M6	2	0.5	15.306.30.03.Z	30337201	●
30	4	15	22	80	28	12	16	M6	2	0.5	15.306.30.04.Z	30337202	●
30	5	15	22	80	30	10	20	M6	2	0.5	15.306.30.05.Z	30337203	●
30	6	21	27	80	36	10	26	M5	2.5	0.6	15.306.30.06.Z	30337204	●
30	8	21	27	80	36	10	26	M6	3	0.6	15.306.30.08.Z	30337205	●
30	10	24	32	80	41	10	31	M8x1	3	0.6	15.306.30.10.Z	30337206	●
30	12	24	32	80	47	10	37	M10x1	5	0.7	15.306.30.12.Z	30337207	●
30	14	27	34	80	47	10	37	M10x1	5	0.7	15.306.30.14.Z	30337208	●
30	16	27	34	80	50	10	40	M12x1	5	0.7	15.306.30.16.Z	30337209	●
30	18	33	42	80	50	10	40	M12x1	5	0.8	15.306.30.18.Z	30337210	●
30	20	33	42	80	52	10	42	M16x1	5	0.8	15.306.30.20.Z	30337211	●

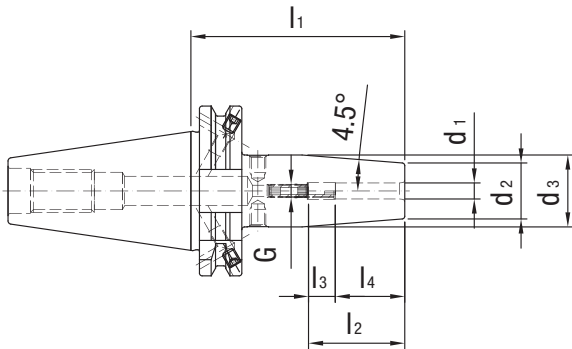
Dimensions in mm.
Shrink extensions at the end of this chapter.

Spare parts and accessories at the end of this chapter.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Shrink Chuck ISO 7388-1, Form AD/AF

(prev. DIN 69871-AD/B)



Nominal size SK/ISO	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
40	3	10	17	80	28	16	12	M6	2	0.9	15.306.40.03.Z	30337097	●
40	4	15	22	80	28	12	16	M6	2	0.9	15.306.40.04.Z	30337098	●
40	5	15	22	80	30	10	20	M6	2	0.9	15.306.40.05.Z	30337099	●
40	6	21	27	80	36	10	26	M5	2.5	1	15.306.40.06.Z	30337100	●
40	7	21	27	80	36	10	26	M5	2.5	1	15.306.40.07.Z	30337101	●
40	8	21	27	80	36	10	26	M6	3	1	15.306.40.08.Z	30337102	●
40	9	21	27	80	36	10	26	M6	3	1	15.306.40.09.Z	30337103	●
40	10	24	32	80	41	10	31	M8x1	3	1	15.306.40.10.Z	30337104	●
40	11	24	32	80	41	10	31	M8x1	3	1	15.306.40.11.Z	30337105	●
40	12	24	32	80	47	10	37	M10x1	5	1	15.306.40.12.Z	30337106	●
40	13	24	32	80	47	10	37	M10x1	5	1.2	15.306.40.13.Z	30337107	●
40	14	27	34	80	47	10	37	M10x1	5	1	15.306.40.14.Z	30337108	●
40	15	27	34	80	47	10	37	M10x1	5	1.3	15.306.40.15.Z	30337109	●
40	16	27	34	80	50	10	40	M12x1	5	1	15.306.40.16.Z	30337110	●
40	18	33	42	80	50	10	40	M12x1	5	1.1	15.306.40.18.Z	30337111	●
40	20	33	42	80	52	10	42	M16x1	8	1.1	15.306.40.20.Z	30337112	●
40	25	44	53	100	58	10	48	M16x1	8	1.6	15.306.40.25.Z	30337113	●
40	32	44	53	100	62	10	52	M16x1	8	1.4	15.306.40.32.Z	30337114	●

Shrink Chucks

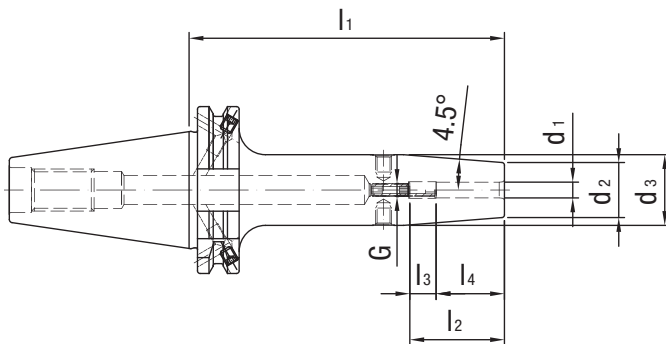
Dimensions in mm.
Basic form AD. Please indicate form AF (prev. B) in your order.

Shrink extensions at the end of this chapter.
Spare parts and accessories at the end of this chapter.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Shrink Chuck ISO 7388-1, Form AD/AF

(prev. DIN 69871-AD/B), long design



Nominal size SK/ISO	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
40	3	10	20	120			12			0.9	15.306.40.03.Z/120	30337212	●
40	3	10	20	160			12			1	15.306.40.03.Z/160	30337213	●
40	3	10	20	200			12			1.1	15.306.40.03.Z/200	30562522	●
40	4	15	22	120			16			1	15.306.40.04.Z/120	30337214	●
40	4	15	22	160			16			1.1	15.306.40.04.Z/160	30337215	●
40	4	15	22	200			16			1.2	15.306.40.04.Z/200	30562523	●
40	5	15	22	120			20			1	15.306.40.05.Z/120	30337216	●
40	5	15	22	160			20			1.1	15.306.40.05.Z/160	30337217	●
40	5	15	22	200			20			1.2	15.306.40.05.Z/200	30562524	●
40	6	21	27	120	36	10	26	M5	2.5	1.1	15.306.40.06.Z/120	30337218	●
40	6	21	27	160	36	10	26	M5	2.5	1.3	15.306.40.06.Z/160	30337219	●
40	6	21	27	200	36	10	26	M5	2.5	1.4	15.306.40.06.Z/200	30562525	●
40	8	21	27	120	36	10	26	M6	3	1.1	15.306.40.08.Z/120	30337220	●
40	8	21	27	160	36	10	26	M6	3	1.3	15.306.40.08.Z/160	30337221	●
40	8	21	27	200	36	10	26	M6	3	1.4	15.306.40.08.Z/200	30562526	●
40	10	24	32	120	41	10	31	M8x1	3	1.2	15.306.40.10.Z/120	30337222	●
40	10	24	32	160	41	10	31	M8x1	3	1.5	15.306.40.10.Z/160	30337223	●
40	10	24	32	200	41	10	31	M8x1	3	1.7	15.306.40.10.Z/200	30562527	●
40	12	24	32	120	47	10	37	M10x1	5	1.2	15.306.40.12.Z/120	30337224	●
40	12	24	32	160	47	10	37	M10x1	5	1.5	15.306.40.12.Z/160	30337225	●
40	12	24	32	200	47	10	37	M10x1	5	1.7	15.306.40.12.Z/200	30337226	●
40	14	27	34	120	47	10	37	M10x1	5	1.3	15.306.40.14.Z/120	30337227	●
40	14	27	34	160	47	10	37	M10x1	5	1.6	15.306.40.14.Z/160	30337228	●
40	14	27	34	200	47	10	37	M10x1	5	1.8	15.306.40.14.Z/200	30562530	●
40	16	27	34	120	50	10	40	M12x1	5	1.3	15.306.40.16.Z/120	30337229	●
40	16	27	34	160	50	10	40	M12x1	5	1.6	15.306.40.16.Z/160	30337230	●
40	16	27	34	200	50	10	40	M12x1	5	1.8	15.306.40.16.Z/200	30562531	●
40	18	33	42	120	50	10	40	M12x1	5	1.5	15.306.40.18.Z/120	30337231	●
40	18	33	42	160	50	10	40	M12x1	5	1.7	15.306.40.18.Z/160	30337232	●
40	18	33	42	200	50	10	40	M12x1	5	1.9	15.306.40.18.Z/200	30562534	●

Continued on next page.

Dimensions in mm.

Basic form AD. Please indicate form AF (prev. B) in your order.

Shrink extensions at the end of this chapter.

Spare parts and accessories at the end of this chapter.

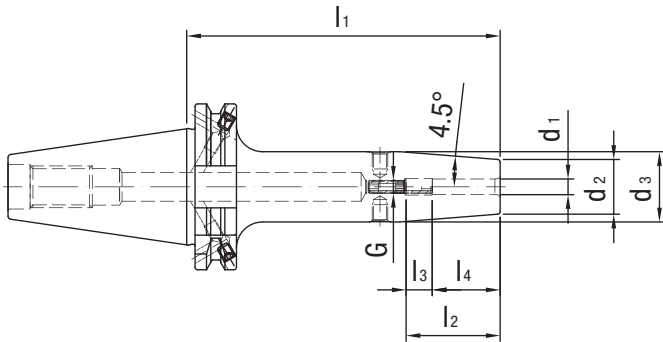
Custom designs available on request.

● These products are available in stock.

○ Standard tool not on stock (delivery time on request).

Shrink Chuck ISO 7388-1, Form AD/AF

(prev. DIN 69871-AD/B), long design



Nominal size SK/ISO	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
40	20	33	42	120	52	10	42	M16x1	8	1.5	15.306.40.20.Z/120	30337233	●
40	20	33	42	160	52	10	42	M16x1	8	1.8	15.306.40.20.Z/160	30337234	●
40	20	33	42	200	52	10	42	M16x1	8	2	15.306.40.20.Z/200	30562535	●
40	25	44	53	120	58	10	48	M16x1	8	1.8	15.306.40.25.Z/120	30337235	●
40	25	44	53	160	58	10	48	M16x1	8	2.5	15.306.40.25.Z/160	30337236	●
40	25	44	53	200	58	10	48	M16x1	8	2.8	15.306.40.25.Z/200	30562536	○
40	32	44	53	120	62	10	52	M16x1	8	1.7	15.306.40.32.Z/120	30337237	●
40	32	44	53	160	62	10	52	M16x1	8	2.4	15.306.40.32.Z/160	30337238	●
40	32	44	53	200	62	10	52	M16x1	8	3.2	15.306.40.32.Z/200	30562537	○

Shrink Chucks

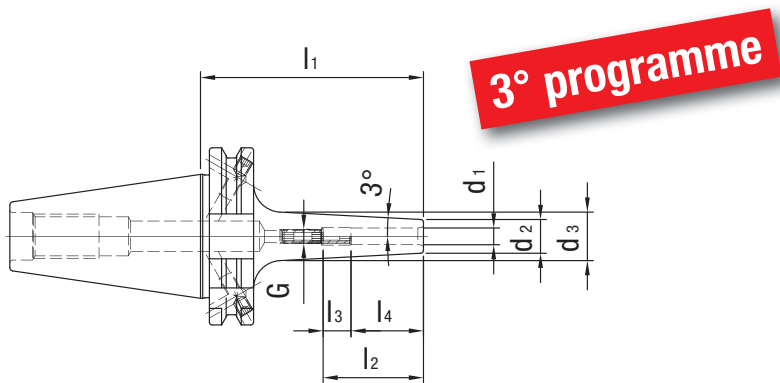
Dimensions in mm.
Basic form AD. Please indicate form AF (prev. B)
in your order.

Shrink extensions at the end of this chapter.
Spare parts and accessories at the end of this chapter.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Shrink Chuck ISO 7388-1, Form AD/AF

(prev. DIN 69871-AD/B), narrow design, 3°



Nominal size SK/ISO	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
40	3	9	14	80	28	16	12	M6	2	0.9	15.304.40.03.Z	30385321	●
40	4	10	15	80	28	12	16	M6	2	0.9	15.304.40.04.Z	30385324	●
40	5	11	16	80	30	10	20	M6	2	0.9	15.304.40.05.Z	30385327	●
40	6	12	17	80	36	10	26	M5	2.5	0.9	15.304.40.06.Z	30385330	●
40	8	14	19	80	36	10	26	M6	3	0.9	15.304.40.08.Z	30385333	●
40	10	16	21	80	41	10	31	M8x1	3	0.9	15.304.40.10.Z	30385336	●
40	12	18	23	80	47	10	37	M10x1	5	0.9	15.304.40.12.Z	30385339	●
40	14	20	26	80	47	10	37	M10x1	5	0.9	15.304.40.14.Z	30385342	●
40	16	22	28	80	50	10	40	M12x1	5	1	15.304.40.16.Z	30385345	●
40	18	24	30	80	50	10	40	M12x1	5	1	15.304.40.18.Z	30385348	●
40	20	26	32	80	52	10	42	M16x1	8	1	15.304.40.20.Z	30385351	●

Dimensions in mm.

Basic form AD. Please indicate form AF (prev. B) in your order.

Shrink extensions at the end of this chapter.

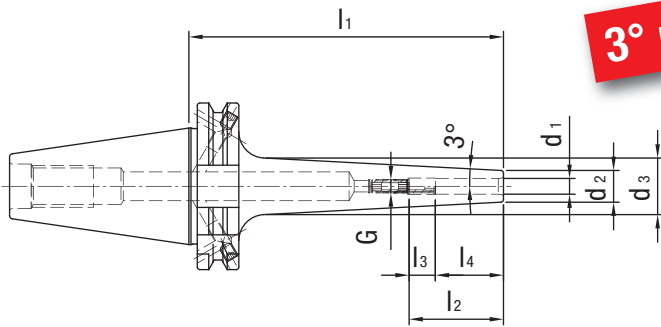
Spare parts and accessories at the end of this chapter.
Custom designs available on request.

● These products are available in stock.

○ Standard tool not on stock (delivery time on request).

Shrink Chuck ISO 7388-1, Form AD/AF

(prev. DIN 69871-AD/B), long narrow design, 3°



Nominal size SK/ISO	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
40	3	9	16	120			12			0.9	15.304.40.03.Z/120	30385322	○
40	3	9	19	160			12			1.1	15.304.40.03.Z/160	30385323	○
40	3	9	19	200			12			1.2	15.304.40.03.Z/200	30596516	○
40	4	10	17	120			16			0.9	15.304.40.04.Z/120	30385325	○
40	4	10	20	160			16			1.1	15.304.40.04.Z/160	30385326	○
40	4	10	20	200			16			1.2	15.304.40.04.Z/200	30596517	○
40	5	11	18	120			20			1	15.304.40.05.Z/120	30385328	○
40	5	11	21	160			20			1.1	15.304.40.05.Z/160	30385329	○
40	5	11	21	200			20			1.2	15.304.40.05.Z/200	30596518	○
40	6	12	22	120	36	10	26	M5	2.5	1	15.304.40.06.Z/120	30385331	○
40	6	12	24	160	36	10	26	M5	2.5	1.1	15.304.40.06.Z/160	30385332	○
40	6	12	24	200	36	10	26	M5	2.5	1.4	15.304.40.06.Z/200	30596519	○
40	8	14	24	120	36	10	26	M6	3	1	15.304.40.08.Z/120	30385334	○
40	8	14	26	160	36	10	26	M6	3	1.2	15.304.40.08.Z/160	30385335	○
40	8	14	26	200	36	10	26	M6	3	1.4	15.304.40.08.Z/200	30596520	○
40	10	16	26	120	41	10	31	M8x1	3	1.1	15.304.40.10.Z/120	30385337	○
40	10	16	28	160	41	10	31	M8x1	3	1.2	15.304.40.10.Z/160	30385338	○
40	10	16	28	200	41	10	31	M8x1	3	1.6	15.304.40.10.Z/200	30596521	○
40	12	18	28	120	47	10	37	M10x1	5	1.1	15.304.40.12.Z/120	30385340	○
40	12	18	30	160	47	10	37	M10x1	5	1.3	15.304.40.12.Z/160	30385341	○
40	12	18	30	200	47	10	37	M10x1	5	1.5	15.304.40.12.Z/200	30596522	○
40	14	20	30	120	47	10	37	M10x1	5	1.1	15.304.40.14.Z/120	30385343	○
40	14	20	32	160	47	10	37	M10x1	5	1.3	15.304.40.14.Z/160	30385344	○
40	14	20	32	200	47	10	37	M10x1	5	1.6	15.304.40.14.Z/200	30596523	○
40	16	22	32	120	50	10	40	M12x1	5	1.2	15.304.40.16.Z/120	30385346	○
40	16	22	34	160	50	10	40	M12x1	5	1.4	15.304.40.16.Z/160	30385347	○
40	16	22	34	200	50	10	40	M12x1	5	2.6	15.304.40.15.Z/200	30596525	○
40	18	24	34	120	50	10	40	M12x1	5	1.2	15.304.40.18.Z/120	30385349	○
40	18	24	36	160	50	10	40	M12x1	5	1.5	15.304.40.18.Z/160	30385350	○
40	18	24	36	200	50	10	40	M12x1	5	2.8	15.304.40.18.Z/200	30596526	○
40	20	26	36	120	52	10	42	M16x1	8	1.2	15.304.40.20.Z/120	30385352	○
40	20	26	38	160	52	10	42	M16x1	8	1.6	15.304.40.20.Z/160	30385353	○
40	20	26	38	200	52	10	42	M16x1	8	2.9	15.304.40.20.Z/200	30596528	○

Shrink Chucks

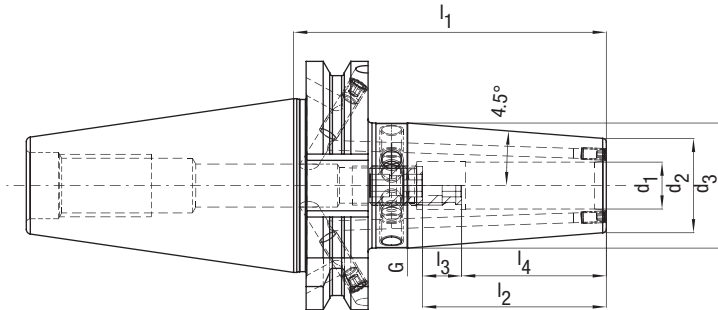
Dimensions in mm.
Basic form AD. Please indicate form AF (prev. B) in your order.

Shrink extensions at the end of this chapter.
Spare parts and accessories at the end of this chapter.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Shrink Chuck ISO 7388-1, Form AD/AF

(prev. DIN 69871-AD/B), with resealable coolant duct holes



Nominal size SK/ISO	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
40	3	10	17	80	28	16	12	M6	2	0.9	15.306.40.03.KKB	30590786	●
40	4	15	22	80	28	12	16	M6	2	0.9	15.306.40.04.KKB	30590787	●
40	5	15	22	80	30	10	20	M6	2	0.9	15.306.40.05.KKB	30590789	●
40	6	21	27	80	36	10	26	M5	2.5	1	15.306.40.06.KKB	30589845	●
40	8	21	27	80	36	10	26	M6	3	1	15.306.40.08.KKB	30589849	●
40	10	24	32	80	41	10	31	M8x1	3	1	15.306.40.10.KKB	30589850	●
40	12	24	32	80	47	10	37	M10x1	5	1	15.306.40.12.KKB	30589852	●
40	14	27	34	80	47	10	37	M10x1	5	1	15.306.40.14.KKB	30589853	●
40	16	27	34	80	50	10	40	M12x1	5	1	15.306.40.16.KKB	30589855	●
40	18	33	42	80	50	10	40	M12x1_KKB	5	1.1	15.306.40.18.KKB	30589857	●
40	20	33	42	80	52	10	42	M16x1_KKB	5	1.1	15.306.40.20.KKB	30589858	●
40	25	44	53	100	58	10	48	M16x1	8	1.6	15.306.40.25.KKB	30589870	●
40	32	44	53	100	62	10	52	M16x1_KKB	5	1.4	15.306.40.32.KKB	30589872	●

Dimensions in mm.

Basic form AD. Please indicate form AF (prev. B) in your order.

Standard design with two coolant duct holes.

Shrink extensions at the end of this chapter.

Spare parts and accessories at the end of this chapter.

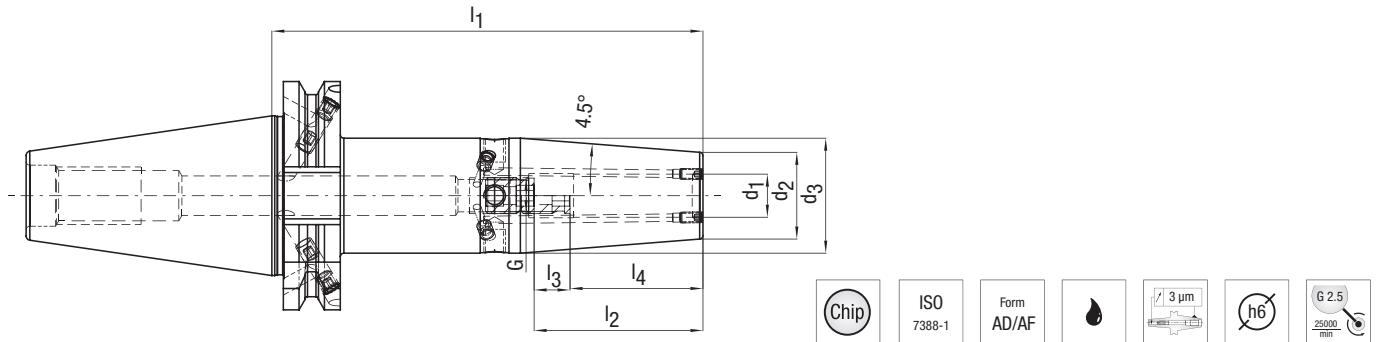
Custom designs available on request.

● These products are available in stock.

○ Standard tool not on stock (delivery time on request).

Shrink Chuck ISO 7388-1, Form AD/AF

(prev. DIN 69871-AD/B), with resealable coolant duct holes



Nominal size SK/ISO	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
40	3	9	16	120			12			0.9	15.306.40.03.120.KKB	30590790	○
40	4	10	17	120			16			1	15.306.40.04.120.KKB	30590793	○
40	5	11	18	120			20			1	15.306.40.05.120.KKB	30590794	○
40	6	12	22	120	36	10	26	M5	2.5	1.1	15.306.40.06.120.KKB	30589873	○
40	8	14	24	120	36	10	26	M6	3	1.1	15.306.40.08.120.KKB	30589874	○
40	10	16	26	120	41	10	31	M8x1	3	1.2	15.306.40.10.120.KKB	30589875	○
40	12	18	28	120	47	10	37	M10x1	5	1.2	15.306.40.12.120.KKB	30589876	○
40	14	20	30	120	47	10	37	M10x1	5	1.3	15.306.40.14.120.KKB	30589877	○
40	16	22	32	120	50	10	40	M12x1_KKB	5	1.3	15.306.40.16.120.KKB	30589879	○
40	18	24	34	120	50	10	40	M12x1_KKB	5	1.5	15.306.40.18.120.KKB	30589880	○
40	20	26	36	120	52	10	42	M16x1_KKB	5	1.5	15.306.40.20.120.KKB	30589881	○
40	25	44	53	120	58	10	48	M16x1	8	1.8	15.306.40.25.120.KKB	30589882	○
40	32	44	53	120	62	10	52	M16x1_KKB	5	1.7	15.306.40.32.120.KKB	30589883	○

Shrink Chucks

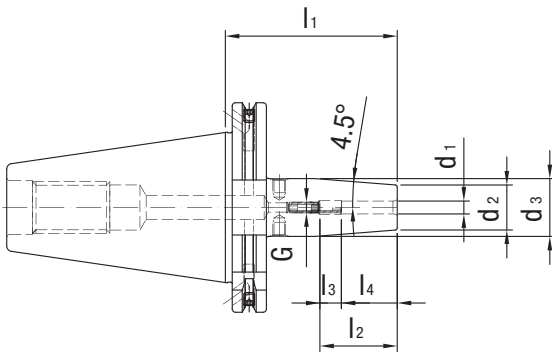
Dimensions in mm.
 Basic form AD. Please indicate form AF (prev. B) in your order.
 Standard design with two coolant duct holes.

Shrink extensions at the end of this chapter.
 Spare parts and accessories at the end of this chapter.
 Custom designs available on request.

● These products are available in stock.
 ○ Standard tool not on stock (delivery time on request).

Shrink Chuck ISO 7388-1, Form AD/AF

(prev. DIN 69871-AD/B)



Nominal size SK/ISO	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
50	3	10	17	80			12			2.7	15.306.50.03.Z	30337239	●
50	4	15	22	80			16			2.7	15.306.50.04.Z	30337242	●
50	5	15	22	80			20			2.7	15.306.50.05.Z	30337245	●
50	6	21	27	80	36	10	26	M5	2.5	2.8	15.306.50.06.Z	30337248	●
50	8	21	27	80	36	10	26	M6	3	2.8	15.306.50.08.Z	30337251	●
50	10	24	32	80	41	10	31	M8x1	3	2.8	15.306.50.10.Z	30337254	●
50	12	24	32	80	47	10	37	M10x1	5	2.8	15.306.50.12.Z	30337257	●
50	14	27	34	80	47	10	37	M10x1	5	2.9	15.306.50.14.Z	30337260	●
50	16	27	34	80	50	10	40	M12x1	5	2.9	15.306.50.16.Z	30337263	●
50	18	33	42	80	50	10	40	M12x1	5	3	15.306.50.18.Z	30337266	●
50	20	33	42	80	52	10	42	M16x1	8	3	15.306.50.20.Z	30337269	●
50	25	44	53	100	58	10	48	M16x1	8	3.5	15.306.50.25.Z	30337272	●
50	32	44	53	100	62	10	52	M16x1	8	3.3	15.306.50.32.Z	30337275	●

Dimensions in mm.

Basic form AD. Please indicate form AF (prev. B) in your order.

Shrink extensions at the end of this chapter.

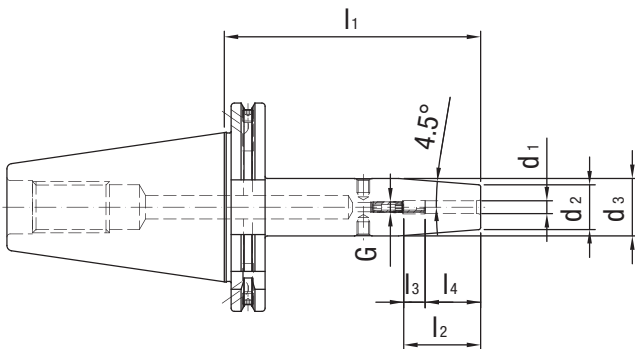
Spare parts and accessories at the end of this chapter.
Custom designs available on request.

● These products are available in stock.

○ Standard tool not on stock (delivery time on request).

Shrink Chuck ISO 7388-1, Form AD/AF

(prev. DIN 69871-AD/B), long design



Nominal size SK/ISO	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
50	3	10	20	120			12			2.8	15.306.50.03.Z/120	30337240	●
50	3	10	20	160			12			3	15.306.50.03.Z/160	30337241	●
50	4	15	22	120			16			2.8	15.306.50.04.Z/120	30337243	●
50	4	15	22	160			16			3	15.306.50.04.Z/160	30337244	●
50	5	15	22	120			20			2.8	15.306.50.05.Z/120	30337246	●
50	5	15	22	160			20			3	15.306.50.05.Z/160	30337247	●
50	6	21	27	120	36	10	26	M5	2.5	2.9	15.306.50.06.Z/120	30337249	●
50	6	21	27	160	36	10	26	M5	2.5	3.1	15.306.50.06.Z/160	30337250	●
50	8	21	27	120	36	10	26	M6	3	3	15.306.50.08.Z/120	30337252	●
50	8	21	27	160	36	10	26	M6	3	3.1	15.306.50.08.Z/160	30337253	●
50	10	24	32	120	41	10	31	M8x1	3	3	15.306.50.10.Z/120	30337255	●
50	10	24	32	160	41	10	31	M8x1	3	3.3	15.306.50.10.Z/160	30337256	●
50	12	24	32	120	47	10	37	M10x1	5	3	15.306.50.12.Z/120	30337258	●
50	12	24	32	160	47	10	37	M10x1	5	3.3	15.306.50.12.Z/160	30337259	●
50	14	27	34	120	47	10	37	M10x1	5	3.1	15.306.50.14.Z/120	30337261	●
50	14	27	34	160	47	10	37	M10x1	5	3.4	15.306.50.14.Z/160	30337262	●
50	16	27	34	120	50	10	40	M12x1	5	3.1	15.306.50.16.Z/120	30337264	●
50	16	27	34	160	50	10	40	M12x1	5	3.5	15.306.50.16.Z/160	30337265	●
50	18	33	42	120	50	10	40	M12x1	5	3.3	15.306.50.18.Z/120	30337267	●
50	18	33	42	160	50	10	40	M12x1	5	3.7	15.306.50.18.Z/160	30337268	●
50	20	33	42	120	52	10	42	M16x1	8	3.3	15.306.50.20.Z/120	30337270	●
50	20	33	42	160	52	10	42	M16x1	8	3.7	15.306.50.20.Z/160	30337271	●
50	25	44	53	120	58	10	48	M16x1	8	3.8	15.306.50.25.Z/120	30337273	●
50	25	44	53	160	58	10	48	M16x1	8	4	15.306.50.25.Z/160	30337274	●
50	32	44	53	120	62	10	52	M16x1	8	3.8	15.306.50.32.Z/120	30337276	●
50	32	44	53	160	62	10	52	M16x1	8	4	15.306.50.32.Z/160	30337277	●

Shrink Chucks

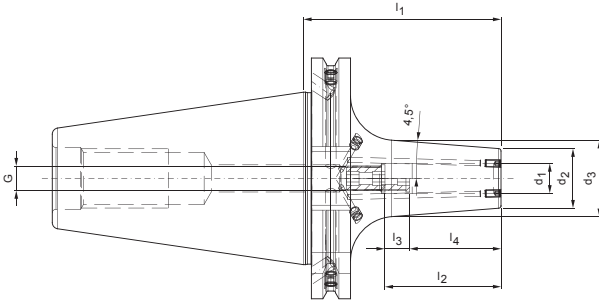
Dimensions in mm.
Basic form AD. Please indicate form AF (prev. B) in your order.

Shrink extensions at the end of this chapter.
Spare parts and accessories at the end of this chapter.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Shrink Chuck Volume Shrink ISO 7388-1, Form AD/AF

(prev. DIN 69871-AD/B), with resealable coolant duct holes



Nominal size SK/ISO	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
50	6	21	27.7	80	36	10	26	M5	2.5	2.9	15.307.50.06.KKB	30655193	●
50	8	21	27.7	80	36	10	26	M6	3	2.9	15.307.50.08.KKB	30655194	●
50	10	24	31	80	41	10	31	M8x1	3	3	15.307.50.10.KKB	30655195	●
50	12	24	31	80	47	10	37	M10x1	5	3	15.307.50.12.KKB	30655196	●
50	16	27	34.3	80	50	10	40	M12x1_KKB	5	3	15.307.50.16.KKB	30655197	●
50	20	33	40.6	80	52	10	52	M16x1_KKB	5	3.1	15.307.50.20.KKB	30655198	●
50	25	44	55.9	100	58	10	48	M16x1_KKB	5	3.7	15.307.50.25.KKB	30655199	●
50	32	44	55.9	100	62	10	52	M16x1_KKB	5	3.5	15.307.50.32.KKB	30655200	●

Dimensions in mm.

Basic form AD. Please indicate form AF (prev. B) in your order.

Shrink extensions at the end of this chapter.

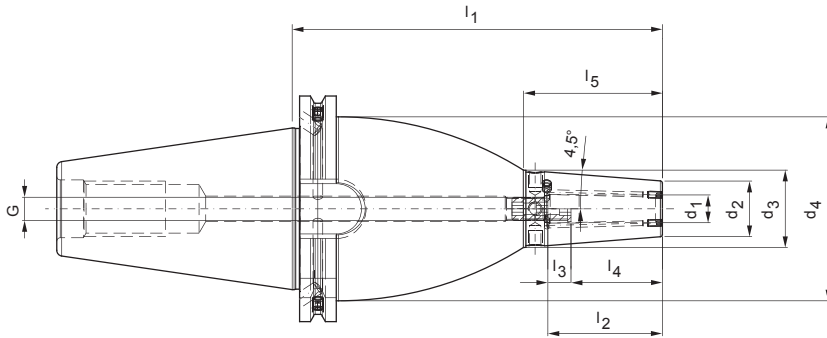
Spare parts and accessories at the end of this chapter.
Custom designs available on request.

● These products are available in stock.

○ Standard tool not on stock (delivery time on request).

Shrink Chuck Volume Shrink ISO 7388-1, Form AD/AF

(prev. DIN 69871-AD/B), with resealable coolant duct holes



Nominal size SK/ISO	Dimensions									G	sw	Weight kg	Order designation	Order No.	Stock
	d_1	d_2	d_3	d_4	l_1	l_2	l_3	l_4	l_5						
50	6	21	29	79.5	160	36	10	26	51	M5_KKB	2.5	5	15.307.50.06.160.KKB	30655201	●
50	8	21	29	79.5	160	36	10	26	51	M6_KKB	3	5	15.307.50.08.160.KKB	30655202	●
50	10	24	32.7	79.5	160	41	10	31	55	M8x1_KKB	3	5.1	15.307.50.10.160.KKB	30655203	●
50	12	24	33.4	79.5	160	47	10	37	60	M10x1_KKB	5	5	15.307.50.12.160.KKB	30655204	●
50	16	27	37.2	79.5	160	50	10	40	65	M12x1_KKB	5	5	15.307.50.16.160.KKB	30655205	●
50	20	33	44	79.5	160	52	10	52	70	M16x1_KKB	5	5.1	15.307.50.20.160.KKB	30655206	●
50	25	44	55.8	79.5	160	58	10	48	75	M16x1_KKB	5	5.6	15.307.50.25.160.KKB	30655207	●
50	32	44	56.6	79.5	160	62	10	52	80	M16x1_KKB	5	5.4	15.307.50.32.160.KKB	30655208	●

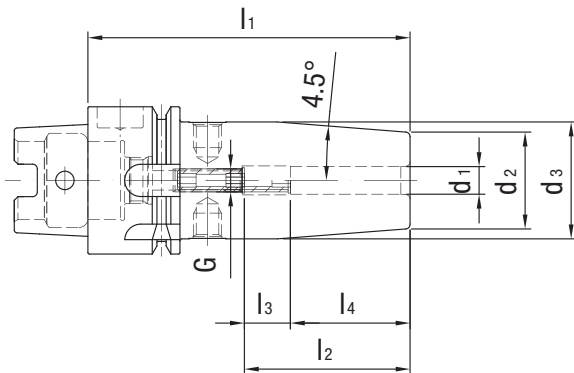
Shrink Chucks

Dimensions in mm.
Basic form AD. Please indicate form AF (prev. B) in your order.

Shrink extensions at the end of this chapter.
Spare parts and accessories at the end of this chapter.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Shrink Chuck DIN 69893-A



Nominal size HSK-A	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
32	3	10	15	60	28	16	12	M5	2	0.2	16.306.32.03.Z	30337360	○
32	4	10	15	60	28	12	16	M5	2	0.2	16.306.32.04.Z	30337361	○
32	5	10	15	60	30	10	20	M6	2	0.2	16.306.32.05.Z	30337362	○
32	6	21	25	70	36	10	26	M5	2.5	0.3	16.306.32.06.Z	30337363	○
32	8	21	25	70	36	10	26	M6	3	0.3	16.306.32.08.Z	30337364	○
32	10	24	29	75	41	10	31	M8x1	3	0.4	16.306.32.10.Z	30337365	○
32	12	24	29	80	47	10	37	M10x1	5	0.4	16.306.32.12.Z	30337366	○

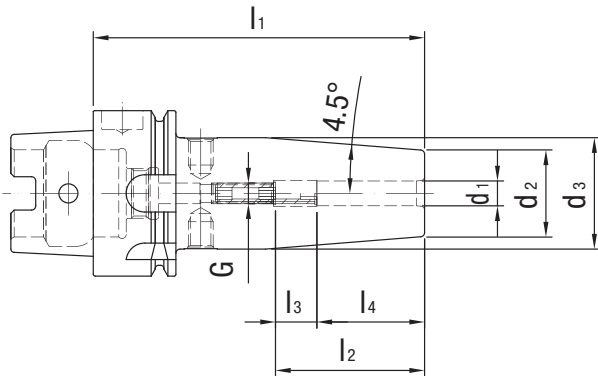
Dimensions in mm.

MQL-capable design possible on request.
Shrink extensions at the end of this chapter.

Spare parts and accessories at the end of this chapter.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Shrink Chuck DIN 69893-A



Nominal size HSK-A	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
40	3	10	15	60	28	16	12	M6	2	0.3	16.306.40.03.Z	30337367	○
40	4	10	15	60	28	12	16	M6	2	0.3	16.306.40.04.Z	30337370	○
40	5	10	15	60	30	10	20	M6	2	0.3	16.306.40.05.Z	30337373	○
40	6	21	27	80	36	10	26	M5	2.5	0.4	16.306.40.06.Z	30337376	○
40	8	21	27	80	36	10	26	M6	3	0.4	16.306.40.08.Z	30337379	○
40	10	24	32	80	41	10	31	M8x1	3	0.5	16.306.40.10.Z	30337382	○
40	12	24	32	90	47	10	37	M10x1	5	0.5	16.306.40.12.Z	30337385	○
40	14	27	33.5	90	47	10	37	M10x1	5	0.6	16.306.40.14.Z	30337388	○
40	16	27	33.5	90	50	10	40	M12x1	5	0.5	16.306.40.16.Z	30337391	○

Shrink Chucks

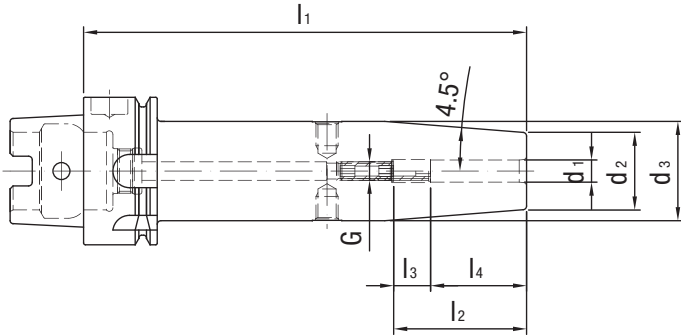
Dimensions in mm.
MQL-capable design possible on request.
Shrink extensions at the end of this chapter.

Spare parts and accessories at the end of this chapter.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Shrink Chuck DIN 69893-A

Long design



Nominal size HSK-A	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
40	3	10	20	120			12			0.4	16.306.40.03.Z/120	30337368	○
40	3	10	20	160			12			0.5	16.306.40.03.Z/160	30337369	○
40	4	15	22	120			16			0.4	16.306.40.04.Z/120	30337371	○
40	4	15	22	160			16			0.5	16.306.40.04.Z/160	30337372	○
40	5	15	22	120			20			0.4	16.306.40.05.Z/120	30337374	○
40	5	15	22	160			20			0.5	16.306.40.05.Z/160	30337375	○
40	6	21	27	120	36	10	26	M5	2.5	0.6	16.306.40.06.Z/120	30337377	○
40	6	21	27	160	36	10	26	M5	2.5	0.7	16.306.40.06.Z/160	30337378	○
40	8	21	27	120	36	10	26	M6	3	0.6	16.306.40.08.Z/120	30337380	○
40	8	21	27	160	36	10	26	M6	3	0.7	16.306.40.08.Z/160	30337381	○
40	10	24	32	120	41	10	31	M8x1	3	0.7	16.306.40.10.Z/120	30337383	○
40	10	24	32	160	41	10	31	M8x1	3	0.8	16.306.40.10.Z/160	30337384	○
40	12	24	32	120	47	10	37	M10x1	5	0.7	16.306.40.12.Z/120	30337386	○
40	12	24	32	160	47	10	37	M10x1	5	0.8	16.306.40.12.Z/160	30337387	○
40	14	27	33.5	120	47	10	37	M10x1	5	0.8	16.306.40.14.Z/120	30337389	○
40	14	27	33.5	160	47	10	37	M10x1	5	0.9	16.306.40.14.Z/160	30337390	○
40	16	27	33.5	120	50	10	40	M12x1	5	0.7	16.306.40.16.Z/120	30337392	○
40	16	27	33.5	160	50	10	40	M12x1	5	0.8	16.306.40.16.Z/160	30337393	○

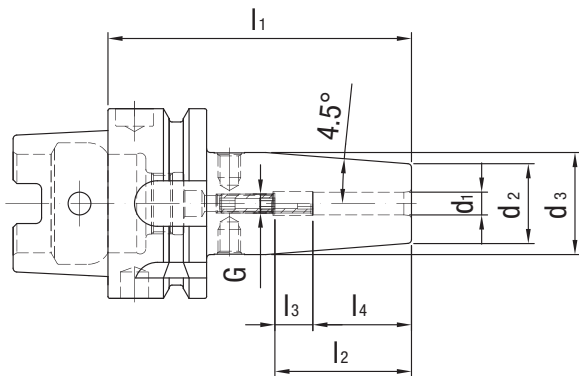
Dimensions in mm.

MQL-capable design possible on request.
Shrink extensions at the end of this chapter.

Spare parts and accessories at the end of this chapter.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Shrink Chuck DIN 69893-A



Nominal size HSK-A	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
50	3	10	15	80	28	16	12	M6	2	0.4	16.306.50.03.Z	30337394	○
50	4	15	22	80	28	12	16	M6	2	0.5	16.306.50.04.Z	30337397	○
50	5	15	22	80	30	10	20	M6	2	0.5	16.306.50.05.Z	30337400	○
50	6	21	27	80	36	10	26	M5	2.5	0.7	16.306.50.06.Z	30337403	○
50	8	21	27	80	36	10	26	M6	3	0.6	16.306.50.08.Z	30337407	○
50	10	24	32	85	41	10	31	M8x1	3	0.7	16.306.50.10.Z	30337410	○
50	12	24	32	90	47	10	37	M10x1	5	0.7	16.306.50.12.Z	30337413	○
50	14	27	34	90	47	10	37	M10x1	5	0.7	16.306.50.14.Z	30337416	○
50	16	27	34	95	50	10	40	M12x1	5	0.7	16.306.50.16.Z	30337419	○
50	18	33	42	95	50	10	40	M12x1	5	0.9	16.306.50.18.Z	30337422	○
50	20	33	42	100	52	10	42	M16x1	5	0.9	16.306.50.20.Z	30337425	○

Dimensions in mm.

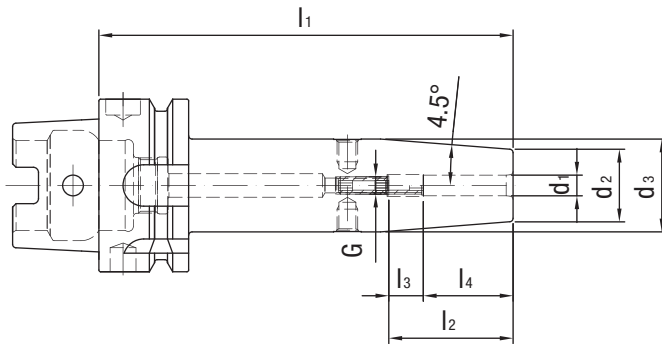
MQL-capable design possible on request.
Shrink extensions at the end of this chapter.

Spare parts and accessories at the end of this chapter.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Shrink Chuck DIN 69893-A

Long design



Nominal size HSK-A	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
50	3	10	20	120			12			0.5	16.306.50.03.Z/120	30337395	○
50	3	10	20	160			12			0.6	16.306.50.03.Z/160	30337396	○
50	4	15	22	120			16			0.6	16.306.50.04.Z/120	30337398	○
50	4	15	22	160			16			0.7	16.306.50.04.Z/160	30337399	○
50	5	15	22	120			20			0.6	16.306.50.05.Z/120	30337401	○
50	5	15	22	160			20			0.7	16.306.50.05.Z/160	30337402	○
50	6	21	27	120	36	10	26	M5	2.5	0.8	16.306.50.06.Z/120	30337404	○
50	6	21	27	160	36	10	26	M5	2.5	0.9	16.306.50.06.Z/160	30337405	○
50	8	21	27	120	36	10	26	M6	3	0.8	16.306.50.08.Z/120	30337408	○
50	8	21	27	160	36	10	26	M6	3	0.9	16.306.50.08.Z/160	30337409	○
50	10	24	32	120	41	10	31	M8x1	3	0.8	16.306.50.10.Z/120	30337411	○
50	10	24	32	160	41	10	31	M8x1	3	0.9	16.306.50.10.Z/160	30337412	○
50	12	24	32	120	47	10	37	M10x1	5	0.8	16.306.50.12.Z/120	30337414	○
50	12	24	32	160	47	10	37	M10x1	5	0.9	16.306.50.12.Z/160	30337415	○
50	14	27	34	120	47	10	37	M10x1	5	0.8	16.306.50.14.Z/120	30337417	○
50	14	27	34	160	47	10	37	M10x1	5	0.9	16.306.50.14.Z/160	30337418	○
50	16	27	34	120	50	10	40	M12x1	5	0.8	16.306.50.16.Z/120	30337420	○
50	16	27	34	160	50	10	40	M12x1	5	0.9	16.306.50.16.Z/160	30337421	○
50	18	33	42	120	50	10	40	M12x1	5	1	16.306.50.18.Z/120	30337423	○
50	18	33	42	160	50	10	40	M12x1	5	1.1	16.306.50.18.Z/160	30337424	○
50	20	33	42	120	52	10	42	M16x1	5	1	16.306.50.20.Z/120	30337426	○
50	20	33	42	160	52	10	42	M16x1	5	1.1	16.306.50.20.Z/160	30337427	○

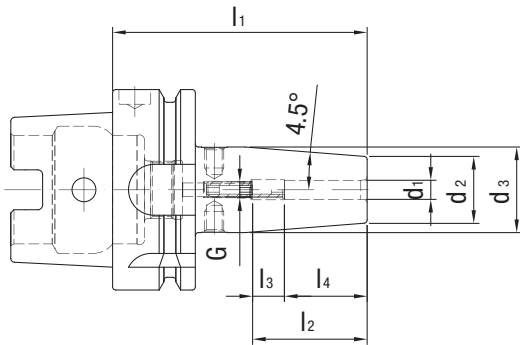
Dimensions in mm.

MQL-capable design possible on request.
Shrink extensions at the end of this chapter.

Spare parts and accessories at the end of this chapter.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Shrink Chuck DIN 69893-A



Nominal size HSK-A	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
63	3	10	15	80	28	16	12	M6	2	0.7	16.306.63.03.Z	30337115	●
63	4	15	22	80	28	12	16	M6	2	0.7	16.306.63.04.Z	30337116	●
63	5	15	22	80	30	10	20	M6	2	0.7	16.306.63.05.Z	30337117	●
63	6	21	27	80	36	10	26	M5	2.5	0.8	16.306.63.06.Z	30337118	●
63	7	21	27	80	36	10	26	M5	2.5	0.8	16.306.63.07.Z	30337119	●
63	8	21	27	80	36	10	26	M6	3	0.8	16.306.63.08.Z	30337120	●
63	9	21	27	80	36	10	26	M6	3	0.9	16.306.63.09.Z	30337121	●
63	10	24	32	85	41	10	31	M8x1	3	0.9	16.306.63.10.Z	30337122	●
63	11	24	32	85	41	10	31	M8x1	3	0.9	16.306.63.11.Z	30337123	●
63	12	24	32	90	47	10	37	M10x1	5	0.9	16.306.63.12.Z	30337124	●
63	13	24	32	90	47	10	37	M10x1	5	0.9	16.306.63.13.Z	30337125	●
63	14	27	34	90	47	10	37	M10x1	5	0.9	16.306.63.14.Z	30337126	●
63	15	27	34	90	47	10	37	M10x1	5	1	16.306.63.15.Z	30337127	●
63	16	27	34	95	50	10	40	M12x1	5	1	16.306.63.16.Z	30337128	●
63	18	33	42	95	50	10	40	M12x1	5	1.1	16.306.63.18.Z	30337129	●
63	20	33	42	100	52	10	42	M16x1	5	1.1	16.306.63.20.Z	30337130	●
63	25	44	53	115	58	10	48	M16x1	5	1.6	16.306.63.25.Z	30337131	●
63	32	44	53	120	62	10	52	M16x1	5	1.6	16.306.63.32.Z	30337132	●

Dimensions in mm.

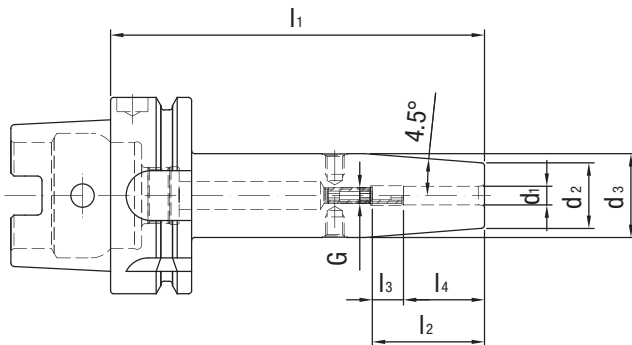
MQL-capable design possible on request.
Shrink extensions at the end of this chapter.

Spare parts and accessories at the end of this chapter.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Shrink Chuck DIN 69893-A

Long design



Nominal size HSK-A	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
63	3	10	20	120			12			0.8	16.306.63.03.Z/120	30337428	●
63	3	10	20	160			12			0.8	16.306.63.03.Z/160	30337429	●
63	3	10	20	200			12			1	16.306.63.03.Z/200	30562498	●
63	4	15	22	120			16			0.8	16.306.63.04.Z/120	30337430	●
63	4	15	22	160			16			0.9	16.306.63.04.Z/160	30337431	●
63	4	15	22	200			16			1	16.306.63.04.Z/200	30562500	●
63	5	15	22	120			20			0.8	16.306.63.05.Z/120	30337432	●
63	5	15	22	160			20			0.9	16.306.63.05.Z/160	30337433	●
63	5	15	22	200			20			1.1	16.306.63.05.Z/200	30562502	●
63	6	21	27	120	36	10	26	M5	2.5	1	16.306.63.06.Z/120	30337434	●
63	6	21	27	160	36	10	26	M5	2.5	1.1	16.306.63.06.Z/160	30337435	●
63	6	21	27	200	36	10	26	M5	2.5	1.4	16.306.63.06.Z/200	30526480	●
63	8	21	27	120	36	10	26	M6	3	1	16.306.63.08.Z/120	30337436	●
63	8	21	27	160	36	10	26	M6	3	1.1	16.306.63.08.Z/160	30337437	●
63	8	21	27	200	36	10	26	M6	3	1.4	16.306.63.08.Z/200	30337438	●
63	10	24	32	120	41	10	31	M8x1	3	1	16.306.63.10.Z/120	30337439	●
63	10	24	32	160	41	10	31	M8x1	3	1.3	16.306.63.10.Z/160	30337440	●
63	10	24	32	200	41	10	31	M8x1	3	1.6	16.306.63.10.Z/200	30419210	●
63	12	24	32	120	47	10	37	M10x1	5	1	16.306.63.12.Z/120	30337441	●
63	12	24	32	160	47	10	37	M10x1	5	1.2	16.306.63.12.Z/160	30337442	●
63	12	24	32	200	47	10	37	M10x1	5	1.6	16.306.63.12.Z/200	30425006	●
63	14	27	34	120	47	10	37	M10x1	5	1.1	16.306.63.14.Z/120	30337443	●
63	14	27	34	160	47	10	37	M10x1	5	1.3	16.306.63.14.Z/160	30337444	●
63	14	27	34	200	47	10	37	M10x1	5	1.7	16.306.63.14.Z/200	30526482	●

Dimensions in mm.

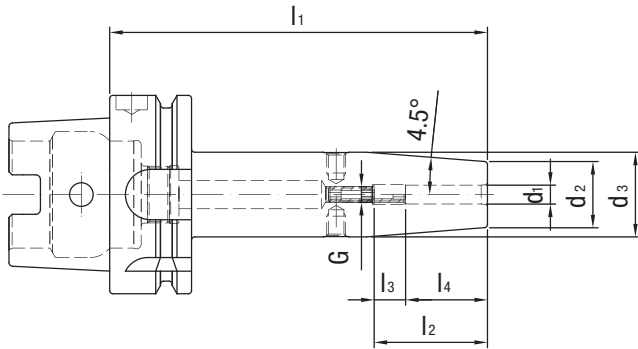
MQL-capable design possible on request.
Shrink extensions at the end of this chapter.

Spare parts and accessories at the end of this chapter.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Shrink Chuck DIN 69893-A

Long design



Nominal size HSK-A	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
63	16	27	34	120	50	10	40	M12x1	5	1.1	16.306.63.16.Z/120	30337445	●
63	16	27	34	160	50	10	40	M12x1	5	1.4	16.306.63.16.Z/160	30337446	●
63	16	27	34	200	50	10	40	M12x1	5	1.7	16.306.63.16.Z/200	30526485	●
63	18	33	42	120	50	10	40	M12x1	5	1.3	16.306.63.18.Z/120	30337447	●
63	18	33	42	160	50	10	40	M12x1	5	1.6	16.306.63.18.Z/160	30337448	●
63	18	33	42	200	50	10	40	M12x1	5	2.3	16.306.63.18.Z/200	30526487	●
63	20	33	42	120	52	10	42	M16x1	5	1.3	16.306.63.20.Z/120	30337449	●
63	20	33	42	160	52	10	42	M16x1	5	1.6	16.306.63.20.Z/160	30337450	●
63	20	33	42	200	52	10	42	M16x1	5	2.3	16.306.63.20.Z/200	30526488	●
63	25	44	53	120	58	10	48	M16x1	5	1.7	16.306.63.25.Z/120	30337451	●
63	25	44	53	160	62	10	48	M16x1	5	2	16.306.63.25.Z/160	30337452	●
63	25	44	53	200	62	10	48	M16x1	5	3.2	16.306.63.25.Z/200	30526489	○
63	32	44	53	160	62	10	52	M16x1	5	1.9	16.306.63.32.Z/160	30337453	●
63	32	44	53	200	62	10	52	M16x1	5	3	16.306.63.32.Z/200	30526491	○

Shrink Chucks

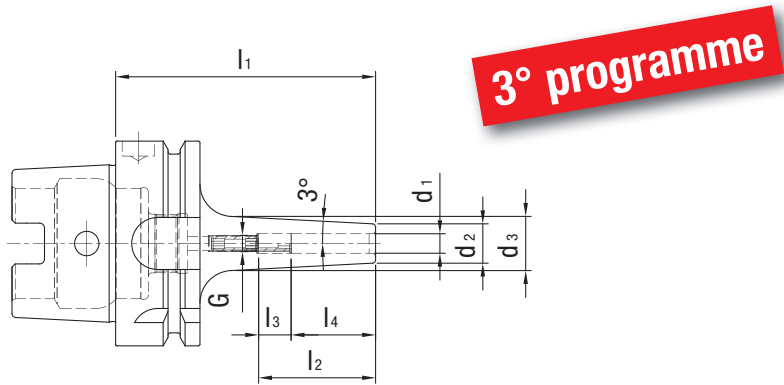
Dimensions in mm.
MQL-capable design possible on request.
Shrink extensions at the end of this chapter.

Spare parts and accessories at the end of this chapter.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Shrink Chuck DIN 69893-A

Narrow design, 3°



Nominal size HSK-A	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
63	3	9	14	80	28	16	12	M6	2	0.7	16.304.63.03.Z	30385288	●
63	4	10	15	80	28	12	16	M6	2	0.7	16.304.63.04.Z	30385291	●
63	5	11	16	80	30	10	20	M6	2	0.7	16.304.63.05.Z	30385294	●
63	6	12	17	80	36	10	26	M5	2.5	0.7	16.304.63.06.Z	30385297	●
63	8	14	19	80	36	10	26	M6	3	0.7	16.304.63.08.Z	30385300	●
63	10	16	21	85	41	10	31	M8x1	3	0.8	16.304.63.10.Z	30385303	●
63	12	18	24	90	47	10	37	M10x1	5	0.8	16.304.63.12.Z	30385306	●
63	14	20	26	90	47	10	37	M10x1	5	0.8	16.304.63.14.Z	30385309	●
63	16	22	28	95	50	10	40	M12x1	5	0.8	16.304.63.16.Z	30385312	●
63	18	24	30	95	50	10	40	M12x1	5	0.9	16.304.63.18.Z	30385315	●
63	20	26	33	100	52	10	42	M16x1	5	0.9	16.304.63.20.Z	30385318	●

Dimensions in mm.

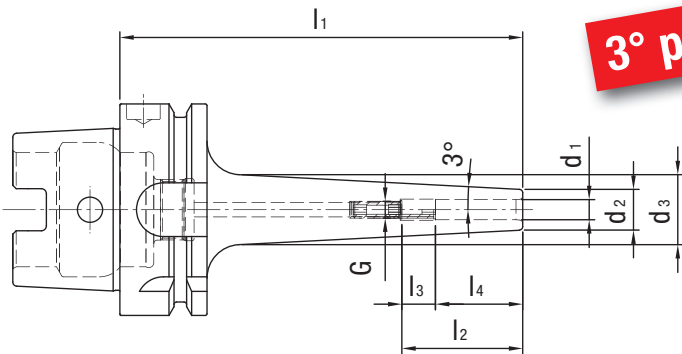
MQL-capable design possible on request.
Shrink extensions at the end of this chapter.

Spare parts and accessories at the end of this chapter.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Shrink Chuck DIN 69893-A

Long narrow design, 3°



Nominal size HSK-A	Dimensions								G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄							
63	3	9	16	120			12			0.8	16.304.63.03.Z/120	30385289	○	
63	3	9	19	160			12			0.8	16.304.63.03.Z/160	30385290	○	
63	3	9	19	200			12			0.9	16.304.63.03.Z/200	30596929	○	
63	4	10	17	120			16			0.8	16.304.63.04.Z/120	30385292	○	
63	4	10	20	160			16			0.9	16.304.63.04.Z/160	30385293	○	
63	4	10	20	200			16			1.0	16.304.63.04.Z/200	30596934	○	
63	5	11	18	120			20			0.8	16.304.63.05.Z/120	30385295	○	
63	5	11	21	160			20			0.9	16.304.63.05.Z/160	30385296	○	
63	5	11	21	200			20			1.0	16.304.63.05.Z/200	30596935	○	
63	6	12	21	120	36	10	26	M5	2.5	0.8	16.304.63.06.Z/120	30385298	○	
63	6	12	24	160	36	10	26	M5	2.5	0.9	16.304.63.06.Z/160	30385299	○	
63	6	12	24	200	36	10	26	M5	2.5	1.0	16.304.63.06.Z/200	30596937	○	
63	8	14	23	120	36	10	26	M6	3	0.8	16.304.63.08.Z/120	30385301	○	
63	8	14	26	160	36	10	26	M6	3	1	16.304.63.08.Z/160	30385302	○	
63	8	14	26	200	36	10	26	M6	3	1.1	16.304.63.08.Z/200	30596938	○	
63	10	16	25	120	41	10	31	M8x1	3	0.9	16.304.63.10.Z/120	30385304	○	
63	10	16	28	160	41	10	31	M8x1	3	1	16.304.63.10.Z/160	30385305	○	
63	10	16	28	200	41	10	31	M8x1	3	1.2	16.304.63.10.Z/200	30596939	○	
63	12	18	27	120	47	10	37	M10x1	5	0.9	16.304.63.12.Z/120	30385307	○	
63	12	18	30	160	47	10	37	M10x1	5	1.1	16.304.63.12.Z/160	30385308	○	
63	12	18	30	200	47	10	37	M10x1	5	1.3	16.304.63.12.Z/200	30596941	○	
63	14	20	29	120	47	10	37	M10x1	5	1	16.304.63.14.Z/120	30385310	○	
63	14	20	32	160	47	10	37	M10x1	5	1.2	16.304.63.14.Z/160	30385311	○	
63	14	20	32	200	47	10	37	M10x1	5	1.4	16.304.63.14.Z/200	30596943	○	
63	16	22	31	120	50	10	40	M12x1	5	1	16.304.63.16.Z/120	30385313	○	
63	16	22	34	160	50	10	40	M12x1	5	1.2	16.304.63.16.Z/160	30385314	○	
63	16	22	34	200	50	10	40	M12x1	5	1.5	16.304.63.16.Z/200	30596946	○	
63	18	24	33	120	50	10	40	M12x1	5	1	16.304.63.18.Z/120	30385316	○	
63	18	24	36	160	50	10	40	M12x1	5	1.3	16.304.63.18.Z/160	30385317	○	
63	18	24	36	200	50	10	40	M12x1	5	1.6	16.304.63.18.Z/200	30596947	○	
63	20	26	35	120	52	10	42	M16x1	5	1.1	16.304.63.20.Z/120	30385319	○	
63	20	26	38	160	52	10	42	M16x1	5	1.4	16.304.63.20.Z/160	30385320	○	
63	20	26	38	200	52	10	42	M16x1	8	1.7	16.304.63.20.Z/200	30596949	○	

Shrink Chucks

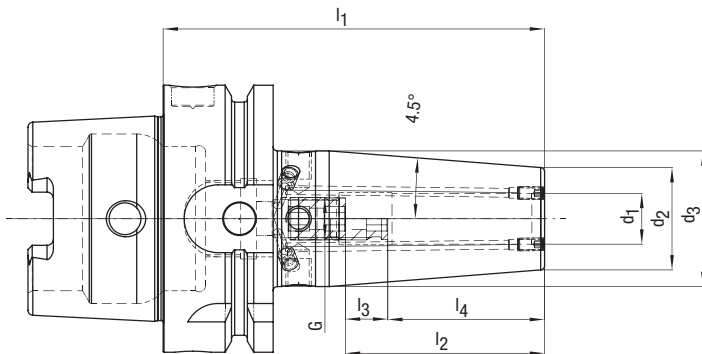
Dimensions in mm.
 MQL-capable design possible on request.
 Shrink extensions at the end of this chapter.

Spare parts and accessories at the end of this chapter.
 Custom designs available on request.

● These products are available in stock.
 ○ Standard tool not on stock (delivery time on request).

Shrink Chuck DIN 69893-A

With resealable coolant duct holes



Nominal size HSK-A	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
63	3	10	15	80	28	16	12	M6	2	0.7	16.306.63.03.KKB	30590796	●
63	4	15	22	80	28	12	16	M6	2	0.7	16.306.63.04.KKB	30590797	●
63	5	15	22	80	30	10	20	M6	2	0.7	16.306.63.05.KKB	30590798	●
63	6	21	27	80	36	10	26	M5	2.5	0.8	16.306.63.06.KKB	30589885	●
63	8	21	27	80	36	10	26	M6	3	0.8	16.306.63.08.KKB	30589886	●
63	10	24	32	85	41	10	31	M8x1	3	0.9	16.306.63.10.KKB	30589887	●
63	12	24	32	90	47	10	37	M10x1	5	0.9	16.306.63.12.KKB	30589888	●
63	14	27	34	90	47	10	37	M10x1	5	0.9	16.306.63.14.KKB	30589889	●
63	16	27	34	95	50	10	40	M12x1_KKB	5	1	16.306.63.16.KKB	30589890	●
63	18	33	42	95	50	10	40	M12x1_KKB	5	1.1	16.306.63.18.KKB	30589891	●
63	20	33	42	100	52	10	42	M16x1_KKB	5	1.1	16.306.63.20.KKB	30589892	●
63	25	44	53	115	58	10	48	M16x1_KKB	5	1.6	16.306.63.25.KKB	30589894	●
63	32	44	53	120	62	10	52	M16x1_KKB	5	1.6	16.306.63.32.KKB	30589895	●

Dimensions in mm.

MQL-capable design possible on request.

Standard design with two coolant duct holes..

Shrink extensions at the end of this chapter.

Spare parts and accessories at the end of this chapter.

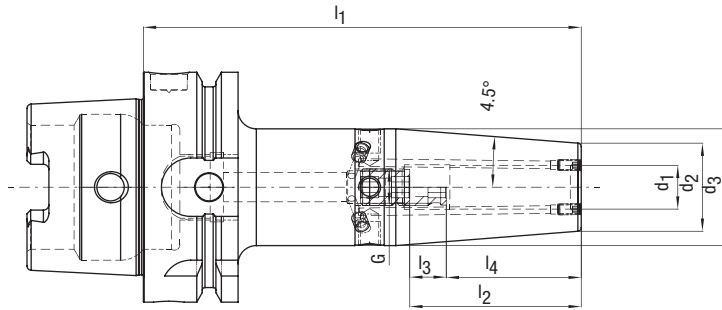
Custom designs available on request.

● These products are available in stock.

○ Standard tool not on stock (delivery time on request).

Shrink Chuck DIN 69893-A

Long design, with resealable coolant duct holes



Nominal size HSK-A	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
63	3	10	20	120			12			0.8	16.306.63.03.120.KKB	30590800	○
63	4	15	22	120			16			0.8	16.306.63.04.120.KKB	30590801	○
63	5	15	22	120			20			0.8	16.306.63.05.120.KKB	30590802	○
63	6	21	27	120	36	10	26	M5	2.5	1	16.306.63.06.120.KKB	30589896	○
63	8	21	27	120	36	10	26	M6	3	1	16.306.63.08.120.KKB	30589899	○
63	10	24	32	120	41	10	31	M8x1	3	1	16.306.63.10.120.KKB	30589900	○
63	12	24	32	120	47	10	37	M10x1	5	1	16.306.63.12.120.KKB	30589901	○
63	14	27	34	120	47	10	37	M10x1	5	1.1	16.306.63.14.120.KKB	30589902	○
63	16	27	34	120	50	10	40	M12x1_KKB	5	1.1	16.306.63.16.120.KKB	30589907	○
63	18	33	42	120	50	10	40	M12x1_KKB	5	1.3	16.306.63.18.120.KKB	30589908	○
63	20	33	42	120	52	10	42	M16x1_KKB	5	1.3	16.306.63.20.120.KKB	30589909	○
63	25	44	53	120	58	10	48	M16x1_KKB	5	1.7	16.306.63.25.120.KKB	30589910	○

Shrink Chucks

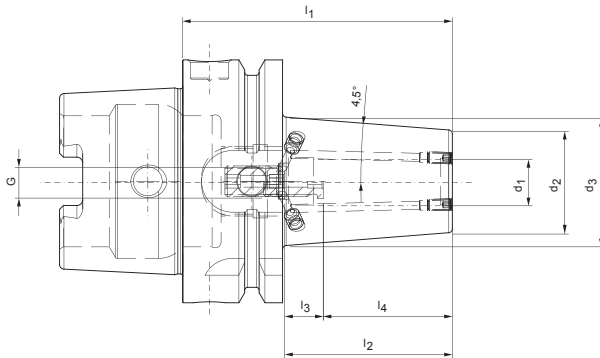
Dimensions in mm.
 MQL-capable design possible on request.
 Standard design with two coolant duct holes..

Shrink extensions at the end of this chapter.
 Spare parts and accessories at the end of this chapter.

Custom designs available on request.
 ● These products are available in stock.
 ○ Standard tool not on stock (delivery time on request).

Shrink Chuck Volume Shrink DIN 69893-A

With resealable coolant duct holes



Nominal size HSK-A	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
63	6	22	28.8	70	36	10	26	M5_KKB	2.5	0.8	16.307.63.06.KKB	30655242	●
63	8	22	28.8	70	36	10	26	M6_KKB	3	0.8	16.307.63.08.KKB	30655243	●
63	10	26.5	33.3	70	36	5	31	M8x1_KKB	3	0.9	16.307.63.10.KKB	30655244	●
63	12	26.5	33.3	70	40	3	37	M8x1_KKB	3	0.9	16.307.63.12.KKB	30655245	●
63	16	29.5	37.1	75	45	5	40	M8x1_KKB	3	0.9	16.307.63.16.KKB	30655246	●
63	20	35.5	43.1	75	45	3	52	M8x1_KKB	3	1	16.307.63.20.KKB	30655247	●
63	25	45	52.5	85	53	5	48	M8x1_KKB	3	1.3	16.307.63.25.KKB	30655248	●
63	32	45	52.5	85	55	3	52	M8x1_KKB	3	1.2	16.307.63.32.KKB	30655249	●

Dimensions in mm.

MQL-capable design possible on request.

Standard design with two coolant duct holes..

Shrink extensions at the end of this chapter.

Spare parts and accessories at the end of this chapter.

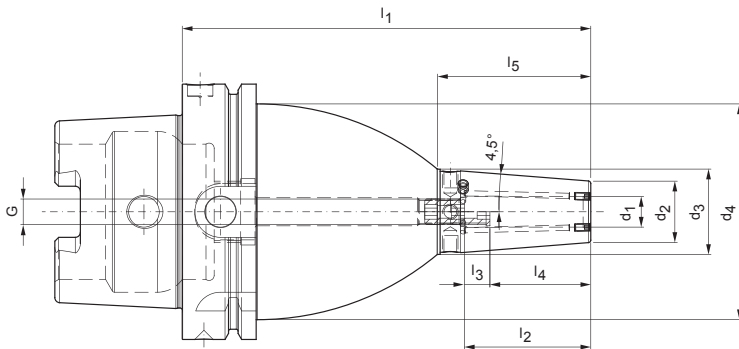
Custom designs available on request.

● These products are available in stock.

○ Standard tool not on stock (delivery time on request).

Shrink Chuck Volume Shrink DIN 69893-A

Long design, with resealable coolant duct holes



Nominal size HSK-A	Dimensions					G	sw	Weight kg	Order designation	Order No.	Stock				
	d ₁	d ₂	d ₃	d ₄	l ₁							l ₂	l ₃	l ₄	l ₅
63	6	21	28.8	52.5	120	36	10	26	51	M5_KKB	2.5	1.3	16.307.63.06.120.KKB	30655250	●
63	8	21	28.8	52.5	120	36	10	26	51	M6_KKB	3	1.3	16.307.63.08.120.KKB	30655251	●
63	10	24	33.3	52.5	120	41	10	31	55	M8x1_KKB	3	1.4	16.307.63.10.120.KKB	30655252	●
63	12	24	33.3	52.5	120	47	10	37	60	M10x1_KKB	3	1.4	16.307.63.12.120.KKB	30655253	●
63	16	27	37.1	52.5	120	50	10	40	63	M12x1_KKB	5	1.4	16.307.63.16.120.KKB	30655254	●
63	20	33	43.1	52.5	120	52	10	42	65	M16x1_KKB	5	1.5	16.307.63.20.120.KKB	30655255	●
63	25	44	52.5	52.5	120	58	10	48	54	M16x1_KKB	5	1.7	16.307.63.25.120.KKB	30655256	●
63	32	44	52.5	52.5	120	62	10	52	54	M16x1_KKB	5	1.7	16.307.63.32.120.KKB	30655257	●

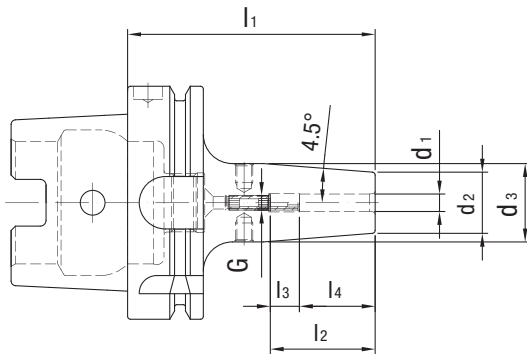
Shrink Chucks

Dimensions in mm.
 MQL-capable design possible on request.
 Standard design with two coolant duct holes..

Shrink extensions at the end of this chapter.
 Spare parts and accessories at the end of this chapter.

Custom designs available on request.
 ● These products are available in stock.
 ○ Standard tool not on stock (delivery time on request).

Shrink Chuck DIN 69893-A



Nominal size HSK-A	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
80	6	21	27	85	36	10	26	M5	2.5	1.2	16.306.80.06.Z	30337454	○
80	8	21	27	85	36	10	26	M6	3	1.2	16.306.80.08.Z	30337457	○
80	10	24	32	90	41	10	31	M8x1	3	1.3	16.306.80.10.Z	30337460	○
80	12	24	32	95	47	10	37	M10x1	5	1.3	16.306.80.12.Z	30337463	○
80	14	27	34	95	47	10	37	M10x1	5	1.4	16.306.80.14.Z	30337466	○
80	16	27	34	100	50	10	40	M12x1	5	1.5	16.306.80.16.Z	30337469	○
80	18	33	42	100	50	10	40	M12x1	5	1.5	16.306.80.18.Z	30337472	○
80	20	33	42	105	52	10	42	M16x1	8	1.7	16.306.80.20.Z	30337475	○
80	25	44	53	115	58	10	48	M16x1	8	2.5	16.306.80.25.Z	30337478	○
80	32	44	53	120	62	10	52	M16x1	8	2.9	16.306.80.32.Z	30337481	○

Dimensions in mm.

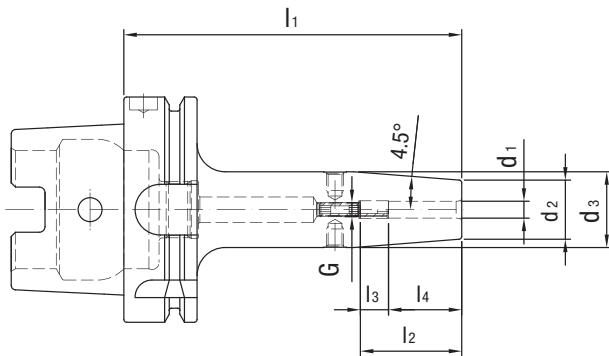
MQL-capable design possible on request.
Shrink extensions at the end of this chapter.

Spare parts and accessories at the end of this chapter.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Shrink Chuck DIN 69893-A

Long design



Nominal size HSK-A	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
80	6	21	27	120	36	10	26	M5	2.5	1.5	16.306.80.06.Z/120	30337455	○
80	6	21	27	160	36	10	26	M5	2.5	1.8	16.306.80.06.Z/160	30337456	○
80	6	21	27	200	36	10	26	M5	2.5	1.8	16.306.80.06.Z/200	30595858	○
80	8	21	27	120	36	10	26	M6	3	1.5	16.306.80.08.Z/120	30337458	○
80	8	21	27	160	36	10	26	M6	3	1.8	16.306.80.08.Z/160	30337459	○
80	8	21	27	200	36	10	26	M6	3	1.8	16.306.80.08.Z/200	30595861	○
80	10	24	32	120	41	10	31	M8x1	3	1.6	16.306.80.10.Z/120	30337461	○
80	10	24	32	160	41	10	31	M8x1	3	2	16.306.80.10.Z/160	30337462	○
80	10	24	32	200	41	10	31	M8x1	3	2	16.306.80.10.Z/200	30595864	○
80	12	24	32	120	47	10	36	M10x1	5	1.6	16.306.80.12.Z/120	30337464	○
80	12	24	32	160	47	10	36	M10x1	5	2	16.306.80.12.Z/160	30337465	○
80	12	24	32	200	47	10	36	M10x1	5	2	16.306.80.12.Z/200	30595871	○
80	14	27	34	120	47	10	36	M10x1	5	1.7	16.306.80.14.Z/120	30337467	○
80	14	27	34	160	47	10	36	M10x1	5	2.1	16.306.80.14.Z/160	30337468	○
80	14	27	34	200	47	10	36	M10x1	5	2.1	16.306.80.14.Z/200	30595873	○
80	16	27	34	120	50	10	39	M12x1	5	1.8	16.306.80.16.Z/120	30337470	○
80	16	27	34	160	50	10	39	M12x1	5	2.1	16.306.80.16.Z/160	30337471	○
80	16	27	34	200	50	10	39	M12x1	5	2.1	16.306.80.16.Z/200	30595874	○
80	18	33	42	120	50	10	39	M12x1	5	1.9	16.306.80.18.Z/120	30337473	○
80	18	33	42	160	50	10	39	M12x1	5	2.2	16.306.80.18.Z/160	30337474	○
80	18	33	42	200	50	10	39	M12x1	5	2.6	16.306.80.18.Z/200	30595876	○
80	20	33	42	120	52	10	41	M16x1	8	2	16.306.80.20.Z/120	30337476	○
80	20	33	42	160	52	10	41	M16x1	8	2.3	16.306.80.20.Z/160	30337477	○
80	20	33	42	200	52	10	41	M16x1	8	2.7	16.306.80.20.Z/200	30595877	○
80	25	44	53	120	58	10	47	M16x1	8	2.6	16.306.80.25.Z/120	30337479	○
80	25	44	53	160	58	10	47	M16x1	8	2.9	16.306.80.25.Z/160	30337480	○
80	25	44	53	200	58	10	47	M16x1	8	3.6	16.306.80.25.Z/200	30595880	○
80	32	44	53	160	62	10	51	M16x1	8	3.2	16.306.80.32.Z/160	30337482	○
80	32	44	53	200	62	10	51	M16x1	8	3.5	16.306.80.32.Z/200	30595882	○

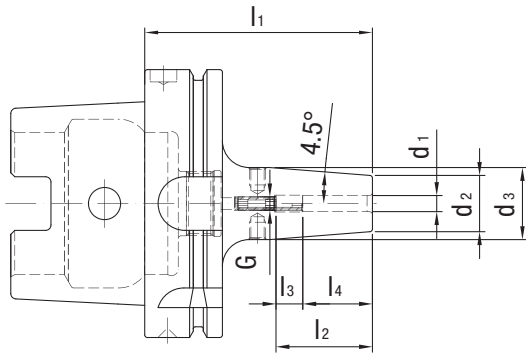
Dimensions in mm.

MQL-capable design possible on request.
Shrink extensions at the end of this chapter.

Spare parts and accessories at the end of this chapter.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Shrink Chuck DIN 69893-A



Nominal size HSK-A	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
100	6	21	27	85	36	10	26	M5	2.5	2.2	16.306.100.06.Z	30337331	●
100	8	21	27	85	36	10	26	M6	3	2.2	16.306.100.08.Z	30337334	●
100	10	24	32	90	41	10	31	M8x1	3	2.3	16.306.100.10.Z	30337337	●
100	12	24	32	95	47	10	37	M10x1	5	2.2	16.306.100.12.Z	30337340	●
100	14	27	34	95	47	10	37	M10x1	5	2.3	16.306.100.14.Z	30337343	●
100	16	27	34	100	50	10	40	M12x1	5	2.3	16.306.100.16.Z	30337346	●
100	18	33	42	100	50	10	40	M12x1	5	2.5	16.306.100.18.Z	30337349	●
100	20	33	42	105	52	10	42	M16x1	8	2.5	16.306.100.20.Z	30337352	●
100	25	44	53	115	58	10	48	M16x1	8	3.1	16.306.100.25.Z	30337355	●
100	32	44	53	120	62	10	52	M16x1	8	3	16.306.100.32.Z	30337358	●

Dimensions in mm.

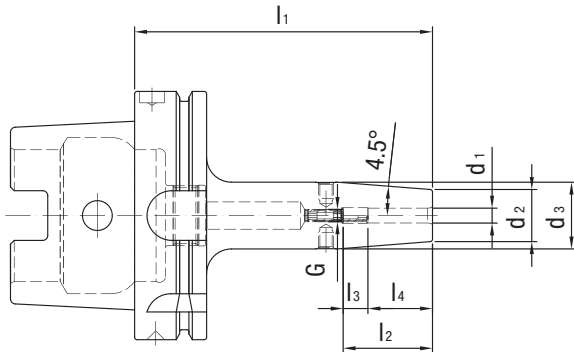
MQL-capable design possible on request.
Shrink extensions at the end of this chapter.

Spare parts and accessories at the end of this chapter.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Shrink Chuck DIN 69893-A

Long design



Nominal size HSK-A	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
100	6	21	27	120	36	10	26	M5	2.5	2.4	16.306.100.06.Z/120	30337332	●
100	6	21	27	160	36	10	26	M5	2.5	2.6	16.306.100.06.Z/160	30337333	●
100	6	21	27	200	36	10	26	M5	2.5	2.7	16.306.100.06.Z/200	30530904	○
100	8	21	27	120	36	10	26	M6	3	2.4	16.306.100.08.Z/120	30337335	●
100	8	21	27	160	36	10	26	M6	3	2.6	16.306.100.08.Z/160	30337336	●
100	8	21	27	200	36	10	26	M6	3	2.7	16.306.100.08.Z/200	30530906	○
100	10	24	32	120	41	10	31	M8x1	3	2.5	16.306.100.10.Z/120	30337338	●
100	10	24	32	160	41	10	31	M8x1	3	2.7	16.306.100.10.Z/160	30337339	●
100	10	24	32	200	41	10	31	M8x1	3	2.9	16.306.100.10.Z/200	30408832	○
100	12	24	32	120	47	10	37	M10x1	5	2.5	16.306.100.12.Z/120	30337341	●
100	12	24	32	160	47	10	37	M10x1	5	2.7	16.306.100.12.Z/160	30337342	●
100	12	24	32	200	47	10	37	M10x1	5	2.7	16.306.100.12.Z/200	30530907	○
100	14	27	34	120	47	10	37	M10x1	5	2.5	16.306.100.14.Z/120	30337344	●
100	14	27	34	160	47	10	37	M10x1	5	2.7	16.306.100.14.Z/160	30337345	●
100	14	27	34	200	47	10	37	M10x1	5	3	16.306.100.14.Z/200	30530909	○
100	16	27	34	120	50	10	40	M12x1	5	2.6	16.306.100.16.Z/120	30337347	●
100	16	27	34	160	50	10	40	M12x1	5	2.9	16.306.100.16.Z/160	30337348	●
100	16	27	34	200	50	10	40	M12x1	5	3	16.306.100.16.Z/200	30530910	○
100	18	33	42	120	50	10	40	M12x1	5	2.7	16.306.100.18.Z/120	30337350	●
100	18	33	42	160	50	10	40	M12x1	5	3	16.306.100.18.Z/160	30337351	●
100	18	33	42	200	50	10	40	M12x1	5	3.6	16.306.100.18.Z/200	30530911	○
100	20	33	42	120	52	10	42	M16x1	8	3	16.306.100.20.Z/120	30337353	●
100	20	33	42	160	52	10	42	M16x1	8	3.4	16.306.100.20.Z/160	30337354	●
100	20	33	42	200	52	10	42	M16x1	8	3.6	16.306.100.20.Z/200	30530912	○
100	25	44	53	120	58	10	48	M16x1	8	3.2	16.306.100.25.Z/120	30337356	●
100	25	44	53	160	58	10	48	M16x1	8	3.6	16.306.100.25.Z/160	30337357	●
100	25	44	53	200	58	10	48	M16x1	8	4.5	16.306.100.25.Z/200	30530913	○
100	32	44	53	160	62	10	52	M16x1	8	3.3	16.306.100.32.Z/160	30337359	●
100	32	44	53	200	62	10	52	M16x1	8	4.4	16.306.100.32.Z/200	30530916	○

Shrink Chucks

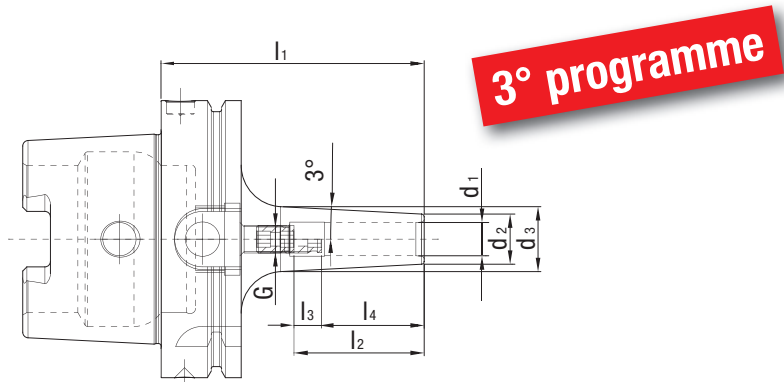
Dimensions in mm.
 MQL-capable design possible on request.
 Shrink extensions at the end of this chapter.

Spare parts and accessories at the end of this chapter.
 Custom designs available on request.

● These products are available in stock.
 ○ Standard tool not on stock (delivery time on request).

Shrink Chuck DIN 69893-A

Narrow design, 3°



Nominal size HSK-A	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
100	6	12	17	85	36	10	26	M5	2.5	2.1	16.304.100.06.Z	30597883	○
100	8	14	19	85	36	10	26	M6	3	2.1	16.304.100.08.Z	30597886	○
100	10	16	21	90	41	10	31	M8x1	3	2.1	16.304.100.10.Z	30597889	○
100	12	18	24	95	47	10	36	M10x1	5	2.1	16.304.100.12.Z	30597890	○
100	14	20	26	95	47	10	36	M10x1	5	2.2	16.304.100.14.Z	30597891	○
100	16	22	28	100	50	10	39	M12x1	5	2.2	16.304.100.16.Z	30597892	○
100	18	24	30	100	50	10	39	M12x1	5	2.3	16.304.100.18.Z	30597894	○
100	20	27	34	105	52	10	41	M16x1	8	2.3	16.304.100.20.Z	30597896	○

Dimensions in mm.

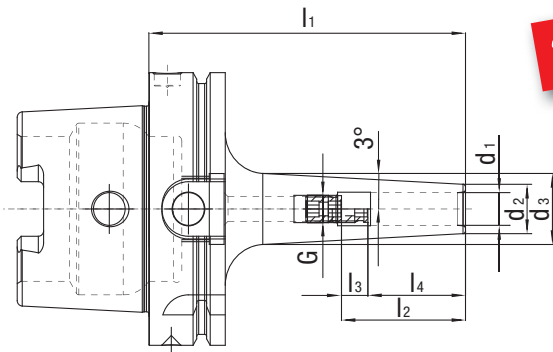
MQL-capable design possible on request.
Shrink extensions at the end of this chapter.

Spare parts and accessories at the end of this chapter.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Shrink Chuck DIN 69893-A

Long narrow design, 3°



3° programme



Nominal size HSK-A	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
100	6	12	20	120	36	10	26	M5	2.5	2.2	16.304.100.06.Z/120	30597904	○
100	6	12	23	160	36	10	26	M5	2.5	2.3	16.304.100.06.Z/160	30597918	○
100	6	12	27	200	36	10	26	M5	2.5	2.5	16.304.100.06.Z/200	30597934	○
100	8	14	22	120	36	10	26	M6	3	2.2	16.304.100.08.Z/120	30597906	○
100	8	14	25	160	36	10	26	M6	3	2.3	16.304.100.08.Z/160	30597921	○
100	8	14	27	200	36	10	26	M6	3	2.5	16.304.100.08.Z/200	30597935	○
100	10	16	24	120	41	10	31	M8x1	3	2.2	16.304.100.10.Z/120	30597909	○
100	10	16	27	160	41	10	31	M8x1	3	2.4	16.304.100.10.Z/160	30597923	○
100	10	16	31	200	41	10	31	M8x1	3	2.5	16.304.100.10.Z/200	30597937	○
100	12	18	26	120	47	10	36	M10x1	5	2.3	16.304.100.12.Z/120	30597911	○
100	12	18	29	160	47	10	36	M10x1	5	2.5	16.304.100.12.Z/160	30597924	○
100	12	18	32	200	47	10	37	M10x1	5	2.6	16.304.100.12.Z/200	30597939	○
100	14	20	28	120	47	10	36	M10x1	5	2.3	16.304.100.14.Z/120	30597912	○
100	14	20	30	160	47	10	36	M10x1	5	2.5	16.304.100.14.Z/160	30597926	○
100	14	20	34	200	47	10	37	M10x1	5	2.7	16.304.100.14.Z/200	30597941	○
100	16	22	30	120	50	10	39	M12x1	5	2.3	16.304.100.16.Z/120	30597913	○
100	16	22	32	160	50	10	39	M12x1	5	2.6	16.304.100.16.Z/160	30597927	○
100	16	22	34	200	50	10	40	M12x1	5	2.8	16.304.100.16.Z/200	30597943	○
100	18	24	32	120	50	10	39	M12x1	5	2.4	16.304.100.18.Z/120	30597915	○
100	18	24	36	160	50	10	39	M12x1	5	2.7	16.304.100.18.Z/160	30597929	○
100	18	24	40	200	50	10	40	M12x1	5	3.0	16.304.100.18.Z/200	30597944	○
100	20	27	35	120	52	10	41	M16x1	8	2.4	16.304.100.20.Z/120	30597917	○
100	20	27	42	160	52	10	41	M16x1	8	2.8	16.304.100.20.Z/160	30597931	○
100	20	27	42	200	52	10	42	M16x1	8	3.2	16.304.100.20.Z/200	30597945	○

Shrink Chucks

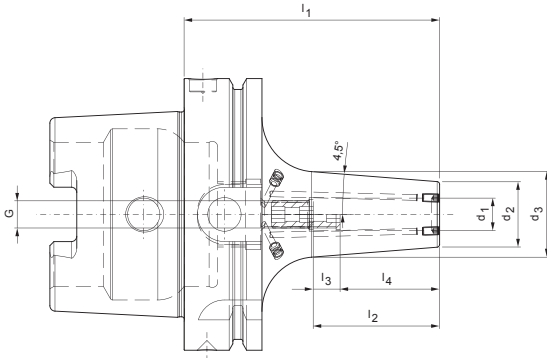
Dimensions in mm.
MQL-capable design possible on request.
Shrink extensions at the end of this chapter.

Spare parts and accessories at the end of this chapter.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Shrink Chuck Volume Shrink DIN 69893-A

With resealable coolant duct holes



Nominal size HSK-A	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
100	6	21	28.8	85	36	10	26	M5	2.5	2.2	16.307.100.06.KKB	30655258	●
100	8	21	28.8	85	36	10	26	M6	3	2.3	16.307.100.08.KKB	30655259	●
100	10	24	33.3	90	41	10	31	M8x1	3	2.3	16.307.100.10.KKB	30655260	●
100	12	24	33.3	95	47	10	37	M10x1	3	2.4	16.307.100.12.KKB	30655261	●
100	16	27	37.1	100	50	10	40	M12x1_KKB	5	2.4	16.307.100.16.KKB	30655262	●
100	20	33	43.1	105	52	10	42	M16x1_KKB	5	2.6	16.307.100.20.KKB	30655263	●
100	25	44	52.5	115	58	10	48	M16x1_KKB	5	3.1	16.307.100.25.KKB	30655264	●
100	32	44	52.5	120	62	10	52	M16x1_KKB	5	3	16.307.100.32.KKB	30655265	●

Dimensions in mm.

MQL-capable design possible on request.

Standard design with two coolant duct holes..

Shrink extensions at the end of this chapter.

Spare parts and accessories at the end of this chapter.

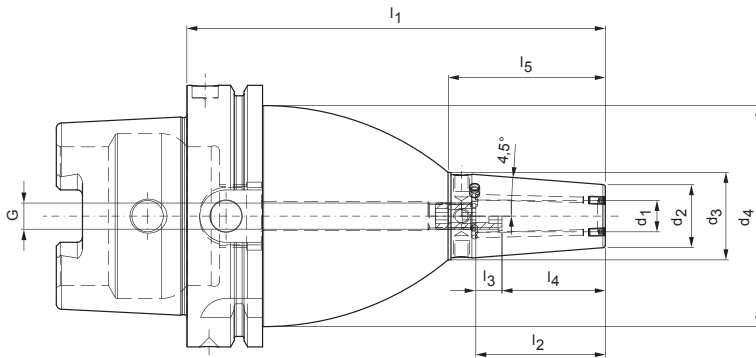
Custom designs available on request.

● These products are available in stock.

○ Standard tool not on stock (delivery time on request).

Shrink Chuck Volume Shrink DIN 69893-A

Long design, with resealable coolant duct holes



Nominal size HSK-A	Dimensions										G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	d ₄	l ₁	l ₂	l ₃	l ₄	l ₅							
100	6	21	29	84.5	160	36	10	26	51	M5_KKB	2.5	4.4	16.307.100.06.160.KKB	30655266	●	
100	8	21	29	84.5	160	36	10	26	51	M6_KKB	3	4.4	16.307.100.08.160.KKB	30655267	●	
100	10	24	32.7	84.5	160	41	10	31	55	M8x1_KKB	3	4.4	16.307.100.10.160.KKB	30655268	●	
100	12	24	33.4	84.5	160	47	10	37	60	M10x1_KKB	5	4.4	16.307.100.12.160.KKB	30655269	●	
100	16	27	37.2	84.5	160	50	10	40	65	M12x1_KKB	5	4.4	16.307.100.16.160.KKB	30655270	●	
100	20	33	44	84.5	160	52	10	52	70	M16x1_KKB	5	4.4	16.307.100.20.160.KKB	30655271	●	
100	25	44	55.8	84.5	160	58	10	48	75	M16x1_KKB	5	4.8	16.307.100.25.160.KKB	30655272	●	
100	32	44	56.6	84.5	160	62	10	52	80	M16x1_KKB	5	4.6	16.307.100.32.160.KKB	30655273	●	

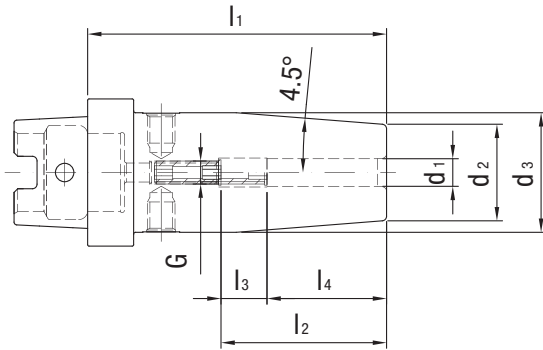
Shrink Chucks

Dimensions in mm.
 MQL-capable design possible on request.
 Standard design with two coolant duct holes..

Shrink extensions at the end of this chapter.
 Spare parts and accessories at the end of this chapter.

Custom designs available on request.
 ● These products are available in stock.
 ○ Standard tool not on stock (delivery time on request).

Shrink Chuck DIN 69893-C



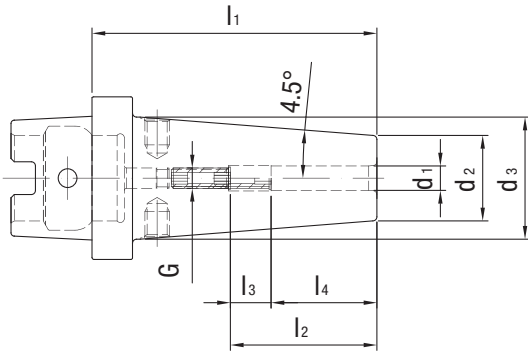
Nominal size HSK-C	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
32	3	10	15	60	22	10	12	M5	2	0.2	23.306.32.03.Z	30337760	○
32	4	10	15	60	26	10	16	M5	2	0.2	23.306.32.04.Z	30337761	○
32	5	10	15	60	30	10	20	M6	2	0.2	23.306.32.05.Z	30337762	○
32	6	21	26	65	36	10	26	M5	2.5	0.3	23.306.32.06.Z	30337763	○
32	8	21	26	65	36	10	26	M6	3	0.3	23.306.32.08.Z	30337764	○
32	10	24	30	65	41	10	31	M8x1	3	0.4	23.306.32.10.Z	30337765	○
32	12	24	32	75	47	10	37	M10x1	5	0.4	23.306.32.12.Z	30337766	○

Dimensions in mm.
Shrink extensions at the end of this chapter.

Spare parts and accessories at the end of this chapter.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Shrink Chuck DIN 69893-C



Nominal size HSK-C	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
40	3	10	15	60	28	16	12	M6	2	0.3	23.306.40.03.Z	30385045	○
40	4	10	15	60	28	12	16	M6	2	0.3	23.306.40.04.Z	30385046	○
40	5	10	15	60	30	10	20	M6	2	0.3	23.306.40.05.Z	30385047	○
40	6	21	30	70	36	10	26	M5	2.5	0.4	23.306.40.06.Z	30337767	○
40	8	21	30	70	36	10	26	M6	3	0.4	23.306.40.08.Z	30337768	○
40	10	24	33.5	70	41	10	31	M8x1	3	0.5	23.306.40.10.Z	30337769	○
40	12	24	35	80	47	10	37	M10x1	5	0.5	23.306.40.12.Z	30337770	○
40	14	27	38	80	47	10	37	M10x1	5	0.5	23.306.40.14.Z	30337771	○
40	16	27	38	80	50	10	40	M12x1	5	0.6	23.306.40.16.Z	30337772	○

Shrink Chucks

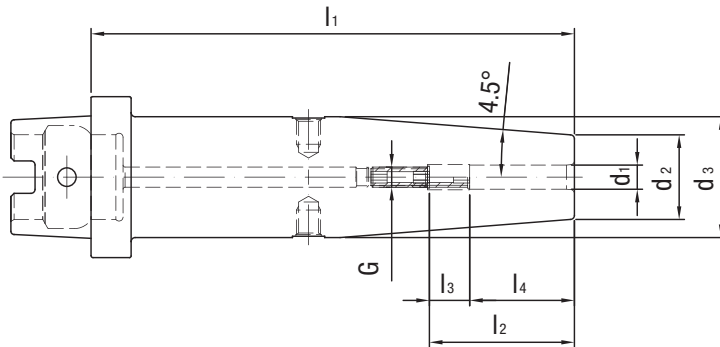
Dimensions in mm.
Shrink extensions at the end of this chapter.

Spare parts and accessories at the end of this chapter.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Shrink Chuck DIN 69893-C

Long design



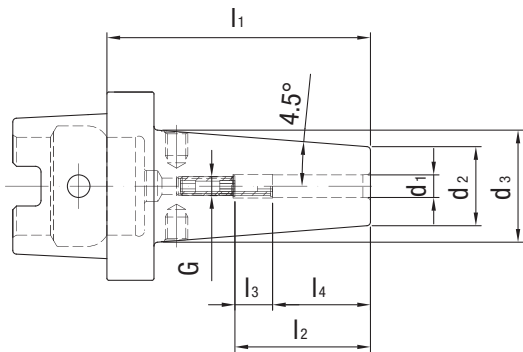
Nominal size HSK-C	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
40	3	10	20	120			12			0.4	23.306.40.03.Z/120	30385049	○
40	3	10	20	160			12			0.5	23.306.40.03.Z/160	30385064	○
40	4	15	22	120			16			0.4	23.306.40.04.Z/120	30385051	○
40	4	15	22	160			16			0.5	23.306.40.04.Z/160	30385072	○
40	5	15	22	120			20			0.4	23.306.40.05.Z/120	30385053	○
40	5	15	22	160			20			0.5	23.306.40.05.Z/160	30385077	○
40	6	21	30	120	36	10	26	M5	2.5	0.5	23.306.40.06.Z/120	30385055	○
40	6	21	30	160	36	10	26	M5	2.5	0.6	23.306.40.06.Z/160	30385078	○
40	8	21	30	120	36	10	26	M6	3	0.5	23.306.40.08.Z/120	30385056	○
40	8	21	30	160	36	10	26	M6	3	0.6	23.306.40.08.Z/160	30385081	○
40	10	24	33.5	120	41	10	31	M8x1	3	0.6	23.306.40.10.Z/120	30385057	○
40	10	24	33.5	160	41	10	31	M8x1	3	0.7	23.306.40.10.Z/160	30385086	○
40	12	24	35	120	47	10	37	M10x1	5	0.6	23.306.40.12.Z/120	30385058	○
40	12	24	35	160	47	10	37	M10x1	5	0.7	23.306.40.12.Z/160	30385088	○
40	14	27	38	120	47	10	37	M10x1	5	0.6	23.306.40.14.Z/120	30385059	○
40	14	27	38	160	47	10	37	M10x1	5	0.7	23.306.40.14.Z/160	30385089	○
40	16	27	38	120	50	10	40	M12x1	5	0.7	23.306.40.16.Z/120	30385061	○
40	16	27	38	160	50	10	40	M12x1	5	0.8	23.306.40.16.Z/160	30385090	○

Dimensions in mm.
Shrink extensions at the end of this chapter.

Spare parts and accessories at the end of this chapter.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Shrink Chuck DIN 69893-C



Nominal size HSK-C	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
50	3	10	15	70	28	16	12	M6	2	0.4	23.306.50.03.Z	30385096	○
50	4	15	22	70	28	12	16	M6	2	0.4	23.306.50.04.Z	30385098	○
50	5	15	22	70	30	10	20	M6	2	0.4	23.306.50.05.Z	30385101	○
50	6	21	30	70	36	10	26	M5	2.5	0.6	23.306.50.06.Z	30337773	○
50	8	21	30	70	36	10	26	M6	3	0.6	23.306.50.08.Z	30337776	○
50	10	24	33	75	41	10	31	M8x1	3	0.6	23.306.50.10.Z	30337777	○
50	12	24	34	80	47	10	37	M10x1	5	0.7	23.306.50.12.Z	30337778	○
50	14	27	37	80	47	10	37	M10x1	5	0.7	23.306.50.14.Z	30337779	○
50	16	27	38.5	85	50	10	40	M12x1	5	0.7	23.306.50.16.Z	30337780	○
50	18	33	44.5	85	50	10	40	M12x1	5	0.8	23.306.50.18.Z	30337781	○
50	20	33	45	90	52	10	42	M16x1	5	0.8	23.306.50.20.Z	30337782	○

Shrink Chucks

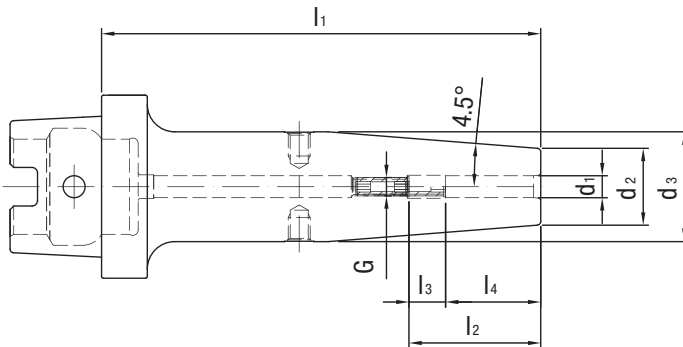
Dimensions in mm.
Shrink extensions at the end of this chapter.

Spare parts and accessories at the end of this chapter.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Shrink Chuck DIN 69893-C

Long design



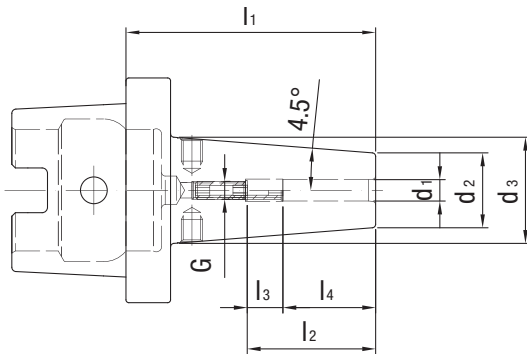
Nominal size HSK-C	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
50	3	10	20	120			12			0.5	23.306.50.03.Z/120	30385103	○
50	3	10	20	160			12			0.5	23.306.50.03.Z/160	30385130	○
50	4	15	22	120			16			0.5	23.306.50.04.Z/120	30385105	○
50	4	15	22	160			16			0.5	23.306.50.04.Z/160	30385132	○
50	5	15	22	120			20			0.5	23.306.50.05.Z/120	30385106	○
50	5	15	22	160			20			0.5	23.306.50.05.Z/160	30385138	○
50	6	21	30	120	36	10	26	M5	2.5	0.7	23.306.50.06.Z/120	30337774	○
50	6	21	30	160	36	10	26	M5	2.5	0.8	23.306.50.06.Z/160	30337775	○
50	8	21	30	120	36	10	26	M6	3	0.7	23.306.50.08.Z/120	30385108	○
50	8	21	30	160	36		26	M6	3	0.8	23.306.50.08.Z/160	30385140	○
50	10	24	33	120	41	10	31	M8x1	3	0.7	23.306.50.10.Z/120	30385110	○
50	10	24	33	160	41	10	31	M8x1	3	0.8	23.306.50.10.Z/160	30385141	○
50	12	24	34	120	47	10	37	M10x1	5	0.8	23.306.50.12.Z/120	30385112	○
50	12	24	34	160	47	10	37	M10x1	5	0.9	23.306.50.12.Z/160	30385142	○
50	14	27	37	120	47	10	37	M10x1	5	0.8	23.306.50.14.Z/120	30385113	○
50	14	27	37	160	47	10	37	M10x1	5	0.9	23.306.50.14.Z/160	30385254	○
50	16	27	38.5	120	50	10	40	M12x1	5	0.8	23.306.50.16.Z/120	30385120	○
50	16	27	38.5	160	50	10	40	M12x1	5	0.9	23.306.50.16.Z/160	30385255	○
50	18	33	44.5	120	50	10	40	M12x1	5	0.9	23.306.50.18.Z/120	30385124	○
50	18	33	44.5	160	50	10	40	M12x1	5	1	23.306.50.18.Z/100	30385257	○
50	20	33	45	120	52	10	42	M16x1	5	0.9	23.306.50.20.Z/120	30385126	○
50	20	33	45	160	52	10	42	M16x1	5	1	23.306.50.20.Z/160	30385258	○

Dimensions in mm.
Shrink extensions at the end of this chapter.

Spare parts and accessories at the end of this chapter.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Shrink Chuck DIN 69893-C



Nominal size HSK-C	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
63	3	10	15	70	28	16	12	M6	2	0.6	23.306.63.03.Z	30385259	○
63	4	15	22	70	28	12	16	M6	2	0.6	23.306.63.04.Z	30337783	○
63	5	15	22	70	30	10	20	M6	2	0.6	23.306.63.05.Z	30385260	○
63	6	21	30	70	36	10	26	M5	2.5	0.7	23.306.63.06.Z	30337784	○
63	8	21	30	70	36	10	26	M6	3	0.7	23.306.63.08.Z	30337786	○
63	10	24	34	75	41	10	31	M8x1	3	0.8	23.306.63.10.Z	30337788	○
63	12	24	34	80	47	10	37	M10x1	5	0.8	23.306.63.12.Z	30337791	○
63	14	27	36	80	47	10	37	M10x1	5	0.8	23.306.63.14.Z	30337792	○
63	16	27	36	85	50	10	40	M12x1	5	0.8	23.306.63.16.Z	30337793	○
63	18	33	44	85	50	10	40	M12x1	5	1	23.306.63.18.Z	30337795	○
63	20	33	45	90	52	10	42	M16x1	5	1	23.306.63.20.Z	30337797	○
63	25	44	53	100	58	10	48	M16x1	5	1.4	23.306.63.25.Z	30337798	○
63	32	44	53	110	62	10	52	M16x1	5	1.5	23.306.63.32.Z	30337799	○

Shrink Chucks

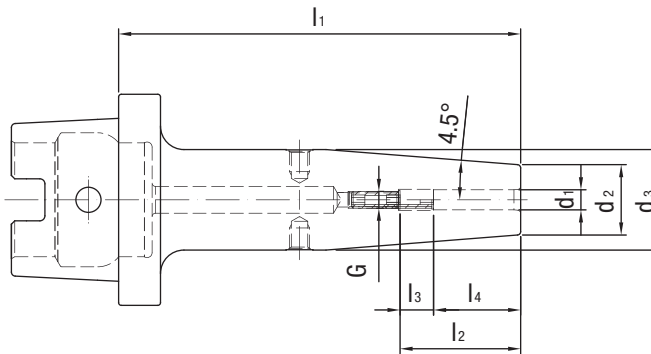
Dimensions in mm.
Shrink extensions at the end of this chapter.

Spare parts and accessories at the end of this chapter.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Shrink Chuck DIN 69893-C

Long design



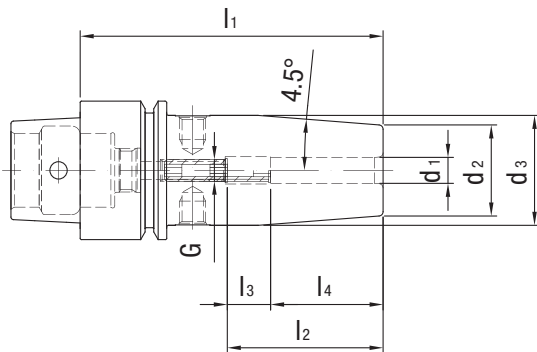
Nominal size HSK-C	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
63	3	10	20	120			12			0.7	23.306.63.03.Z/120	30385261	○
63	3	10	20	160			12			0.8	23.306.63.03.Z/160	30386160	○
63	4	15	22	120			16			0.7	23.306.63.04.Z/120	30385262	○
63	4	15	22	160			16			0.8	23.306.63.04.Z/160	30386161	○
63	5	15	22	120			20			0.7	23.306.63.05.Z/120	30385263	○
63	5	15	22	160			20			0.8	23.306.63.05.Z/160	30386164	○
63	6	21	30	120	36	10	26	M5	2.5	0.8	23.306.63.06.Z/120	30337785	○
63	6	21	30	160	36	10	26	M5	2.5	0.9	23.306.63.06.Z/160	30386167	○
63	8	21	30	120	36	10	26	M6	3	0.8	23.306.63.08.Z/120	30337787	○
63	8	21	27	160	36	10	26	M6	3	0.9	23.306.63.08.Z/160	30386168	○
63	10	24	34	120	41	10	31	M8x1	3	0.9	23.306.63.10.Z/120	30337789	○
63	10	24	34	160	41	10	31	M8x1	3	1	23.306.63.10.Z/160	30337790	○
63	12	24	34	120	47	10	37	M10x1	5	0.9	23.306.63.12.Z/120	30385264	○
63	12	24	34	160	47	10	37	M10x1	5	1	23.306.63.12.Z/160	30386169	○
63	14	27	36	120	47	10	37	M10x1	5	0.9	23.306.63.14.Z/120	30385265	○
63	14	27	36	160	47	10	37	M10x1	5	1	23.306.63.14.Z/160	30386172	○
63	16	27	36	120	50	10	40	M12x1	5	0.9	23.306.63.16.Z/120	30337794	○
63	16	27	36	160	50	10	40	M12x1	5	1	23.306.63.16.Z/160	30386173	○
63	18	33	44	120	50	10	40	M12x1	5	1.1	23.306.63.18.Z/120	30337796	○
63	18	33	44	160	50	10	40	M12x1	5	1.2	23.306.63.18.Z.160	30386176	○
63	20	33	45	120	52	10	42	M16x1	5	1.1	23.306.63.20.Z/120	30385266	○
63	20	33	45	160	52	10	42	M16x1	5	1.2	23.306.63.20.Z/160	30386178	○
63	25	44	53	120	58	10	48	M16x1	5	1.5	23.306.63.25.Z/120	30385267	○
63	25	44	53	160	58	10	48	M16x1	5	1.7	23.306.63.25.Z/160	30386180	○
63	32	44	53	160	62	10	52	M16x1	5	1.7	23.306.63.32.Z/160	30386183	○

Dimensions in mm.
Shrink extensions at the end of this chapter.

Spare parts and accessories at the end of this chapter.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Shrink Chuck DIN 69893-E



Nominal size HSK-E	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
32	3	10	15	60	28	16	12	M5	2	0.2	18.306.32.03.Z	30337540	○
32	4	10	15	60	28	12	16	M5	2	0.2	18.306.32.04.Z	30337541	○
32	5	10	15	60	30	10	20	M6	2	0.2	18.306.32.05.Z	30337542	○
32	6	21	25	70	36	10	26	M5	2.5	0.3	18.306.32.06.Z	30337543	○
32	8	21	25	70	36	10	26	M6	3	0.3	18.306.32.08.Z	30337544	○
32	10	24	29	75	41	10	31	M8x1	3	0.4	18.306.32.10.Z	30337545	○
32	12	24	29	80	47	10	37	M10x1	5	0.4	18.306.32.12.Z	30337546	○

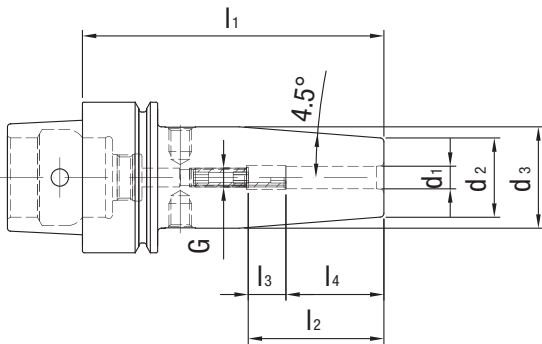
Shrink Chucks

Dimensions in mm.
Shrink extensions at the end of this chapter.

Spare parts and accessories at the end of this chapter.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Shrink Chuck DIN 69893-E



Nominal size HSK-E	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
40	3	10	15	60	28	16	12	M6	2	0.3	18.306.40.03.Z	30337547	●
40	4	10	15	60	28	12	16	M6	2	0.3	18.306.40.04.Z	30337550	●
40	5	10	15	60	30	10	20	M6	2	0.3	18.306.40.05.Z	30337553	●
40	6	21	27	80	36	10	26	M5	2.5	0.4	18.306.40.06.Z	30337556	●
40	8	21	27	80	36	10	26	M6	3	0.4	18.306.40.08.Z	30337559	●
40	10	24	32	80	41	10	31	M8x1	3	0.5	18.306.40.10.Z	30337562	●
40	12	24	32	90	47	10	37	M10x1	5	0.5	18.306.40.12.Z	30337565	●
40	14	27	33.5	90	47	10	37	M10x1	5	0.6	18.306.40.14.Z	30337568	●
40	16	27	33.5	90	50	10	40	M12x1	5	0.5	18.306.40.16.Z	30337571	●

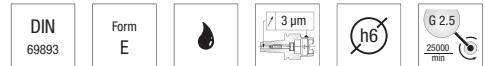
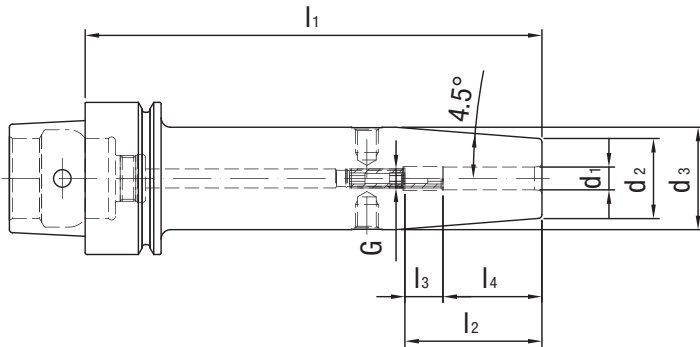
Dimensions in mm.
Shrink extensions at the end of this chapter.

Spare parts and accessories at the end of this chapter.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Shrink Chuck DIN 69893-E

Long design



Nominal size HSK-E	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
40	3	10	20	120			12			0.4	18.306.40.03.Z/120	30337548	○
40	3	10	20	160			12			0.5	18.306.40.03.Z/160	30337549	○
40	4	15	22	120			16			0.4	18.306.40.04.Z/120	30337551	○
40	4	15	22	160			16			0.5	18.306.40.04.Z/160	30337552	○
40	5	15	22	120			20			0.4	18.306.40.05.Z/120	30337554	○
40	5	15	22	160			20			0.5	18.306.40.05.Z/160	30337555	○
40	6	21	27	120	36	10	26	M5	2.5	0.6	18.306.40.06.Z/120	30337557	○
40	6	21	27	160	36	10	26	M5	2.5	0.7	18.306.40.06.Z/160	30337558	○
40	8	21	27	120	36	10	26	M6	3	0.6	18.306.40.08.Z/120	30337560	○
40	8	21	27	160	36	10	26	M6	3	0.7	18.306.40.08.Z/160	30337561	○
40	10	24	32	120	41	10	31	M8x1	3	0.7	18.306.40.10.Z/120	30337563	○
40	10	24	32	160	41	10	31	M8x1	3	0.8	18.306.40.10.Z/160	30337564	○
40	12	24	32	120	47	10	37	M10x1	5	0.7	18.306.40.12.Z/120	30337566	○
40	12	24	32	160	47	10	37	M10x1	5	0.8	18.306.40.12.Z/160	30337567	○
40	14	27	33.5	120	47	10	37	M10x1	5	0.8	18.306.40.14.Z/120	30337569	○
40	14	27	33.5	160	47	10	37	M10x1	5	0.9	18.306.40.14.Z/160	30337570	○
40	16	27	33.5	120	50	10	40	M12x1	5	0.7	18.306.40.16.Z/120	30337572	○
40	16	27	33.5	160	50	10	40	M12x1	5	0.8	18.306.40.16.Z/160	30337573	○

Shrink Chucks

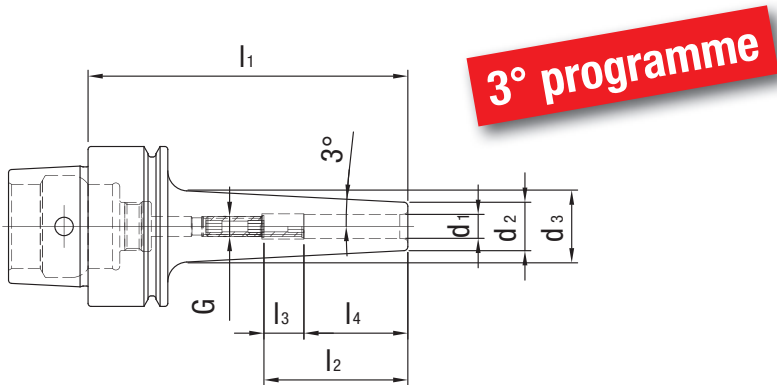
Dimensions in mm.
Shrink extensions at the end of this chapter.

Spare parts and accessories at the end of this chapter.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Shrink Chuck DIN 69893-E

Narrow design, 3°



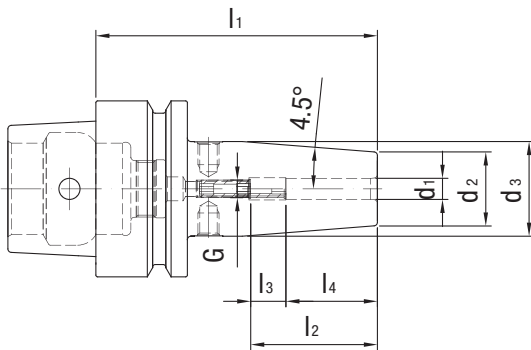
Nominal size HSK-E	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
40	3	9	13	60	28	16	12	M6	2	0.3	18.304.40.03.Z/60	30407142	○
40	3	9	14	70	28	16	12	M6	2	0.3	18.304.40.03.Z/70	30456361	○
40	3	9	15	80	28	16	12	M6	2	0.3	18.304.40.03.Z/80	30456373	○
40	4	10	14	60	28	12	16	M6	2	0.3	18.304.40.04.Z/60	30407144	○
40	4	10	15	70	28	12	16	M6	2	0.3	18.304.40.04.Z/70	30456362	○
40	4	10	16	80	28	12	16	M6	2	0.3	18.304.40.04.Z/80	30456374	○
40	5	11	15	60	30	10	20	M6	2	0.3	18.304.40.05.Z/60	30407146	○
40	5	11	16	70	30	10	20	M6	2	0.3	18.304.40.05.Z/70	30456364	○
40	5	11	17	80	30	10	20	M6	2	0.3	18.304.40.05.Z/80	30456376	○
40	6	12	16	60	36	10	26	M5	2.5	0.3	18.304.40.06.Z/60	30456341	○
40	6	12	17	70	36	10	26	M5	2.5	0.3	18.304.40.06.Z/70	30456365	○
40	6	12	18	80	36	10	26	M5	2.5	0.3	18.304.40.06.Z/80	30407149	○
40	8	14	18	60	36	10	26	M5	2.5	0.3	18.304.40.08.Z/60	30456343	○
40	8	14	19	70	36	10	26	M5	2.5	0.3	18.304.40.08.Z/70	30456366	○
40	8	14	20	80	36	10	26	M6	3	0.3	18.304.40.08.Z/80	30407150	○
40	10	16	20	60	38	7	31	M5	2.5	0.3	18.304.40.10.Z/60	30456344	○
40	10	16	21	70	41	10	31	M5	2.5	0.3	18.304.40.10.Z/70	30456368	○
40	10	16	22	80	41	10	31	M8x1	3	0.3	18.304.40.10.Z/80	30407152	○
40	12	18	22	60	40	3	37	M5	2.5	0.3	18.304.40.12.Z/60	30456347	○
40	12	18	23	70	47	10	37	M5	2.5	0.3	18.304.40.12.Z/70	30456370	○
40	12	18	24	80	47	10	37	M5	2.5	0.4	18.304.40.12.Z/80	30456377	○

Dimensions in mm.
Shrink extensions at the end of this chapter.

Spare parts and accessories at the end of this chapter.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Shrink Chuck DIN 69893-E



Nominal size HSK-E	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
50	3	10	15	80	28	16	12	M6	2	0.4	18.306.50.03.Z	30337574	●
50	4	15	22	80	28	12	16	M6	2	0.5	18.306.50.04.Z	30337577	●
50	5	15	22	80	30	10	20	M6	2	0.5	18.306.50.05.Z	30337580	●
50	6	21	27	80	36	10	26	M5	2.5	0.7	18.306.50.06.Z	30337583	●
50	8	21	27	80	36	10	26	M6	3	0.6	18.306.50.08.Z	30337586	●
50	10	24	32	85	41	10	31	M8x1	3	0.7	18.306.50.10.Z	30337589	●
50	12	24	32	90	47	10	37	M10x1	5	0.7	18.306.50.12.Z	30337592	●
50	14	27	34	90	47	10	37	M10x1	5	0.7	18.306.50.14.Z	30337595	●
50	16	27	34	95	50	10	40	M12x1	5	0.7	18.306.50.16.Z	30337598	●
50	18	33	42	95	50	10	40	M12x1	5	0.9	18.306.50.18.Z	30337601	●
50	20	33	42	100	52	10	42	M16x1	5	0.9	18.306.50.20.Z	30337604	●

Shrink Chucks

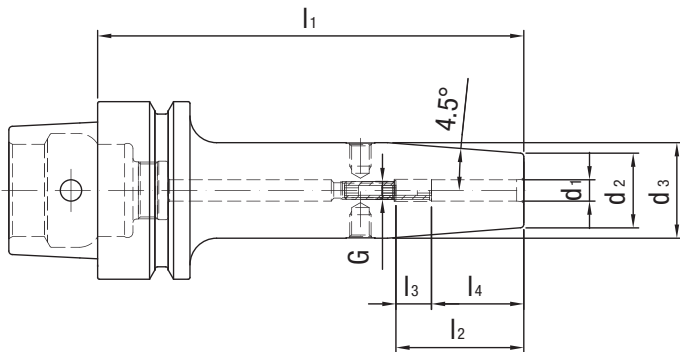
Dimensions in mm.
Shrink extensions at the end of this chapter.

Spare parts and accessories at the end of this chapter.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Shrink Chuck DIN 69893-E

Long design



Nominal size HSK-E	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
50	3	10	20	120			12			0.5	18.306.50.03.Z/120	30337575	○
50	3	10	20	160			12			0.6	18.306.50.03.Z/160	30337576	○
50	4	15	22	120			16			0.6	18.306.50.04.Z/120	30337578	○
50	4	15	22	160			16			0.7	18.306.50.04.Z/160	30337579	○
50	5	15	22	120			20			0.6	18.306.50.05.Z/120	30337581	○
50	5	15	22	160			20			0.7	18.306.50.05.Z/160	30337582	○
50	6	21	27	120	36	10	26	M5	2.5	0.8	18.306.50.06.Z/120	30337584	○
50	6	21	27	160	36	10	26	M5	2.5	0.9	18.306.50.06.Z/160	30337585	○
50	8	21	27	120	36	10	26	M6	3	0.8	18.306.50.08.Z/120	30337587	○
50	8	21	27	160	36	10	26	M6	3	0.9	18.306.50.08.Z/160	30337588	○
50	10	24	32	120	41	10	31	M8x1	3	0.8	18.306.50.10.Z/120	30337590	○
50	10	24	32	160	41	10	31	M8x1	3	0.9	18.306.50.10.Z/160	30337591	○
50	12	24	32	120	47	10	37	M10x1	5	0.8	18.306.50.12.Z/120	30337593	○
50	12	24	32	160	47	10	37	M10x1	5	0.9	18.306.50.12.Z/160	30337594	○
50	14	27	34	120	47	10	37	M10x1	5	0.8	18.306.50.14.Z/120	30337596	○
50	14	27	34	160	47	10	37	M10x1	5	0.9	18.306.50.14.Z/160	30337597	○
50	16	27	34	120	50	10	40	M12x1	5	0.8	18.306.50.16.Z/120	30337599	○
50	16	27	34	160	50	10	40	M12x1	5	0.9	18.306.50.16.Z/160	30337600	○
50	18	33	42	120	50	10	40	M12x1	5	1	18.306.50.18.Z/120	30337602	○
50	18	33	42	160	50	10	40	M12x1	5	1.1	18.306.50.18.Z.160	30337603	○
50	20	33	42	120	52	10	42	M16x1	5	1	18.306.50.20.Z/120	30337605	○
50	20	33	42	160	52	10	42	M16x1	5	1.1	18.306.50.20.Z/160	30337606	○

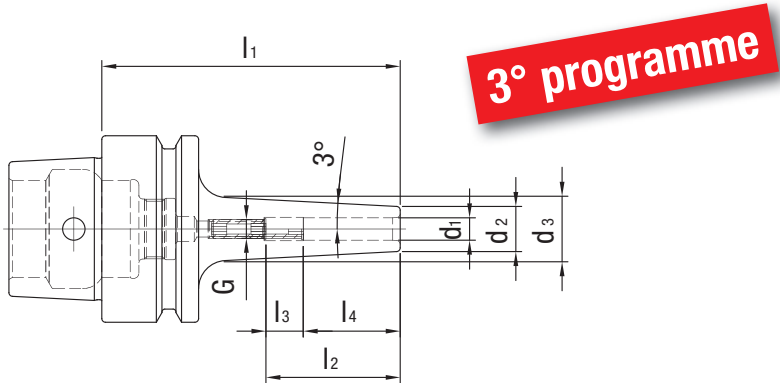
Dimensions in mm.
Shrink extensions at the end of this chapter.

Spare parts and accessories at the end of this chapter.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Shrink Chuck DIN 69893-E

Narrow design, 3°



Nominal size HSK-E	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
50	3	9	14	70	28	16	12	M6	2	0.5	18.304.50.03.Z/70	30456842	○
50	3	9	15	80	28	16	12	M6	2	0.5	18.304.50.03.Z/80	30456961	○
50	3	9	17	100	28	16	12	M6	2	0.5	18.304.50.03.Z/100	30456972	○
50	4	10	15	70	28	12	16	M6	2	0.5	18.304.50.04.Z/70	30456846	○
50	4	10	16	80	28	12	16	M6	2	0.5	18.304.50.04.Z/80	30456964	○
50	4	10	18	100	28	12	16	M6	2	0.5	18.304.50.04.Z/100	30456973	○
50	5	11	16	70	30	10	20	M6	2	0.5	18.304.50.05.Z/70	30456850	○
50	5	11	17	80	30	10	20	M6	2	0.5	18.304.50.05.Z/80	30456965	○
50	5	11	19	100	30	10	20	M6	2	0.5	18.304.50.05.Z/100	30456975	○
50	6	12	17	70	36	10	26	M5	2.5	0.5	18.304.50.06.Z/70	30456852	○
50	6	12	18	80	36	10	26	M5	2.5	0.5	18.304.50.06.Z/80	30656966	○
50	6	12	20	100	36	10	26	M5	2.5	0.5	18.304.50.06.Z/100	30456977	○
50	8	14	19	70	36	10	26	M5	2.5	0.5	18.304.50.08.Z/70	30456855	○
50	8	14	20	80	36	10	26	M6	3	0.5	18.304.50.08.Z/80	30456968	○
50	8	14	22	100	36	10	26	M6	3	0.6	18.304.50.08.Z/100	30456979	○
50	10	16	21	70	41	10	31	M5	2.5	0.5	18.304.50.10.Z/70	30456857	○
50	10	16	22	80	41	10	31	M5	2.5	0.5	18.304.50.10.Z/80	30456969	○
50	10	16	24	100	41	10	31	M8x1	3	0.6	18.304.50.10.Z/100	30456980	○
50	12	18	23	70	44	7	37	M5	2.5	0.5	18.304.50.12.Z/70	30456858	○
50	12	18	24	80	47	10	37	M5	2.5	0.5	18.304.50.12.Z/80	30456970	○
50	12	18	26	100	47	10	37	M10x1	5	0.6	18.304.50.12.Z/100	30456981	○

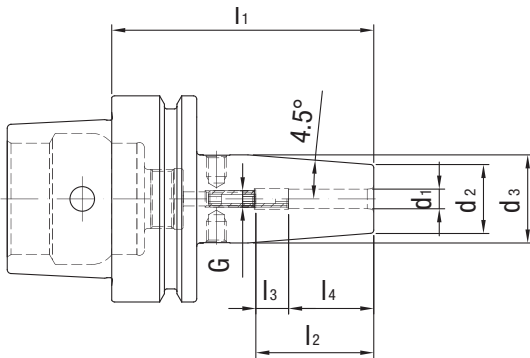
Shrink Chucks

Dimensions in mm.
Shrink extensions at the end of this chapter.

Spare parts and accessories at the end of this chapter.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Shrink Chuck DIN 69893-E



Nominal size HSK-E	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
63	3	10	15	80	28	16	12	M6	2	0.7	18.306.63.03.Z	30337607	●
63	4	15	22	80	28	12	16	M6	2	0.7	18.306.63.04.Z	30337610	●
63	5	15	22	80	30	10	20	M6	2	0.7	18.306.63.05.Z	30337613	●
63	6	21	27	80	36	10	26	M5	2.5	0.8	18.306.63.06.Z	30337616	●
63	8	21	27	80	36	10	26	M6	3	0.8	18.306.63.08.Z	30337619	●
63	10	24	32	85	41	10	31	M8x1	3	0.9	18.306.63.10.Z	30337622	●
63	12	24	32	90	47	10	37	M10x1	5	0.9	18.306.63.12.Z	30337625	●
63	14	27	34	90	47	10	37	M10x1	5	1	18.306.63.14.Z	30337628	●
63	16	27	34	95	50	10	40	M12x1	5	1	18.306.63.16.Z	30337631	●
63	18	33	42	95	50	10	40	M12x1	5	1.1	18.306.63.18.Z	30337634	●
63	20	33	42	100	52	10	42	M16x1	5	1.1	18.306.63.20.Z	30337637	●
63	25	44	53	115	58	10	48	M16x1	5	1.6	18.306.63.25.Z	30337640	●
63	32	44	53	120	62	10	52	M16x1	5	1.6	18.306.63.32.Z	30337643	●

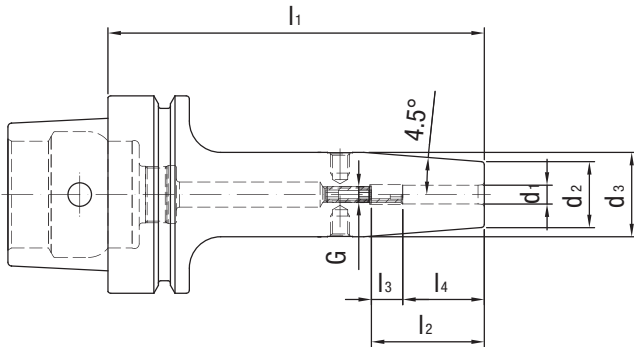
Dimensions in mm.
Shrink extensions at the end of this chapter.

Spare parts and accessories at the end of this chapter.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Shrink Chuck DIN 69893-E

Long design



Nominal size HSK-E	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d_1	d_2	d_3	l_1	l_2	l_3	l_4						
63	3	10	20	120			12			0.8	18.306.63.03.Z/120	30337608	○
63	3	10	20	160			12			0.9	18.306.63.03.Z/160	30337609	○
63	4	15	22	120			16			0.8	18.306.63.04.Z/120	30337611	○
63	4	15	22	160			16			0.9	18.306.63.04.Z/160	30337612	○
63	5	15	22	120			20			0.8	18.306.63.05.Z/120	30337614	○
63	5	15	22	160			20			0.9	18.306.63.05.Z/160	30337615	○
63	6	21	27	120	36	10	26	M5	2.5	0.9	18.306.63.06.Z/120	30337617	○
63	6	21	27	160	36	10	26	M5	2.5	1	18.306.63.06.Z/160	30337618	○
63	8	21	27	120	36	10	26	M6	3	0.9	18.306.63.08.Z/120	30337620	○
63	8	21	27	160	36	10	26	M6	3	1	18.306.63.08.Z/160	30337621	○
63	10	24	32	120	41	10	31	M8x1	3	1	18.306.63.10.Z/120	30337623	○
63	10	24	32	160	41	10	31	M8x1	3	1.1	18.306.63.10.Z/160	30337624	○
63	12	24	32	120	47	10	37	M10x1	5	1	18.306.63.12.Z/120	30337626	○
63	12	24	32	160	47	10	37	M10x1	5	1.1	18.306.63.12.Z/160	30337627	○
63	14	27	34	120	47	10	37	M10x1	5	1.1	18.306.63.14.Z/120	30337629	○
63	14	27	34	160	47	10	37	M10x1	5	1.2	18.306.63.14.Z/160	30337630	○
63	16	27	34	120	50	10	40	M12x1	5	1.2	18.306.63.16.Z/120	30337632	○
63	16	27	34	160	50	10	40	M12x1	5	1.4	18.306.63.16.Z/160	30337633	○
63	18	33	42	120	50	10	40	M12x1	5	1.3	18.306.63.18.Z/120	30337635	○
63	18	33	42	160	50	10	40	M12x1	5	1.5	18.306.63.18.Z.160	30337636	○
63	20	33	42	120	52	10	42	M16x1	5	1.3	18.306.63.20.Z/120	30337638	○
63	20	33	42	160	52	10	42	M16x1	5	1.5	18.306.63.20.Z/160	30337639	○
63	25	44	53	120	58	10	48	M16x1	5	1.6	18.306.63.25.Z/120	30337641	○
63	25	44	53	160	58	10	48	M16x1	5	1.8	18.306.63.25.Z/160	30337642	○
63	32	44	53	160	62	10	52	M16x1	5	1.7	18.306.63.32.Z/160	30337644	○

Shrink Chucks

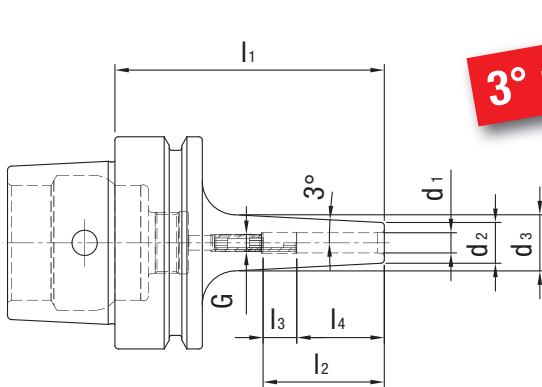
Dimensions in mm.
Shrink extensions at the end of this chapter.

Spare parts and accessories at the end of this chapter.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Shrink Chuck DIN 69893-E

Narrow design, 3°



Nominal size HSK-E	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
63	6	12	18	80	36	10	26	M5	2.5	0.8	18.304.63.06.Z/80	30456806	○
63	8	14	20	80	36	10	26	M6	3	0.8	18.304.63.08.Z/80	30456812	○
63	10	16	22	80	41	10	31	M5	2.5	0.8	18.304.63.10.Z/80	30456817	○
63	12	18	24	80	47	10	37	M5	2.5	0.8	18.304.63.12.Z/80	30456821	○

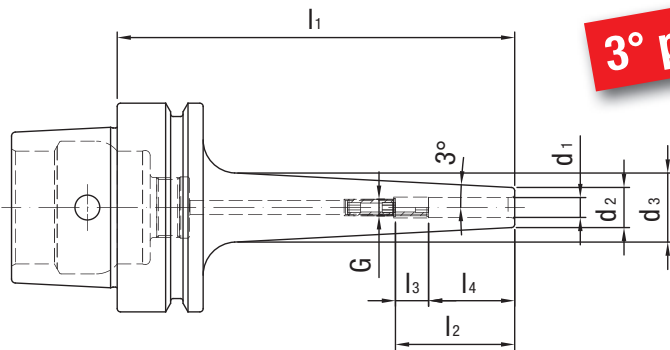
Dimensions in mm.
Shrink extensions at the end of this chapter.

Spare parts and accessories at the end of this chapter.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Shrink Chuck DIN 69893-E

Long narrow design, 3°



3° programme

DIN 69893
Form E
Oil symbol
3 μm
h6
G 2.5 25000 min

Nominal size HSK-E	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
63	6	12	22	120	36	10	26	M5	2.5	0.9	18.304.63.06.Z/120	30456828	○
63	8	14	24	120	36	10	26	M6	3	0.9	18.304.63.08.Z/120	30456832	○
63	10	16	26	120	41	10	31	M8x1	3	0.9	18.304.63.10.Z/120	30456835	○
63	12	18	28	120	47	10	37	M10x1	5	1	18.304.63.12.Z/120	30456839	○

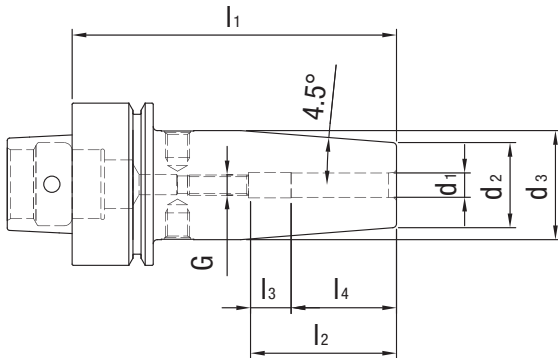
Shrink Chucks

Dimensions in mm.
Shrink extensions at the end of this chapter.

Spare parts and accessories at the end of this chapter.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Shrink Chuck DIN 69893-F



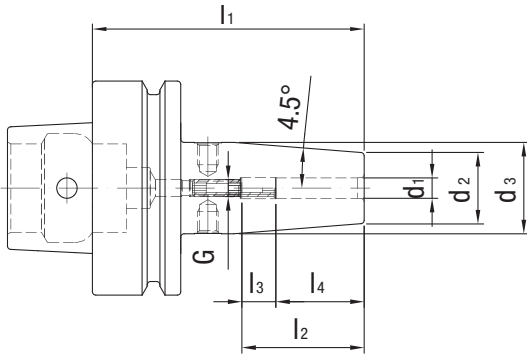
Nominal size HSK-F	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
40	3	10	15	60	28	16	12	M6	2	0.6	17.306.40.03	30337483	○
40	4	10	15	60	28	12	16	M6	2	0.7	17.306.40.04	30337484	○
40	5	10	15	60	30	10	20	M6	2	0.7	17.306.40.05	30337485	○
40	6	21	27	80	36	10	26	M5	2.5	0.8	17.306.40.06	30337486	○
40	8	21	27	80	36	10	26	M6	3	0.8	17.306.40.08	30337487	○
40	10	24	32	80	41	10	31	M8x1	3	0.9	17.306.40.10	30337488	○
40	12	24	32	90	47	10	37	M10x1	5	0.9	17.306.40.12	30337489	○

Dimensions in mm.
Shrink extensions at the end of this chapter.

Spare parts and accessories at the end of this chapter.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Shrink Chuck DIN 69893-F



Nominal size HSK-F	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
63	3	10	15	80	28	16	12	M6	2	0.6	17.306.63.03	30337490	●
63	4	15	22	80	28	12	16	M6	2	0.7	17.306.63.04	30337493	●
63	5	15	22	80	30	10	20	M6	2	0.7	17.306.63.05	30337496	●
63	6	21	27	80	36	10	26	M5	2.5	0.8	17.306.63.06	30337499	●
63	8	21	27	80	36	10	26	M6	3	0.8	17.306.63.08	30337502	●
63	10	24	32	85	41	10	31	M8x1	3	0.9	17.306.63.10	30337505	●
63	12	24	32	90	47	10	37	M10x1	5	0.9	17.306.63.12	30337508	●
63	14	27	34	90	47	10	37	M10x1	5	0.9	17.306.63.14	30337511	●
63	16	27	34	95	50	10	40	M12x1	5	1	17.306.63.16	30337514	●
63	18	33	42	95	50	10	40	M12x1	5	1.1	17.306.63.18	30337517	●
63	20	33	42	100	52	10	42	M16x1	5	1.1	17.306.63.20	30337520	●
63	25	44	53	115	58	10	48	M16x1	5	1.6	17.306.63.25	30337523	●
63	32	44	53	120	62	10	52	M16x1	5	1.6	17.306.63.32	30337526	●

Shrink Chucks

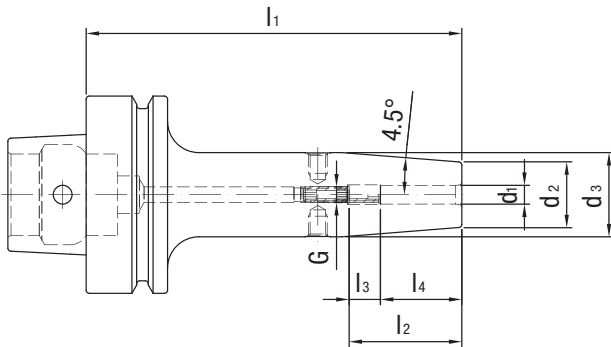
Dimensions in mm.
Shrink extensions at the end of this chapter.

Spare parts and accessories at the end of this chapter.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Shrink Chuck DIN 69893-F

Long design



Nominal size HSK-F	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
63	3	10	20	120			12			0.7	17.306.63.03/120	30337491	○
63	3	10	20	160			12			0.8	17.306.63.03/160	30337492	○
63	4	15	22	120			16			0.8	17.306.63.04/120	30337494	○
63	4	15	22	160			16			0.8	17.306.63.04/160	30337495	○
63	5	15	22	120			20			0.8	17.306.63.05/120	30337497	○
63	5	15	22	160			20			0.8	17.306.63.05/160	30337498	○
63	6	21	27	120	36	10	26	M5	2.5	1	17.306.63.06/120	30337500	○
63	6	21	27	160	36	10	26	M5	2.5	1.1	17.306.63.06/160	30337501	○
63	8	21	27	120	36	10	26	M6	3	1	17.306.63.08/120	30337503	○
63	8	21	27	160	36	10	26	M6	3	1.1	17.306.63.08/160	30337504	○
63	10	24	32	120	41	10	31	M8x1	3	1.1	17.306.63.10/120	30337506	○
63	10	24	32	160	41	10	31	M8x1	3	1.3	17.306.63.10/160	30337507	○
63	12	24	32	120	47	10	37	M10x1	5	1.1	17.306.63.12/120	30337509	○
63	12	24	32	160	47	10	37	M10x1	5	1.3	17.306.63.12/160	30337510	○
63	14	27	34	120	47	10	37	M10x1	5	1.1	17.306.63.14/120	30337512	○
63	14	27	34	160	47	10	37	M10x1	5	1.3	17.306.63.14/160	30337513	○
63	16	27	34	120	50	10	40	M12x1	5	1.1	17.306.63.16/120	30337515	○
63	16	27	34	160	50	10	40	M12x1	5	1.4	17.306.63.16/160	30337516	○
63	18	33	42	120	50	10	40	M12x1	5	1.3	17.306.63.18/120	30337518	○
63	18	33	42	160	50	10	40	M12x1	5	1.6	17.306.63.18/160	30337519	○
63	20	33	42	120	52	10	42	M16x1	5	1.3	17.306.63.20/120	30337521	○
63	20	33	42	160	52	10	42	M16x1	5	1.6	17.306.63.20/160	30337522	○
63	25	44	53	120	58	10	48	M16x1	5	1.7	17.306.63.25/120	30337524	○
63	25	44	53	160	58	10	48	M16x1	5	2	17.306.63.25/160	30337525	○

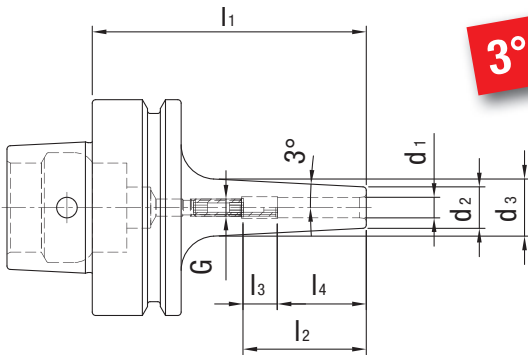
Dimensions in mm.
Shrink extensions at the end of this chapter.

Spare parts and accessories at the end of this chapter.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Shrink Chuck DIN 69893-F

Narrow design, 3°



Nominal size HSK-F	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
63	3	9	14	80	28	16	12	M6	2	0.7	17.304.63.03	30407202	○
63	4	10	15	80	28	12	16	M6	2	0.7	17.304.63.04	30407205	○
63	5	11	16	80	30	10	20	M6	2	0.8	17.304.63.05	30407209	○
63	6	12	17	80	36	10	26	M5	2.5	0.8	17.304.63.06	30407237	○
63	8	14	19	80	36	10	26	M6	3	0.8	17.304.63.08	30407239	○
63	10	16	22	85	41	10	31	M8x1	3	0.8	17.304.63.10	30407241	○
63	12	18	24	90	47	10	37	M10x1	5	0.8	17.304.63.12	30407243	○
63	14	20	26	90	47	10	37	M10x1	5	0.8	17.304.63.14	30407245	○
63	16	22	29	95	50	10	40	M12x1	5	0.9	17.304.63.16	30407247	○
63	18	24	31	95	50	10	40	M12x1	5	0.9	17.304.63.18	30407248	○
63	20	27	34	100	52	10	42	M16x1	5	1	17.304.63.20	30407249	○

Shrink Chucks

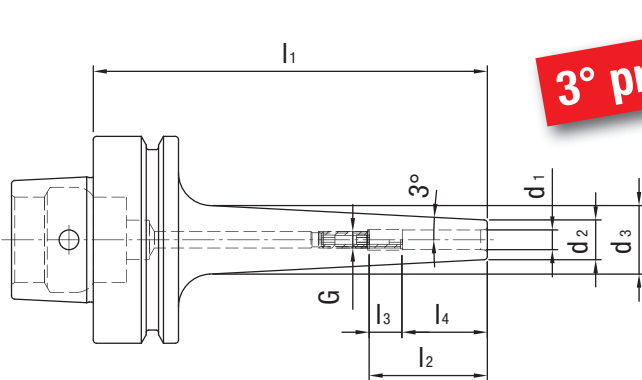
Dimensions in mm.
Shrink extensions at the end of this chapter.

Spare parts and accessories at the end of this chapter.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Shrink Chuck DIN 69893-F

Long narrow design, 3°



Nominal size HSK-F	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
63	3	9	16	120			12			0.8	17.304.63.03/120	30407251	○
63	3	9	19	160			12			0.9	17.304.63.03/160	30407265	○
63	4	10	17	120			16			0.8	17.304.63.04/120	30407253	○
63	4	10	20	160			16			0.9	17.304.63.04/160	30407268	○
63	5	11	18	120			20			0.8	17.304.63.05/120	30407254	○
63	5	11	21	160			20			0.9	17.304.63.05/160	30407269	○
63	6	12	21	120	36	10	26	M5	2.5	0.9	17.304.63.06/120	30407255	○
63	6	12	24	160	36	10	26	M5	2.5	1	17.304.63.06/160	30407270	○
63	8	14	23	120	36	10	26	M6	3	0.9	17.304.63.08/120	30407256	○
63	8	14	24	160	36	10	26	M6	3	1	17.304.63.08/160	30407271	○
63	10	16	25	120	41	10	31	M8x1	3	0.9	17.304.63.10/120	30407257	○
63	10	16	28	160	41	10	31	M8x1	3	1	17.304.63.10/160	30407272	○
63	12	18	27	120	47	10	37	M10x1	5	1	17.304.63.12/120	30407258	○
63	12	18	30	160	47	10	37	M10x1	5	1.2	17.304.63.12/160	30407273	○
63	14	20	29	120	47	10	37	M10x1	5	1	17.304.63.14/120	30407259	○
63	14	20	32	160	47	10	37	M10x1	5	1.2	17.304.63.14/160	30407274	○
63	16	22	31	120	50	10	40	M12x1	5	1	17.304.63.16/120	30407260	○
63	16	22	34	160	50	10	40	M12x1	5	1.3	17.304.63.16/160	30407275	○
63	18	24	33	120	50	10	40	M12x1	5	1	17.304.63.18/120	30407263	○
63	18	24	36	160	50	10	40	M12x1	5	1.4	17.304.63.18/160	30407276	○
63	20	27	36	120	52	10	42	M16x1	5	1	17.304.63.20/120	30407264	○
63	20	27	38	160	52	10	42	M16x1	5	1.5	17.304.63.20/160	30407277	○

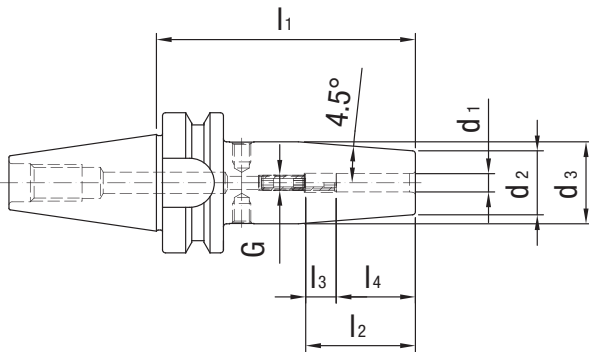
Dimensions in mm.
Shrink extensions at the end of this chapter.

Spare parts and accessories at the end of this chapter.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Shrink Chuck ISO 7388-2 (JIS B6339), Form J

Coolant supply as per ISO 7388-2, Form JD



Nominal size BT	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
30	3	10	17	85	28	16	12	M6	2	0.7	22.306.30.03.Z	30337666	●
30	4	15	22	85	28	12	16	M6	2	0.7	22.306.30.04.Z	30337667	●
30	5	15	22	85	30	10	20	M6	2	0.7	22.306.30.05.Z	30337668	●
30	6	21	27	85	36	10	26	M5	2.5	0.8	22.306.30.06.Z	30337669	●
30	8	21	27	85	36	10	26	M6	3	0.8	22.306.30.08.Z	30337670	●
30	10	24	32	85	41	10	31	M8x1	3	0.8	22.306.30.10.Z	30337671	●
30	12	24	32	85	47	10	37	M10x1	5	0.9	22.306.30.12.Z	30337672	●
30	14	27	34	85	47	10	37	M10x1	5	0.9	22.306.30.14.Z	30337673	●
30	16	27	34	85	50	10	40	M12x1	5	0.9	22.306.30.16.Z	30337674	●
30	18	33	42	85	50	10	40	M12x1	5	1	22.306.30.18.Z	30337675	●
30	20	33	42	85	52	10	42	M16x1	5	1	22.306.30.20.Z	30337676	●

Shrink Chucks

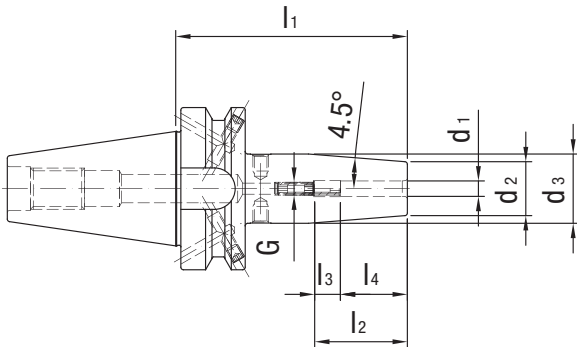
Dimensions in mm.
Shrink extensions at the end of this chapter.

Spare parts and accessories at the end of this chapter.
BBT version on request.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Shrink Chuck ISO 7388-2 (JIS B6339), Form J

Coolant supply as per ISO 7388-2, Form JD/JF



Nominal size BT	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
40	3	10	17	90	28	16	12	M6	2	1	22.306.40.03.Z	30337677	●
40	4	15	22	90	28	12	16	M6	2	1.1	22.306.40.04.Z	30337680	●
40	5	15	22	90	30	10	20	M6	2	1.1	22.306.40.05.Z	30337683	●
40	6	21	27	90	36	10	26	M5	2.5	1.1	22.306.40.06.Z	30337686	●
40	7	21	27	90	36	10	26	M5	2.5	1.1	22.306.40.07.Z	30337689	●
40	8	21	27	90	36	10	26	M6	3	1.1	22.306.40.08.Z	30337690	●
40	9	21	27	90	36	10	26	M6	3	1.1	22.306.40.09.Z	30337693	●
40	10	24	32	90	41	10	31	M8x1	3	1.2	22.306.40.10.Z	30337694	●
40	11	24	32	90	41	10	31	M8x1	3	1.2	22.306.40.11.Z	30337698	●
40	12	24	32	90	47	10	37	M10x1	5	1.2	22.306.40.12.Z	30337699	●
40	13	24	32	90	47	10	37	M10x1	5	1.2	22.306.40.13.Z	30337702	●
40	14	27	34	90	47	10	37	M10x1	5	1.2	22.306.40.14.Z	30337703	●
40	15	27	34	90	47	10	37	M10x1	5	1.2	22.306.40.15.Z	30337705	●
40	16	27	34	90	50	10	40	M12x1	5	1.2	22.306.40.16.Z	30337706	●
40	18	33	42	90	50	10	40	M12x1	5	1.3	22.306.40.18.Z	30337709	●
40	20	33	42	90	52	10	42	M16x1	8	1.3	22.306.40.20.Z	30337712	●
40	25	44	53	100	58	10	48	M16x1	8	1.7	22.306.40.25.Z	30337715	●
40	32	44	53	100	62	10	52	M16x1	8	1.5	22.306.40.32.Z	30337718	●

Dimensions in mm.

Basic form JD. Please indicate form JF (prev. B) in your order.

Shrink extensions at the end of this chapter.

Spare parts and accessories at the end of this chapter.

BBT version on request.

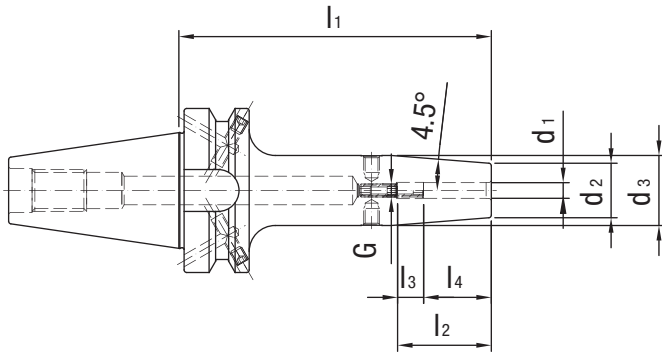
Custom designs available on request.

● These products are available in stock.

○ Standard tool not on stock (delivery time on request).

Shrink Chuck ISO 7388-2 (JIS B6339), Form J

Long design, coolant supply as per ISO 7388-2, Form JD/JF



Nominal size BT	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d_1	d_2	d_3	l_1	l_2	l_3	l_4						
40	3	10	20	120			12			1.2	22.306.40.03.Z/120	30337678	●
40	3	10	20	160			12			1.4	22.306.40.03.Z/160	30337679	●
40	4	15	22	120			16			1.3	22.306.40.04.Z/120	30337681	●
40	4	15	22	160			16			1.5	22.306.40.04.Z/160	30337682	●
40	5	15	22	120			20			1.3	22.306.40.05.Z/120	30337684	●
40	5	15	22	160			20			1.5	22.306.40.05.Z/160	30337685	●
40	6	21	27	120	36	10	26	M5	2.5	1.3	22.306.40.06.Z/120	30337687	●
40	6	21	27	160	36	10	26	M5	2.5	1.5	22.306.40.06.Z/160	30337688	●
40	8	21	27	120	36	10	26	M6	3	1.3	22.306.40.08.Z/120	30337691	●
40	8	21	27	160	36	10	26	M6	3	1.5	22.306.40.08.Z/160	30337692	●
40	10	24	32	120	41	10	31	M8x1	3	1.4	22.306.40.10.Z/120	30337695	●
40	10	24	32	160	41	10	31	M8x1	3	1.6	22.306.40.10.Z/160	30337696	●
40	12	24	32	120	47	10	37	M10x1	5	1.4	22.306.40.12.Z/120	30337700	●
40	12	24	32	160	47	10	37	M10x1	5	1.6	22.306.40.12.Z/160	30337701	●
40	14	27	34	120	47	10	37	M10x1	5	1.4	22.306.40.14.Z/120	30337704	●
40	14	27	34	160	47	10	37	M10x1	5	1.6	22.306.40.14.Z/160	30342696	●
40	16	27	34	120	50	10	40	M12x1	5	1.4	22.306.40.16.Z/120	30337707	●
40	16	27	34	160	50	10	40	M12x1	5	1.6	22.306.40.16.Z/160	30337708	●
40	18	33	42	120	50	10	40	M12x1	5	1.6	22.306.40.18.Z/120	30337710	●
40	18	33	42	160	50	10	40	M12x1	5	1.9	22.306.40.18.Z.160	30337711	●
40	20	33	42	120	52	10	42	M16x1	8	1.6	22.306.40.20.Z/120	30337713	●
40	20	33	42	160	52	10	42	M16x1	8	1.9	22.306.40.20.Z/160	30337714	●
40	25	44	53	120	58	10	48	M16x1	8	2	22.306.40.25.Z/120	30337716	●
40	25	44	53	160	58	10	48	M16x1	8	2.3	22.306.40.25.Z/160	30337717	●
40	32	44	53	120	62	10	52	M16x1	8	1.8	22.306.40.32.Z/120	30337719	●
40	32	44	53	160	62	10	52	M16x1	8	2	22.306.40.32.Z/160	30337720	●

Shrink Chucks

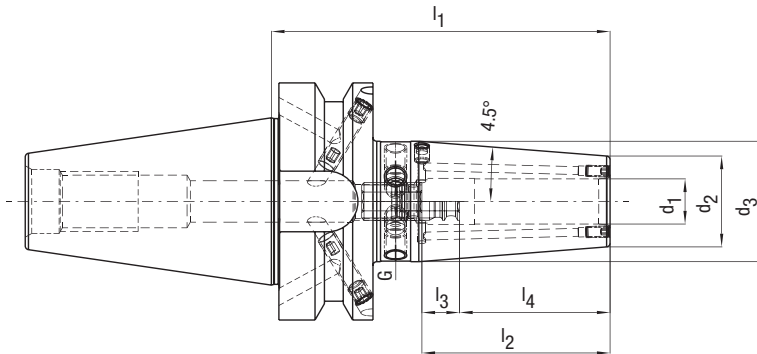
Dimensions in mm.
Basic form JD. Please indicate form JF (prev. B) in your order.

Shrink extensions at the end of this chapter.
Spare parts and accessories at the end of this chapter.
BBT version on request.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Shrink Chuck ISO 7388-2 (JIS B6339), Form J

Coolant supply as per ISO 7388-2, Form JD/JF, with resealable coolant duct holes



Nominal size BT	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
40	3	10	17	90	28	16	12	M6	2	1	22.306.40.03.KKB	30591188	○
40	4	15	22	90	28	12	16	M6	2	1.1	22.306.40.04.KKB	30591191	○
40	5	15	22	90	30	10	20	M6	2	1.1	22.306.40.05.KKB	30591192	○
40	6	21	27	90	36	10	26	M5	2.5	1.1	22.306.40.06.KKB	30591197	○
40	8	21	27	90	36	10	26	M6	3	1.1	22.306.40.08.KKB	30591198	○
40	10	24	32	90	41	10	31	M8x1	3	1.2	22.306.40.10.KKB	30591199	○
40	12	24	32	90	47	10	37	M10x1_KKB	5	1.2	22.306.40.12.KKB	30591203	○
40	14	27	34	90	47	10	37	M10x1_KKB	5	1.2	22.306.40.14.KKB	30591204	○
40	16	27	34	90	50	10	40	M12x1_KKB	5	1.2	22.306.40.16.KKB	30591206	○
40	18	33	42	90	50	10	40	M12x1_KKB	5	1.3	22.306.40.18.KKB	30591208	○
40	20	33	42	90	52	10	42	M16x1_KKB	5	1.3	22.306.40.20.KKB	30591211	○
40	25	44	53	100	58	10	48	M16x1_KKB	5	1.7	22.306.40.25.KKB	30591212	○
40	32	44	53	100	62	10	52	M16x1_KKB	5	1.5	22.306.40.32.KKB	30591213	○

Dimensions in mm.

Basic form JD. Please indicate form JF (prev. B) in your order.

Shrink extensions at the end of this chapter.

Spare parts and accessories at the end of this chapter.

BBT version on request.

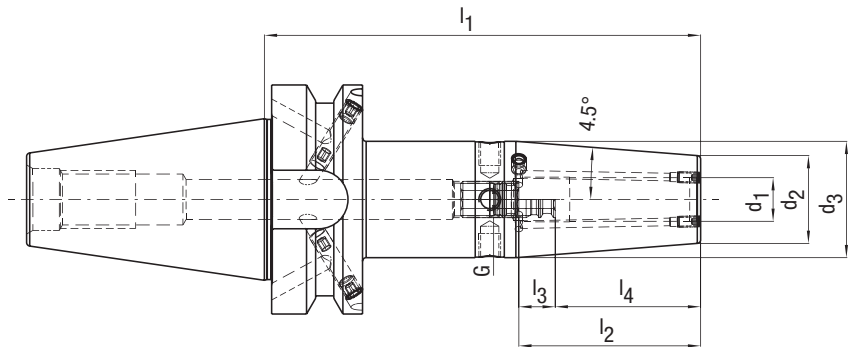
Custom designs available on request.

● These products are available in stock.

○ Standard tool not on stock (delivery time on request).

Shrink Chuck ISO 7388-2 (JIS B6339), Form J

Long design, coolant supply as per ISO 7388-2, Form JD/JF, with resealable coolant duct holes



Nominal size BT	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
40	3	10	20	120			12			1.2	22.306.40.03.120.KKB	30591241	○
40	4	15	22	120			16			1.3	22.306.40.04.120.KKB	30591242	○
40	5	15	22	120			20			1.3	22.306.40.05.120.KKB	30591243	○
40	6	21	27	120	36	10	26	M5	2.5	1.3	22.306.40.06.120.KKB	30591244	○
40	8	21	27	120	36	10	26	M6	3	1.3	22.306.40.08.120.KKB	30591245	○
40	10	24	32	120	41	10	31	M8x1	3	1.4	22.306.40.10.120.KKB	30591247	○
40	12	24	32	120	47	10	37	M10x1_KKB	5	1.4	22.306.40.12.120.KKB	30591249	○
40	14	27	34	120	47	10	37	M10x1_KKB	5	1.4	22.306.40.14.120.KKB	30591250	○
40	16	27	34	120	50	10	40	M12x1_KKB	5	1.4	22.306.40.16.120.KKB	30591252	○
40	18	33	42	120	50	10	40	M12x1_KKB	5	1.6	22.306.40.18.120.KKB	30591253	○
40	20	33	42	120	52	10	42	M16x1_KKB	5	1.6	22.306.40.20.120.KKB	30591254	○
40	25	44	53	120	58	10	48	M16x1_KKB	5	2	22.306.40.25.120.KKB	30591255	○
40	32	44	53	120	62	10	52	M16x1_KKB	5	1.8	22.306.40.32.120.KKB	30591258	○

Shrink Chucks

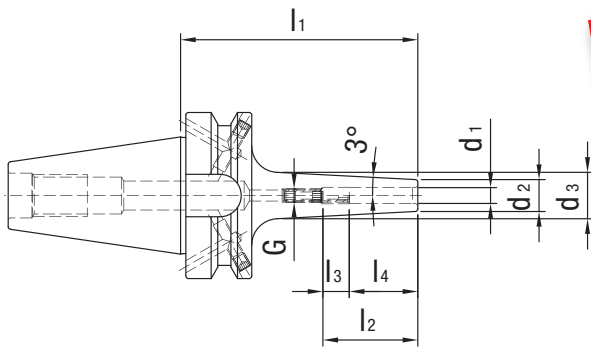
Dimensions in mm.
Basic form JD. Please indicate form JF (prev. B)
in your order.

Shrink extensions at the end of this chapter.
Spare parts and accessories at the end of this chapter.
BBT version on request.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Shrink Chuck ISO 7388-2 (JIS B6339), Form J

Narrow design, 3°, coolant supply as per ISO 7388-2, Form JD/JF



3° programme



Nominal size BT	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
40	3	9	15	90	28	16	12	M6	2	1	22.304.40.03.Z	30385354	○
40	4	10	16	90	28	12	16	M6	2	1	22.304.40.04.Z	30385357	○
40	5	11	17	90	30	10	20	M6	2	1.1	22.304.40.05.Z	30385360	○
40	6	12	18	90	36	10	26	M5	2.5	1.1	22.304.40.06.Z	30385363	○
40	8	14	20	90	36	10	26	M6	3	1.1	22.304.40.08.Z	30385366	○
40	10	16	22	90	41	10	31	M8x1	3	1.1	22.304.40.10.Z	30385369	○
40	12	18	24	90	47	10	37	M10x1	5	1.1	22.304.40.12.Z	30385372	○
40	14	20	26	90	47	10	37	M10x1	5	1.1	22.304.40.14.Z	30385375	○
40	16	22	28	90	50	10	40	M12x1	5	1.2	22.304.40.16.Z	30385378	○
40	18	24	30	90	50	10	40	M12x1	5	1.2	22.304.40.18.Z	30385381	○
40	20	26	32	90	52	10	42	M16x1	8	1.2	22.304.40.20.Z	30385384	○

Dimensions in mm.

Basic form JD. Please indicate form JF (prev. B) in your order.

Shrink extensions at the end of this chapter.

Spare parts and accessories at the end of this chapter.

BBT version on request.

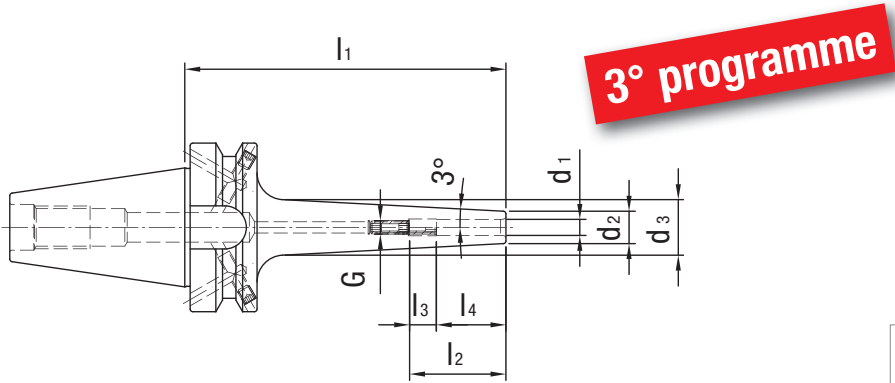
Custom designs available on request.

● These products are available in stock.

○ Standard tool not on stock (delivery time on request).

Shrink Chuck ISO 7388-2 (JIS B6339), Form J

Long narrow design, 3°, coolant supply as per ISO 7388-2, Form JD/JF



Nominal size BT	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
40	3	9	16	120			12			1.1	22.304.40.03.Z/120	30385355	○
40	3	9	19	160			12			1.2	22.304.40.03.Z/160	30385356	○
40	3	9	19	200			12			1.2	22.304.40.03.Z/200	30596952	○
40	4	10	17	120			16			1.1	22.304.40.04.Z/120	30385358	○
40	4	10	20	160			16			1.2	22.304.40.04.Z/160	30385359	○
40	4	10	20	200			16			1.3	22.304.40.04.Z/200	30597094	○
40	5	11	18	120			20			1.1	22.304.40.05.Z/120	30385361	○
40	5	11	21	160			20			1.2	22.304.40.05.Z/160	30385362	○
40	5	11	21	200			20			1.3	22.304.40.05.Z/200	30597095	○
40	6	12	21	120	36	10	26	M5	2.5	1.1	22.304.40.06.Z/120	30385364	○
40	6	12	24	160	36	10	26	M5	2.5	1.2	22.304.40.06.Z/160	30385365	○
40	6	12	24	200	36	10	26	M5	2.5	1.3	22.304.40.06.Z/200	30597096	○
40	8	14	23	120	36	10	26	M6	3	1.2	22.304.40.08.Z/120	30385367	○
40	8	14	26	160	36	10	26	M6	3	1.3	22.304.40.08.Z/160	30385368	○
40	8	14	26	200	36	10	26	M6	3	1.4	22.304.40.08.Z/200	30597098	○
40	10	16	25	120	41	10	31	M8x1	3	1.2	22.304.40.10.Z/120	30385370	○
40	10	16	28	160	41	10	31	M8x1	3	1.3	22.304.40.10.Z/160	30385371	○
40	10	16	28	200	41	10	31	M8x1	3	1.5	22.304.40.10.Z/200	30597099	○
40	12	18	27	120	47	10	37	M10x1	5	1.2	22.304.40.12.Z/120	30385373	○
40	12	18	30	160	47	10	37	M10x1	5	1.4	22.304.40.12.Z/160	30385374	○
40	12	18	30	200	47	10	37	M10x1	5	1.6	22.304.40.12.Z/200	30597100	○
40	14	20	29	120	47	10	37	M10x1	5	1.3	22.304.40.14.Z/120	30385376	○
40	14	20	32	160	47	10	37	M10x1	5	1.5	22.304.40.14.Z/160	30385377	○
40	14	20	32	200	47	10	37	M10x1	5	1.7	22.304.40.14.Z/200	30597101	○
40	16	22	31	120	50	10	40	M12x1	5	1.3	22.304.40.16.Z/120	30385379	○
40	16	22	34	160	50	10	40	M12x1	5	1.5	22.304.40.16.Z/160	30385380	○
40	16	22	34	200	50	10	40	M12x1	5	1.8	22.304.40.16.Z/200	30597102	○
40	18	24	33	120	50	10	40	M12x1	5	1.3	22.304.40.18.Z/120	30385382	○
40	18	24	36	160	50	10	40	M12x1	5	1.6	22.304.40.18.Z/160	30385383	○
40	18	24	36	200	50	10	40	M12x1	5	1.9	22.304.40.18.Z/200	30597104	○
40	20	26	35	120	52	10	42	M16x1	8	1.3	22.304.40.20.Z/120	30385385	○
40	20	26	38	160	52	10	42	M16x1	8	1.7	22.304.40.20.Z/160	30385386	○
40	20	26	38	200	52	10	42	M16x1	8	2.0	22.304.40.20.Z/200	30597107	○

Shrink Chucks

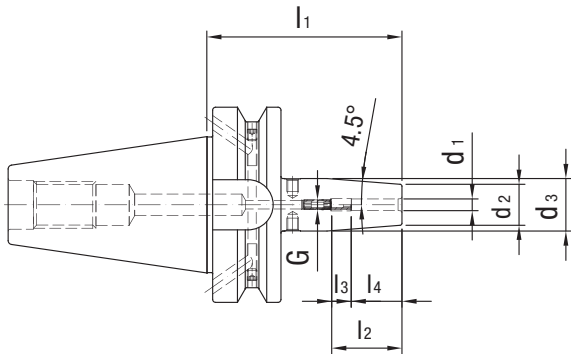
Dimensions in mm.
Basic form JD. Please indicate form JF (prev. B) in your order.

Shrink extensions at the end of this chapter.
Spare parts and accessories at the end of this chapter.
BBT version on request.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Shrink Chuck ISO 7388-2 (JIS B6339), Form J

Narrow design, coolant supply as per ISO 7388-2, Form JD/JF



Nominal size BT	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
50	3	10	17	100			12			3.6	22.306.50.03.Z	30337721	●
50	4	15	22	100			16			3.7	22.306.50.04.Z	30337724	●
50	5	15	22	100			20			3.7	22.306.50.05.Z	30337727	●
50	6	21	27	100	36	10	26	M5	2.5	3.7	22.306.50.06.Z	30337730	●
50	8	21	27	100	36	10	26	M6	3	3.7	22.306.50.08.Z	30337733	●
50	10	24	32	100	41	10	31	M8x1	3	3.8	22.306.50.10.Z	30337736	●
50	12	24	32	100	47	10	37	M10x1	5	3.8	22.306.50.12.Z	30337739	●
50	14	27	34	100	47	10	37	M10x1	5	3.8	22.306.50.14.Z	30337742	●
50	16	27	34	100	50	10	40	M12x1	5	3.8	22.306.50.16.Z	30337745	●
50	18	33	42	100	50	10	40	M12x1	5	3.9	22.306.50.18.Z	30337748	●
50	20	33	42	100	52	10	42	M16x1	8	3.8	22.306.50.20.Z	30337751	●
50	25	44	53	110	58	10	48	M16x1	8	4.2	22.306.50.25.Z	30337754	●
50	32	44	53	110	62	10	52	M16x1	8	4.1	22.306.50.32.Z	30337757	●

Dimensions in mm.

Basic form JD. Please indicate form JF (prev. B) in your order.

Shrink extensions at the end of this chapter.

Spare parts and accessories at the end of this chapter.

BBT version on request.

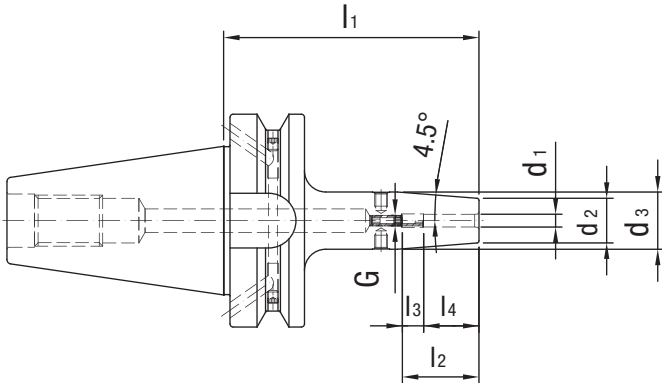
Custom designs available on request.

● These products are available in stock.

○ Standard tool not on stock (delivery time on request).

Shrink Chuck ISO 7388-2 (JIS B6339), Form J

Long design, coolant supply as per ISO 7388-2, Form JD/JF



Nominal size BT	Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
50	3	10	20	120			12			3.7	22.306.50.03.Z/120	30337722	○
50	3	10	20	160			12			3.9	22.306.50.03.Z/160	30337723	○
50	4	15	22	120			16			3.8	22.306.50.04.Z/120	30337725	○
50	4	15	22	160			16			4	22.306.50.04.Z/160	30337726	○
50	5	15	22	120			20			3.8	22.306.50.05.Z/120	30337728	○
50	5	15	22	160			20			4	22.306.50.05.Z/160	30337729	○
50	6	21	27	120	36	10	26	M5	2.5	3.8	22.306.50.06.Z/120	30337731	○
50	6	21	27	160	36	10	26	M5	2.5	4	22.306.50.06.Z/160	30337732	○
50	8	21	27	120	36	10	26	M6	3	3.8	22.306.50.08.Z/120	30337734	○
50	8	21	27	160	36	10	26	M6	3	4	22.306.50.08.Z/160	30337735	○
50	10	24	32	120	41	10	31	M8x1	3	4	22.306.50.10.Z/120	30337737	○
50	10	24	32	160	41	10	31	M8x1	3	4.2	22.306.50.10.Z/160	30337738	○
50	12	24	32	120	47	10	37	M10x1	5	4	22.306.50.12.Z/120	30337740	○
50	12	24	32	160	47	10	37	M10x1	5	4.2	22.306.50.12.Z/160	30337741	○
50	14	27	34	120	47	10	37	M10x1	5	4	22.306.50.14.Z/120	30337743	○
50	14	27	34	160	47	10	37	M10x1	5	4.2	22.306.50.14.Z/160	30337744	○
50	16	27	34	120	50	10	40	M12x1	5	4	22.306.50.16.Z/120	30337746	○
50	16	27	34	160	50	10	40	M12x1	5	4.2	22.306.50.16.Z/160	30337747	○
50	18	33	42	120	50	10	40	M12x1	5	4.2	22.306.50.18.Z/120	30337749	○
50	18	33	42	160	50	10	40	M12x1	5	4.6	22.306.50.18.Z/160	30337750	○
50	20	33	42	120	52	10	42	M16x1	8	4.2	22.306.50.20.Z/120	30337752	○
50	20	33	42	160	52	10	42	M16x1	8	4.6	22.306.50.20.Z/160	30337753	○
50	25	44	53	120	58	10	48	M16x1	8	4.5	22.306.50.25.Z/120	30337755	○
50	25	44	53	160	58	10	48	M16x1	8	4.8	22.306.50.25.Z/160	30337756	○
50	32	44	53	120	62	10	52	M16x1	8	4.4	22.306.50.32.Z/120	30337758	○
50	32	44	53	160	62	10	52	M16x1	8	4.6	22.306.50.32.Z/160	30337759	○

Shrink Chucks

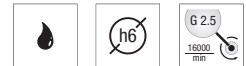
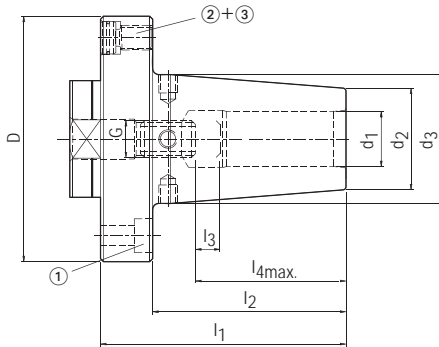
Dimensions in mm.
Basic form JD. Please indicate form JF (prev. B) in your order.

Shrink extensions at the end of this chapter.
Spare parts and accessories at the end of this chapter.
BBT version on request.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Shrink Chuck with radial and angular orientation

Module connection dimensions as per MN5000-14



Module diameter D	Dimensions							G	Weight kg	Order designation	Order No.	Stock
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄ max.					
60	6	21	27	70	57	10	36	M5	0.7	68.306.60.06.Z	30559449	●
60	8	21	27	70	57	10	36	M6	0.7	68.306.60.08.Z	30559531	●
60	10	24	32	70	57	10	41	M8x1	0.7	68.306.60.10.Z	30559536	●
60	12	24	32	70	57	10	46	M10x1	0.7	68.306.60.12.Z	30559537	●
70	14	27	34	75	60	10	46	M10x1	1	68.306.70.14.Z	30559543	●
70	16	27	34	75	60	10	49	M12x1	1	68.306.70.16.Z	30559544	●
80	18	33	42	80	63	10	49	M12x1	1.4	68.306.80.18.Z	30559545	●
80	20	33	42	80	63	10	51	M16x1	1.3	68.306.80.20.Z	30559547	●
100	25	44	53	80	59	10	57	M16x1	2.3	68.306.100.25.Z	30559548	●
100	32	44	53	80	59	10	61	M16x1	2.2	68.306.100.32.Z	30559551	●

Spare parts for Shrink Chucks with radial and angular orientation

Module diameter D	Qty. required	① Cylinder Head Screw as per ISO 4762				② Thrust Piece			③ Grub Screw		
		Size	Order desig.	Order No.	Stock	Order desig.	Order No.	Stock	Order desig.	Order No.	Stock
60	4	M5x16 – 12.9	89.122.144	10003601	●	89.122.113	10040108	●	89.122.146	10040109	●
70	4	M6x20 – 12.9	89.122.112	10003619	●	89.122.113	10040108	●	89.122.146	10040109	●
80	4	M6x20 – 12.9	89.122.112	10003619	●	89.122.113	10040108	●	89.122.114	10075074	●
100	4	M8x25 – 12.9	89.122.154	10003637	●	89.122.153	10075116	●	89.122.152	10075100	●

Supply includes: Built-in length adjustment screw with through hole.

Design: Due to threaded pins (for alignment) in the machine spindle and in the HSK or ISO adapter, exactly adjustable for radial run-out. Due to thrust pad and threaded pin in the shrink chuck, exactly adjustable for axial run-out. The clamping diameter is designed for a shank tolerance of h6.

Balancing quality: G 2.5 at 16000 min⁻¹

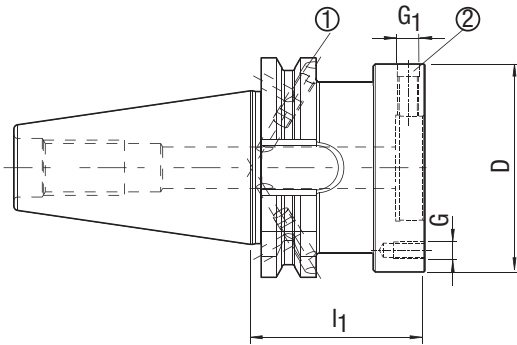
Dimensions in mm.

Spare parts and accessories at the end of this chapter.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Modular Short Taper Adapter ISO 7388-1, Form AD/AF

(prev. DIN 69871-AD/B)



Nominal size SK	Dimensions						Order designation	Order No.	Stock
	D	l ₁	G	G ₁	Form	Weight kg			
30*	60	50	M5	M8x1	AD	0.8	15.150.30.AD.60.Z	30584676	○
30*	70	50	M6	M8x1	AD	0.9	15.150.30.AD.70.Z	30584681	○
40	60	50	M5	M8x1	AD/AF	1.3	15.150.40.60.Z	30584684	●
40	70	50	M6	M8x1	AD/AF	1.4	15.150.40.70.Z	30584685	●
40	80	55	M6	M8x1	AD/AF	1.7	15.150.40.80.Z	30584686	●
40	100	60	M8	M10x1	AD/AF	2.2	15.150.40.100.Z	30584689	●
45	60	50	M5	M8x1	AD/AF	2.8	15.150.45.60.Z	30584690	○
45	70	50	M6	M8x1	AD/AF	2.9	15.150.45.70.Z	30584692	○
45	80	55	M6	M8x1	AD/AF	3.1	15.150.45.80.Z	30584694	○
45	100	60	M8	M10x1	AD/AF	3.3	15.150.45.100.Z	30584697	○
45	117	60	M8	M10x1	AD/AF	3.5	15.150.45.117.Z	30584698	○
50	60	50	M5	M8x1	AD/AF	3.2	15.150.50.60.Z	30584700	●
50	70	50	M6	M8x1	AD/AF	3.4	15.150.50.70.Z	30584701	●
50	80	50	M6	M8x1	AD/AF	3.6	15.150.50.80.Z	30584720	●
50	100	60	M8	M10x1	AD/AF	4.4	15.150.50.100.Z	30584721	●
50	117	60	M8	M10x1	AD/AF	4.5	15.150.50.117.Z	30584723	●
50	140	60	M10	M10x1	AD/AF	4.7	15.150.50.140.Z	30584724	●

* Short taper size SK 30 is not available in the combination design AD/AF!

Spare parts: Grub screws as per ISO 4026

Nominal size SK	Qty. required	① Grub Screw as per ISO 4026			
		Size	Order desig.	Order No.	Stock
40. 45. 50	2	M5x5	89.122.688	10036757	●

Spare parts: Grub screws

Module diameter D	Qty. required	② Grub Screw		
		Order desig.	Order No.	Stock
60-80	4	89.122.685	10075355	●
100-140	4	89.122.684	10075099	●

Usage: For use in the machine spindle for mounting KS flange adapters, shrink chucks, hydraulic chucks, chucks for cylindrical shanks or tools with a modular shank in accordance with MAPAL works standard.

Supply includes: Complete with threaded pins for aligning the radial run-out, does not include pull stud.

Design: Due to threaded pins the radial run-out of a connection or tool fitted can be adjusted exactly in relation to the steep taper.

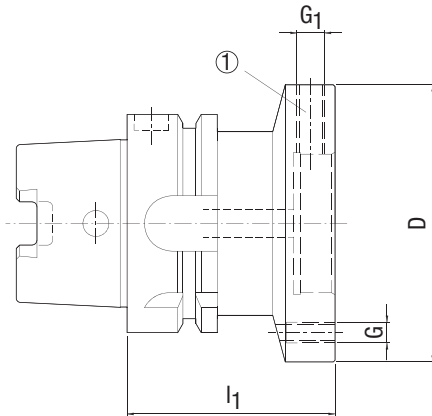
Balancing quality: G 6.3 at 3000 min⁻¹

Dimensions in mm.
Basic form AD. Please indicate form AF (prev. B) in your order.

Spare parts and accessories at the end of this chapter.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Modular Short Taper Adapter HSK-A as per DIN 69871



Nominal size HSK-A	Dimensions					Order designation	Order No.	Stock
	D	l ₁	G	G ₁	Weight kg			
40	60	60	M5	M8x1	0.7	16.150.40.60.Z	30615827	●
50	60	60	M5	M8x1	0.9	16.150.50.60.Z	30584456	●
50	70	60	M6	M8x1	1	16.150.50.70.Z	30584465	●
50	80	60	M6	M8x1	1.1	16.150.50.80.Z	30584469	●
63	60	60	M5	M8x1	1.3	16.150.63.60.Z	30584473	●
63	70	60	M6	M8x1	1.4	16.150.63.70.Z	30584477	●
63	80	60	M6	M8x1	1.5	16.150.63.80.Z	30584478	●
63	100	65	M8	M10x1	2.1	16.150.63.100.Z	30584481	●
63	117	65	M8	M10x1	2.5	16.150.63.117.Z	30584482	●
80	60	50	M5	M8x1	1.6	16.150.80.60.Z	30584487	●
80	70	60	M6	M8x1	2	16.150.80.70.Z	30584489	●
80	80	60	M6	M8x1	2.1	16.150.80.80.Z	30584490	●
80	100	65	M8	M10x1	2.6	16.150.80.100.Z	30584491	●
80	117	65	M8	M10x1	3.1	16.150.80.117.Z	30584492	●
80	140	75	M10	M10x1	4.2	16.150.80.140.Z	30584493	●
100	60	55	M5	M8x1	2.8	16.150.100.60.Z	30584495	●
100	70	55	M6	M8x1	2.8	16.150.100.70.Z	30584497	●
100	80	55	M6	M8x1	3	16.150.100.80.Z	30584498	●
100	100	65	M8	M10x1	3.7	16.150.100.100.Z	30584499	●
100	117	65	M8	M10x1	4	16.150.100.117.Z	30584500	●
100	140	75	M10	M10x1	5.2	16.150.100.140.Z	30584502	●

Spare parts: Grub Screw for HSK-A adapter as per DIN 69871

Module diameter D	Qty. required	① Grub Screw				
		Weight kg	Size	Order designation	Order No.	Stock
60-80	4	0.001	M8x1x16	89.122.685	10075355	●
100-140	4	0.001	M10x1x20	89.122.684	10075099	●

Supply includes: Complete with threaded pins for aligning the radial run-out, does not include coolant tube.

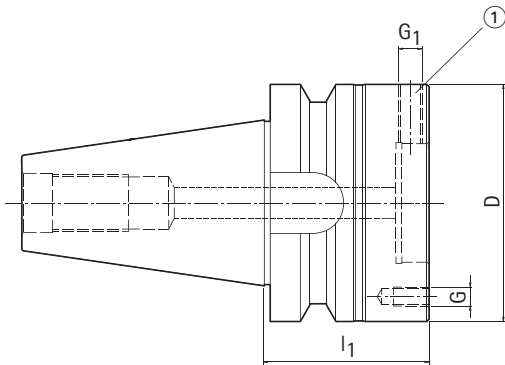
Balancing quality: G 2.5 bei 16000 min⁻¹

Dimensions in mm.

Spare parts and accessories at the end of this chapter.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Modular Short Taper Adapter MAS BT as per ISO 7388-2 (JIS B6339), Form JD



Nominal size BT	Dimensions					Order designation	Order No.	Stock
	D	l ₁	G	G ₁	Weight kg			
30	60	40	M5	M8x1	0.7	22.150.30.60.Z	30584725	●
30	70	40	M6	M8x1	0.8	22.150.30.70.Z	30584726	●
40	60	55	M5	M8x1	1.5	22.150.40.60.Z	30584734	●
40	70	55	M6	M8x1	1.6	22.150.40.70.Z	30584736	●
40	80	65	M6	M8x1	2	22.150.40.80.Z	30584751	●
40	100	70	M8	M10x1	2.6	22.150.40.100.Z	30584752	●
45	60	65	M5	M8x1	3	22.150.45.60.Z	30584755	○
45	70	65	M6	M8x1	3.1	22.150.45.70.Z	30584756	○
45	80	65	M6	M8x1	3.3	22.150.45.80.Z	30584757	○
45	100	75	M8	M10x1	3.5	22.150.45.100.Z	30584760	○
45	117	75	M8	M10x1	4.4	22.150.45.117.Z	30584762	○
50	60	70	M5	M8x1	4.8	22.150.50.60.Z	30584764	●
50	70	70	M6	M8x1	4.9	22.150.50.70.Z	30584765	●
50	80	70	M6	M8x1	5.1	22.150.50.80.Z	30584767	●
50	100	70	M8	M10x1	5.3	22.150.50.100.Z	30584769	●
50	117	80	M8	M10x1	6.3	22.150.50.117.Z	30584770	●
50	140	80	M10	M10x1	6.6	22.150.50.140.Z	30584772	●

Spare parts: Grub Screw for Modular Short Taper Adapter as per ISO 7388-2 (JIS B6339), Form JD

Module diameter D	Qty. required	① Grub Screw				
		Weight kg	Size	Order designation	Order No.	Stock
60-80	4	0.001	M8x1x16	89.122.685	10075355	●
100-140	4	0.001	M10x1x20	89.122.684	10075099	●

Usage: For use in the machine spindle for mounting KS flange adapters, shrink chucks, hydraulic chucks, chucks for cylindrical shanks or tools with a modular shank in accordance with MAPAL works standard.

Supply includes: Complete with threaded pins for aligning the radial run-out, does not include pull stud.

Design: Due to threaded pins the radial run-out of a connection or tool fitted can be adjusted exactly in relation to the steep taper.

Balancing quality: G 6.3 bei 3000 min⁻¹

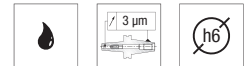
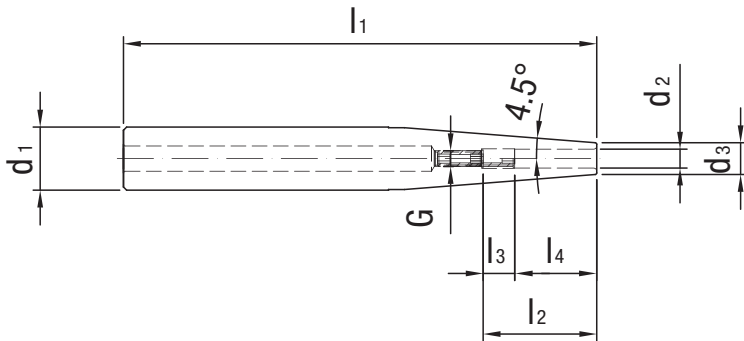
Dimensions in mm.

Spare parts and accessories at the end of this chapter.
BBT version on request.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Shrink Extension

As flexible adaptation



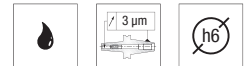
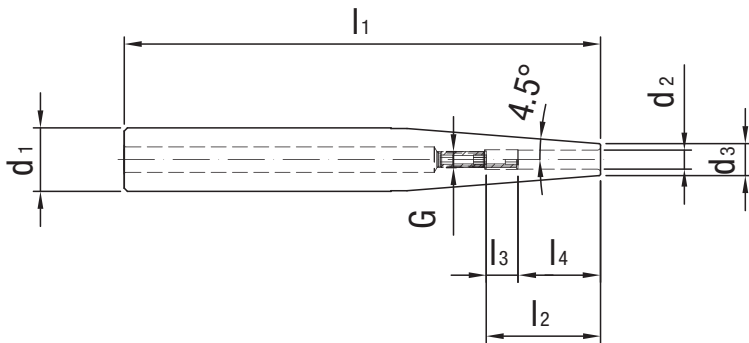
Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
12	3	8	150		12			0.1		40.357.12.03.Z	30344729	●
12	4	8	150		16			0.1		40.357.12.04.Z	30344730	●
12	5	10	150		20			0.1		40.357.12.05.Z	30344731	●
12	6	10	150	36	10	26	M5	2.5	0.1	40.357.12.06.Z	30344732	●
16	3	10	150		12			0.2		40.357.16.03.Z	30344733	●
16	4	10	150		16			0.2		40.357.16.04.Z	30344734	●
16	5	10	150		20			0.2		40.357.16.05.Z	30344735	●
16	6	10	150	36	10	26	M5	2.5	0.2	40.357.16.06.Z	30344736	●
16	8	12	150	36	10	26	M6	3	0.2	40.357.16.08.Z	30344737	●
20	3	10	150		12			0.3		40.357.20.03.Z	30344738	●
20	4	10	150		16			0.3		40.357.20.04.Z	30344739	●
20	5	10	150		20			0.3		40.357.20.05.Z	30344740	●
20	6	10	150	36	10	26	M5	2.5	0.3	40.357.20.06.Z	30344741	●
20	8	12	150	36	10	26	M6	3	0.3	40.357.20.08.Z	30344742	●
20	10	14	150	42	10	32	M8x1	3	0.3	40.357.20.10.Z	30344743	●
20	12	16	150	47	10	37	M10x1	5	0.3	40.357.20.12.Z	30344744	●

Dimensions in mm.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Shrink Extension

As flexible adaptation

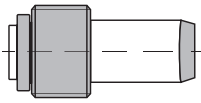


Dimensions							G	sw	Weight kg	Order designation	Order No.	Stock
d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄						
25	3	10	150		12			0.5		40.357.25.03.Z	30344745	●
25	4	10	150		16			0.5		40.357.25.04.Z	30344746	●
25	5	15	150		20			0.5		40.357.25.05.Z	30344747	●
25	6	20	150	36	10	26	M5	2.5	0.5	40.357.25.06.Z	30344748	●
25	8	20	150	36	10	26	M6	3	0.5	40.357.25.08.Z	30344749	●
25	10	20	150	42	10	32	M8x1	3	0.5	40.357.25.10.Z	30344750	●
25	12	20	150	47	10	37	M10x1	5	0.5	40.357.25.12.Z	30344751	●
25	14	20	150	47	10	37	M10x1	5	0.4	40.357.25.14.Z	30344752	●
25	16	22	150	50	10	40	M10x1	5	0.4	40.357.25.16.Z	30344753	●
32	6	20	150	36	10	26	M5	2.5	0.8	40.357.32.06.Z	30344754	●
32	8	20	150	36	10	26	M6	3	0.8	40.357.32.08.Z	30344755	●
32	10	24	150	42	10	32	M8x1	3	0.8	40.357.32.10.Z	30344756	●
32	12	24	150	47	10	37	M10x1	5	0.8	40.357.32.12.Z	30344757	●
32	14	27	150	47	10	37	M10x1	5	0.8	40.357.32.14.Z	30344758	●
32	16	27	150	50	10	40	M10x1	5	0.8	40.357.32.16.Z	30344759	●
32	18	27	150	50	10	40	M10x1	5	0.7	40.357.32.18.Z	30337832	●
32	20	27	150	52	10	42	M10x1	5	0.7	40.357.32.20.Z	30337833	●

Shrink Chucks

Coolant Transfer Pipe

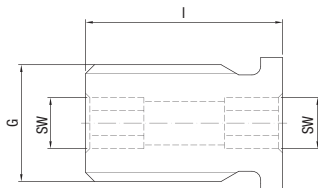
For DIN 69893-A/E



HSK	Weight kg	Order designation	Order No.	Stock
32	0.01	89.220.72	30326003	○
40	0.01	89.220.73	30326004	○
50	0.02	89.220.74	30326005	●
63	0.02	89.220.75	30326006	●
80	0.02	89.220.76	30326007	○
100	0.03	89.220.77	30326008	○

Stop Screw direct clamping

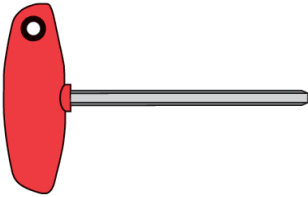
For axial length adjustment



G	sw	l	Weight kg	Order designation	Order No.	Stock
M5	2	14	0.001	89.122.102	30336661	●
M5	2.5	12.5	0.001	89.122.88	30252539	●
M6	2	14	0.001	89.122.98	30252537	●
M6	3	12.5	0.002	89.122.89	30252540	●
M8x1	3	13.5	0.004	89.122.23	30252541	●
M10x1	5	13.5	0.006	89.122.90	30252542	●
M12x1	5	13.5	0.011	89.122.24	30252543	●
M16x1	5	13.5	0.017	89.122.19	30252544	●
M16x1	8	13.5	0.021	89.122.91	30252547	●

Hexagonal T-key

For axial length adjustment



sw	l	Weight kg	Order designation	Order No.	Stock
2	200	0.02	89.206.09	10034235	●
2.5	150	0.02	89.206.01	10034540	●
3	150	0.02	89.206.02	10013347	●
5	150	0.06	89.206.03	10041807	●
8	150	0.1	89.206.04	10041808	●

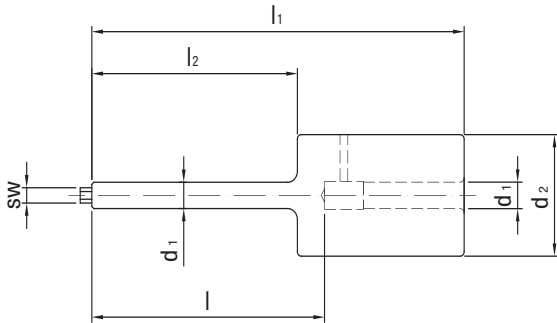
ISO Protective Gloves



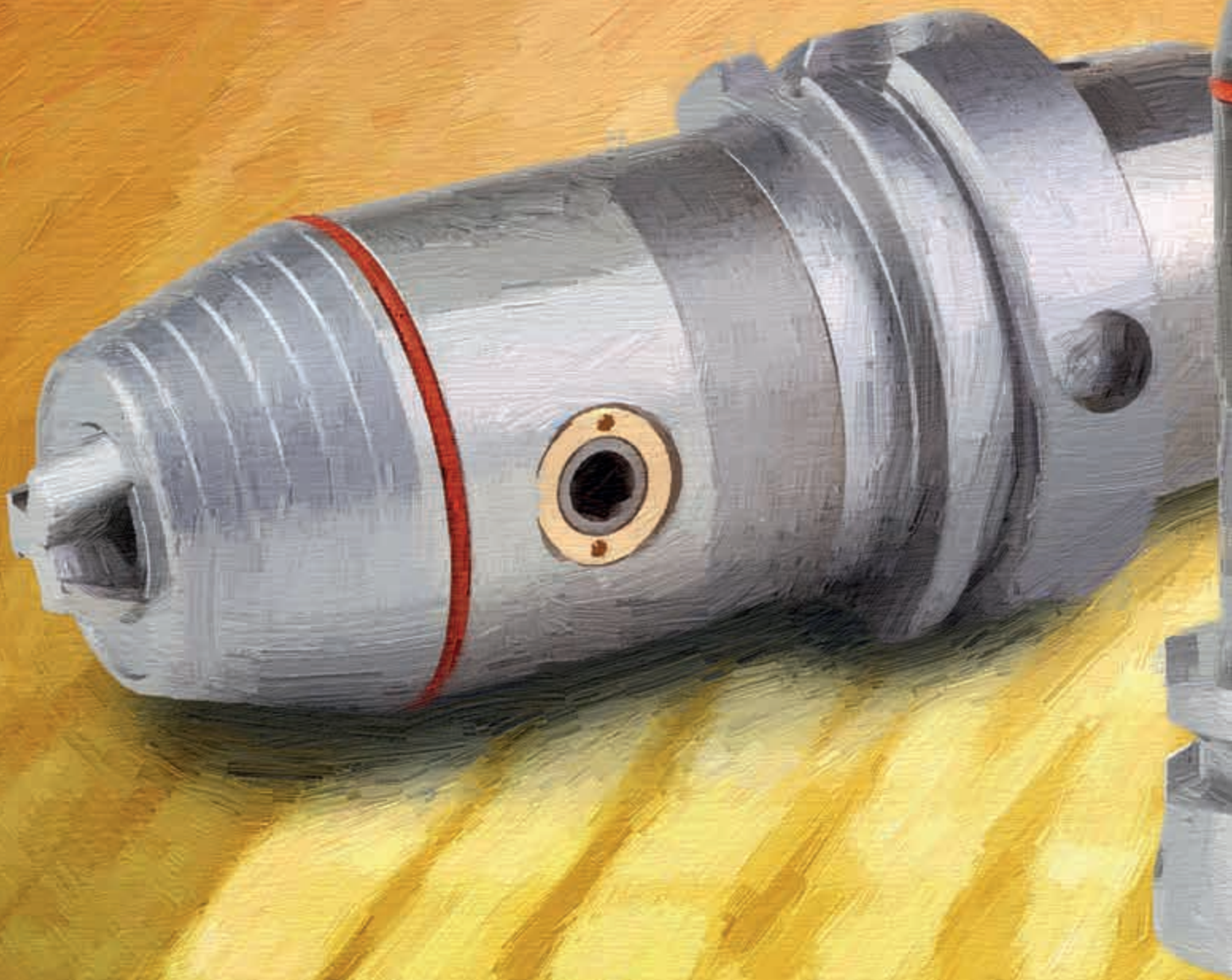
Weight kg	Order designation	Order No.	Stock
0.2	98.100.040	30336681	○

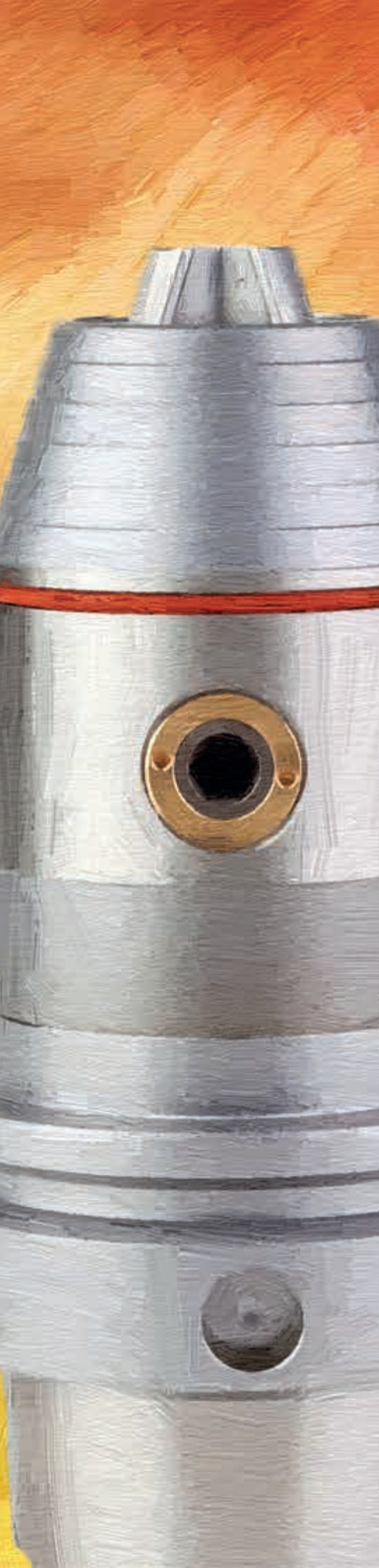
Length Presetter for Shrink Chucks

The WTE Length Presetter is used for easy length presetting of the tools before the shrink process. The stop screw must have a hexagon socket on two sides for length presetting with the appropriate careful and precise work method even with shrinkage accuracies of ± 0.02 mm are achieved.



Dimensions					sw	For	Weight kg	Order designation	Order No.	Stock
d ₁	d ₂	d ₃	l ₁	l ₂						
3	15	40	65	30	2	WTE Shrink Chucks	0.2	98.602.017	30345078	●
4	15	40	65	30	2	WTE Shrink Chucks	0.2	98.602.018	30387351	●
5	15	40	65	30	2	WTE Shrink Chucks	0.2	98.602.019	30387352	●
6	25	60	96	53	2.5	WTE Shrink Chucks	0.2	98.602.001	30345062	●
8	25	60	96	53	3	WTE Shrink Chucks	0.2	98.602.002	30345063	●
10	25	60	101	53	3	WTE Shrink Chucks	0.2	98.602.003	30345064	●
12	25	60	107	53	5	WTE Shrink Chucks	0.2	98.602.007	30345068	●
14	25	60	107	53	5	WTE Shrink Chucks	0.2	98.602.008	30345069	●
16	25	60	110	53	5	WTE Shrink Chucks	0.3	98.602.009	30345070	●
18	25	60	110	53	5	WTE Shrink Chucks	0.3	98.602.010	30345071	●
20	28	60	112	53	5	HSK 50;63	0.3	98.602.011	30345072	●
20	28	60	112	53	8	HSK 80;100/SK/BT	0.3	98.602.013	30345074	●
25	32	70	128	63	5	WTE Shrink Chucks HSK 63	0.3	98.602.020	30393208	●
25	32	70	128	63	8	HSK 80;100/SK/BT	0.3	98.602.021	30393210	●
32	40	70	132	63	5	HSK 63	0.3	98.602.022	30411108	●
32	40	70	132	63	8	HSK 80;100/SK/BT	0.3	98.602.023	30411109	●





CNC Precision Drill Chucks

- Maximum speed up to 35000 min⁻¹
- Various clamping ranges possible
- Reliable pinion-bevel gear drive
- Clockwise and counter-clockwise rotation possible
- Slim construction

Shank form SK as per ISO 7388-1

SK 30/40/45/50	Page	174-180
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Shank form HSK

HSK-A 32/40/50/63/80/100	Page	181-183
HSK-E 40/50/63	Page	184-185
HSK-F 40/50/63	Page	186

Shank form BT as per ISO 7388-2

BT 30/35/40/50	Page	187-189
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Machine specific shank forms

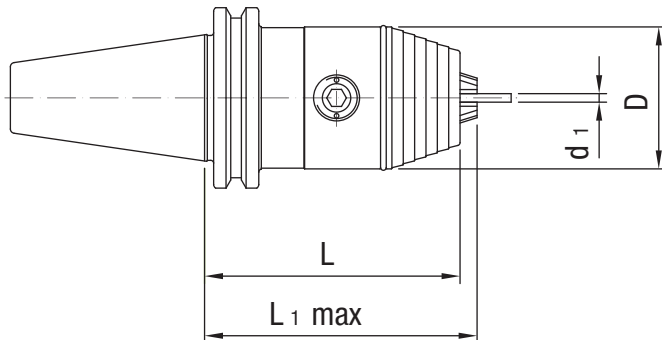
B 12/16/18	Page	190
CHIRON	Page	191-192
MK	Page	193-194
DIN 1835 B	Page	195-196
DIN 69880	Page	197-198
Wohlhaupter	Page	199-200
Deckel S20x2	Page	201
ABS Komet	Page	202
UTS Widia	Page	203-204
MAZAK	Page	205
PSC	Page	206-207
CHIRON FZ 08	Page	208
MORI-SEIKI	Page	209
VDI DIN 69871	Page	210

Spare parts & accessories

Spare parts & accessories	Page	211-225
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CNC Precision Drill Chuck ISO 7388-1

(prev. DIN 69871), for wood processing



Nominal size SK/ISO	WTE Norm	Clamping range d_1	Dimensions			Weight kg	Order designation	Order No.	Stock
			D	L	L_1 max.				
30	WTE 13	0.5 - 13	50	90	96	1.2	14.296.30.13/90	30335966	●
30	WTE 13	0.5 - 13	50	111	117	1.5	14.296.30.13	30335965	●
30	WTE 16	2.5 - 16	57	95	101	1.4	14.296.30.16/90	30335968	●
30	WTE 16	2.5 - 16	57	116	122	1.4	14.296.30.16	30335967	●
40	WTE 13	0.5 - 13	50	90	96	1.6	14.296.40.13	30335969	●
40	WTE 16	2.5 - 16	57	95	101	1.8	14.296.40.16	30335970	●

Dimensions in mm.

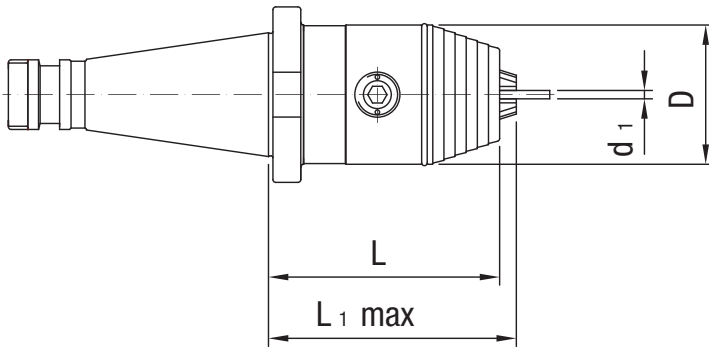
CNC Precision Drill Chuck without key block slot for the woodworking industry.

Spare parts and accessories at the end of this chapter.
Custom designs available on request.

● These products are available in stock.

○ Standard tool not on stock (delivery time on request).

CNC Precision Drill Chuck DIN 2080, Form A



Nominal size SK/ISO	WTE Norm	Clamping range	Dimensions			Weight kg	Order designation	Order No.	Stock
			D	L	L ₁ max.				
30	WTE 08	0.3 - 8	36	60	63	0.6	10.296.30.08	30335939	●
40	WTE 08	0.3 - 8	36	62	65	1.3	10.296.40.08	30335942	●
30	WTE 13	0.5 - 13	50	98	104	1.3	10.296.30.13	30335940	●
40	WTE 13	0.5 - 13	50	83	89	1.6	10.296.40.13	30335944	●
50	WTE 13	0.5 - 13	50	100	106	3.9	10.296.50.13	30335947	●
40	WTE 16	2.5 - 16	57	88	94	1.8	10.296.40.16	30335945	●
50	WTE 16	2.5 - 16	57	105	111	4.1	10.296.50.16	30335948	●

CNC Precision Drill Chucks

Dimensions in mm.

SK 30 as per DIN 2080, Form A.

SK 40 and SK 50 in accordance with DIN 2080 with ring.

Spare parts and accessories at the end of this chapter.

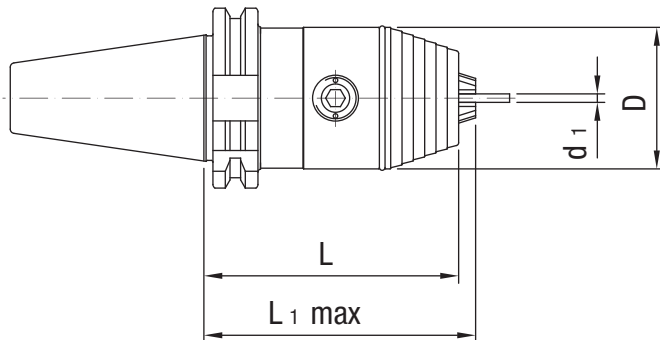
Custom designs available on request.

● These products are available in stock.

○ Standard tool not on stock (delivery time on request).

CNC Precision Drill Chuck ISO 7388-1, Form A

(prev. DIN 69871)



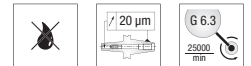
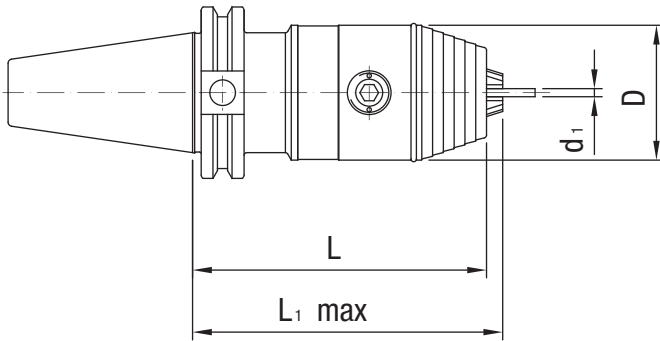
Nominal size SK/ISO	WTE Norm	Clamping range d_1	Dimensions			Weight kg	Order designation	Order No.	Stock
			D	L	L_1 max.				
30	WTE 08	0.3 - 8	36	70	73	0.7	11.296.30.08	30335949	●
40	WTE 08	0.3 - 8	36	70	73	1.3	11.296.40.08	30335952	●
30	WTE 13	0.5 - 13	50	111	117	1.5	11.296.30.13	30335950	●
40	WTE 13	0.5 - 13	50	90	96	1.6	11.296.40.13	30335953	●
45	WTE 13	0.5 - 13	50	90	96	2.4	11.296.45.13	30335955	●
50	WTE 13	0.5 - 13	50	106	112	4.1	11.296.50.13	30335959	●
40	WTE 16	2.5 - 16	57	95	101	1.8	11.296.40.16	30335954	●
45	WTE 16	2.5 - 16	57	95	101	2.6	11.296.45.16	30335957	●
50	WTE 16	2.5 - 16	57	111	117	4.3	11.296.50.16	30335962	●

Dimensions in mm.

Spare parts and accessories at the end of this chapter.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

CNC Precision Drill Chuck ANSI-CAT



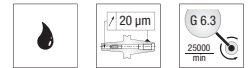
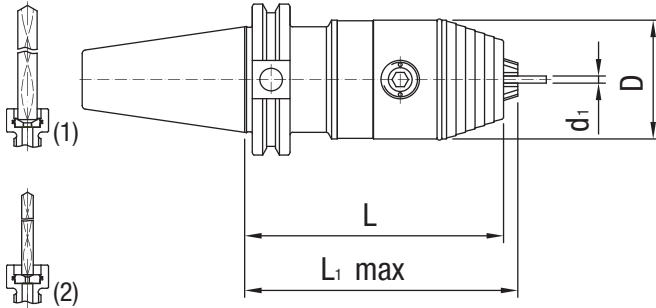
Nominal size SK/ISO	WTE Norm	Clamping range d_1	Dimensions			Weight kg	Order designation	Order No.	Stock
			D	L	L_1 max.				
40	WTE 13	0.5 - 13	50	109	115	1.8	30.296.40.13	30336091	●
50	WTE 13	0.5 - 13	50	106	112	4.1	30.296.50.13	30336093	●
40	WTE 16	2.5 - 16	57	114	120	2	30.296.40.16	30336092	●
50	WTE 16	2.5 - 16	57	111	117	4.3	30.296.50.16	30336094	●

Dimensions in mm.

Spare parts and accessories at the end of this chapter.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

CNC Precision Drill Chuck ANSI-CAT



Nominal size SK/ISO	WTE Norm	Clamping range	Dimensions			Weight kg	Order designation	Order No.	Stock
			d_1	D	L				
40	WTE 13 IK	0.5 - 13	50	109	115	2	31.296.40.13.Z	30336097	●
50	WTE 13 IK	0.5 - 13	50	106	112	3.9	31.296.50.13.Z	30336099	●
40	WTE 16 IK	2.5 - 16	57	114	120	2.2	31.296.40.16.Z	30336098	●
50	WTE 16 IK	2.5 - 16	57	111	117	4.1	31.296.50.16.Z	30336100	●

(1) WTE 13 sealing disk (\varnothing 4.2 mm) integrated into the drill chuck head, for inner coolant drills \varnothing 6-13 mm with smooth shank acc. to DIN 6535, Form HA.

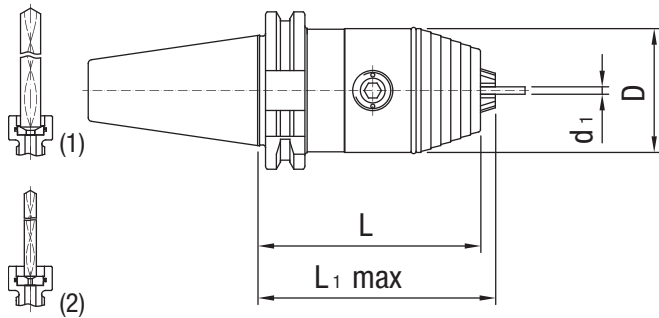
(2) WTE 13 sealing disk (\varnothing 2.05 mm) included in scope of supply, for inner coolant drills \varnothing 3-6 mm with smooth shank acc. to DIN 6535, Form HA.

(1) WTE 16 sealing disk (\varnothing 4.2 mm) integrated into the drill chuck head, for inner coolant drills \varnothing 6-16 mm with smooth shank acc. to DIN 6535, Form HA.

(2) WTE 16 sealing disk (\varnothing 2.05 mm) included in scope of supply, for inner coolant drills \varnothing 3-6 mm with smooth shank acc. to DIN 6535, Form HA.

CNC Precision Drill Chuck ISO 7388-1, Form AD/AF

(prev. DIN 69871-AD/B)



Nominal size SK/ISO	WTE Norm	Clamping range	Dimensions			Weight kg	Order designation	Order No.	Stock	
			d_1	D	L					L_1 max.
40	WTE 08 IK	0.3 - 8		36	73	76	1.3	15.296.40.08	30335971	●
40	WTE 13 IK	0.5 - 13		50	90	96	1.7	15.296.40.13	30335973	●
45	WTE 13 IK	0.5 - 13		50	96	102	2.5	15.296.45.13	30335979	●
50	WTE 13 IK	0.5 - 13		50	106	112	3.9	15.296.50.13	30335984	●
40	WTE 16 IK	2.5 - 16		57	95	101	1.9	15.296.40.16	30335976	●
45	WTE 16 IK	2.5 - 16		57	101	107	2.7	15.296.45.16	30335981	●
50	WTE 16 IK	2.5 - 16		57	111	117	4.1	15.296.50.16	30335986	●

(1) WTE 08 sealing disk (Ø 3.2 mm) integrated into the drill chuck head, for inner coolant drills Ø 4-8 mm with smooth shank acc. to DIN 6535, Form HA.

(2) WTE 08 sealing disk (Ø 1.8mm) included in scope of supply, for inner coolant drills Ø 2-4 mm with smooth shank acc. to DIN 6535, Form HA.

(1) WTE 13 sealing disk (Ø 4.2 mm) integrated into the drill chuck head, for inner coolant drills Ø 6-13 mm with smooth shank acc. to DIN 6535, Form HA.

(2) WTE 13 sealing disk (Ø 2.05 mm) included in scope of supply, for inner coolant drills Ø 3-6 mm with smooth shank acc. to DIN 6535, Form HA.

(1) WTE 16 sealing disk (Ø 4.2 mm) integrated into the drill chuck head, for inner coolant drills Ø 6-16 mm with smooth shank acc. to DIN 6535, Form HA.

(2) WTE 16 sealing disk (Ø 2.05 mm) included in scope of supply, for inner coolant drills Ø 3-6 mm with smooth shank acc. to DIN 6535, Form HA.

Dimensions in mm.

Basic setting Form AD. If Form AF (prev. B) is desired, please indicate when ordering.

Installation tool for sealing disk, see end of chapter.

Spare parts and accessories at the end of this chapter.

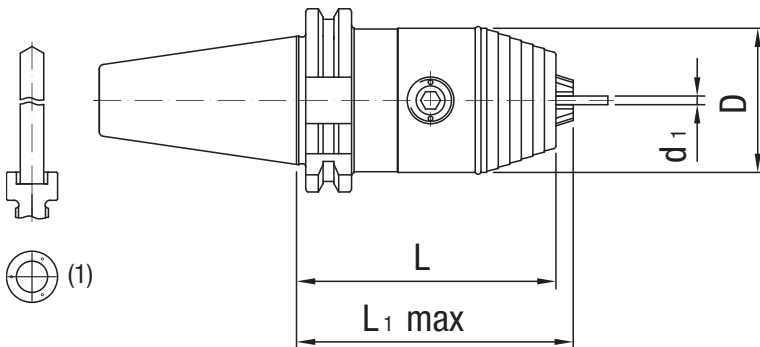
Custom designs available on request.

● These products are available in stock.

○ Standard tool not on stock (delivery time on request).

CNC Precision Drill Chuck ISO 7388-1, Form AD/AF

(prev. DIN 69871-AD/B)



Nominal size SK/ISO	WTE Norm	Clamping range d_1	Dimensions			Weight kg	Order designation	Order No.	Stock
			D	L	L_1 max.				
40	WTE 08 IK	0.3 - 8	36	73	76	1.3	15.296.40.08.ZBA	30335972	●
40	WTE 13 IK	0.5 - 13	50	90	96	1.7	15.296.40.13.ZBA	30335974	●
45	WTE 13 IK	0.5 - 13	50	96	102	2.5	15.296.45.13.ZBA	30335980	●
50	WTE 13 IK	0.5 - 13	50	106	112	3.9	15.296.50.13.ZBA	30335985	●
40	WTE 16 IK	2.5 - 16	57	95	101	1.9	15.296.40.16.ZBA	30335977	●
45	WTE 16 IK	2.5 - 16	57	101	107	2.7	15.296.45.16.ZBA	30335982	●
50	WTE 16 IK	2.5 - 16	57	111	117	4.1	15.296.50.16.ZBA	30335987	●

(1) Coolant supply for tools without coolant ducts.

Dimensions in mm.

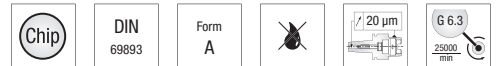
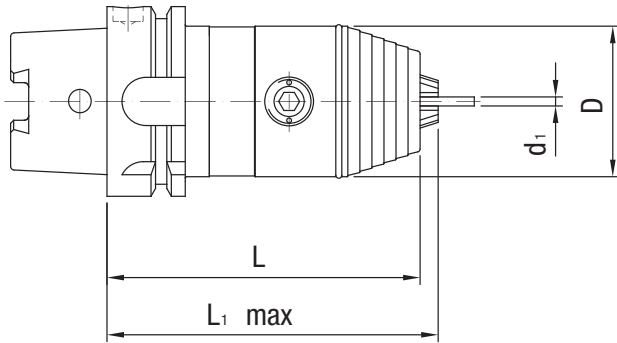
Basic setting Form AD. If Form AF (prev. B) is desired, please indicate when ordering.

Spare parts and accessories at the end of this chapter.
Custom designs available on request.

● These products are available in stock.

○ Standard tool not on stock (delivery time on request).

CNC Precision Drill Chuck DIN 69893-A



Nominal size HSK-A	WTE Norm	Clamping range	Dimensions			Weight kg	Order designation	Order No.	Stock
			d ₁	D	L				
32	WTE 08	0.3 - 8	36	90	93	0.5	16.296.32.08	30335995	●
40	WTE 08	0.3 - 8	36	91	94	0.5	16.296.40.08	30335998	●
50	WTE 08	0.3 - 8	36	95	98	0.7	16.296.50.08	30336001	●
63	WTE 08	0.3 - 8	36	96	99	1.1	16.296.63.08	30336010	●
50	WTE 13	0.5 - 13	50	116	122	1.4	16.296.50.13	30336004	●
63	WTE 13	0.5 - 13	50	104	110	1.7	16.296.63.13	30336013	●
80	WTE 13	0.5 - 13	50	109	115	2.1	16.296.80.13	30336021	●
100	WTE 13	0.5 - 13	50	111	117	3.1	16.296.100.13	30335988	●
50	WTE 16	2.5 - 16	57	121	127	1.7	16.296.50.16	30336007	●
63	WTE 16	2.5 - 16	57	109	115	1.9	16.296.63.16	30336017	●
80	WTE 16	2.5 - 16	57	114	120	2.3	16.296.80.16	30336024	●
100	WTE 16	2.5 - 16	57	116	122	3.3	16.296.100.16	30335992	●

CNC Precision Drill Chucks

Dimensions in mm.

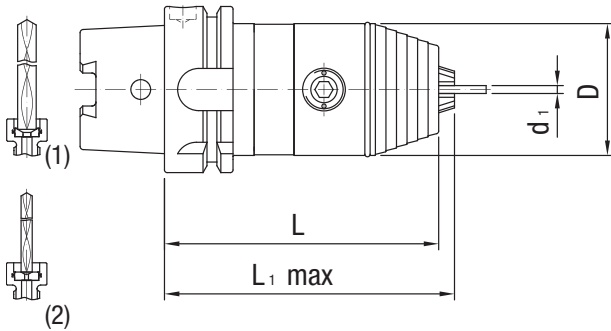
Spare parts and accessories at the end of this chapter.

Custom designs available on request.

● These products are available in stock.

○ Standard tool not on stock (delivery time on request).

CNC Precision Drill Chuck DIN 69893-A



Nominal size HSK-A	WTE Norm	Clamping range	Dimensions			Weight kg	Order designation	Order No.	Stock
			d ₁	D	L				
32	WTE 08 IK	0.3 - 8	36	90	93	0.5	16.296.32.08.Z	30335996	●
40	WTE 08 IK	0.3 - 8	36	91	94	0.5	16.296.40.08.Z	30335999	●
50	WTE 08 IK	0.3 - 8	36	95	98	0.7	16.296.50.08.Z	30336002	●
63	WTE 08 IK	0.3 - 8	36	96	99	1.1	16.296.63.08.Z	30336011	●
50	WTE 13 IKT	0.5 - 13	50	116	122	1.4	16.296.50.13.Z	30336005	●
63	WTE 13 IKT	0.5 - 13	50	104	110	1.7	16.296.63.13.Z	30336014	●
80	WTE 13 IK	0.5 - 13	50	109	115	2.1	16.296.80.13.Z	30336022	●
100	WTE 13 IK	0.5 - 13	50	111	117	3.1	16.296.100.13.Z	30335989	●
50	WTE 16 IKT	2.5 - 16	57	121	127	1.7	16.296.50.16.Z	30336008	●
63	WTE 16 IKT	2.5 - 16	57	109	115	1.9	16.296.63.16.Z	30336018	●
80	WTE 16 IK	2.5 - 16	57	114	120	2.3	16.296.80.16.Z	30336025	●
100	WTE 16 IK	2.5 - 16	57	116	122	3.3	16.296.100.16.Z	30335993	●

(1) WTE 08 sealing disk (Ø 3.2 mm) integrated into the drill chuck head, for inner coolant drills Ø 4-8 mm with smooth shank acc. to DIN 6535, Form HA.

(2) WTE 08 sealing disk (Ø 1.8mm) included in scope of supply, for inner coolant drills Ø 2-4 mm with smooth shank acc. to DIN 6535, Form HA.

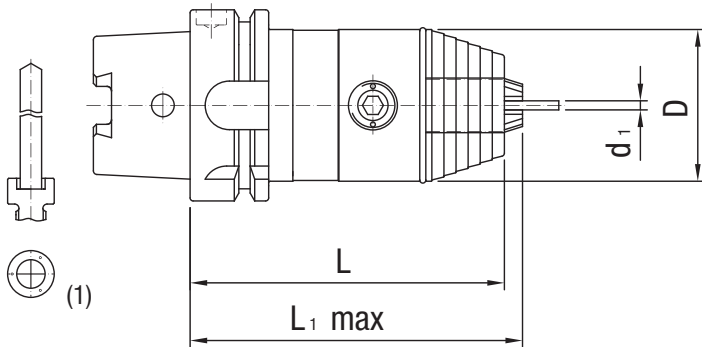
(1) WTE 13 sealing disk (Ø 4.2 mm) integrated into the drill chuck head, for inner coolant drills Ø 6-13 mm with smooth shank acc. to DIN 6535, Form HA.

(2) WTE 13 sealing disk (Ø 2.05 mm) included in scope of supply, for inner coolant drills Ø 3-6 mm with smooth shank acc. to DIN 6535, Form HA.

(1) WTE 16 sealing disk (Ø 4.2 mm) integrated into the drill chuck head, for inner coolant drills Ø 6-16 mm with smooth shank acc. to DIN 6535, Form HA.

(2) WTE 16 sealing disk (Ø 2.05 mm) included in scope of supply, for inner coolant drills Ø 3-6 mm with smooth shank acc. to DIN 6535, Form HA.

CNC Precision Drill Chuck DIN 69893-A



Nominal size HSK-A	WTE Norm	Clamping range	Dimensions			Weight kg	Order designation	Order No.	Stock
			d ₁	D	L				
32	WTE 08	0.3 - 8	36	90	93	0.5	16.296.32.08.ZBA	30335997	●
40	WTE 08	0.3 - 8	36	91	94	0.5	16.296.40.08.ZBA	30336000	●
50	WTE 08	0.3 - 8	36	95	98	0.7	16.296.50.08.ZBA	30336003	●
63	WTE 08	0.3 - 8	36	96	99	1.1	16.296.63.08.ZBA	30336012	●
50	WTE 13	0.5 - 13	50	116	122	1.4	16.296.50.13.ZBA	30336006	●
63	WTE 13	0.5 - 13	50	104	110	1.7	16.296.63.13.ZBA	30336016	●
80	WTE 13	0.5 - 13	50	109	115	2.1	16.296.80.13.ZBA	30336023	●
100	WTE 13	0.5 - 13	50	111	117	3.1	16.296.100.13.ZBA	30335990	●
50	WTE 16	2.5 - 16	57	121	127	1.7	16.296.50.16.ZBA	30336009	●
63	WTE 16	2.5 - 16	57	109	115	1.9	16.296.63.16.ZBA	30336020	●
80	WTE 16	2.5 - 16	57	114	120	2.3	16.296.80.16.ZBA	30336026	●
100	WTE 16	2.5 - 16	57	116	122	3.3	16.296.100.16.ZBA	30335994	●

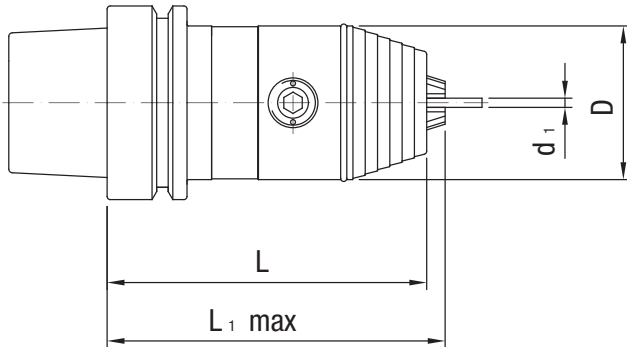
(1) Coolant supply for tools without coolant ducts.

Dimensions in mm.
Coolant pipe not included in scope of supply.

Spare parts and accessories at the end of this chapter.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

CNC Precision Drill Chuck DIN 69893-E



Nominal size HSK-E	WTE Norm	Clamping range d_1	Dimensions			Weight kg	Order designation	Order No.	Stock
			D	L	L_1 max.				
40	WTE 08	0.3 - 8	36	91	94	0.7	18.296.40.08	30336033	●
50	WTE 08	0.3 - 8	36	95	98	1	18.296.50.08	30336035	●
63	WTE 08	0.3 - 8	36	96	99	1.2	18.296.63.08	30336043	●
50	WTE 13	0.5 - 13	50	116	122	1.5	18.296.50.13	30336038	●
63	WTE 13	0.5 - 13	50	104	110	1.7	18.296.63.13	30336045	●
50	WTE 16	2.5 - 16	57	121	127	1.6	18.296.50.16	30336041	●
63	WTE 16	2.5 - 16	57	109	115	1.8	18.296.63.16	30336047	●

Dimensions in mm.

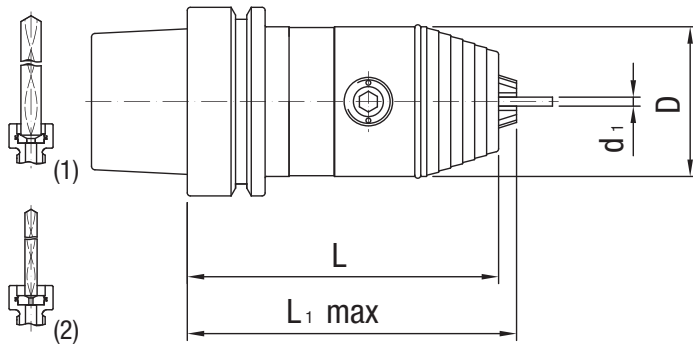
Spare parts and accessories at the end of this chapter.

Custom designs available on request.

● These products are available in stock.

○ Standard tool not on stock (delivery time on request).

CNC Precision Drill Chuck DIN 69893-E



Nominal size HSK-E	WTE Norm	Clamping range	Dimensions			Weight kg	Order designation	Order No.	Stock
			d ₁	D	L				
40	WTE 08 IK	0.3 - 8	36	91	94	0.7	18.296.40.08.Z	30336034	●
50	WTE 08 IK	0.3 - 8	36	95	98	1	18.296.50.08.Z	30336036	●
63	WTE 08 IK	0.3 - 8	36	96	99	1.2	18.296.63.08.Z	30336044	●
50	WTE 13 IKT	0.5 - 13	50	116	122	1.5	18.296.50.13.Z	30336039	●
63	WTE 13 IKT	0.5 - 13	50	104	110	1.7	18.296.63.13.Z	30336046	●
50	WTE 16 IKT	2.5 - 16	57	121	127	1.6	18.296.50.16.Z	30336042	●
63	WTE 16 IKT	2.5 - 16	57	109	115	1.8	18.296.63.16.Z	30336048	●

(1) WTE 08 sealing disk (Ø 3.2 mm) integrated into the drill chuck head, for inner coolant drills Ø 4-8 mm with smooth shank acc. to DIN 6535, Form HA.

(2) WTE 08 sealing disk (Ø 1.8mm) included in scope of supply, for inner coolant drills Ø 2-4 mm with smooth shank acc. to DIN 6535, Form HA.

(1) WTE 13 sealing disk (Ø 4.2 mm) integrated into the drill chuck head, for inner coolant drills Ø 6-13 mm with smooth shank acc. to DIN 6535, Form HA.

(2) WTE 13 sealing disk (Ø 2.05 mm) included in scope of supply, for inner coolant drills Ø 3-6 mm with smooth shank acc. to DIN 6535, Form HA.

(1) WTE 16 sealing disk (Ø 4.2 mm) integrated into the drill chuck head, for inner coolant drills Ø 6-16 mm with smooth shank acc. to DIN 6535, Form HA.

(2) WTE 16 sealing disk (Ø 2.05 mm) included in scope of supply, for inner coolant drills Ø 3-6 mm with smooth shank acc. to DIN 6535, Form HA.

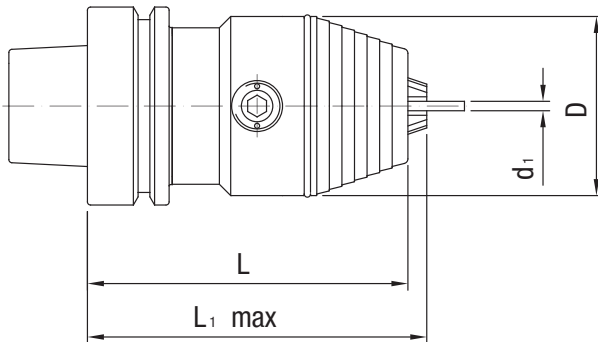
Dimensions in mm.

Coolant pipe not included in scope of supply.
Installation tool for sealing disk, see end of chapter.

Spare parts and accessories at the end of this chapter.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

CNC Precision Drill Chuck DIN 69893-F



Nominal size HSK-F	WTE Norm	Clamping range d_1	Dimensions			Weight kg	Order designation	Order No.	Stock
			D	L	L_1 max.				
40	WTE 08	0.3 - 8	36	87	90	0.6	17.296.40.08	30336027	●
50	WTE 13	0.5 - 13	50	116	122	1.5	17.296.50.13	30336028	●
63	WTE 13	0.5 - 13	50	97	103	1.7	17.296.63.13	30336031	●
50	WTE 16	2.5 - 16	57	121	127	1.6	17.296.50.16	30336029	●
63	WTE 16	2.5 - 16	57	102	108	1.8	17.296.63.16	30336032	●

Dimensions in mm.

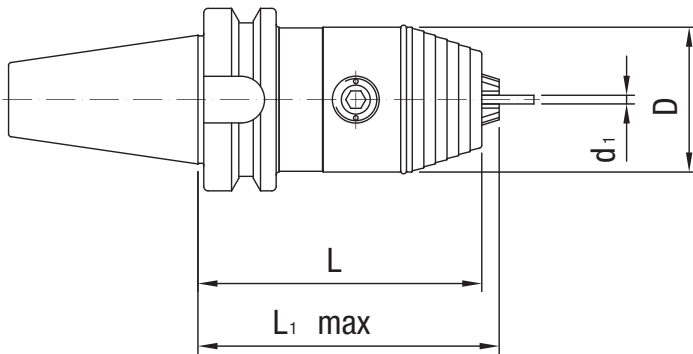
Spare parts and accessories at the end of this chapter.

Custom designs available on request.

● These products are available in stock.

○ Standard tool not on stock (delivery time on request).

CNC Precision Drill Chuck ISO 7388-2 (JIS B6339), Form J



Nominal size BT	WTE Norm	Clamping range d_1	Dimensions			Weight kg	Order designation	Order No.	Stock
			D	L	$L_1 \text{ max.}$				
30	WTE 08	0.3 - 8	36	74	77	0.7	20.296.30.08	30336049	●
35	WTE 08	0.3 - 8	36	75	78	1	20.296.35.08	30336052	●
40	WTE 08	0.3 - 8	36	78	81	1.4	20.296.40.08	30336055	●
30	WTE 13	0.5 - 13	50	96	102	1.3	20.296.30.13	30336050	●
35	WTE 13	0.5 - 13	50	95	101	1.4	20.296.35.13	30336053	●
40	WTE 13	0.5 - 13	50	98	104	1.8	20.296.40.13	30336056	●
50	WTE 13	0.5 - 13	50	110	116	4.4	20.296.50.13	30336060	●
40	WTE 16	2.5 - 16	57	103	109	2	20.296.40.16	30336057	●
50	WTE 16	2.5 - 16	57	115	121	4.7	20.296.50.16	30336061	●

CNC Precision Drill Chucks

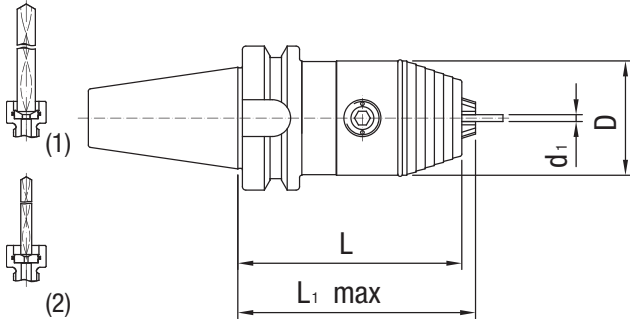
Dimensions in mm.
Spare parts and accessories at the end of this chapter.

BBT version on request.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

CNC Precision Drill Chuck ISO 7388-2 (JIS B6339), Form J

coolant supply as per ISO 7388-2, Form JD/JF



Nominal size BT	WTE Norm	Clamping range	Dimensions			Weight kg	Order designation	Order No.	Stock
			d_1	D	L				
40	WTE 08 IK	0.3 - 8	36	81	84	1.3	22.296.40.08	30336062	●
40	WTE 13 IK	0.5 - 13	50	98	104	1.8	22.296.40.13	30336064	●
50	WTE 13 IK	0.5 - 13	50	110	116	4.4	22.296.50.13	30336070	●
40	WTE 16 IK	2.5 - 16	57	103	109	2	22.296.40.16	30336067	●
50	WTE 16 IK	2.5 - 16	57	115	121	4.7	22.296.50.16	30336072	●

(1) WTE 08 sealing disk (\varnothing 3.2 mm) integrated into the drill chuck head, for inner coolant drills \varnothing 4-8 mm with smooth shank acc. to DIN 6535, Form HA.

(2) WTE 08 sealing disk (\varnothing 1.8mm) included in scope of supply, for inner coolant drills \varnothing 2-4 mm with smooth shank acc. to DIN 6535, Form HA.

(1) WTE 13 sealing disk (\varnothing 4.2 mm) integrated into the drill chuck head, for inner coolant drills \varnothing 6-13 mm with smooth shank acc. to DIN 6535, Form HA.

(2) WTE 13 sealing disk (\varnothing 2.05 mm) included in scope of supply, for inner coolant drills \varnothing 3-6 mm with smooth shank acc. to DIN 6535, Form HA.

(1) WTE 16 sealing disk (\varnothing 4.2 mm) integrated into the drill chuck head, for inner coolant drills \varnothing 6-16 mm with smooth shank acc. to DIN 6535, Form HA.

(2) WTE 16 sealing disk (\varnothing 2.05 mm) included in scope of supply, for inner coolant drills \varnothing 3-6 mm with smooth shank acc. to DIN 6535, Form HA.

Dimensions in mm.

Basic form JD. Please indicate form JF (prev. B) in your order.

Spare parts and accessories at the end of this chapter.

BBT version on request.

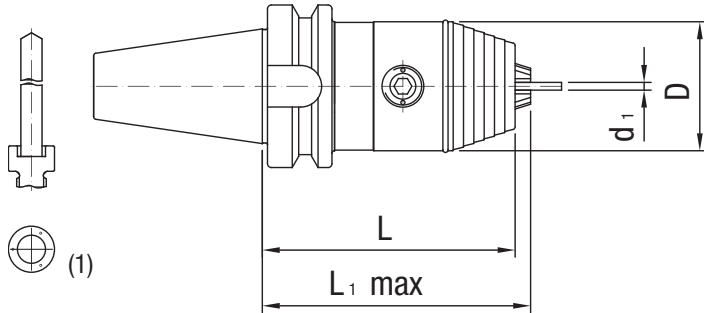
Custom designs available on request.

● These products are available in stock.

○ Standard tool not on stock (delivery time on request).

CNC Precision Drill Chuck ISO 7388-2 (JIS B6339), Form J

coolant supply as per ISO 7388-2, Form JD/JF



Nominal size BT	WTE Norm	Clamping range d_1	Dimensions			Weight kg	Order designation	Order No.	Stock
			D	L	L_1 max.				
40	WTE 08 IK	0.3 - 8	36	81	84	1.3	22.296.40.08.ZBA	30336063	●
40	WTE 13 IK	0.5 - 13	50	98	104	1.8	22.296.40.13.ZBA	30336065	●
50	WTE 13 IK	0.5 - 13	50	110	116	4.4	22.296.50.13.ZBA	30336071	●
40	WTE 16 IK	2.5 - 16	57	103	109	2	22.296.40.16.ZBA	30336068	●
50	WTE 16 IK	2.5 - 16	57	115	121	4.7	22.296.50.16.ZBA	30336073	●

(1) Coolant supply for tools without coolant ducts.

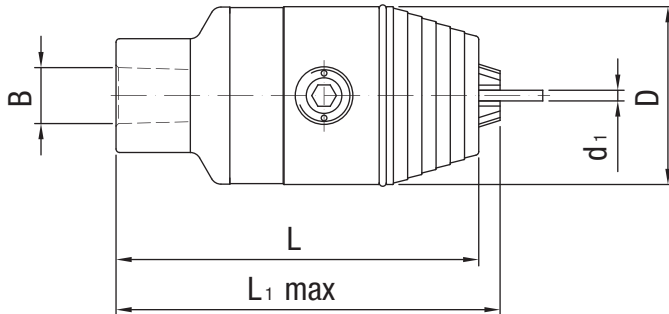
Dimensions in mm.
Basic form JD. Please indicate form JF (prev. B)
in your order.

Spare parts and accessories at the end of this chapter.
BBT version on request.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

CNC Precision Drill Chuck WTE Plus

As per DIN 238



Nominal size B	WTE Norm	Clamping range	Dimensions			Weight kg	Order designation	Order No.	Stock	
			d_1	D	L					L_1 max.
B 12	WTE 08	0.3 - 8		36	76	79	0.4	12.296.B12.08	30344488	●
B 12	WTE 13	0.5 - 13		50	98	104	1.1	12.296.B12.13	30344489	●
B 16	WTE 08	0.3 - 8		36	82	85	0.5	12.296.B16.08	30344490	●
B 16	WTE 13	0.5 - 13		50	102	108	1.1	12.296.B16.13	30344491	●
B 16	WTE 16	2.5 - 16		57	107	113	1.3	12.296.B16.16	30344492	●
B 18	WTE 13	0.5 - 13		50	110	116	1.2	12.296.B18.13	30344493	●
B 18	WTE 16	2.5 - 16		57	115	121	1.4	12.296.B18.16	30344494	●

Dimensions in mm.

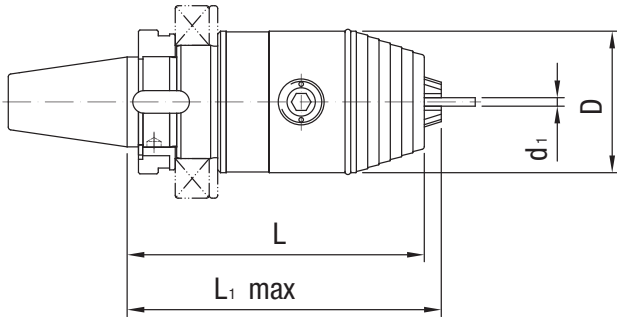
Spare parts and accessories at the end of this chapter.

Custom designs available on request.

● These products are available in stock.

○ Standard tool not on stock (delivery time on request).

CNC Precision Drill Chuck CHIRON



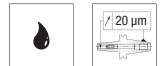
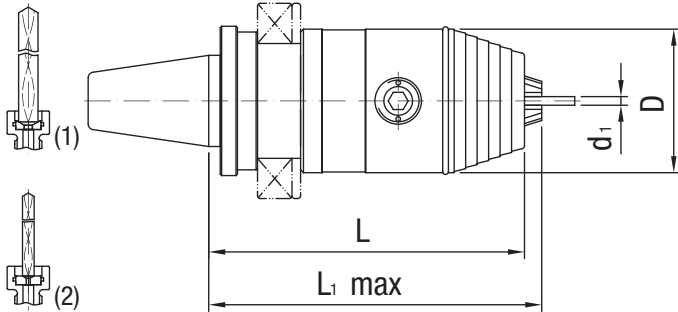
Nominal size CHIRON	WTE Norm	Clamping range d_1	Dimensions			Weight kg	Order designation	Order No.	Stock
			D	L	L_1 max.				
30	WTE 08	0.3 - 8	36	85	88	0.8	25.296.30.08	30336083	●
30	WTE 13	0.5 - 13	50	105	111	1.4	25.296.30.13	30336085	●
30	WTE 16	2.5 - 16	57	110	116	1.6	25.296.30.16	30336087	●

Dimensions in mm.
Ball bearing (CHIRON) not included in scope of supply.

Spare parts and accessories at the end of this chapter.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

CNC Precision Drill Chuck CHIRON



Nominal size CHIRON	WTE Norm	Clamping range d_1	Dimensions			Weight kg	Order designation	Order No.	Stock
			D	L	L_1 max.				
30	WTE 08 IK	0.3 - 8	36	89	92	0.9	25.296.30.08.Z	30336084	●
30	WTE 13 IKT	0.5 - 13	50	110	116	1.5	25.296.30.13.Z	30336086	●
30	WTE 16 IKT	2.5 - 16	57	115	121	1.6	25.296.30.16.Z	30336088	●

(1) WTE 08 sealing disk (\emptyset 3.2 mm) integrated into the drill chuck head, for inner coolant drills \emptyset 4-8 mm with smooth shank acc. to DIN 6535, Form HA.

(2) WTE 08 sealing disk (\emptyset 1.8 mm) included in scope of supply, for inner coolant drills \emptyset 2-4 mm with smooth shank acc. to DIN 6535, Form HA.

(1) WTE 13 sealing disk (\emptyset 4.2 mm) integrated into the drill chuck head, for inner coolant drills \emptyset 6-13 mm with smooth shank acc. to DIN 6535, Form HA.

(2) WTE 13 sealing disk (\emptyset 2.05 mm) included in scope of supply, for inner coolant drills \emptyset 3-6 mm with smooth shank acc. to DIN 6535, Form HA.

(1) WTE 16 sealing disk (\emptyset 4.2 mm) integrated into the drill chuck head, for inner coolant drills \emptyset 6-16 mm with smooth shank acc. to DIN 6535, Form HA.

(2) WTE 16 sealing disk (\emptyset 2.05 mm) included in scope of supply, for inner coolant drills \emptyset 3-6 mm with smooth shank acc. to DIN 6535, Form HA.

Dimensions in mm.

Installation tool for sealing disk, see end of chapter.

Ball bearing (CHIRON) not included in scope of supply.

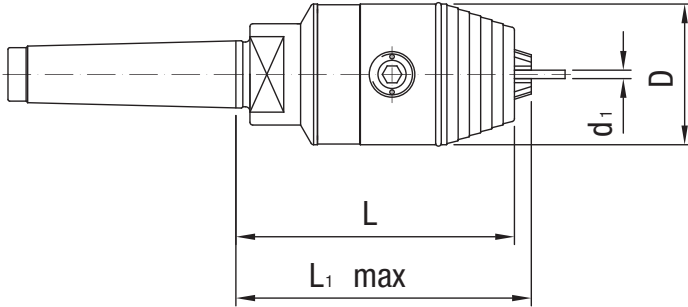
Spare parts and accessories at the end of this chapter.

Custom designs available on request.

● These products are available in stock.

○ Standard tool not on stock (delivery time on request).

CNC Precision Drill Chuck DIN 228-A



Nominal size MK	WTE Norm	Clamping range d_1	Dimensions			Weight kg	Order designation	Order No.	Stock
			D	L	L_1 max.				
MK2	WTE 08	0.3 - 8	36	73	76	0.7	36.296.02.08	30336113	●
MK3	WTE 08	0.3 - 8	36	73	76	0.8	36.296.03.08	30336115	●
MK2	WTE 13	0.5 - 13	50	99	105	1.1	36.296.02.13	30336114	●
MK3	WTE 13	0.5 - 13	50	99	105	1.2	36.296.03.13	30336116	●
MK4	WTE 13	0.5 - 13	50	104	110	1.6	36.296.04.13	30336118	●
MK5	WTE 13	0.5 - 13	50	106	112	2.6	36.296.05.13	30336120	●
MK3	WTE 16	2.5 - 16	57	104	110	1.4	36.296.03.16	30336117	●
MK4	WTE 16	2.5 - 16	57	109	115	1.9	36.296.04.16	30336119	●
MK5	WTE 16	2.5 - 16	57	111	117	2.8	36.296.05.16	30336121	●

CNC Precision Drill Chucks

Dimensions in mm.

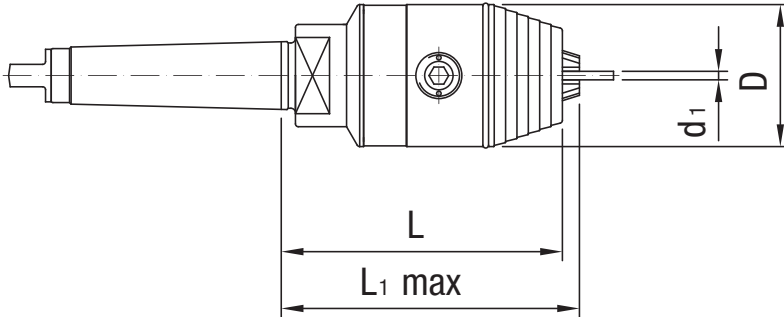
Spare parts and accessories at the end of this chapter.

Custom designs available on request.

● These products are available in stock.

○ Standard tool not on stock (delivery time on request).

CNC Precision Drill Chuck DIN 228-B



Nominal size MK	WTE Norm	Clamping range	Dimensions			Weight kg	Order designation	Order No.	Stock
			d ₁	D	L				
MK2	WTE 08	0.3 - 8	36	73	76	0.7	37.296.02.08	30336122	●
MK3	WTE 08	0.3 - 8	36	73	76	0.8	37.296.03.08	30336125	●
MK2	WTE 13	0.5 - 13	50	99	105	1.1	37.296.02.13	30336123	●
MK3	WTE 13	0.5 - 13	50	99	105	1.2	37.296.03.13	30336126	●
MK4	WTE 13	0.5 - 13	50	104	110	1.6	37.296.04.13	30336128	●
MK5	WTE 13	0.5 - 13	50	106	112	2.6	37.296.05.13	30336130	●
MK3	WTE 16	2.5 - 16	57	104	110	1.4	37.296.03.16	30336127	●
MK4	WTE 16	2.5 - 16	57	109	115	1.9	37.296.04.16	30336129	●
MK5	WTE 16	2.5 - 16	57	111	117	2.8	37.296.05.16	30336131	●

Dimensions in mm.

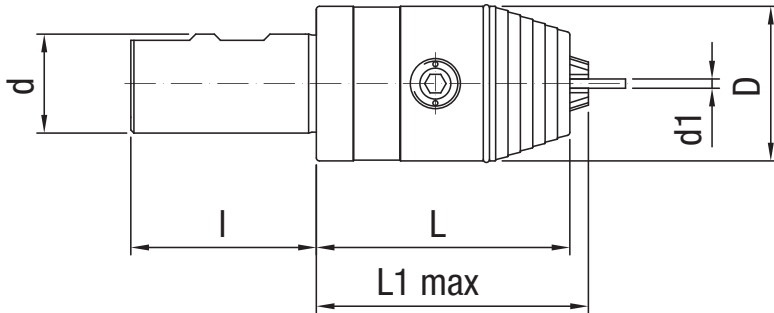
Spare parts and accessories at the end of this chapter.

Custom designs available on request.

● These products are available in stock.

○ Standard tool not on stock (delivery time on request).

CNC Precision Drill Chuck DIN 1835-B



Nominal size DIN 1835-B	WTE Norm	Clamping range	Dimensions			Weight kg	Order designation	Order No.	Stock
			d ₁	D	L				
20x50	WTE 08	0.3 - 8	36	59	62	0.8	40.296.20.08	30336132	●
25x56	WTE 08	0.3 - 8	36	52	55	0.9	40.296.25.08	30336135	●
32x60	WTE 08	0.3 - 8	36	52	55	1	40.296.32.08	30336138	●
20x50	WTE 13	0.5 - 13	50	82	88	1.1	40.296.20.13	30336133	●
25x56	WTE 13	0.5 - 13	50	82	88	1.2	40.296.25.13	30336136	●
32x60	WTE 13	0.5 - 13	50	82	88	1.3	40.296.32.13	30336139	●
40x70	WTE 13	0.5 - 13	50	80	86	1.6	40.296.40.13	30336141	●
50x80	WTE 13	0.5 - 13	50	80	86	2.2	40.296.50.13	30336143	●
25x56	WTE 16	2.5 - 16	57	87	93	1.4	40.296.25.16	30336137	●
32x60	WTE 16	2.5 - 16	57	87	93	1.5	40.296.32.16	30336140	●
40x70	WTE 16	2.5 - 16	57	85	91	1.8	40.296.40.16	30336142	●
50x80	WTE 16	2.5 - 16	57	85	91	2.4	40.296.50.16	30336144	●

Dimensions in mm.

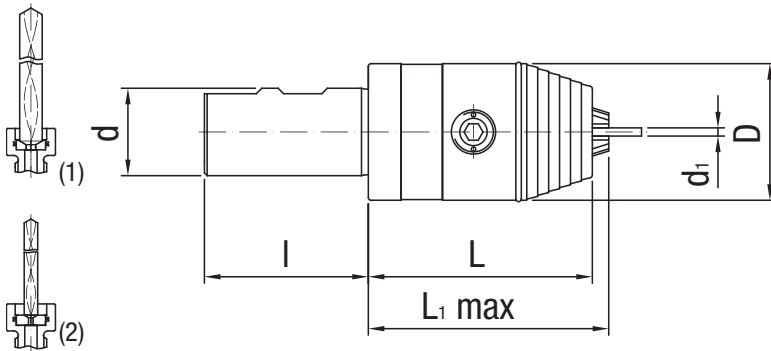
Spare parts and accessories at the end of this chapter.

Custom designs available on request.

● These products are available in stock.

○ Standard tool not on stock (delivery time on request).

CNC Precision Drill Chuck DIN 1835-B



Nominal size DIN 1835-B	WTE Norm	Clamping range	Dimensions			Weight kg	Order designation	Order No.	Stock
			d_1	D	L				
20x50	WTE 08 IK	0.3 - 8							
25x56	WTE 08 IK	0.3 - 8	36	59	62	0.8	41.296.20.08.Z	30336145	●
32x60	WTE 08 IK	0.3 - 8	36	52	55	0.9	41.296.25.08.Z	30336148	●
			36	52	55	1	41.296.32.08.Z	30336154	●
20x50	WTE 13 IK	0.5 - 13							
25x56	WTE 13 IK	0.5 - 13	50	82	88	1.1	41.296.20.13.Z	30336146	●
32x60	WTE 13 IK	0.5 - 13	50	82	88	1.2	41.296.25.13.Z	30336150	●
40x70	WTE 13 IK	0.5 - 13	50	82	88	1.3	41.296.32.13.Z	30336155	●
50x80	WTE 13 IK	0.5 - 13	50	80	86	1.6	41.296.40.13.Z	30336158	●
			50	80	86	2.2	41.296.50.13.Z	30336162	●
25x56	WTE 16 IK	2.5 - 16							
32x60	WTE 16 IK	2.5 - 16	57	87	93	1.4	41.296.25.16.Z	30336152	●
40x70	WTE 16 IK	2.5 - 16	57	87	93	1.5	41.296.32.16.Z	30336157	●
50x80	WTE 16 IK	2.5 - 16	57	85	91	1.8	41.296.40.16.Z	30336160	●
			57	85	91	2.4	41.296.50.16.Z	30336163	●

(1) WTE 08 sealing disk (Ø 3.2 mm) integrated into the drill chuck head, for inner coolant drills Ø 4-8 mm with smooth shank acc. to DIN 6535, Form HA.

(2) WTE 08 sealing disk (Ø 1.8mm) included in scope of supply, for inner coolant drills Ø 2-4 mm with smooth shank acc. to DIN 6535, Form HA.

(1) WTE 13 sealing disk (Ø 4.2 mm) integrated into the drill chuck head, for inner coolant drills Ø 6-13 mm with smooth shank acc. to DIN 6535, Form HA.

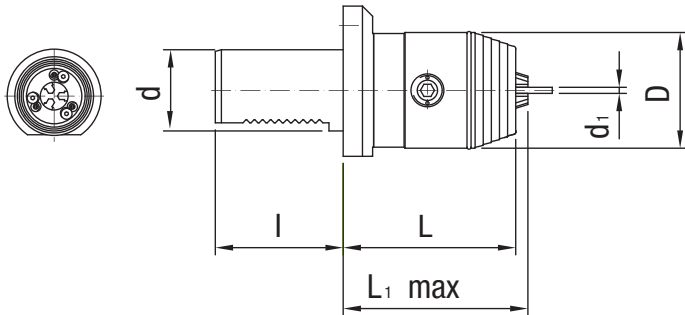
(2) WTE 13 sealing disk (Ø 2.05 mm) included in scope of supply, for inner coolant drills Ø 3-6 mm with smooth shank acc. to DIN 6535, Form HA.

(1) WTE 16 sealing disk (Ø 4.2 mm) integrated into the drill chuck head, for inner coolant drills Ø 6-16 mm with smooth shank acc. to DIN 6535, Form HA.

(2) WTE 16 sealing disk (Ø 2.05 mm) included in scope of supply, for inner coolant drills Ø 3-6 mm with smooth shank acc. to DIN 6535, Form HA.

CNC Precision Drill Chuck DIN 69880

Coolant feet using ball nozzles



Nominal size DIN 69880	WTE Norm	Clamping range d_1	Dimensions			Weight kg	Order designation	Order No.	Stock
			D	L	L_1 max.				
16x32	WTE 08 VDI	0.3 - 8	40	60	63	0.6	47.296.16.08	30336165	●
20x40	WTE 08 VDI	0.3 - 8	40	60	63	0.7	47.296.20.08	30336166	●
25x48	WTE 08 VDI	0.3 - 8	40	60	63	0.8	47.296.25.08	30336168	●
30x55	WTE 08 VDI	0.3 - 8	40	60	63	1	47.296.30.08	30336171	●
40x63	WTE 08 VDI	0.3 - 8	40	65	68	1.7	47.296.40.08	30336174	●
20x40	WTE 13 VDI	0.5 - 13	57	82	88	1.7	47.296.20.13	30336167	●
25x48	WTE 13 VDI	0.5 - 13	57	82	88	1.7	47.296.25.13	30336169	●
30x55	WTE 13 VDI	0.5 - 13	57	82	88	2.1	47.296.30.13	30336172	●
40x63	WTE 13 VDI	0.5 - 13	57	85	91	2.6	47.296.40.13	30336175	●
50x78	WTE 13 VDI	0.5 - 13	57	85	91	3.4	47.296.50.13	30336177	●
30x55	WTE 16 VDI	2.5 - 16	57	82	93	2.1	47.296.30.16	30336173	●
40x63	WTE 16 VDI	2.5 - 16	57	85	96	2.6	47.296.40.16	30336176	●
50x78	WTE 16 VDI	2.5 - 16	57	85	96	3.4	47.296.50.16	30336178	●
60x94	WTE 16 VDI	2.5 - 16	57	93	104	4.9	47.296.60.16	30336179	●

Dimensions in mm.

Spare parts and accessories at the end of this chapter.

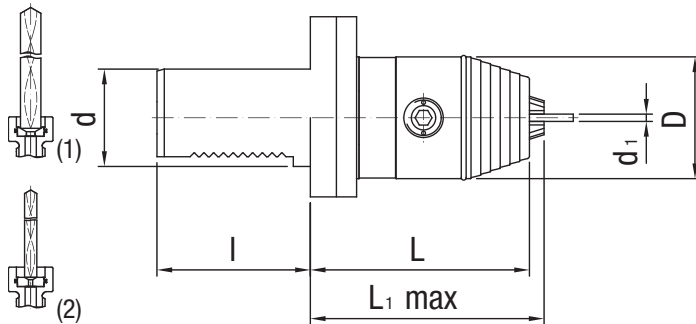
Custom designs available on request.

● These products are available in stock.

○ Standard tool not on stock (delivery time on request).

CNC Precision Drill Chuck DIN 69880

Central coolant supply



DIN
69880



Nominal size DIN 69880	WTE Norm	Clamping range	Dimensions			Weight kg	Order designation	Order No.	Stock
			d ₁	D	L				
16x32	WTE 08 IK	0.3 - 8	36	68	71	0.6	48.296.16.08	30336180	●
20x40	WTE 08 IK	0.3 - 8	36	68	71	0.7	48.296.20.08	30336181	●
25x48	WTE 08 IK	0.3 - 8	36	68	71	0.8	48.296.25.08	30336185	●
30x55	WTE 08 IK	0.3 - 8	36	68	71	1.1	48.296.30.08	30336187	●
40x63	WTE 08 IK	0.3 - 8	36	68	71	1.5	48.296.40.08	30336194	●
20x40	WTE 13 IK	0.5 - 13	50	90	96	1.7	48.296.20.13	30336183	●
25x48	WTE 13 IK	0.5 - 13	50	90	96	1.7	48.296.25.13	30336186	●
30x55	WTE 13 IK	0.5 - 13	50	90	96	1.8	48.296.30.13	30336189	●
40x63	WTE 13 IK	0.5 - 13	50	90	96	2.3	48.296.40.13	30336195	●
50x78	WTE 13 IK	0.5 - 13	50	90	96	3	48.296.50.13	30336201	●
30x55	WTE 16 IK	2.5 - 16	57	95	101	2	48.296.30.16	30336192	●
40x63	WTE 16 IK	2.5 - 16	57	95	101	2.5	48.296.40.16	30336198	●
50x78	WTE 16 IK	2.5 - 16	57	95	101	3.3	48.296.50.16	30336202	●
60x94	WTE 16 IK	2.5 - 16	57	95	101	4.9	48.296.60.16	30336203	●

(1) WTE 08 sealing disk (Ø 3.2 mm) integrated into the drill chuck head, for inner coolant drills Ø 4-8 mm with smooth shank acc. to DIN 6535, Form HA.

(2) WTE 08 sealing disk (Ø 1.8mm) included in scope of supply, for inner coolant drills Ø 2-4 mm with smooth shank acc. to DIN 6535, Form HA.

(1) WTE 13 sealing disk (Ø 4.2 mm) integrated into the drill chuck head, for inner coolant drills Ø 6-13 mm with smooth shank acc. to DIN 6535, Form HA.

(2) WTE 13 sealing disk (Ø 2.05 mm) included in scope of supply, for inner coolant drills Ø 3-6 mm with smooth shank acc. to DIN 6535, Form HA.

(1) WTE 16 sealing disk (Ø 4.2 mm) integrated into the drill chuck head, for inner coolant drills Ø 6-16 mm with smooth shank acc. to DIN 6535, Form HA.

(2) WTE 16 sealing disk (Ø 2.05 mm) included in scope of supply, for inner coolant drills Ø 3-6 mm with smooth shank acc. to DIN 6535, Form HA.

Dimensions in mm.

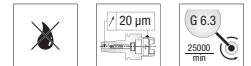
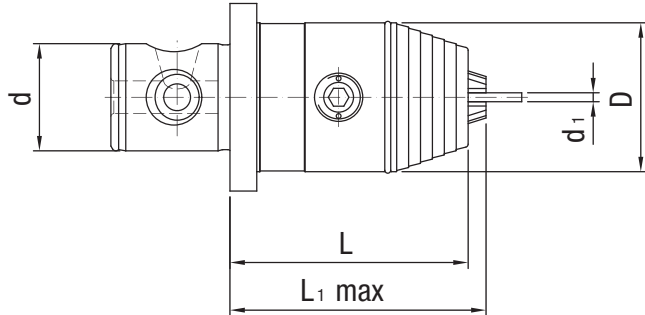
Spare parts and accessories at the end of this chapter.

Custom designs available on request.

● These products are available in stock.

○ Standard tool not on stock (delivery time on request).

CNC Precision Drill Chuck Wohlhaupter



Nominal size Wohlhaupter	WTE Norm	Clamping range d_1	Dimensions			Weight kg	Order designation	Order No.	Stock
			D	L	L_1 max.				
28	WTE 13	0.5 - 13	50	80	86	1.1	61.296.28.13	30336205	●
36	WTE 13	0.5 - 13	50	80	86	1.3	61.296.36.13	30336210	●
28	WTE 16	2.5 - 16	57	85	91	1.3	61.296.28.16	30336207	●
36	WTE 16	2.5 - 16	57	85	91	1.5	61.296.36.16	30336212	●

Dimensions in mm.

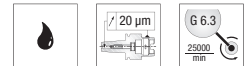
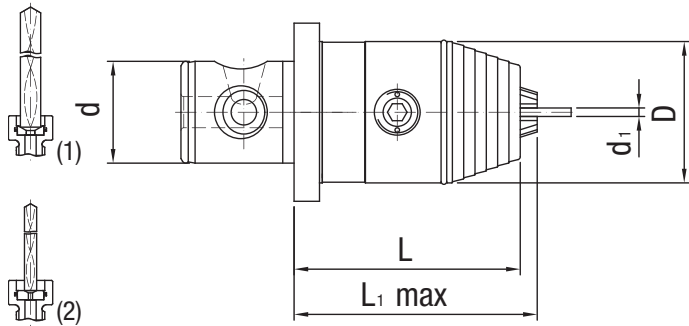
Spare parts and accessories at the end of this chapter.

Custom designs available on request.

● These products are available in stock.

○ Standard tool not on stock (delivery time on request).

CNC Precision Drill Chuck Wohlhaupter



Nominal size Wohlhaupter	WTE Norm	Clamping range d_1	Dimensions			Weight kg	Order designation	Order No.	Stock
			D	L	L_1 max.				
28	WTE 13 IKT	0.5 - 13	50	80	86	1.2	61.296.28.13.Z	30336206	●
36	WTE 13 IKT	0.5 - 13	50	80	86	1.4	61.296.36.13.Z	30336211	●
28	WTE 16 IKT	2.5 - 16	57	85	91	1.4	61.296.28.16.Z	30336208	●
36	WTE 16 IKT	2.5 - 16	57	85	91	1.6	61.296.36.16.Z	30336213	●

(1) WTE 13 sealing disk (\varnothing 4.2 mm) integrated into the drill chuck head, for inner coolant drills \varnothing 6-13 mm with smooth shank acc. to DIN 6535, Form HA.

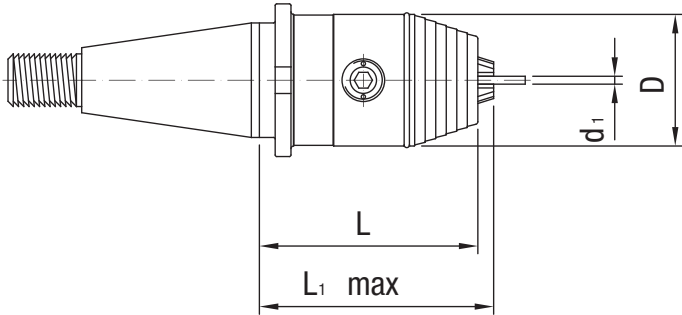
(2) WTE 13 sealing disk (\varnothing 2.05 mm) included in scope of supply, for inner coolant drills \varnothing 3-6 mm with smooth shank acc. to DIN 6535, Form HA.

(1) WTE 16 sealing disk (\varnothing 4.2 mm) integrated into the drill chuck head, for inner coolant drills \varnothing 6-16 mm with smooth shank acc. to DIN 6535, Form HA.

(2) WTE 16 sealing disk (\varnothing 2.05 mm) included in scope of supply, for inner coolant drills \varnothing 3-6 mm with smooth shank acc. to DIN 6535, Form HA.

CNC Precision Drill Chuck S20x2 (Deckel)

For Deckel machines with exterior buttress threads



Nominal size S20x2 (Deckel)	WTE Norm	Clamping range d_1	Dimensions			Weight kg	Order designation	Order No.	Stock
			D	L	L_1 max.				
40	WTE 08	0.3 - 8	36	62	65	1.2	62.296.40.08	30336214	●
40	WTE 13	0.5 - 13	50	83	89	1.6	62.296.40.13	30336215	●
40	WTE 16	2.5 - 16	57	88	94	1.8	62.296.40.16	30336216	●

Dimensions in mm.

Spare parts and accessories at the end of this chapter.

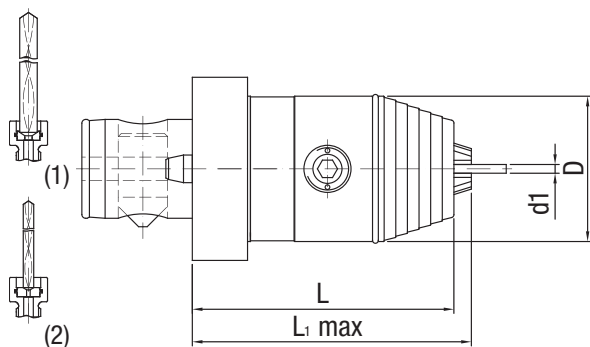
Custom designs available on request.

● These products are available in stock.

○ Standard tool not on stock (delivery time on request).

CNC Precision Drill Chuck ABS

License Komet



Nominal size ABS	WTE Norm	Clamping range d_1	Dimensions			Weight kg	Order designation	Order No.	Stock
			D	L	L_1 max.				
50	WTE 13 IKT	0.5 - 13	50	85	91	1.2	63.296.50.13.Z	30336217	●
63	WTE 13 IKT	0.5 - 13	50	90	96	1.5	63.296.63.13.Z	30336219	●
50	WTE 16 IKT	2.5 - 16	57	90	96	1.4	63.296.50.16.Z	30336218	●
63	WTE 16 IKT	2.5 - 16	57	95	101	1.5	63.296.63.16.Z	30336220	●

(1) WTE 13 sealing disk (\varnothing 4.2 mm) integrated into the drill chuck head, for inner coolant drills \varnothing 6-13 mm with smooth shank acc. to DIN 6535, Form HA.

(2) WTE 13 sealing disk (\varnothing 2.05 mm) included in scope of supply, for inner coolant drills \varnothing 3-6 mm with smooth shank acc. to DIN 6535, Form HA.

(1) WTE 16 sealing disk (\varnothing 4.2 mm) integrated into the drill chuck head, for inner coolant drills \varnothing 6-16 mm with smooth shank acc. to DIN 6535, Form HA.

(2) WTE 16 sealing disk (\varnothing 2.05 mm) included in scope of supply, for inner coolant drills \varnothing 3-6 mm with smooth shank acc. to DIN 6535, Form HA.

Dimensions in mm.

Installation tool for sealing disk, see end of chapter.

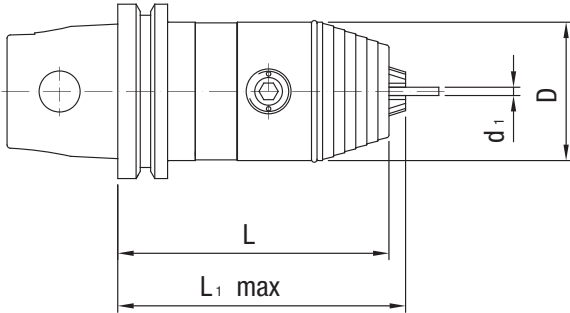
Spare parts and accessories at the end of this chapter.
Custom designs available on request.

● These products are available in stock.

○ Standard tool not on stock (delivery time on request).

CNC Precision Drill Chuck UTS

License Widia



Nominal size UTS	WTE Norm	Clamping range d_1	Dimensions			Weight kg	Order designation	Order No.	Stock
			D	L	L_1 max.				
63	WTE 08	0.3 - 8	36	78	81	1	65.296.63.08	30336221	●
63	WTE 13	0.5 - 13	50	98	104	1.7	65.296.63.13	30336223	●
63	WTE 16	2.5 - 16	57	103	109	1.9	65.296.63.16	30336225	●

Dimensions in mm.

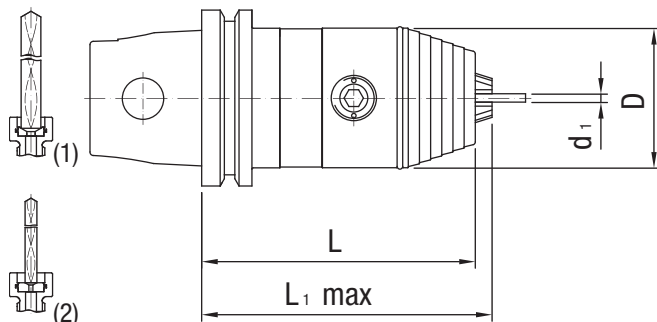
Please make a special request for MAZAK and MORI-SEIKI machines.

Spare parts and accessories at the end of this chapter. Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

CNC Precision Drill Chuck UTS

License Widia, with internal coolant supply



Nominal size UTS	WTE Norm	Clamping range	Dimensions			Weight kg	Order designation	Order No.	Stock
			d_1	D	L				
63	WTE 08 IK	0.3 - 8	36	78	81	1	65.296.63.08.Z	30336222	●
63	WTE 13 IKT	0.5 - 13	50	98	104	1.7	65.296.63.13.Z	30336224	●
63	WTE 16 IKT	2.5 - 16	57	103	109	1.9	65.296.63.16.Z	30336226	●

(1) WTE 08 sealing disk (\varnothing 3.2 mm) integrated into the drill chuck head, for inner coolant drills \varnothing 4-8 mm with smooth shank acc. to DIN 6535, Form HA.

(2) WTE 08 sealing disk (\varnothing 1.8mm) included in scope of supply, for inner coolant drills \varnothing 2-4 mm with smooth shank acc. to DIN 6535, Form HA.

(1) WTE 13 sealing disk (\varnothing 4.2 mm) integrated into the drill chuck head, for inner coolant drills \varnothing 6-13 mm with smooth shank acc. to DIN 6535, Form HA.

(2) WTE 13 sealing disk (\varnothing 2.05 mm) included in scope of supply, for inner coolant drills \varnothing 3-6 mm with smooth shank acc. to DIN 6535, Form HA.

(1) WTE 16 sealing disk (\varnothing 4.2 mm) integrated into the drill chuck head, for inner coolant drills \varnothing 6-16 mm with smooth shank acc. to DIN 6535, Form HA.

(2) WTE 16 sealing disk (\varnothing 2.05 mm) included in scope of supply, for inner coolant drills \varnothing 3-6 mm with smooth shank acc. to DIN 6535, Form HA.

Dimensions in mm.

Please make a special request for MAZAK and MORI-SEIKI machines.

Installation tool for sealing disk, see end of chapter.

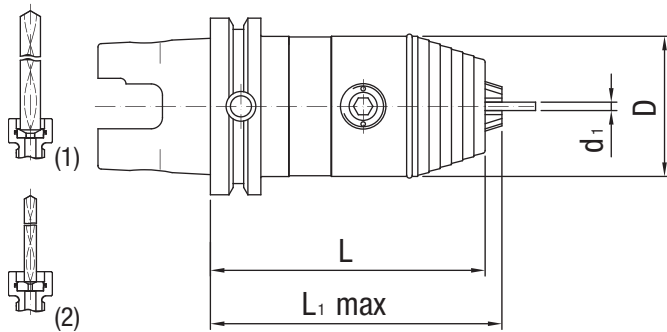
Spare parts and accessories at the end of this chapter.
Custom designs available on request.

● These products are available in stock.

○ Standard tool not on stock (delivery time on request).

CNC Precision Drill Chuck INTEGREGEX

With MAZAK shank, 100, 200, 300, 400 (Y/SY)



Nominal size MAZAK	WTE Norm	Clamping range	Dimensions			Weight kg	Order designation	Order No.	Stock
			d_1	D	L				
63	WTE 08 IK	0.3 - 8	36	78	81	1	66.296.63.08.Z	30336227	●
63	WTE 13 IKT	0.5 - 13	50	98	104	1.7	66.296.63.13.Z	30336228	●
63	WTE 16 IKT	2.5 - 16	57	103	109	1.9	66.296.63.16.Z	30336229	●

(1) WTE 08 sealing disk (Ø 3.2 mm) integrated into the drill chuck head, for inner coolant drills Ø 4-8 mm with smooth shank acc. to DIN 6535, Form HA.

(2) WTE 08 sealing disk (Ø 1.8mm) included in scope of supply, for inner coolant drills Ø 2-4 mm with smooth shank acc. to DIN 6535, Form HA.

(1) WTE 13 sealing disk (Ø 4.2 mm) integrated into the drill chuck head, for inner coolant drills Ø 6-13 mm with smooth shank acc. to DIN 6535, Form HA.

(2) WTE 13 sealing disk (Ø 2.05 mm) included in scope of supply, for inner coolant drills Ø 3-6 mm with smooth shank acc. to DIN 6535, Form HA.

(1) WTE 16 sealing disk (Ø 4.2 mm) integrated into the drill chuck head, for inner coolant drills Ø 6-16 mm with smooth shank acc. to DIN 6535, Form HA.

(2) WTE 16 sealing disk (Ø 2.05 mm) included in scope of supply, for inner coolant drills Ø 3-6 mm with smooth shank acc. to DIN 6535, Form HA.

Dimensions in mm.

Corresponding to the specification „KM63 XMZ“.

Installation tool for sealing disk, see end of chapter.

Spare parts and accessories at the end of this chapter.

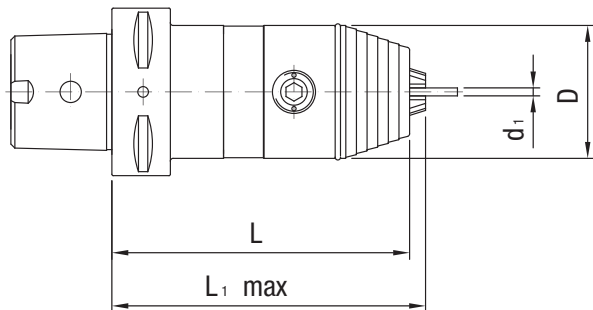
Custom designs available on request.

● These products are available in stock.

○ Standard tool not on stock (delivery time on request).

CNC Precision Drill Chuck mit Polygonschaft (PSC)

As per ISO 26623-1



Nominal size PSC	WTE Norm	Clamping range	Dimensions			Weight kg	Order designation	Order No.	Stock
			d_1	D	L				
32	WTE 08	0.3 - 8	36	73	76	0.5	67.296.32.08	30591623	●
32	WTE 13	0.5 - 13	50	96	103	1.1	67.296.32.13	30591627	●
40	WTE 08	0.3 - 8	36	74	77	0.6	67.296.40.08	30591631	●
40	WTE 13	0.5 - 13	50	98	105	1.2	67.296.40.13	30591633	●
50	WTE 08	0.3 - 8	36	76	79	0.8	67.296.50.08	30591635	●
50	WTE 13	0.5 - 13	50	97	105	1.4	67.296.50.13	30591636	●
63	WTE 08	0.3 - 8	36	91	94	1.1	67.296.63.08	30336230	●
63	WTE 13	0.5 - 13	50	112	118	1.9	67.296.63.13	30336232	●
63	WTE 16	2.5 - 16	57	117	123	2.1	67.296.63.16	30336234	●
80	WTE 13	0.5 - 13	50	106	112	2.7	67.296.80.13	30591638	●
80	WTE 16	2.5 - 16	57	111	115	2.9	67.296.80.16	30591639	●

Dimensions in mm.

Spare parts and accessories at the end of this chapter.

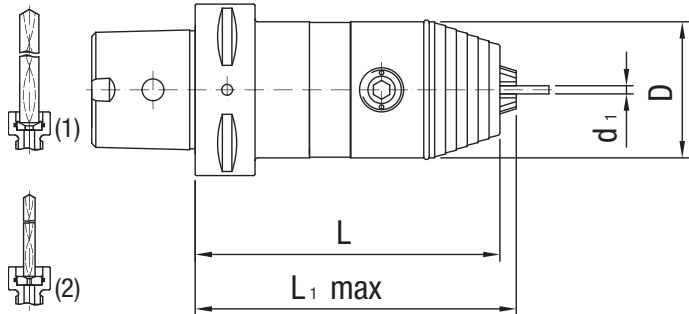
Custom designs available on request.

● These products are available in stock.

○ Standard tool not on stock (delivery time on request).

CNC Precision Drill Chuck mit Polygonschaft (PSC)

As per ISO 26623-1, with internal coolant supply



Nominal size PSC	WTE Norm	Clamping range	Dimensions			Weight kg	Order designation	Order No.	Stock
			d_1	D	L				
32	WTE 08 IK	0.3 - 8	36	73	76	0.5	67.296.32.08.Z	30591641	●
32	WTE 13 IK	0.5 - 13	50	96	103	1.1	67.296.32.13.Z	30591645	●
40	WTE 08 IK	0.3 - 8	36	74	77	0.6	67.296.40.08.Z	30591647	●
40	WTE 13 IK	0.5 - 13	50	98	105	1.2	67.296.40.13.Z	30591650	●
50	WTE 08 IK	0.3 - 8	36	76	79	0.8	67.296.50.08.Z	30591669	●
50	WTE 13 IK	0.5 - 13	50	97	105	1.4	67.296.50.13.Z	30591670	●
63	WTE 08 IK	0.3 - 8	36	91	94	1.1	67.296.63.08.Z	30336231	●
63	WTE 13 IK	0.5 - 13	50	112	118	1.9	67.296.63.13.Z	30336233	●
63	WTE 16 IK	2.5 - 16	57	117	123	2.1	67.296.63.16.Z	30336235	●
80	WTE 13 IK	0.5 - 13	50	106	112	2.7	67.296.80.13.Z	30591673	●
80	WTE 16 IK	2.5 - 16	57	111	115	2.9	67.296.80.16.Z	30591674	●

(1) WTE 08 sealing disk (\varnothing 3.2 mm) integrated into the drill chuck head, for inner coolant drills \varnothing 4-8 mm with smooth shank acc. to DIN 6535, Form HA.

(2) WTE 08 sealing disk (\varnothing 1.8mm) included in scope of supply, for inner coolant drills \varnothing 2-4 mm with smooth shank acc. to DIN 6535, Form HA.

(1) WTE 13 sealing disk (\varnothing 4.2 mm) integrated into the drill chuck head, for inner coolant drills \varnothing 6-13 mm with smooth shank acc. to DIN 6535, Form HA.

(2) WTE 13 sealing disk (\varnothing 2.05 mm) included in scope of supply, for inner coolant drills \varnothing 3-6 mm with smooth shank acc. to DIN 6535, Form HA.

(1) WTE 16 sealing disk (\varnothing 4.2 mm) integrated into the drill chuck head, for inner coolant drills \varnothing 6-16 mm with smooth shank acc. to DIN 6535, Form HA.

(2) WTE 16 sealing disk (\varnothing 2.05 mm) included in scope of supply, for inner coolant drills \varnothing 3-6 mm with smooth shank acc. to DIN 6535, Form HA.

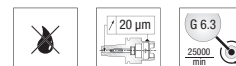
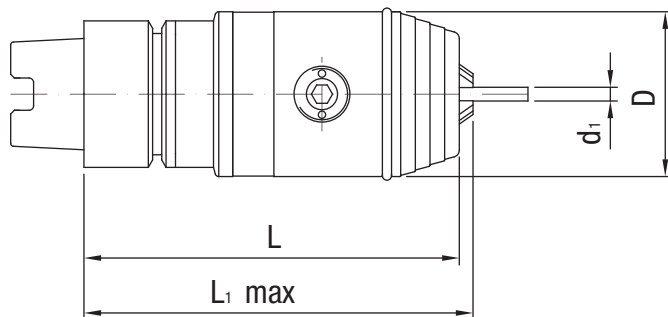
Dimensions in mm.
Installation tool for sealing disk, see end of chapter.

Spare parts and accessories at the end of this chapter.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

CNC Precision Drill Chuck Chiron FZ 08

For basket changer with 12 tool places



Nominal size Chiron FZ 08	WTE Norm	Clamping range d_1	Dimensions			Weight kg	Order designation	Order No.	Stock
			D	L	L_1 max.				
32	WTE 08	0.3 - 8	36	82	85	0.6	93.296.0012.08	30336239	●

Dimensions in mm.

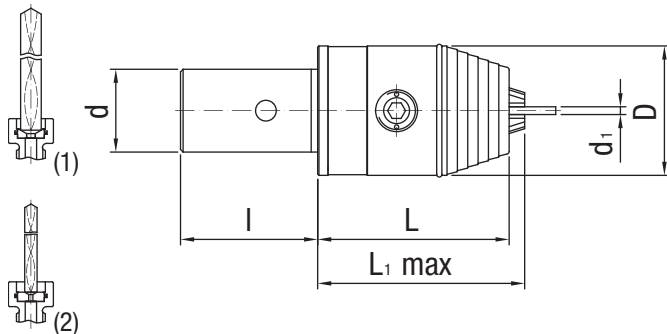
Spare parts and accessories at the end of this chapter.

Custom designs available on request.

● These products are available in stock.

○ Standard tool not on stock (delivery time on request).

CNC Precision Drill Chuck MORI-SEIKI



Nominal size MORI-SEIKI	WTE Norm	Clamping range	Dimensions			Weight kg	Order designation	Order No.	Stock
			d_1	D	L				
32x53	WTE 08 IK	0.3 - 8	36	54	57	0.7	93.296.0014.08	30336241	●
32x53	WTE 13 IK	0.5 - 13	50	74	80	1.1	93.296.0015.13	30336242	●
32x53	WTE 16 IK	2.5 - 16	57	79	85	1.3	93.296.0015.16	30336243	●
40x53	WTE 13 IK	0.5 - 13	50	74	80	1.3	93.296.0018.13	30336244	●
40x53	WTE 16 IK	2.5 - 16	57	79	85	1.5	93.296.0018.16	30336245	●

(1) WTE 08 sealing disk (\emptyset 3.2 mm) integrated into the drill chuck head, for inner coolant drills \emptyset 4-8 mm with smooth shank acc. to DIN 6535, Form HA.

(2) WTE 08 sealing disk (\emptyset 1.8mm) included in scope of supply, for inner coolant drills \emptyset 2-4 mm with smooth shank acc. to DIN 6535, Form HA.

(1) WTE 13 sealing disk (\emptyset 4.2 mm) integrated into the drill chuck head, for inner coolant drills \emptyset 6-13 mm with smooth shank acc. to DIN 6535, Form HA.

(2) WTE 13 sealing disk (\emptyset 2.05 mm) included in scope of supply, for inner coolant drills \emptyset 3-6 mm with smooth shank acc. to DIN 6535, Form HA.

(1) WTE 16 sealing disk (\emptyset 4.2 mm) integrated into the drill chuck head, for inner coolant drills \emptyset 6-16 mm with smooth shank acc. to DIN 6535, Form HA.

(2) WTE 16 sealing disk (\emptyset 2.05 mm) included in scope of supply, for inner coolant drills \emptyset 3-6 mm with smooth shank acc. to DIN 6535, Form HA.

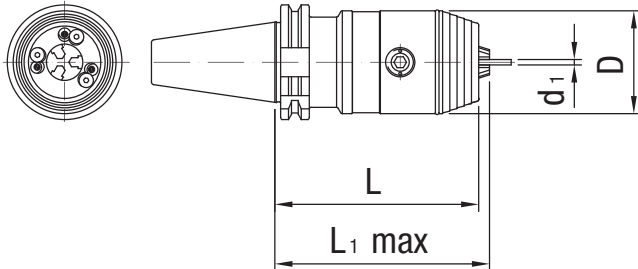
Dimensions in mm.
Installation tool for sealing disk, see end of chapter.

Spare parts and accessories at the end of this chapter.
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

CNC Precision Drill Chuck DIN 69871 VDI

Coolant feed using ball nozzles



Nominal size VDI	WTE Norm	Clamping range d_1	Dimensions			Weight kg	Order designation	Order No.	Stock
			D	L	L_1 max.				
40	WTE 13 VDI	0.5 - 13	57	113	119	1.7	93.296.0022.13	30336248	●
40	WTE 16 VDI	2.5 - 16	57	113	124	1.9	93.296.0022.16	30336249	●

Dimensions in mm.

Spare parts and accessories at the end of this chapter.

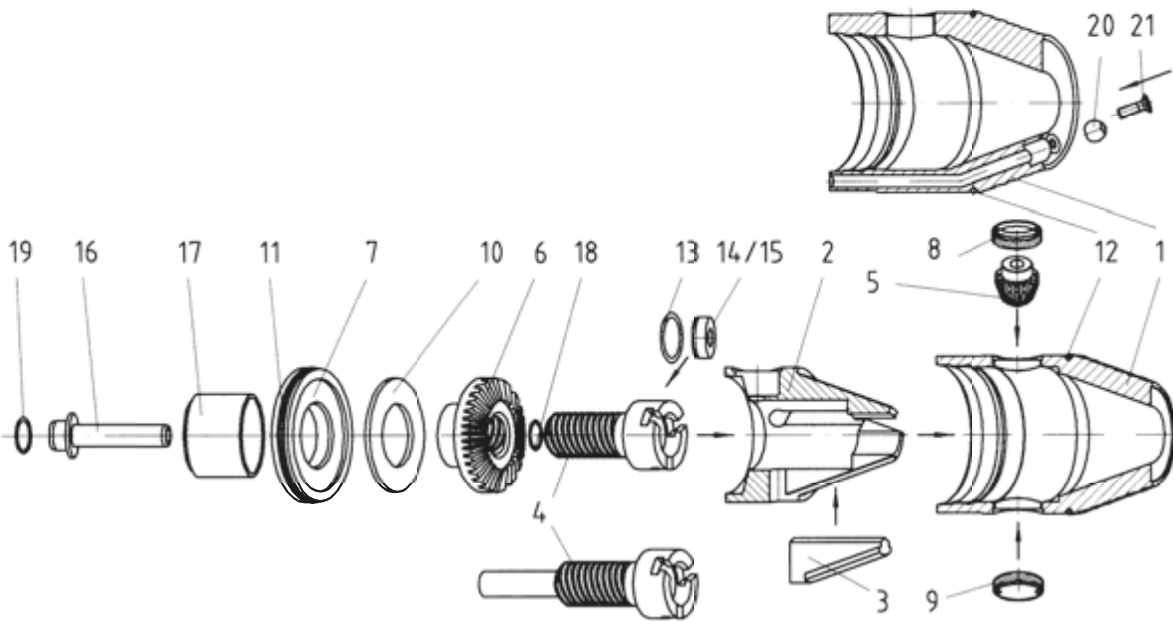
Custom designs available on request.

● These products are available in stock.

○ Standard tool not on stock (delivery time on request).

Spare parts for CNC Precision Drill Chuck

For design WTE 08



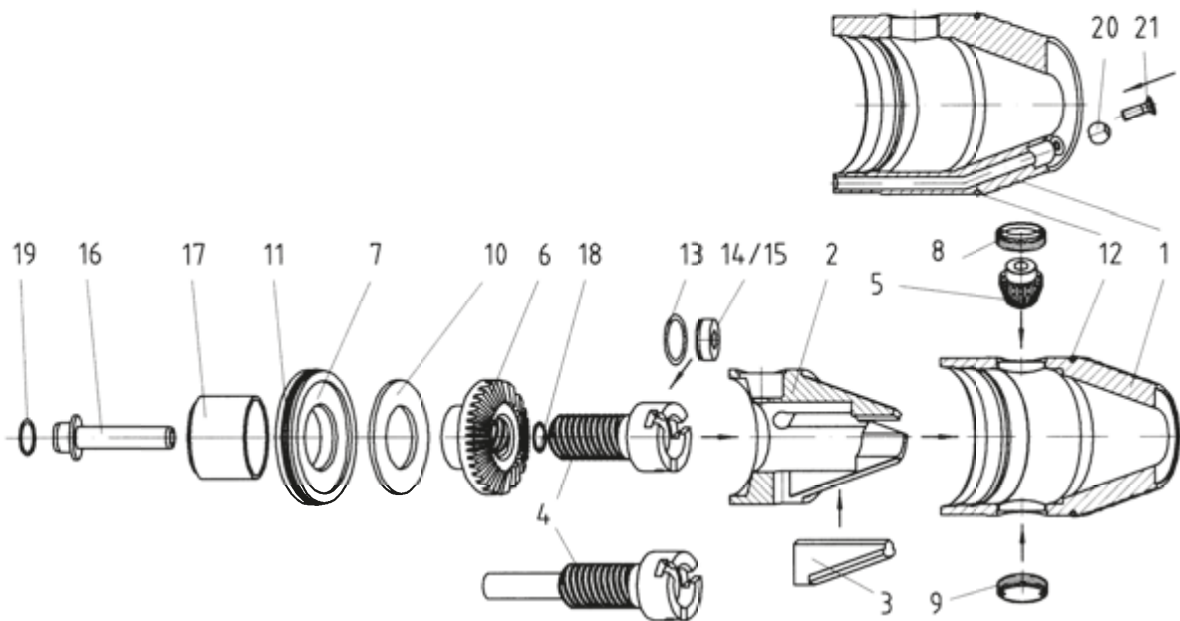
Nr.	Description	Order designation	Order No.	Stock
1	Sleeve	89.208.01	30266093	●
2	Expansion cone	89.208.02	30266130	●
3	Clamping jaws (1 set = 3 pieces)	89.208.03	30266138	●
4	Spindle	89.208.04	30266107	●
5	Pinion	89.208.05	30266141	●
6	Bevel gear	89.208.06	30266194	●
7	Thrust Piece	89.208.07	30266164	●
8	Pinion screw	89.208.08	30266192	●
9	Cover	89.208.09	30266152	●
10	Stop disc	89.208.10	30266156	●
11	O-ring 24 x 1	89.208.11	10072512	●
12	O-ring, red	89.208.39	30263594	●

Dimensions in mm.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Spare parts for CNC Precision Drill Chuck

For design WTE 08 IK



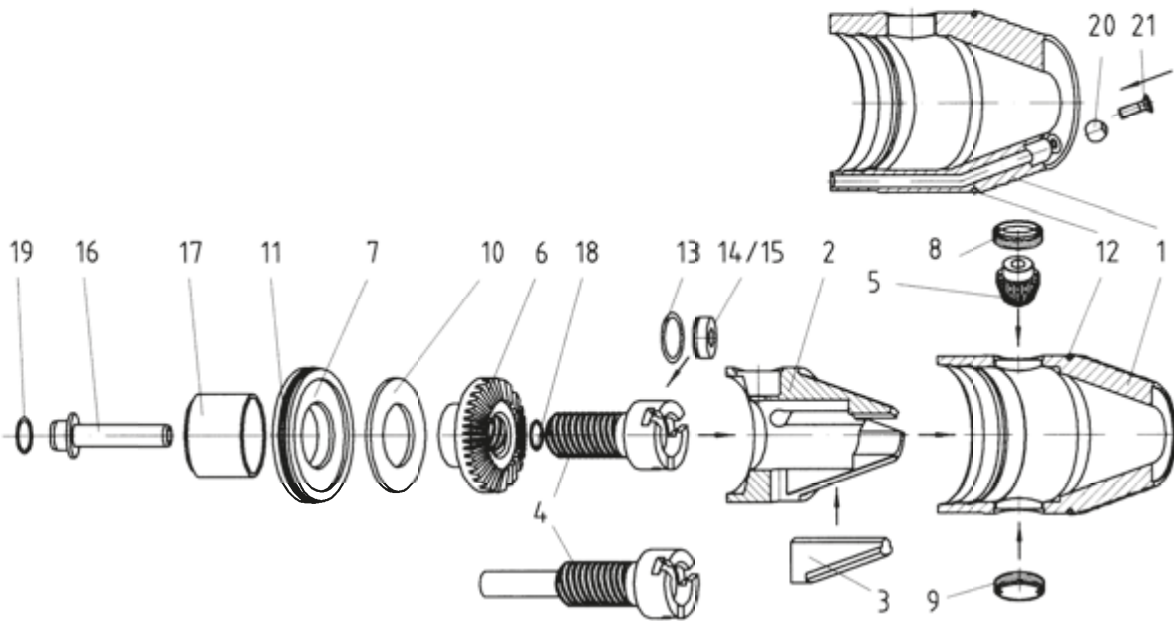
Nr.	Description	Order designation	Order No.	Stock
1	Sleeve	89.208.01	30266093	●
2	Expansion cone	89.208.02	30266130	●
3	Clamping jaws (1 set = 3 pieces)	89.208.03	30266138	●
4	Spindle	89.208.13	30266108	●
5	Pinion	89.208.05	30266141	●
6	Bevel gear	89.208.06	30266194	●
7	Thrust Piece	89.208.07	30266164	●
8	Pinion screw	89.208.08	30266192	●
9	Cover	89.208.09	30266152	●
10	Stop disc	89.208.10	30266156	●
11	O-ring 24 x 1	89.208.11	10072512	●
12	O-ring, red	89.208.39	30263594	●
13	O-ring 8 x 1	89.208.14	10015675	●
14	Gasket Ø 1.8 - 4	89.208.15	30266123	●
15	Gasket Ø 3.2 - 8	89.208.16	30266125	●
19	O-ring 8 x 1.5	89.213.20	10015676	●

Dimensions in mm.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Spare parts for CNC Precision Drill Chuck

For design WTE 08 VDI



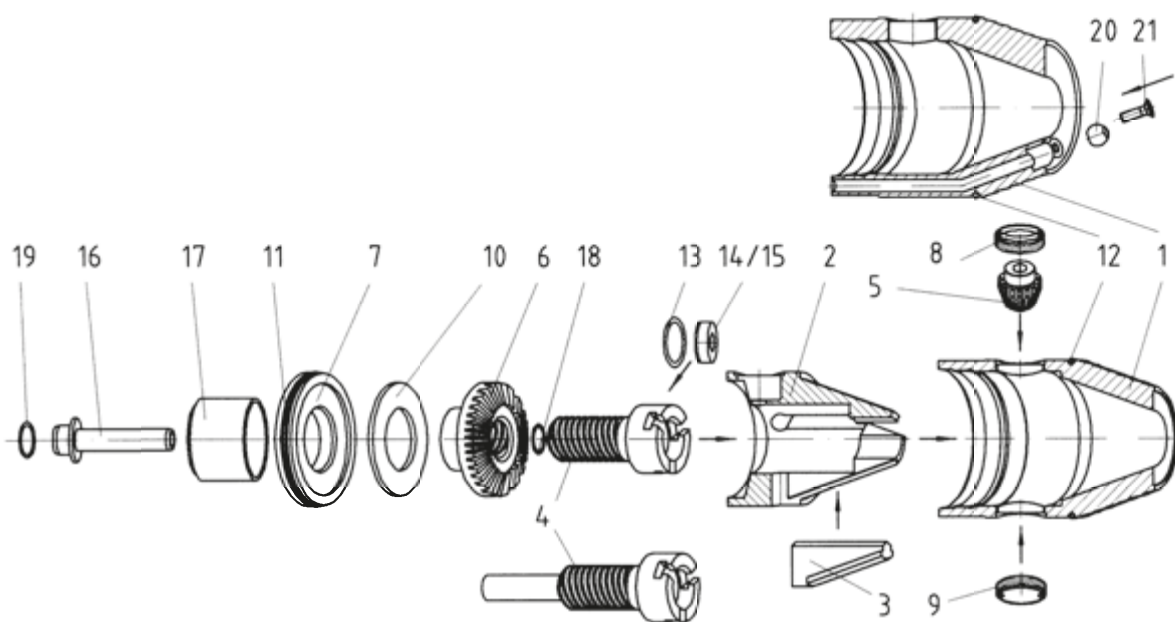
Nr.	Description	Order designation	Order No.	Stock
1	Sleeve	89.208.17	30266094	●
2	Expansion cone	89.208.02	30266130	●
3	Clamping jaws (1 set = 3 pieces)	89.208.03	30266138	●
4	Spindle	89.208.04	30266107	●
5	Pinion	89.208.05	30266141	●
6	Bevel gear	89.208.06	30266194	●
7	Thrust Piece	89.208.07	30266164	●
8	Pinion screw	89.208.08	30266192	●
10	Stop disc	89.208.10	30266156	●
11	O-ring 24 x 1	89.208.11	10072512	●
12	O-ring, red	89.208.39	30263594	●
20	Ball Ø 5.5	89.208.18	30266161	●
21	Countersunk screw	89.208.19	10003770	●

Dimensions in mm.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Spare parts for CNC Precision Drill Chuck

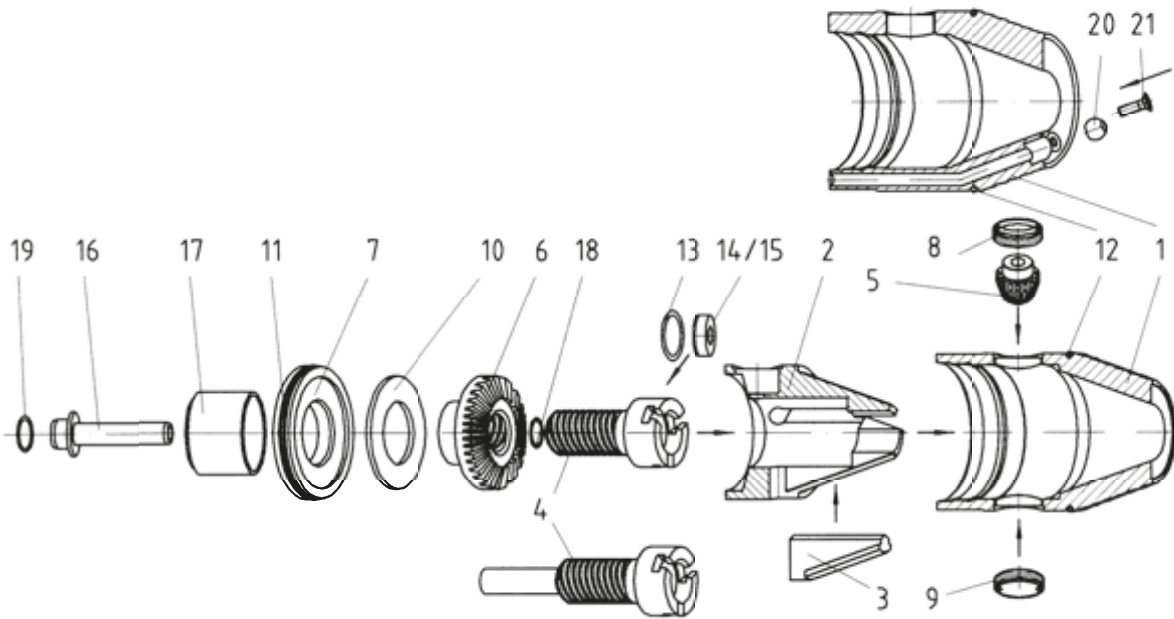
For design WTE 13



Nr.	Description	Order designation	Order No.	Stock
1	Sleeve	89.213.01	30266096	●
2	Expansion cone	89.213.02	30266133	●
3	Clamping jaws (1 set = 3 pieces)	89.213.03	30266139	●
4	Spindle	89.213.04	30266111	●
5	Pinion	89.213.05	30266142	●
6	Bevel gear	89.213.06	30266195	●
7	Thrust Piece	89.213.07	30266165	●
8	Pinion screw	89.213.08	30266193	●
9	Cover	89.213.09	30266153	●
10	Stop disc	89.213.10	30266155	●
11	O-ring 38 x 1.5	89.213.11	10019664	●
12	O-ring, red	89.213.39	30346068	●

Spare parts for CNC Precision Drill Chuck

For design WTE 13 IK



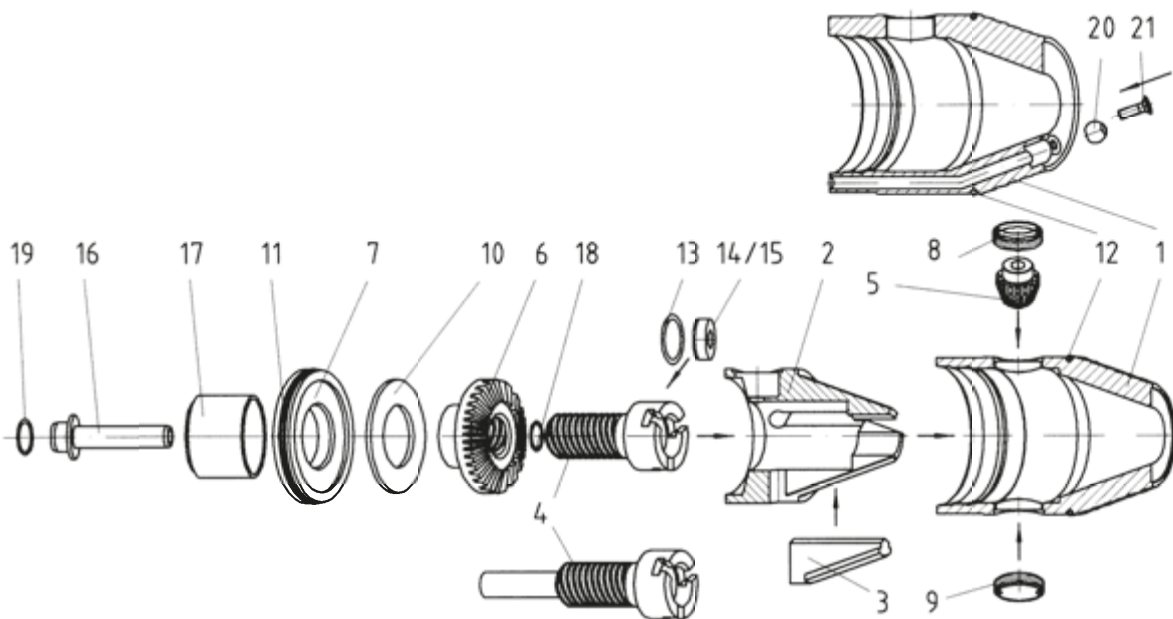
Nr.	Description	Order designation	Order No.	Stock
1	Sleeve	89.213.01	30266096	●
2	Expansion cone	89.213.02	30266133	●
3	Clamping jaws (1 set = 3 pieces)	89.213.03	30266139	●
4	Spindle	89.213.13	30266112	●
5	Pinion	89.213.05	30266142	●
6	Bevel gear	89.213.06	30266195	●
7	Thrust Piece	89.213.07	30266165	●
8	Pinion screw	89.213.08	30266193	●
9	Cover	89.213.09	30266153	●
10	Stop disc	89.213.10	30266155	●
11	O-ring 38 x 1.5	89.213.11	10019664	●
12	O-ring, red	89.213.39	30346068	●
13	O-ring 13 x 1.5	89.213.14	10002538	●
14	Gasket Ø 3-6	89.213.15	30266126	●
15	Gasket Ø 6-13	89.213.16	30266127	●
19	O-ring 8 x 1.5	89.213.20	10015676	●

Dimensions in mm.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Spare parts for CNC Precision Drill Chuck

For design WTE 13 IKT



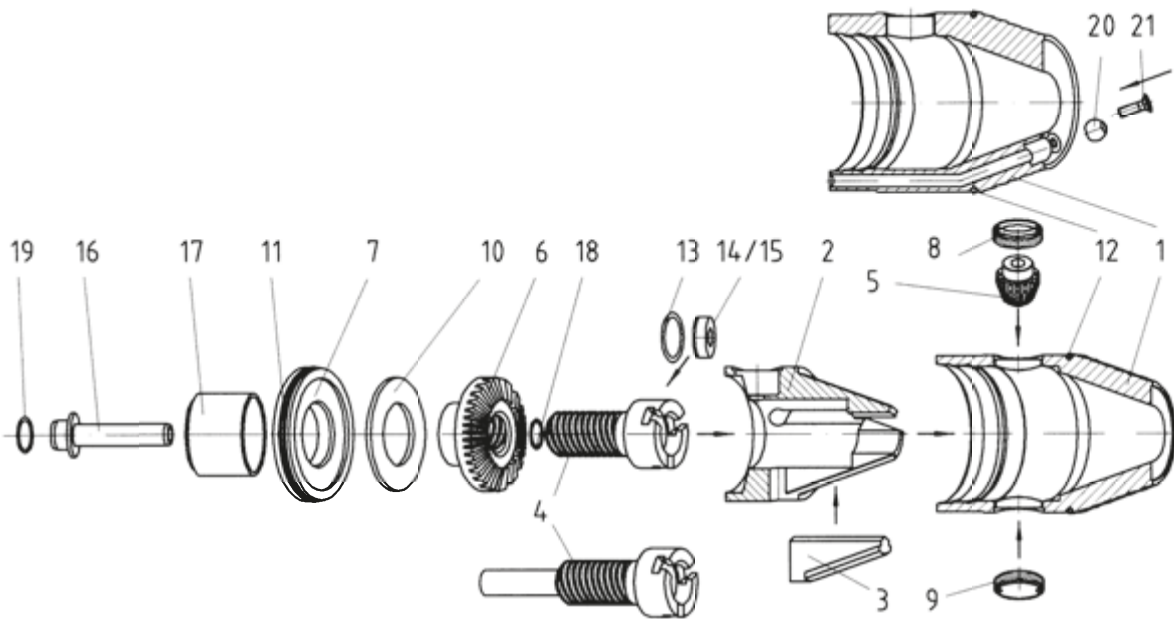
Nr.	Description	Order designation	Order No.	Stock
1	Sleeve	89.213.01	30266096	●
2	Expansion cone	89.213.02	30266133	●
3	Clamping jaws (1 set = 3 pieces)	89.213.03	30266139	●
4	Spindle	89.213.28	30266114	●
5	Pinion	89.213.05	30266142	●
6	Bevel gear	89.213.06	30266195	●
7	Thrust Piece	89.213.07	30266165	●
8	Pinion screw	89.213.08	30266193	●
9	Cover	89.213.09	30266153	●
10	Stop disc	89.213.10	30266155	●
11	O-ring 38 x 1.5	89.213.11	10019664	●
12	O-ring, red	89.213.39	30346068	●
13	O-ring 13 x 1.5	89.213.14	10002538	●
14	Gasket Ø 3-6	89.213.15	30266126	●
15	Gasket Ø 6-13	89.213.16	30266127	●
16	Coolant pipe	89.213.29	30266167	●
17	Spacer	89.213.30	30266168	●
18	O-ring 6 x 1.5	89.213.36	10002608	●
19	O-ring 8 x 1.5	89.213.20	10015676	●

Dimensions in mm.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Spare parts for CNC Precision Drill Chuck

For design WTE 13 VDI



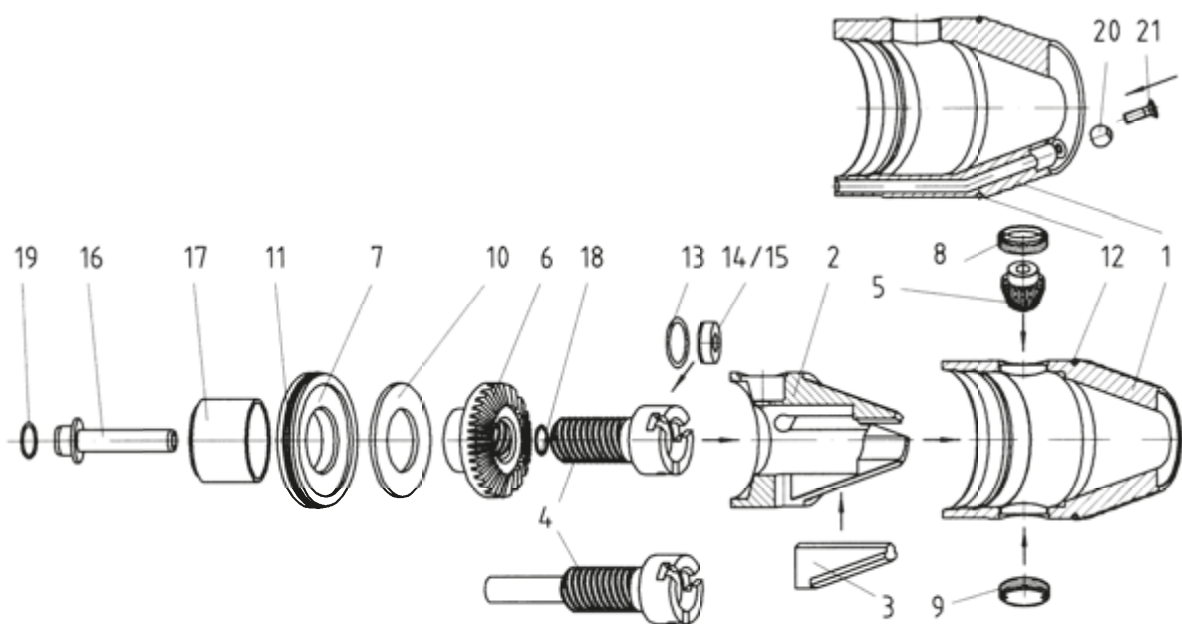
Nr.	Description	Order designation	Order No.	Stock
1	Sleeve	89.213.17	30266097	●
2	Expansion cone	89.213.02	30266133	●
3	Clamping jaws (1 set = 3 pieces)	89.213.03	30266139	●
4	Spindle	89.213.04	30266111	●
5	Pinion	89.213.05	30266142	●
6	Bevel gear	89.216.06	30266196	●
7	Thrust Piece	89.213.07	30266165	●
8	Pinion screw	89.213.08	30266193	●
10	Stop disc	89.213.10	30266155	●
11	O-ring 38 x 1.5	89.213.11	10019664	●
12	O-ring, red	89.216.12	30269069	●
20	Ball Ø 7	89.213.18	30266163	●
21	Countersunk screw	89.213.19	30336466	●

Dimensions in mm.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Spare parts for CNC Precision Drill Chuck

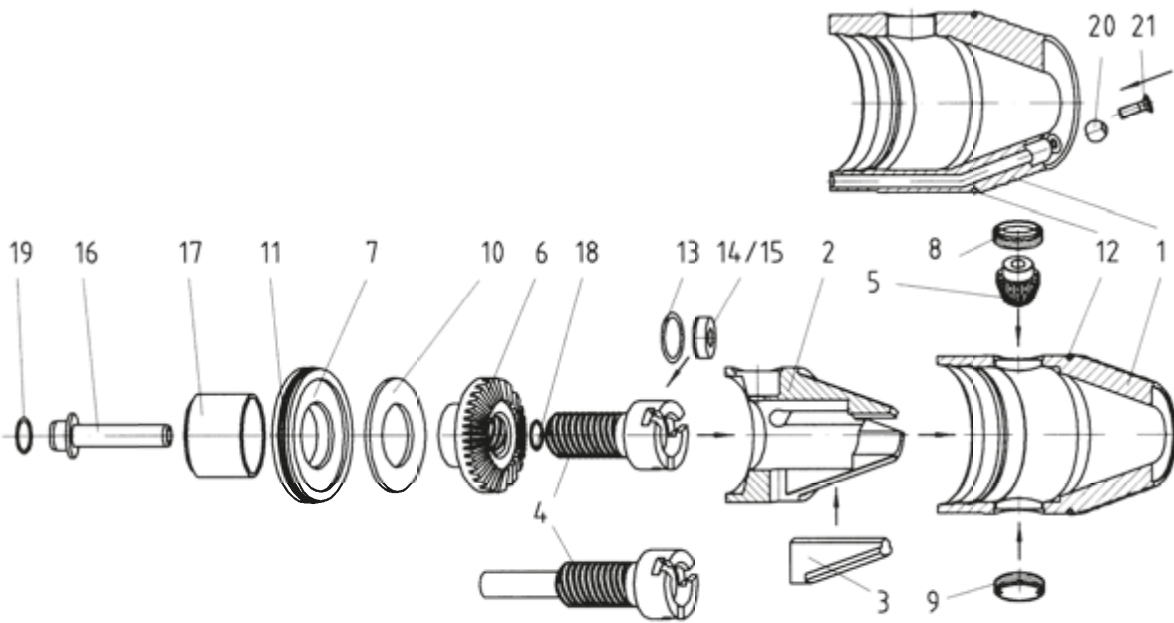
For design WTE 16



Nr.	Description	Order designation	Order No.	Stock
1	Sleeve	89.216.72	30266099	●
2	Expansion cone	89.216.71	30266134	●
3	Clamping jaws (1 set = 3 pieces)	89.213.03	30266139	●
4	Spindle	89.216.04	30266146	●
5	Pinion	89.216.05	30266143	●
6	Bevel gear	89.216.06	30266196	●
7	Thrust Piece	89.213.07	30266165	●
8	Pinion screw	89.213.08	30266193	●
9	Cover	89.213.09	30266153	●
10	Stop disc	89.213.10	30266155	●
11	O-ring 38 x 1.5	89.213.11	10019664	●
12	O-ring, red	89.216.39	30263595	●

Spare parts for CNC Precision Drill Chuck

For design WTE 16 IK



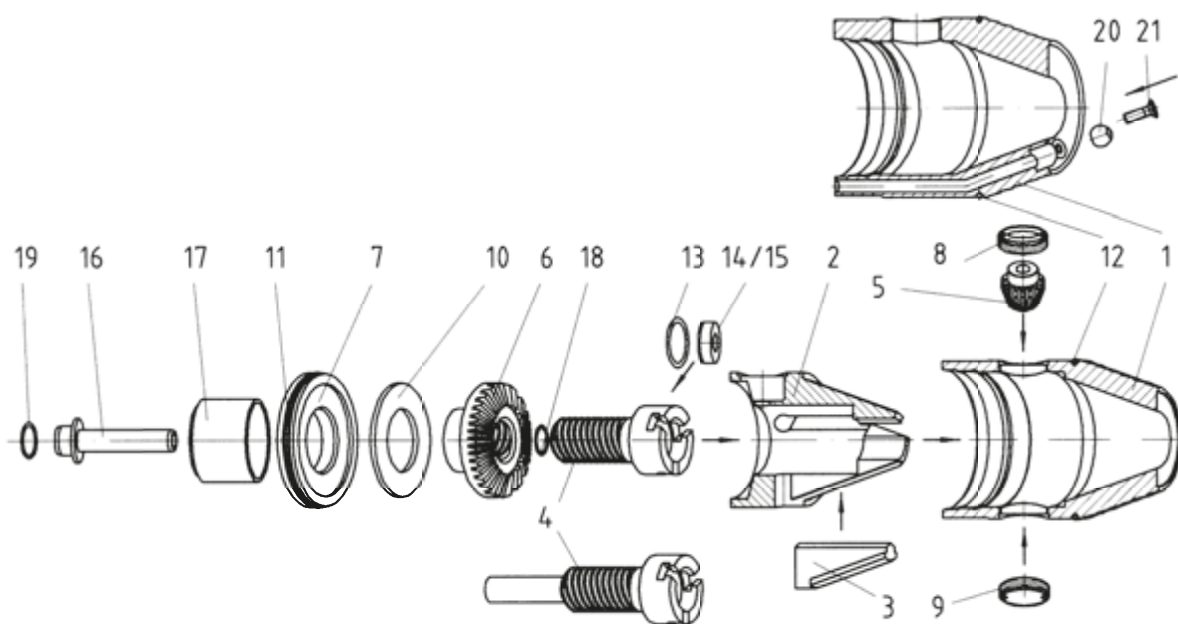
Nr.	Description	Order designation	Order No.	Stock
1	Sleeve	89.216.72	30266099	●
2	Expansion cone	89.216.71	30266134	●
3	Clamping jaws (1 set = 3 pieces)	89.213.03	30266139	●
4	Spindle	89.216.13	30266147	●
5	Pinion	89.216.05	30266143	●
6	Bevel gear	89.216.06	30266196	●
7	Thrust Piece	89.213.07	30266165	●
8	Pinion screw	89.213.08	30266193	●
9	Cover	89.213.09	30266153	●
10	Stop disc	89.213.10	30266155	●
11	O-ring 38 x 1.5	89.213.11	10019664	●
12	O-ring, red	89.216.39	30263595	●
13	O-ring 16 x 1.5	89.216.14	10002547	●
14	Gasket Ø 3-6	89.216.15	30266128	●
15	Gasket Ø 6-16	89.216.16	30266129	●
19	O-ring 8 x 1.5	89.213.20	10015676	●

Dimensions in mm.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Spare parts for CNC Precision Drill Chuck

For design WTE 16 IKT



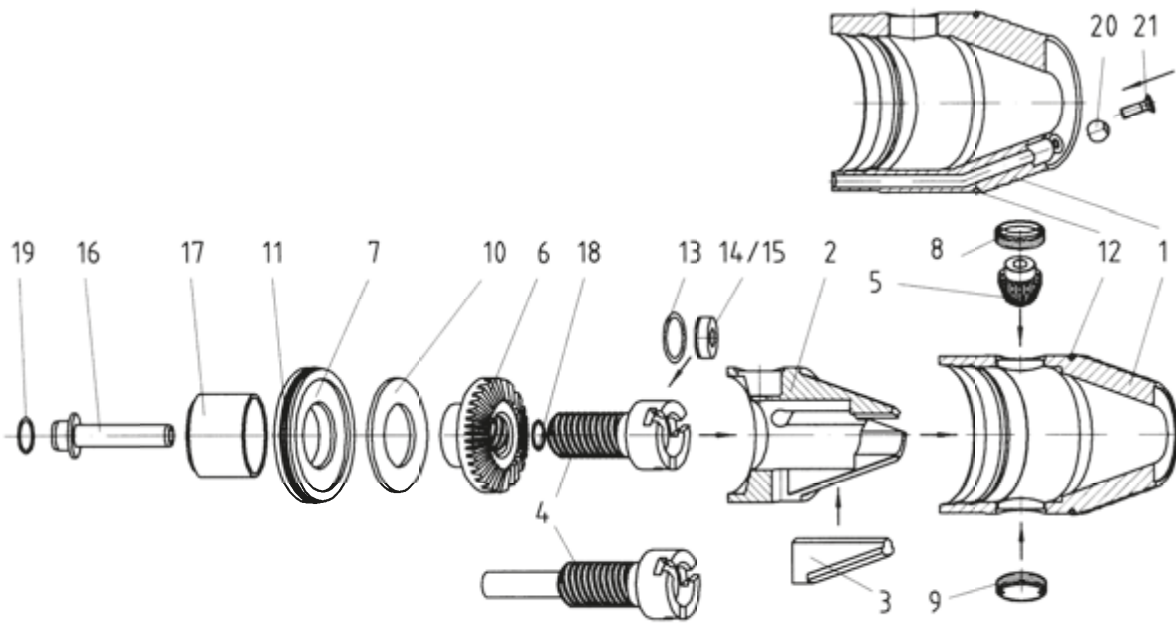
Nr.	Description	Order designation	Order No.	Stock
1	Sleeve	89.216.72	30266099	●
2	Expansion cone	89.216.71	30266134	●
3	Clamping jaws (1 set = 3 pieces)	89.213.03	30266139	●
4	Spindle	89.216.13	30266147	●
5	Pinion	89.216.05	30266143	●
6	Bevel gear	89.216.06	30266196	●
7	Thrust Piece	89.213.07	30266165	●
8	Pinion screw	89.213.08	30266193	●
9	Cover	89.213.09	30266153	●
10	Stop disc	89.213.10	30266155	●
11	O-ring 38 x 1.5	89.213.11	10019664	●
12	O-ring, red	89.216.39	30263595	●
13	O-ring 16 x 1.5	89.216.14	10002547	●
14	Gasket Ø 3-6	89.216.15	30266128	●
15	Gasket Ø 6-16	89.216.16	30266129	●
16	Coolant pipe	89.213.29	30266167	●
17	Spacer	89.213.30	30266168	●
18	O-ring 6 x 1.5	89.213.36	10002608	●
19	O-ring 8 x 1.5	89.213.20	10015676	●

Dimensions in mm.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Spare parts for CNC Precision Drill Chuck

For design WTE 16 VDI

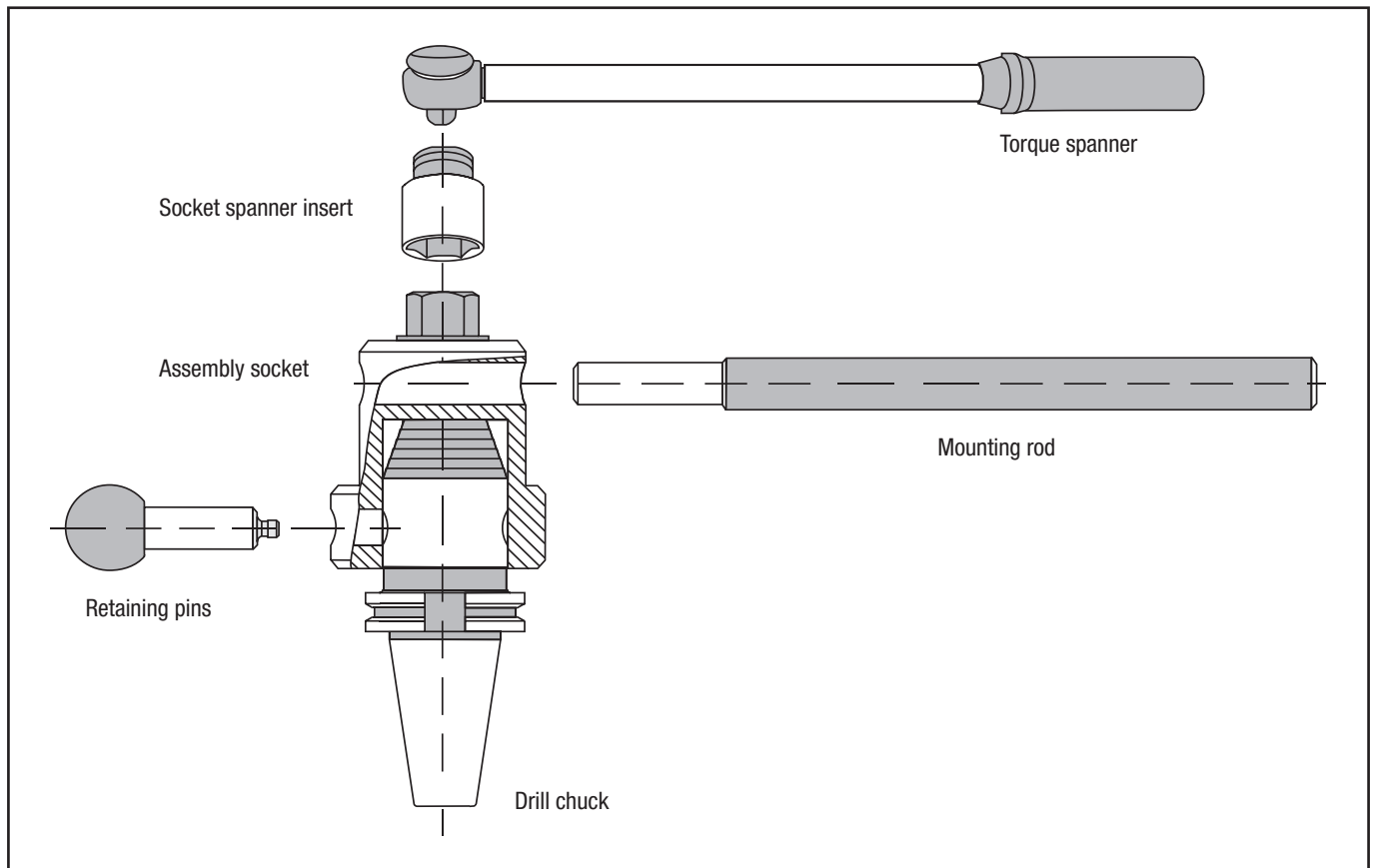


Nr.	Description	Order designation	Order No.	Stock
1	Sleeve	89.216.17	30266100	●
2	Expansion cone	89.216.10	30336482	●
3	Clamping jaws (1 set = 3 pieces)	89.213.03	30266139	●
4	Spindle	89.216.04	30266146	●
5	Pinion	89.216.05	30266143	●
6	Bevel gear	89.216.06	30266196	●
7	Thrust Piece	89.213.07	30266165	●
8	Pinion screw	89.213.08	30266193	●
10	Stop disc	89.213.10	30266155	●
11	O-ring 38 x 1.5	89.213.11	10019664	●
12	O-ring, red	89.216.12	30269069	●
20	Ball Ø 7	89.213.18	30266163	●
21	Countersunk screw	89.213.19	30336466	●

Dimensions in mm.

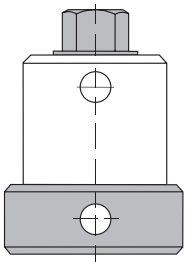
● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Overview of the installation tools for CNC Precision Drill Chucks



Mounting Bell

Incl. retaining pins



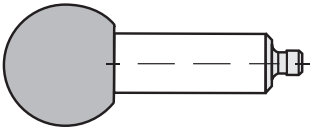
Nr.	Fits	Weight kg	Order designation	Order No.	Stock
1	WTE 08/08 IK	0.3	89.208.22	30266169	●
2	WTE 08 VDI	0.3	89.208.23	30266170	●
3	WTE 13/13 IK/13 IKT	0.4	89.213.23	30266171	●
4	WTE 13 VDI/16/16 IK/16 IKT/16 VDI	0.5	89.216.25	30336487	●

Dimensions in mm.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

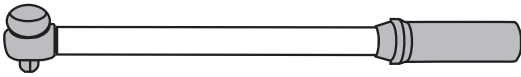
Retaining Pins

For Mounting Bell



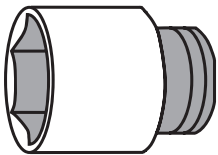
Fits	Weight kg	Order designation	Order No.	Stock
Nr. 1 / Nr. 2	0.3	89.208.26	30336449	●
Nr. 3 / Nr. 4	0.3	89.213.26	30266176	●

Torque Spanner



Tightening value	Square drive	Order designation	Order No.	Stock
20 - 120 Nm	1/2 "	89.208.35	30266178	○

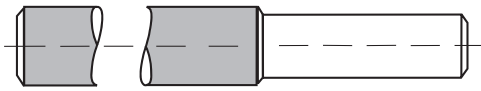
Socket Spanner Insert



Hexagon	Square drive	Order designation	Order No.	Stock
sw 19	1/2 "	89.208.34	30266180	○

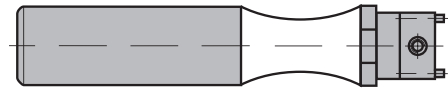
Mounting Rod

Fits all Mounting Bells



Weight kg	Order designation	Order No.	Stock
1.0	89.208.30	30266181	●

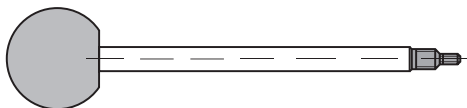
Pinion Screwdriver



WTE Norm	Weight kg	Order designation	Order No.	Stock
WTE 08	0.04	89.208.24	30266182	●
WTE 13 / 16	0.04	89.213.21	30266183	●

Assembly Tool

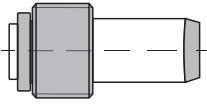
For gasket



WTE Norm	Weight kg	Order designation	Order No.	Stock
WTE 08	0.03	89.208.44	30266184	●
WTE 13 / 16	0.03	89.213.44	30336476	●

Coolant Transfer Pipe

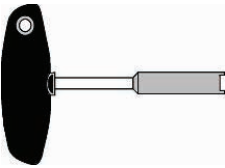
For DIN 69893-A/E



HSK	Weight kg	Order designation	Order No.	Stock
32	0.01	89.220.72	30326003	○
40	0.01	89.220.73	30326004	○
50	0.02	89.220.74	30326005	●
63	0.02	89.220.75	30326006	●
80	0.02	89.220.76	30326007	○
100	0.03	89.220.77	30326008	○

Assembly Key

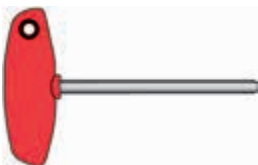
For Coolant Pipe



sw	Weight kg	Order designation	Order No.	Stock
32	0.01	89.206.20	10074750	○
40	0.01	89.206.21	10074751	○
50	0.01	89.206.22	10074752	○
63	0.01	89.206.23	10040110	●
80	0.02	89.206.24	10074774	○
100	0.02	89.206.25	10074775	○

Hexagonal T-key

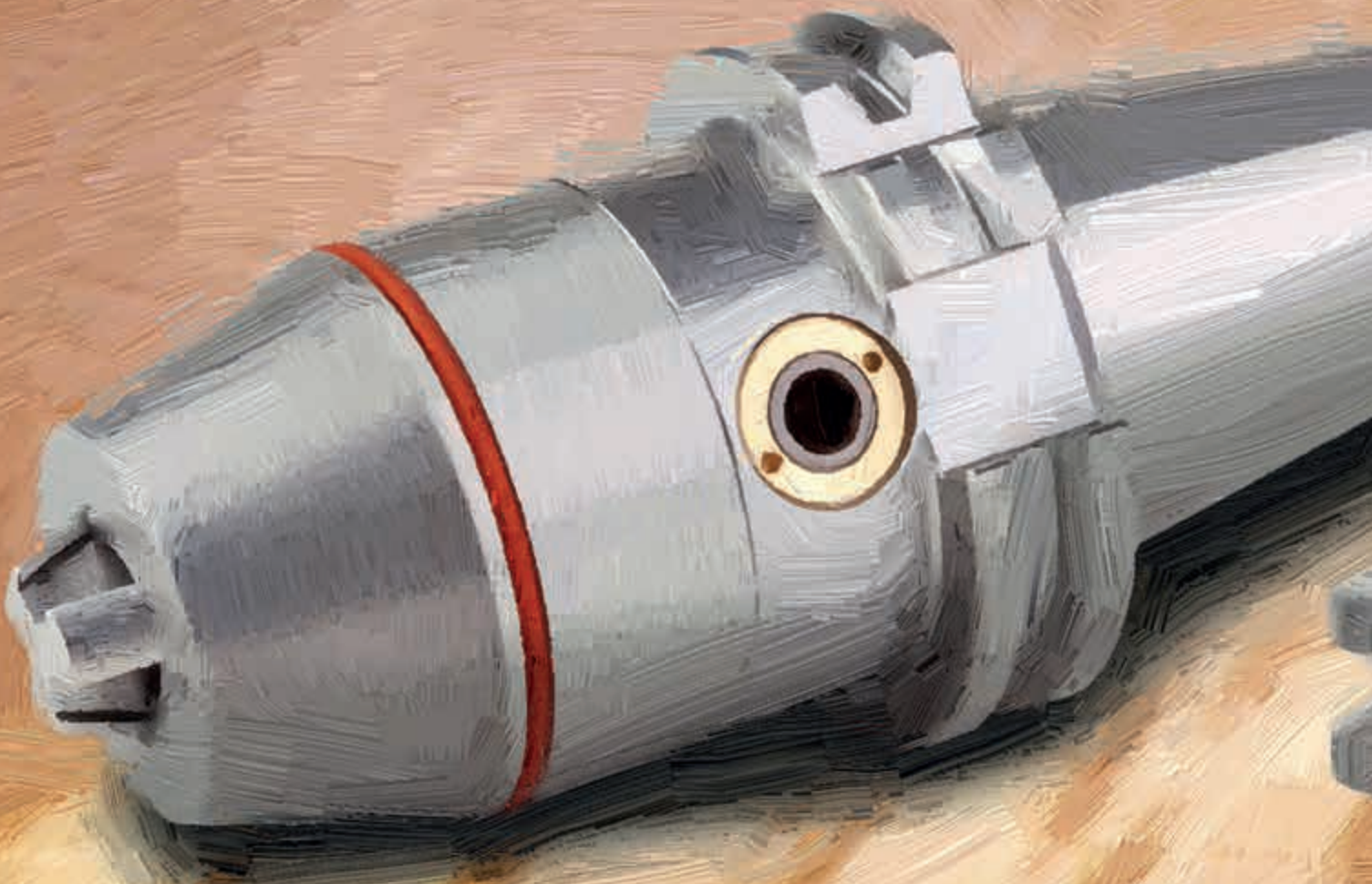
For pinion activation

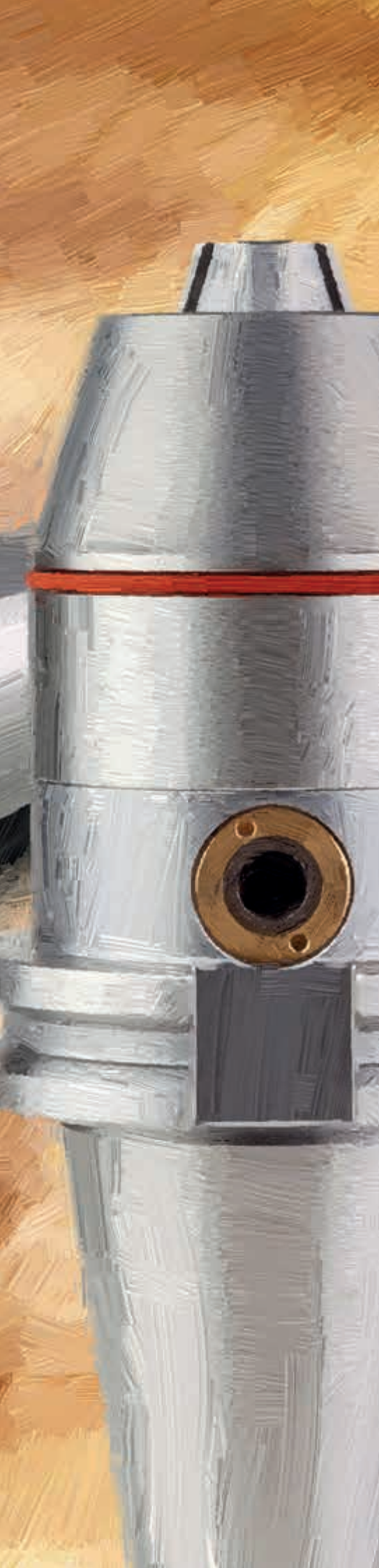


sw	l	Weight kg	WTE Norm	Order designation	Order No.	Stock
4	100	0.03	WTE 08	89.206.07	10006235	●
6	100	0.03	WTE 13 / 16	89.206.06	10006237	●

Dimensions in mm.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).





NC Standard Drill Chucks

- Two different clamping ranges possible
- Reliable pinion-bevel gear drive
- Clockwise and counter-clockwise rotation possible
- Slim construction

Shank form SK as per ISO 7388-1

SK 40	Page	228-229
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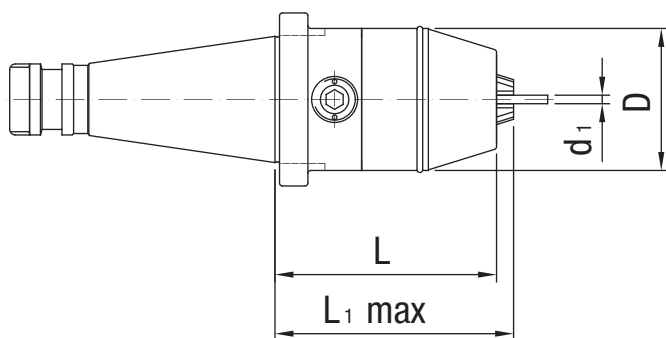
Shank form BT as per ISO 7388-2

BT 40	Page	230
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Spare parts & accessories

Spare parts & accessories	Page	231-232
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NC Standard Drill Chuck DIN 2080, Form A



Nominal size SK/ISO	WTE Norm	Clamping range d_1	Dimensions			Weight kg	Order designation	Order No.	Stock
			D	L	L_1 max.				
40	WTE 13	0.5 - 13	50	78	84	1.5	10.297.40.13	30342426	●
40	WTE 16	2.5 - 16	57	78	86	1.7	10.297.40.16	30342427	●

Dimensions in mm.

Spare parts and accessories at the end of this chapter.

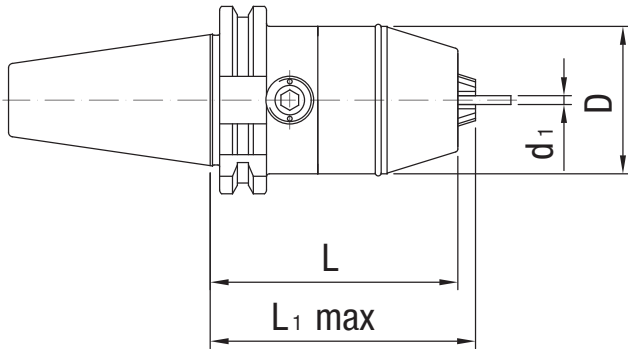
Custom designs available on request.

● These products are available in stock.

○ Standard tool not on stock (delivery time on request).

NC Standard Drill Chuck ISO 7388-1, Form A

(prev. DIN 69871-A)



Nominal size SK/ISO	WTE Norm	Clamping range	Dimensions			Weight kg	Order designation	Order No.	Stock
			d ₁	D	L				
40	WTE 13	0.5 - 13	50	84	90	1.5	11.297.40.13	30342428	●
40	WTE 16	2.5 - 16	57	84	92	1.7	11.297.40.16	30342429	●

Dimensions in mm.

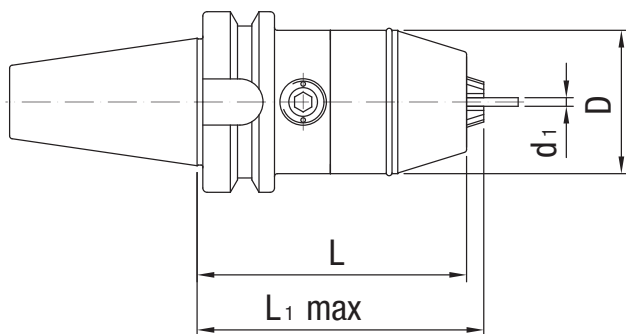
Spare parts and accessories at the end of this chapter.

Custom designs available on request.

● These products are available in stock.

○ Standard tool not on stock (delivery time on request).

NC Standard Drill Chuck ISO 7388-2 (JIS 6339)



Nominal size BT	WTE Norm	Clamping range d_1	Dimensions			Weight kg	Order designation	Order No.	Stock
			D	L	L_1 max.				
40	WTE 13	0.5 - 13	50	94	100	1.8	20.297.40.13	30342430	●
40	WTE 16	2.5 - 16	57	94	102	2	20.297.40.16	30342431	●

Dimensions in mm.

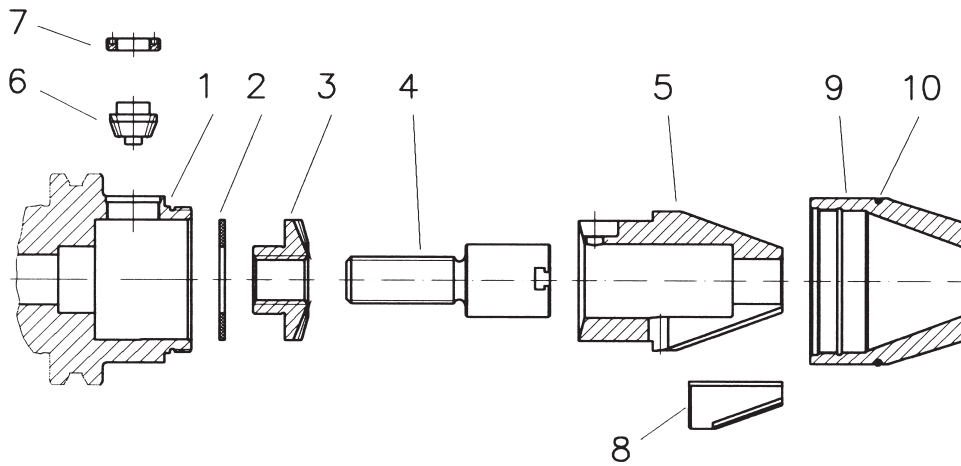
Spare parts and accessories at the end of this chapter.

Custom designs available on request.

● These products are available in stock.

○ Standard tool not on stock (delivery time on request).

Spare parts for NC Standard Drill Chuck



For design WTE 13

Nr.	Description	Order designation	Order No.	Stock
2	Stop disc	89.213.10	30266155	●
3	Bevel gear	89.213.06	30266195	●
4	Spindle	89.213.103	30336465	●
5	Expansion cone	89.213.101	30336463	●
6	Pinion	89.213.102	30336464	●
7	Pinion screw	89.213.08	30266193	●
8	Clamping jaws (1 set = 3 pieces)	89.213.03	30266139	●
9	Sleeve	89.213.100	30336462	●
10	O-ring, red	89.213.39	30346068	●

For design WTE 16

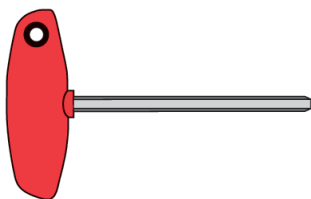
Nr.	Description	Order designation	Order No.	Stock
2	Stop disc	89.213.10	30266155	●
3	Bevel gear	89.213.06	30266195	●
4	Spindle	89.216.103	30336485	●
5	Expansion cone	89.216.101	30336484	●
6	Pinion	89.213.102	30336464	●
7	Pinion screw	89.213.08	30266193	●
8	Clamping jaws (1 set = 3 pieces)	89.213.03	30266139	●
9	Sleeve	89.216.100	30336483	●
10	O-ring, red	89.216.39	30263595	●

Dimensions in mm.

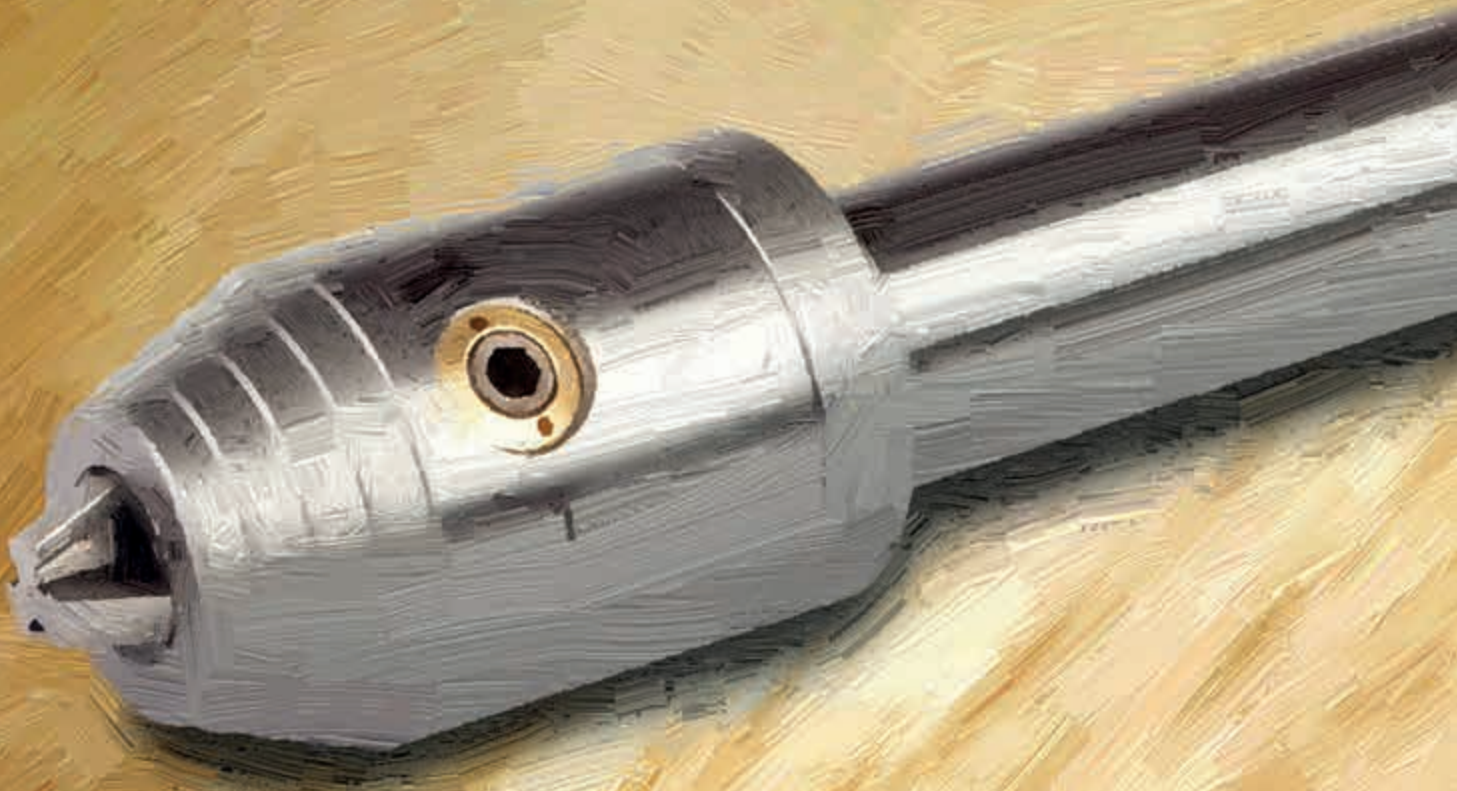
● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

Hexagonal T-key

For pinion activation



sw	l	Weight kg	Order designation	Order No.	Stock
6	100	0.03	89.206.06	10006237	●



MICRO Universal Chucks

- Continuously expandable clamping range for tool shanks from 0.2 to 6.4 mm
- High holding forces
- Quick setup times
- Flexible clamping
- Maximum speed up to 60000 min⁻¹

MICRO Universal Chuck 340

Shank form SK as per ISO 7388-1

SK 30	Page	236
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Shank form BT as per ISO 7388-2

BT 30	Page	236
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Shank form HSK

HSK-A 32/40/50	Page	237
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HSK-E 25/32/40	Page	238
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Cylindrical shank

Cylindrical shank	Page	239
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Accessories

Accessories	Page	243
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MICRO Universal Chuck 640

Shank form SK as per ISO 7388-1

SK 30	Page	240
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Shank form BT as per ISO 7388-2

BT 30	Page	240
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Shank form HSK

HSK-A 32/40/50	Page	241
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HSK-E 25/32/40	Page	242
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Cylindrical shank

Cylindrical shank	Page	243
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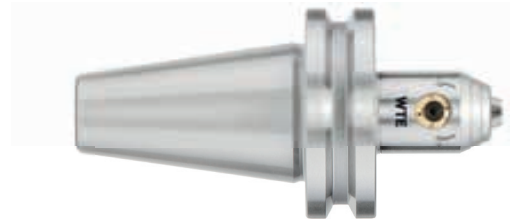
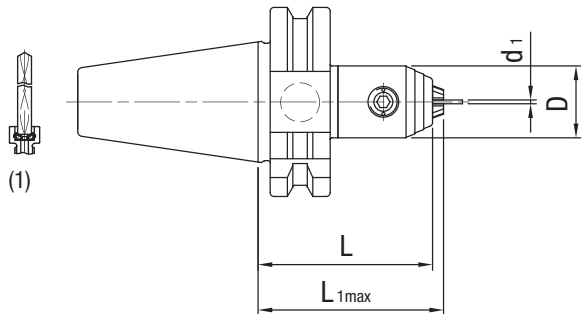
Accessories

Accessories	Page	243
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MICRO Universal Chuck 340

ISO 7388-1, Form AD (prev. DIN 69871-AD)

ISO 7388-2 (JIS 6339) coolant supply as per ISO 7388-2, Form JD

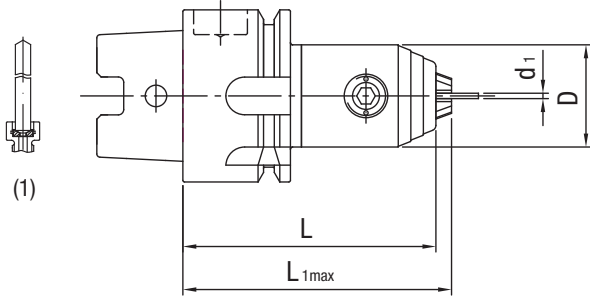


Nominal size Shank	WTE Norm	Clamping range	Dimensions			Weight kg	Order designation	Order No.	Stock
			d_1	D	L				
SK 30	WTE 03	0.2-3.4	19	45	48	0.41	15.236.30.03.Z	30439744	●
BT 30	WTE 03	0.2-3.4	19	48	51	0.47	22.236.30.03.Z	30439751	●

(1) WTE 03 sealing disk (diameter 0.5 mm) included in scope of supply, for inner coolant drills diameter 0.7-3.4 mm with smooth shank acc. to DIN 6535 Form HA.

MICRO Universal Chuck 340

DIN 69893-A

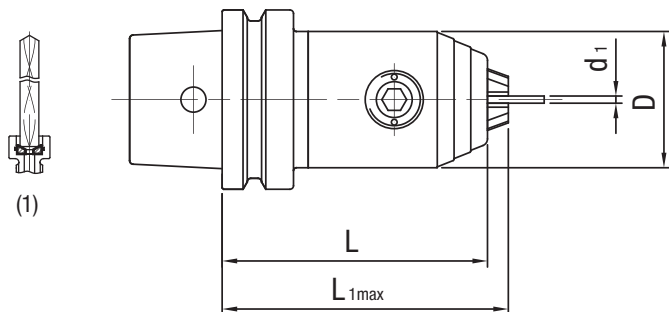


Nominal size HSK-A	WTE Norm	Clamping range	Dimensions			Weight kg	Order designation	Order No.	Stock
			d ₁	D	L				
32	WTE 03	0.2-3.4	19	46	49	0.16	16.236.32.03.Z	30439728	●
40	WTE 03	0.2-3.4	19	46	49	0.24	16.236.40.03.Z	30439736	●
50	WTE 03	0.2-3.4	19	52	55	0.43	16.236.50.03.Z	30439739	●

(1) WTE 03 sealing disk (diameter 0.5 mm) included in scope of supply, for inner coolant drills diameter 0.7-3.4 mm with smooth shank acc. to DIN 6535 Form HA.

MICRO Universal Chuck 340

DIN 69893-E

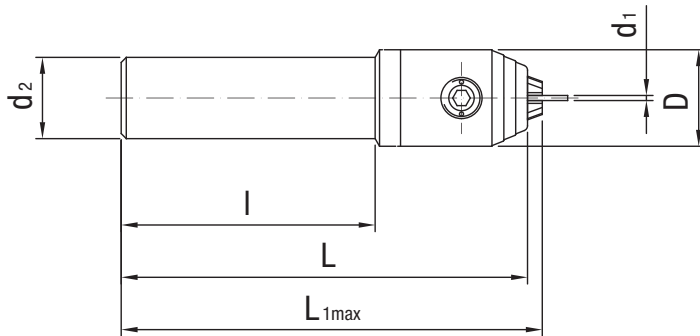


Nominal size HSK-E	WTE Norm	Clamping range d_1	Dimensions			Weight kg	Order designation	Order No.	Stock
			D	L	L_1 max.				
25	WTE 03	0.2-3.4	19	37	40	0.1	18.236.25.03.Z	30439663	●
32	WTE 03	0.2-3.4	19	46	49	0.17	18.236.32.03.Z	30439686	●
40	WTE 03	0.2-3.4	19	46	49	0.25	18.236.40.03.Z	30439722	●

(1) WTE 03 sealing disk (diameter 0.5 mm) included in scope of supply, for inner coolant drills diameter 0.7-3.4 mm with smooth shank acc. to DIN 6535 Form HA.

MICRO Universal Chuck 340

With cylindrical shank, diameter 10 / 16 / 20 mm, for WTE Norm 03



Nominal size Shank	WTE Norm	Clamping range d_1	Dimensions					Weight kg	Order designation	Order No.	Stock
			D	d_2	L	L_1 max.	l				
10	WTE 03	0.2-3.4	19	10	70	73	40	0.08	40.257.10.03.Z	30500299	●
10	WTE 03	0.2-3.4	19	10	100	103	70	0.09	40.257.10.03.Z/100	30500301	●
10	WTE 03	0.2-3.4	19	10	160	163	130	0.13	40.257.10.03.Z/160	30500302	●
16	WTE 03	0.2-3.4	19	16	80	83	50	0.13	40.257.16.03.Z	30439821	●
16	WTE 03	0.2-3.4	19	16	100	103	70	0.16	40.257.16.03.Z/100	30439832	●
16	WTE 03	0.2-3.4	19	16	160	163	130	0.26	40.257.16.03.Z/160	30439837	●
20	WTE 03	0.2-3.4	19	20	80	83	52	0.17	40.257.20.03.Z	30439755	●
20	WTE 03	0.2-3.4	19	20	100	103	72	0.21	40.257.20.03.Z/100	30439758	●
20	WTE 03	0.2-3.4	19	20	160	163	132	0.36	40.257.20.03.Z/160	30439763	●

Dimensions in mm.

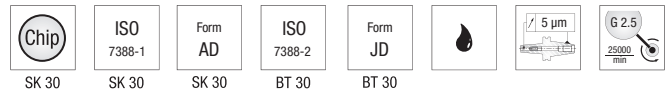
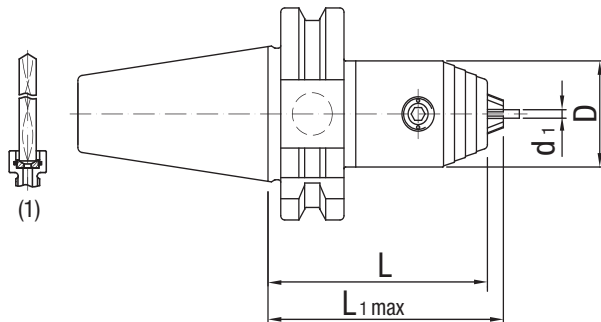
Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).

MICRO Universal Chuck 640

ISO 7388-1, Form AD (prev. DIN 69871-AD)

ISO 7388-2 (JIS 6339) coolant supply as per ISO 7388-2, Form JD

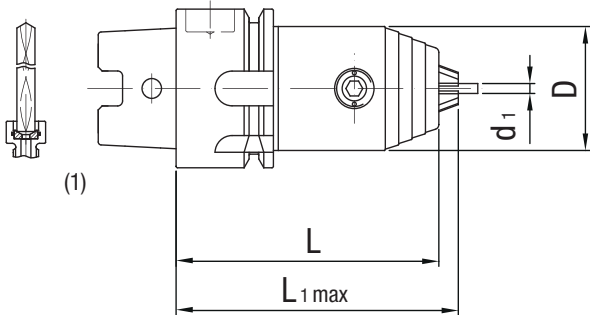


Nominal size Shank	WTE Norm	Clamping range d_1	Dimensions			Weight kg	Order designation	Order No.	Stock
			D	L	L_1 max.				
SK 30	WTE 06	0.2-6.4	25	55	59	0.8	15.266.30.06.Z	30564796	●
BT 30	WTE 06	0.2-6.4	25	58	62	0.9	22.266.30.06.Z	30564869	●

(1) WTE 06 sealing disk (diameter 0.5 mm) included in scope of supply, for inner coolant drills diameter 0.7-6.4 mm with smooth shank acc. to DIN 6535 Form HA.

MICRO Universal Chuck 640

DIN 69893-A

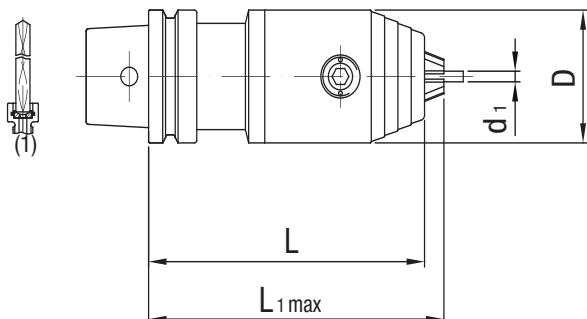


Nominal size HSK-A	WTE Norm	Clamping range d_1	Dimensions			Weight kg	Order designation	Order No.	Stock
			D	L	L_1 max.				
32	WTE 06	0.2-6.4	25	54	58	0.3	16.266.32.06.Z	30564811	●
40	WTE 06	0.2-6.4	25	54	58	0.4	16.266.40.06.Z	30564819	●
50	WTE 06	0.2-6.4	25	61	65	0.4	16.266.50.06.Z	30564823	●

(1) WTE 06 sealing disk (diameter 0.5 mm) included in scope of supply, for inner coolant drills diameter 0.7-6.4 mm with smooth shank acc. to DIN 6535 Form HA.

MICRO Universal Chuck 640

DIN 69893-E

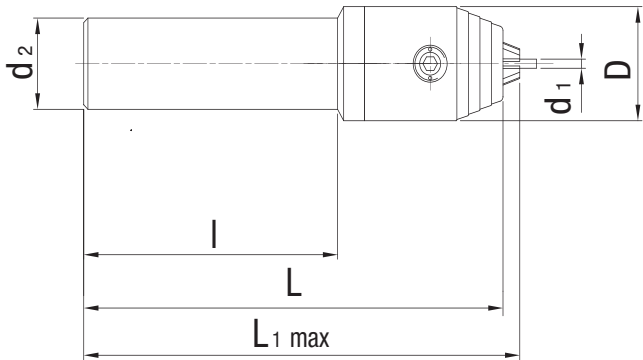


Nominal size HSK-E	WTE Norm	Clamping range d_1	Dimensions			Weight kg	Order designation	Order No.	Stock
			D	L	L_1 max.				
25	WTE 06	0.2-6.4	25	57	61	0.3	18.266.25.06.Z	30564833	●
32	WTE 06	0.2-6.4	25	54	58	0.3	18.266.32.06.Z	30564839	●
40	WTE 06	0.2-6.4	25	54	58	0.4	18.266.40.06.Z	30564844	●

(1) WTE 06 sealing disk (diameter 0.5 mm) included in scope of supply, for inner coolant drills diameter 0.7-6.4 mm with smooth shank acc. to DIN 6535 Form HA.

MICRO Universal Chuck 640

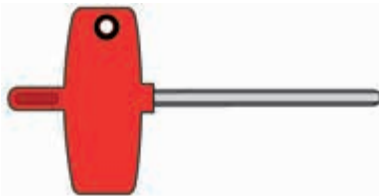
With cylindrical shank, diameter 16 / 20 mm, for WTE Norm 06



Nominal size Shank	WTE Norm	Clamping range d_1	Dimensions					Weight kg	Order designation	Order No.	Stock
			D	d_2	L	L_1 max.	I				
16	WTE 06	0.2-6.4	25	16	100	104	60	0.3	40.257.16.06.Z	30564901	●
16	WTE 06	0.2-6.4	25	16	150	154	110	0.5	40.257.16.06.Z/150	30564903	●
16	WTE 06	0.2-6.4	25	16	200	204	160	0.7	40.257.16.06.Z/200	30564905	●
20	WTE 06	0.2-6.4	25	20	100	104	60	0.4	40.257.20.06.Z	30564907	●
20	WTE 06	0.2-6.4	25	20	150	154	110	0.6	40.257.20.06.Z/150	30565004	●
20	WTE 06	0.2-6.4	25	20	200	204	160	0.8	40.257.20.06.Z/200	30565008	●

Hexagonal T-key

For pinion activation

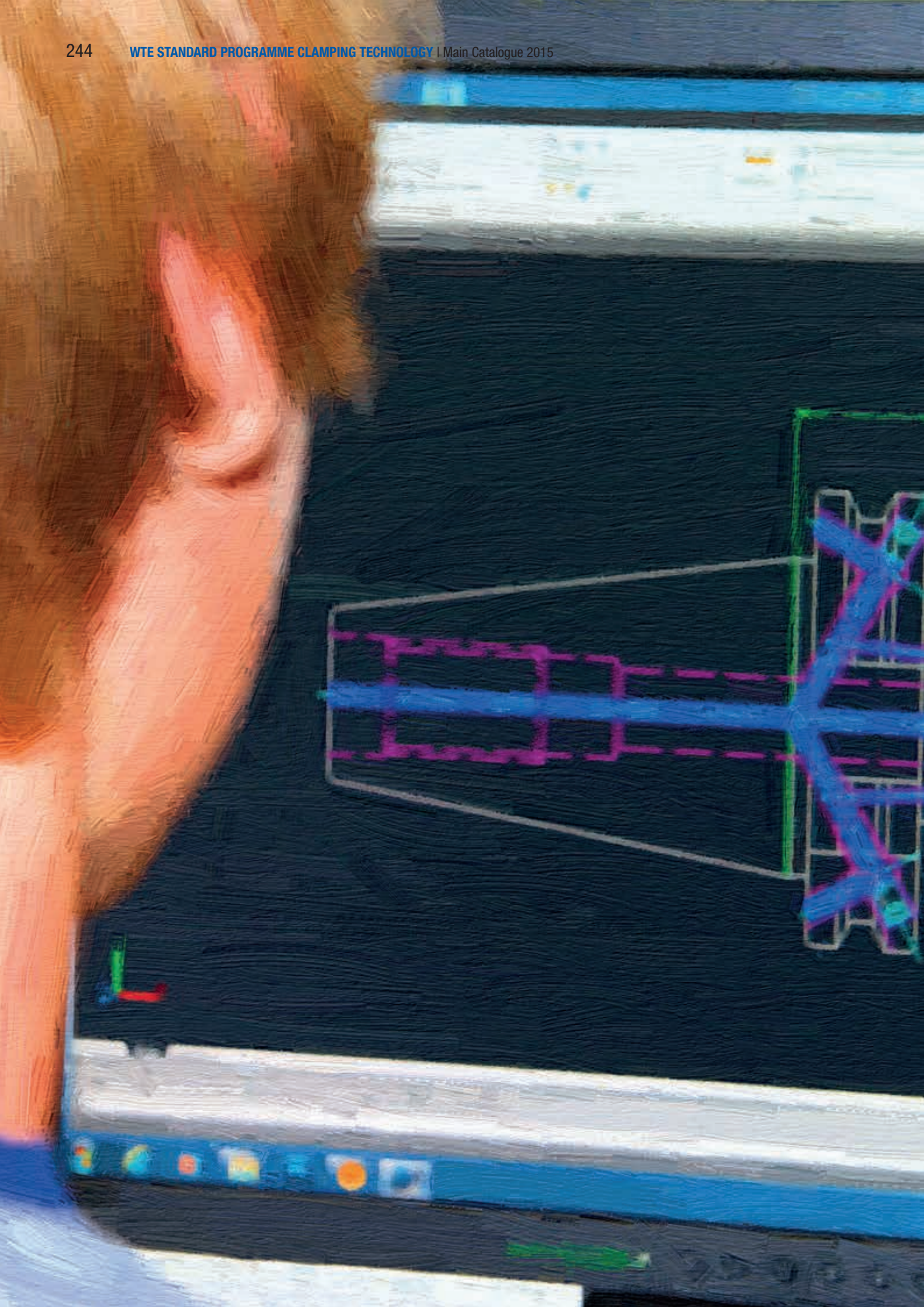


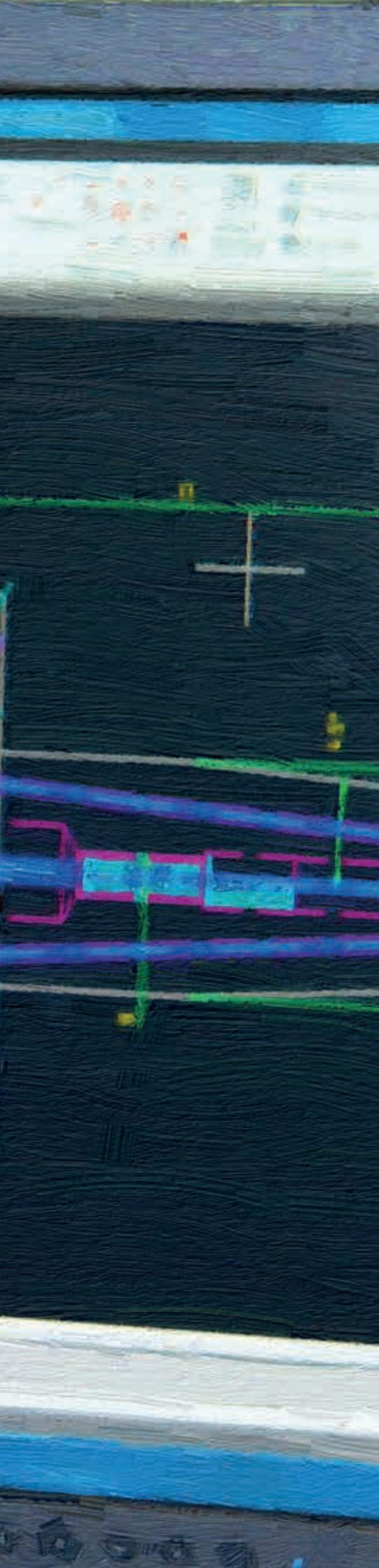
sw	l	Weight kg	WTE Norm	Order designation	Order No.	Stock
2	60	0.01	WTE 03	89.206.08	30435838	●
2.5	60	0.01	WTE 06	89.206.10	10098110	●

Dimensions in mm.

Custom designs available on request.

● These products are available in stock.
○ Standard tool not on stock (delivery time on request).





Technical Information

In the following chapter, you will find technical information and handling instructions for our chucks. In addition to the fundamental technical information regarding different chuck types, you will get important information on maintenance and service topics. You will also find information on handling, areas of applications and functional principles.

Application of WTE Hydraulic Clamping Technologies



Our Hydraulic Chucks or HPH - High Performance Holder with axial and radial activated length adjustment can be used on wood and metal processing machines with rotating tools. There are different designs depending on the type of use, for example

Chucks for automatic tool change as per:

ISO 7388-1 (DIN 69871); DIN 69893-A, DIN 69893-F, DIN 69893-E and ISO 7388-2 (JIS B6339)

Chucks for manual tool change as per:

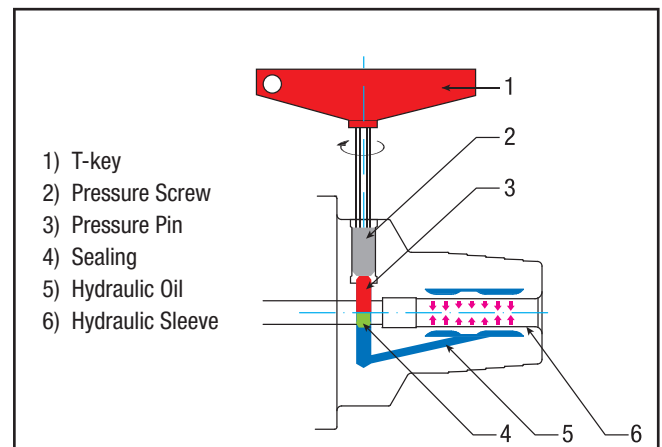
DIN 69893-C

Advantages of the WTE Hydraulic Clamping Chuck Technologies

- Extremely fast tool change
- High run-out accuracy
- Vibration damping tool clamping
- Increase of tool service life
- Reduction of micro-breakouts on the tool cutting edge
- Improvement of surface quality
- Can be used flexibly by using reducing sleeves
- Low maintenance costs due to closed clamping system
- Simple operation
- High torque transfer
- Design conforms to DIN 69882-7
- High positioning accuracy and repeatability
- Tool clamping with maximum run-out accuracy (maximum 3 µm)
- Continuous development
- Certified products as per DIN EN ISO 9001:2008 manufactured in Germany

Components and Functional Principle of Current WTE Hydraulic Clamping Technologies

1. The pressure screw (2) is screwed in with a hexagonal T-key (1) to the stop.
2. Pressure is increased in the entire hydraulic system (5) using a hydraulic clamping set (3,4).
3. The resulting pressure causes a deformation of the hydraulic sleeve (6), which uniformly encloses the tool shank found in it. Through this the tool shank is first centred and then clamped with high holding strength.
4. Leaking hydraulic fluid or releasing of the tool clamping is prevented by a special sealing element (4), which ensures a high service life of the tool.



Safe Clamping / Maintenance and Service

For proper operation all Hydraulic Chucks or HPH - High Performance Holders should be checked according to the operating manual for each clamping process for functionality and functional safety.

If any deviations are found during this, then reliable transferable torques cannot be achieved.

It is recommended for our repair service to check the expansion chuck if this has occurred.

Before using our hydraulic clamping technology, the corresponding fixture holes and bevel faces must be thoroughly cleaned. The chuck pressure screw must be cleaned and lubricated regularly, appropriate to the use and environmental conditions.

Storage of the clamping fixture should be done exclusively in the released condition, where corrosion protection must be ensured.



NEW: Radial Length Adjustment

- μ -precision length setting through compact setting gears
- No changes to the tools caused by construction or machining through self-locking adjustment screw
- 10 mm adjustment travel for all clamping diameters with rear stop of adjustment screw
- Not sensitive to dirt
- Durable mechanical system with long service life
- Coolant seal up to 100 bar
- User friendly and process reliable

Application & Characteristics of WTE Drill Chuck Technologies



WTE NC Standard Drill Chucks or CNC Precision Drill Chucks are used in almost all machining areas of the metal and machining industries.

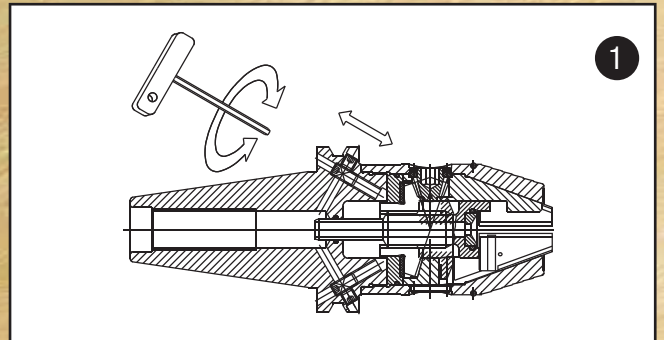
Here they excel with their precision manufacturing, by the individual components made of high-quality, hardened material and through their variable application possibilities. Speed range up to 35000 rpm is possible, depending on the design.

High clamping strengths and improved run-out accuracies are also outstanding characteristics of our Drill Chucks.

Depending on the model and type of application WTE Drill Chucks are suitable for use without coolant supply or for wet machining with internal or collar fed coolant supply.

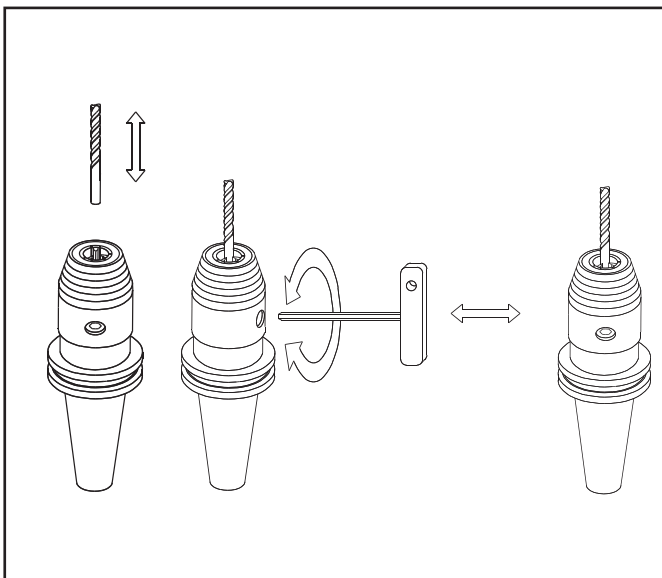
Advantages of the WTE Drill Chucks in CNC Precision and NC Standard

- Reliable mechanical function
- Simple handling
- Secure clamping independent of the direction of rotation
- Short clamping and changeover times
- Short construction
- Delivery of all possible shapes of machine-side base bodies through special modular WTE interface
- High torque transfer



To adjust the drill chuck from the basic settings to Form AF, the grub screw is rotated completely to the rear of the hole using a hexagon spanner SW 2.5.

Components and Functional Principle of WTE Drill Chucks



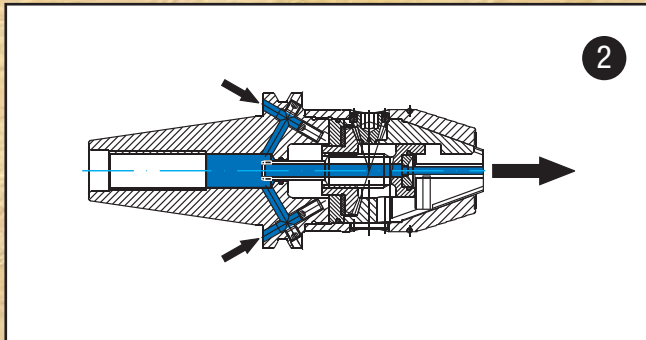
1. Open the chuck counter-clockwise to insert the respective cutting tool.
2. The cutting tool must be inserted to the stop so that the tool shank always is placed over the entire chuck (Caution: Do not clamp tapered shanks. Risk of accidents!).
3. Turn the spanner with the indicated tightening torque (see table) clockwise, to clamp the tool properly. Extensions or tightening aids must not be used, as the bevel gear drive can be damaged due to too high tightening torque. The pinion is then used as a predetermined breaking point to prevent greater damage to the drill clamp.
4. After successively checking the correct clamping and the centred alignment of the cutting tool, the drill chuck is ready for operation.

Safe Clamping / Maintenance and Service

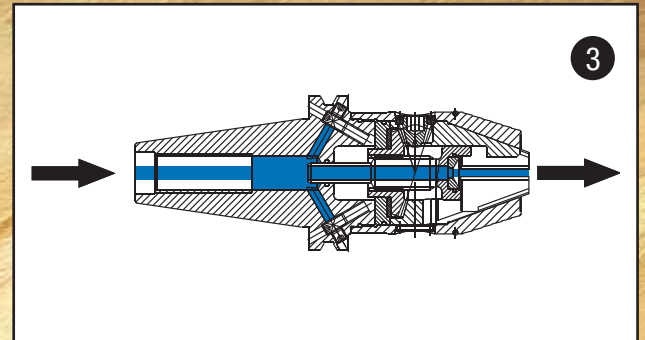
All WTE Drill Chucks are tightened using a hexagon T-key on the side via a taper drive. Here the spanner is turned clockwise to clamp the drill chuck. Opening the drill chuck is done counter-clockwise (see mark on the pinion bore). Step-by-step instructions are found in the respective operating manual. WTE drill chucks are maintenance free. After using the drill chuck, it should be cleaned with a clean cloth. The drill chuck should be oiled before storage for corrosion protection.

Caution:

Never use compressed air to clean the drill chuck, as fine shavings can get into the clamping mechanism. The drill chucks must not be cleaned with solvent or solvent-containing cleaners, as these cause corrosion.



This permits the grub screw to open the coolant supply. On the machine side, the coolant is sealed by the pull studs without a coolant duct hole.



To set the drill chuck back to Form AD, the grub screw is unscrewed. Thus, the grub screw blocks the duct hole. On the machine side the coolant supply is done through the pull studs with coolant duct hole.

Application & Characteristics of WTE Shrink Technologies



WTE Shrink Chucks are used on wood processing and metal machining equipment with rotating tools. Shrink chucks use heat-related expansion for tool clamping. The area of application for these clamping products includes a wide variety of milling jobs, heavy machining wood processing and also drilling applications.

WTE Shrink Chucks are in principle fabricated with internal coolant supply.

Selected product groups are additionally in the program with collar cooling Custom production based on the application of side cooling duct holes are available at any time on request.

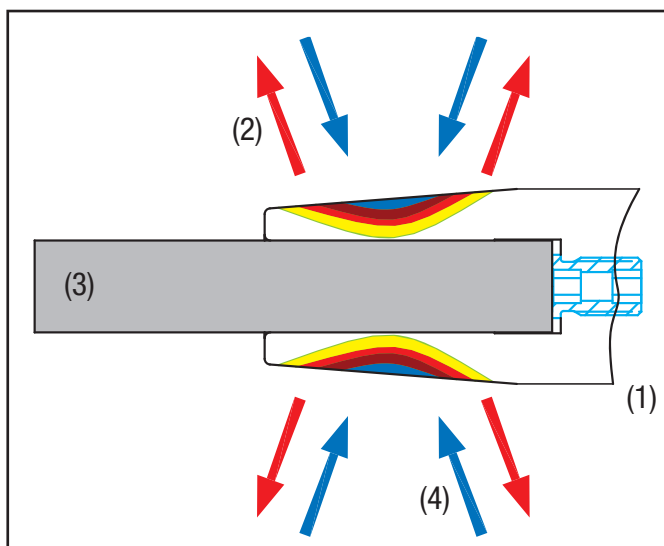
WTE Shrink Chucks are available in the designs ISO 7388-1 (DIN 69871), DIN 69893-A, DIN 69893-E, DIN 69893-F and ISO 7388-2 (JIS B6339) for automatic tool change.

For manual tool change in design DIN 69893-C.

Advantages of the WTE Shrink Chucks

- Simple attachment of the tool holder
- High run-out accuracy during tool clamping
- Secure force transfer
- Slim construction
- Cost effectiveness
- High torque transferable
- Long service life and temperature resistance by using high-strength hot-working steel
- Warp-free due to optimum heat treatment
- Optimum balance quality
- From standard clamping diameter 6 mm with balance threaded hole
- Design conforms to DIN 69882-8
- High positioning accuracy and repeatability
- Guaranteed highest run-out accuracy – maximum 3 µm
- Laser inscription for reliable product tracking
- Continuous development and repair service
- Certified products as per DIN EN ISO 9001:2008 -manufactured in Germany
- Flexible shrink system using WTE Shrink Extensions
- Stop screw adjustable from two sides

Components and Functional Principle of WTE Shrink Chucks



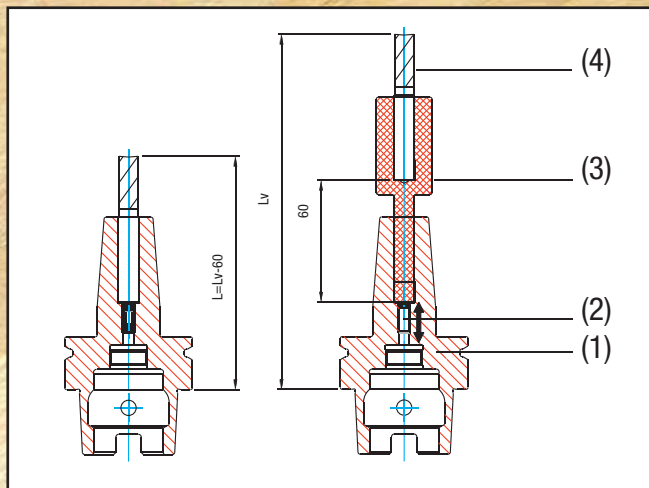
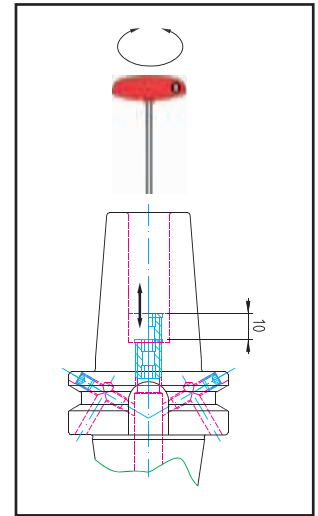
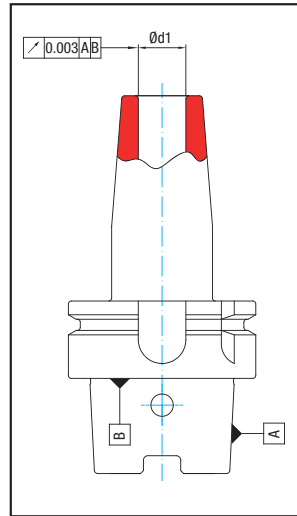
Through the addition of heat the fixture hole diameter of the shrink chuck is enlarged so that the tool shank can be inserted. There is a very tight connection after cooling.

1. The chuck (1) is heated locally on the clamping location using the most up-to-date induction technology. An induction coil generates quickly alternating eddy currents, which warms the material exactly at the point (2), at which the tool shank sits. The hole - widens.
2. The cold tool shank (3) is inserted in the warmed shrink chuck.
3. The shrink chuck is cooled (4), the clamping diameter returns to its initial dimension and clamps the tool shank. By fast cooling within 30 seconds there is no warming of the cone and the data chip.

Reliable Clamping & Length Adjustment

WTE Shrink Chucks are designed for the transfer of larger torques (holding strengths). This is achieved by fixture holes and shrink lengths optimally matched to the material and the WTE shrink devices.

The length adjustment of the WTE Shrink Chucks is done by an adjustment screw with hexagon socket on two sides. The screw is bored through the centre, so that internal coolant supply is ensured. The length adjustment can be done from two sides.



Length adjustment description

1. Before the shrinking process, connect the tool (4), WTE Length Presetter (3) and WTE Shrink Chuck (1) with WTE Stop Screw (2).
2. Set the length end dimension of the tool by turning the length presetter (sets the stop screw to the desired dimension). The desired length (L) after shrinking results with the presetting length (L_v) from $L = L_v - 60$ mm.
3. Remove length presetter and shrink tool. The tool must sit on the stop screw.

Customer service

Balance quality

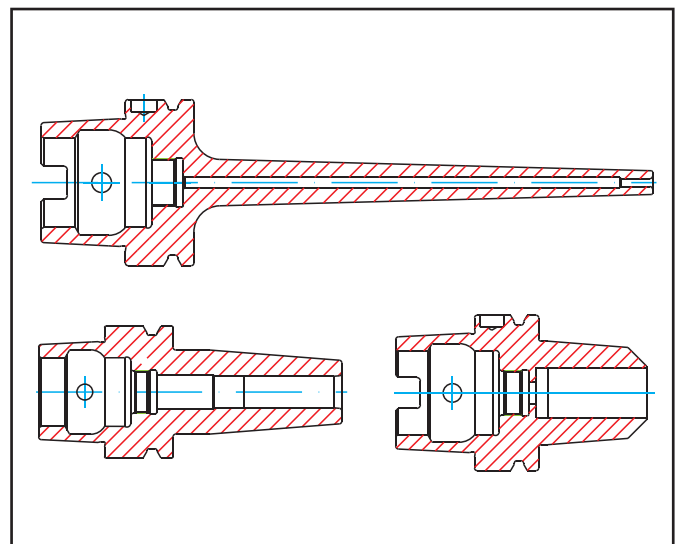
All WTE Shrink Chucks are balanced as standard. Please take the balance quality from the individual item descriptions. If you require other balance qualities, you can balance the WTE Shrink Chucks according to your requirements.

Custom Shrink Chucks

Through our many years of experience in the area of development, design and production of shrink chucks, we have the possibility to develop shrink chucks to your requirements and produce them in record time. We are happy to answer your questions about this.

Shrink Chucks - Heavy Duty Design

For induction shrink devices with 20 KVA on request.



Application & Characteristics of MICRO Universal Chucks



MICRO Universal Chucks were developed especially for clamping smaller shank diameters. Clamping with shrink chucks is only possible reliably with a diameter of 3 mm and larger. Collet chucks have a larger interference contour due to the retainer nut and the coolant supply is significantly hindered.

MICRO Universal Chucks offer the possibility of reliably clamping, with a very similar interference contour as with shrink collets, shanks starting at \varnothing 0.2 mm, or even micro-tools with internal coolant supply.

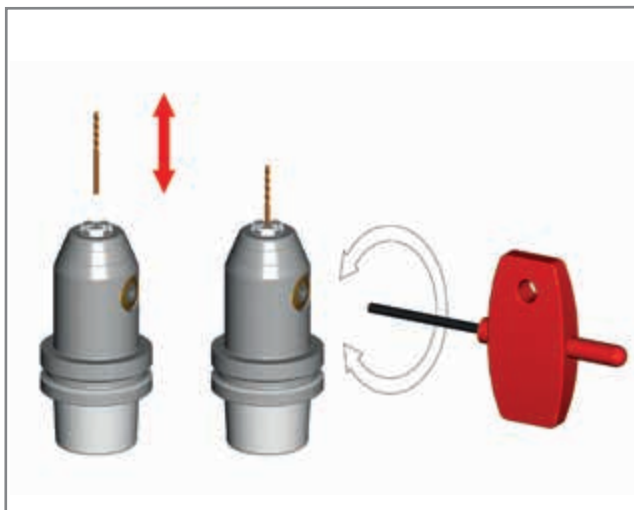
These chucks are used in the watch industry, medical technology and other areas of micro-machining due to their high run-out accuracy, quick and simple handling and speeds up to 60000 rpm..

Advantages of the WTE MICRO Universal Chucks

- Large clamping range from \varnothing 0.2 to 3.4 mm
- Low interfering contour
- Reliable and fast clamping
- Simple handling
- Available in shank forms HSK-A, HSK-E, SK and with cylindrical shaft
- Max. speeds up to 60000 rpm



Components & functional principle of WTE MICRO Universal Chucks



1. Open the chuck counter-clockwise to insert the respective cutting tool.

2. The cutting tool must be inserted to the stop so that the tool shank always lies in the entire length of the chuck.

Caution: Do not clamp a conical shank, because of risk of injury!

3. Turn the spanner with the indicated tightening torque (see table) clockwise, to clamp the tool properly.

Extensions or tightening aids must not be used, as the bevel gear drive can be damaged due to too high tightening torque.

4. After successively checking the correct clamping and the centred alignment of the cutting tool, the drill chuck is ready for operation.

Safe Clamping / Maintenance and Service

Clamping with the MICRO Universal Chucks is done using the hexagon T-key via a bevel gear drive. Here the spanner is turned clockwise to clamp the tool. Opening the chuck is done counter-clockwise (see mark on the pinion bore). WTE MICRO Universal Chucks are maintenance-free.

After use the chuck should be cleaned with a clean cloth. The chuck should be oiled before storage for corrosion protection.

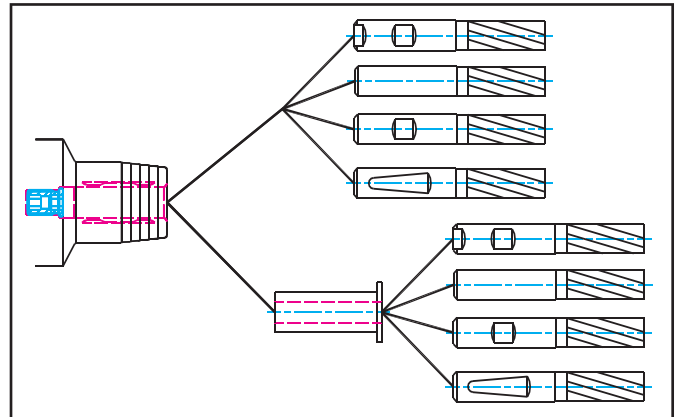
Caution:

Never use compressed air to clean the chuck, as fine shavings can get into the clamping mechanism. Do not clean the chuck with solvent or solvent-containing cleaners, as these cause corrosion.



Technical Data WTE Hydraulic Chucks

- Material 1600-1800 N/mm² tension strength
- Hardness 52 + 2HRc
- Holder balanced
- Laser inscription
- Max. speed 40000 rpm (Observe spindle speed limit, interface, fine balancing recommended!)
- Working temperature 20-50 °C; higher temperatures on request, do not use over 80 °C
- Coolant pressure max. 80 bar
- Adjustment travel 10 mm
- Clampable shanks (tolerance h6) with and without reducing sleeves:
 - DIN 1835 Form A, B, C, D
 - DIN 6535 Form H, HB, HE



Allowable Transferable Torques WTE Hydraulic Chucks

Transferable torques with direct clamping (torque specification in Nm)

Clamping diameter in mm	6	8	10	12	14	16	18	20	25	32
Minimum clamping depth in mm	27	27	31	36	36	39	39	41	47	51
Shank smallest dimension h6	20	30	47	80	100	160	200	330	400	650
Shank largest dimension h6	30	45	85	140	160	230	270	400	470	730

Transferable torques for WTE Hydraulic Chucks, clamping diameter 32 mm with reducing sleeve (torque specification in Nm)

Clamping diameter in mm	6	8	10	12	14	16	18	20	25	
Shank smallest dimension h6	30	45	60	120	120	180	220	250	360	
Shank largest dimension h6	45	65	110	170	170	230	300	320	440	

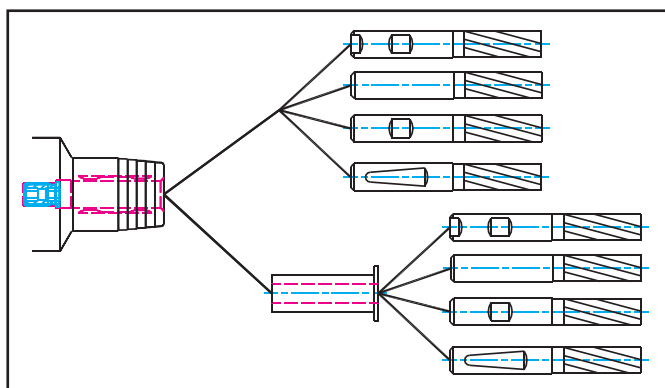
Transferable torques for WTE Hydraulic Chucks, clamping diameter 20 mm with reducing sleeve (torque specification in Nm)

Clamping diameter in mm	3	4	5	6	8	10	12	14	16	
Shank smallest dimension h6	6	9	16	30	55	90	120	135	190	
Shank largest dimension h6	10	12	22	40	75	120	150	170	260	

Transferable torques for WTE Hydraulic Chucks, clamping diameter 12 mm with reducing sleeve (torque specification in Nm)

Clamping diameter in mm	3	4	5	6	8					
Shank smallest dimension h6	3	4	7	12	18					
Shank largest dimension h6	4	8	12	20	26					

Technical Data WTE HPH - High Performance Holder



- Material 1600-1800 N/mm² tension strength
- Hardness 52 + 2HRc
- Holder balanced
- Laser inscription
- Max. speed 40000 rpm (Observe spindle speed limit, interface, fine balancing recommended!)
- Application temperature 20-80 °C; do not use over 100 °C
- Coolant pressure max. 80 bar
- Adjustment travel 10 mm
- Clampable shanks (tolerance h6) with and without reducing sleeves:
 - DIN 1835 Form A, B, C, D
 - DIN 6535 Form H, HB, HE

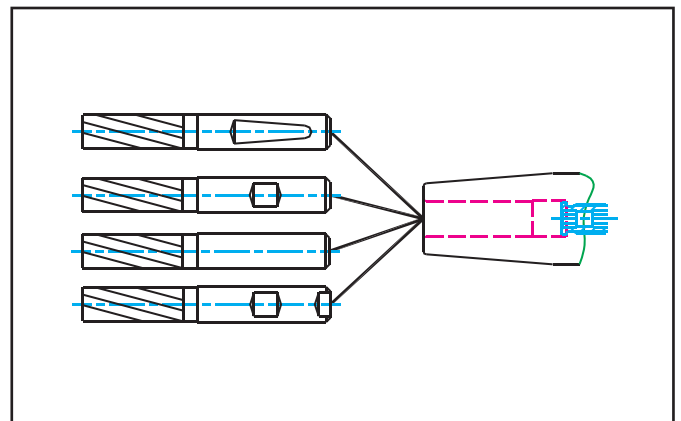
Allowable Transferable Torques HPH - High Performance Holder

Transferable torques with direct clamping (torque specification in Nm)

Clamping diameter in mm	6	8	10	12	14	16	18	20	25	32
Minimum clamping depth in mm	27	27	31	36	36	39	39	41	47	51
Shank smallest dimension h6	30	50	100	150	210	280	360	550	650	800
Shank largest dimension h6	40	65	135	190	280	380	450	650	750	890

Technical Data WTE Shrink Chucks

- Material 1600-1800 N/mm²
- Hardness 52 + 2HRC
- Holder balanced as standard
- Laser inscription
- Max. speed 40000 rpm (Observe spindle speed limit, interface, fine balancing recommended)
- Shrink temperature 100-420 °C
- Maximum shrink temperature 500 °C
- Coolant pressure max. 80 bar
- Adjustment travel 10 mm, adjustable from two sides
- Clampable: Cylinder shanks tolerance outside diameter h6
- Shrinking in and out of HM and HSS tools when using the appropriate shrink devices



Allowable Transferable Torques WTE Shrink Chucks

Transferable torques with direct clamping (torque specification in Nm)

Clamping diameter in mm	3	4	5	6	8	10	12	14	16	18	20	25	32
Minimum clamping depth in mm	12	16	20	26	26	31	37	37	40	40	42	48	52
Torque	4	11	17	24	45	82	145	190	200	290	450	530	700

Technical Data WTE Drill Chucks

WTE Standard	Drill Chuck		
	WTE 08	WTE 13	WTE 16
Clamping range	0.3 - 8.0 mm	0.5 - 13.0 mm	2.5 - 16 mm
Run-out deviation, maximum	< 0.02 mm (*)	< 0.02 mm (*)	< 0.02 mm (*)
Tightening torque in reference to run-out deviation	8 Nm	15 Nm	15 Nm
Transferable torque	18 Nm (**)	40 Nm (**)	45 Nm (**)
Maximum permissible tightening torque	10 Nm	20 Nm	20 Nm
Transferable torque with maximum permissible tightening torque	30 Nm (**)	80 Nm (**)	90 Nm (**)
Maximum permissible speed	35000 min ⁻¹ (***)	35000 min ⁻¹ (***)	35000 min ⁻¹ (***)

(*) Check the run-out deviation according to the test protocol „Precision“.

(**) All CNC Drill Chucks are clamped using a hexagon T-key on the side via a cone operation (see operating manual). For the use of the drill chuck, a tightening torque of 8 Nm or

15 Nm is sufficient on the hexagon T-key. The high holding torques achieved with the CNC Drill Chucks are intended to be for additional safety and are not necessary for normal use.

(***) The CNC Chucks are „unbalanced“, suitable for use up to 7000 rpm. For application with speeds over 7000 rpm to max 35000 rpm as for example in

aluminium machining or wood processing, the chucks must additionally be balanced acc. to the balance classes, taking into consideration the speed and balance quality.

Technical Data MICRO Universal Chuck

WTE Standard	WTE 03	WTE 06
Clamping range	0.2–3.4 mm	0.2–6.4 mm
Run-out deviation, maximum	< 0.005 mm (*)	< 0.005 mm (*)
Tightening torque in reference to run-out deviation	1.5 Nm	3 Nm
Transferable torque	4.5 Nm (**)	9 Nm (**)
Maximum permissible tightening torque	2 Nm	4 Nm
Transferable torque with maximum permissible tightening torque	7 Nm (**)	12 Nm (**)
Maximum permissible speed	60000 min ⁻¹ (***)	60000 min ⁻¹ (***)

(*) Check the run-out deviation according to the test protocol „MICRO Universal Chuck“.

(**) All MICRO Universal Chucks are tightened using a hexagon T-key on the side via a taper drive. For the use of the MICRO Universal Chuck a tightening torque of 1.5 Nm (WTE 03) or 3 Nm (WTE 06) is sufficient on the hexagon T-key. The high holding torques achieved with the MICRO Universal Chuck are intended to be for additional safety and are not necessary for normal use.

(***) The MICRO Universal Chucks are „unbalanced“, suitable for use up to 18000 rpm. For application with speeds over 18000 rpm to 60000 rpm (e.g. in aluminium or wood machining), the MICRO Universal Chuck must additionally be balanced acc. to the balance classes– taking into consideration the speed and balance quality.

WTE Präzisionstechnik GmbH - Delivery and Payment Conditions

For tools, special tools, machines in accordance with the directives and conditions of the VDMA and of the precision tools specialist community

I. OFFER

1. Any and all information pertaining to weights, dimensions, performance and other technical data contained in Supplier's illustrations and drawings shall be deemed to be only approximate unless stipulated as being definitive. The Supplier reserves all rights of title, ownership and copyright to any and all illustrations, sketches, drawings, gauges, samples etc. included with his quotations and deliveries; said items shall not be made available third parties without Supplier's express consent.
2. Purchaser shall be solely responsible for the documentation, plans, samples etc. to be provided by Purchaser. Purchaser shall be responsible for ensuring that design drawings submitted by Purchaser do not infringe upon the industrial property rights of third parties. Supplier shall be under no obligation to Purchaser to review whether any industrial property rights of third parties may be infringed upon through the submittal of quotations. Should liability nevertheless arise, Purchaser shall save and hold Supplier harmless thereof. This will not be valid with in-tention or culpable negligence of the owner or responsible employee.
3. Samples shall be supplied only against invoice.

II. DELIVERY SCOPE

1. The written order confirmation of the supplier is authoritative for the delivery scope, in case he has submitted an offer containing a binding time and an acceptance in due time, if no written order confirmation is sent in due time. Alterations and oral agreements have to be confirmed by the supplier in written form.
2. If ordering special tooling the order quantity may be reduced or exceeded by 10% but at least 2 units. The delivered quantity will be charged.

III. PRICING AND PAYMENT

1. If not specially agreed, the pricing is ex factory, excluding packing, freight and/or postage and transport insurance and value added tax.
2. The prices are charged in Euro.
3. Invoices are payable cash, without any deduction, free WTE, within 14 days from date of invoice with 2% discount, but at least with 30 days net. This is also valid for partial deliveries. Repairs and pay work are payable immediately after receipt of invoice.
4. Packing and despatch will be done to best estimation but without any obligation from our part.
5. The minimum purchase order value is € 20,- net. In case of lower order value we charge a lower quantity surcharge of € 20,-.
6. Price changes are reserved according to alterations of production costs.
7. The right to retain payments or to balance them with counterclaims is entitled to the customer only in this respect that his counterclaims are determined to be undisputed or legally valid.
8. A bill of exchange or cheque will be accepted just for payment, but fees for debit and banking will be charged to Purchaser.
9. For a return caused by the customer (e.g. wrong or double order) we have to charge you with freight costs and an administration expense of 10% of goods value, but at least € 10,-.

IV. DELIVERY TIMES

1. The delivery time shall commence upon dispatch of order confirmation, however not prior to provision of all documentation, permits, approvals etc. which are to be obtained by Purchaser, and not prior to receipt of any down payment which may have been agreed to.
2. The delivery time shall be deemed to have been maintained, if the item(s) to be delivered has left the plant, or of notification has been made that said item is ready for shipment.
3. Supplier shall not be responsible for delays or defaults in deliveries, if occasioned by decisions of public authorities, or by other causes beyond the reasonable control of Supplier or his suppliers, such as Acts of God, war, insurrection, strikes, lockouts, shortage of coal or raw materials, break downs, transportation difficulties or theft, and Supplier will be released from his liability arising from his failure to deliver within the stipulated period. Supplier will notify Purchaser immediately of such events.
4. In case the dispatch will be delayed upon request of the Purchaser, the Supplier is allowed, after having fixed an appropriate delay and the fruitless ending of the same, to dispose of the matter being delivered and supply the Purchaser with another reasonable delay.
5. Compliance with the delivery term shall presume satisfaction of Purchaser's obligations under the contract.
6. The Purchaser has no claim on compensation for delayed delivery.

V. PASSING OF RISK AND ACCEPTANCE

1. The risk shall pass to Purchaser not later than upon shipment of the item(s) to be delivered, even in cases of partial delivery if Supplier shall have assumed such additional performances as, for example, shipping costs or haulage and erection.
2. Should shipment be delayed as a result of circumstances for which Purchaser is responsible, the risk shall pass to Purchaser on the day on which notification is made that the consignment is ready for shipment; however Supplier shall be obligated, at Purchaser's request and expense, to provide such insurance coverage as may be desired by Purchaser.
3. Notwithstanding the rights set forth in section X hereof, delivered items shall be accepted by Purchaser, even in the event that they shall contain insignificant defects.
4. Partial deliveries are allowed.
5. Purchaser shall inform Supplier immediately after acceptance of goods in written form about discrepancies on delivery note or invoice.

VI. RETENTION OF TITLE AND OWNERSHIP

1. Supplier reserves the right to retain title to and ownership of the item(s) to be delivered until such time as any and all of Supplier's account receivable from Purchaser arising from the business relationship, including future accounts receivable, even those arising from contracts entered into at the same time or subsequently, have been satisfied. Supplier's retention of title and ownership shall also apply in the event that any of all of his accounts receivable have been included in a current account and the balance has been drawn upon and acknowledged.
2. Purchaser shall be entitled to resell the goods subject of Supplier's retention of title and ownership only in the course of his usual and customary business operations. Purchaser now hereby assigns to Supplier Purchaser's accounts receivable for the purchase price of for compensation for work arising from the resale of the goods subject to Supplier's retention of title and ownership in the amount of the value of Supplier's invoices therefor, until such time as Supplier's accounts receivable from Purchaser have been settled. The authorization of the Supplier to draw the claims by himself remains untouched from this, however the Supplier is committed not to draw the claims, as long as the Purchaser does not fail to fulfil his obligations of payment.

The Supplier has the right of:

- being informed by the Purchaser about the ceded claims and their debtors,
- getting all details which are necessary to draw the claims receiving all documents related to the claims.

The Purchaser has to inform the debtors about the cede. If the item(s) being delivered is sold together with other goods that are not belonging to the Supplier, the claim amount of the purchase against the buyer and corresponding to the agreed delivery price between Supplier and Purchaser is ceded.

3. Supplier hereby agrees to release the collateral to which he is entitled insofar as the value thereof shall exceed the value of the accounts receivable which are to be secured by more than 25% (twentyfive percent).
4. Supplier shall be entitled to insure the consignment on Purchaser's expense against theft, breakage, transport, fire and water damage, or against other insurable hazards, inasmuch as the Purchaser is not in the position to proof that he already has insured the goods by himself
5. The Purchaser has neither the right to put the item(s) being delivered in pawn, nor to transfer it to a third party as collateral. The Purchaser has to inform the Supplier immediately in written form about any distraint or other intervention by a third party.
6. In case the Purchaser presents a bill of exchange for payment regarding the outstanding purchasing price, the reservation of title, including the agreed special forms and other collaterals for payment of the Supplier do not become void, unless the bill of exchange has been cashed by the Purchaser.
7. The request for opening the insolvency procedure entitles the supplier to withdraw from contract and to claim the immediate return of the delivery item.

VII. LIABILITY FOR DEFECTS OF THE DELIVERY

Notwithstanding the provisions set forth in section IX hereof, Supplier shall be liable as follows for defects, which shall be deemed to include the lack of warranted characteristics, of which we have been notified within the prescribed time:

1. Any and all components which shall prove to be more than insignificantly impaired within 6 (six) months (within 3 (three) months in the case of multipleshift operation) as a result of a circumstance – in particular as a result of a defective design, poor materials or faulty workmanship – which existed prior to the passing of risk shall be repaired or replaced, as the Supplier may reasonably deem fit, free of charge. The Purchaser shall without delay notify the Supplier of any defect which appears. Any and all replaced components shall become the property of the Supplier. The Supplier shall only be liable for defects in materials supplied by Purchaser, if the defect could be discerned under proper employment. Should shipment be delayed without the fault of Supplier, the liability becomes void latest 12 months from date of passing of risk. In the case of significant thirdparty products, the liability of the Supplier shall be limited to assignment of those liability claims which the Supplier enjoys against the vendor of the thirdparty product. In the case of goods manufactured to Purchaser's drawings, the Supplier shall liable only for proper workmanship in compliance with said drawings.
2. The Purchaser's right for warranty claims is limited in any case 6 months from date of notice within the prescribed time, however at the earliest at expiration of period of warranty.
3. No warranty shall be assumed for damages, resulting from the following causes: Unsuitable or improper employment, improper erection, installation and/or commissioning by Purchaser or by third parties, natural wear and tear, improper or negligent handling, unsuitable fuels, lubricants etc., chemical, electrochemical or electrical influences, insofar as they shall not have been caused through the Supplier's fault.
4. Purchaser shall, after agreement has been reached with Supplier, provide the necessary time and opportunity to perform any and all repair and replacement work which the Supplier may reasonably deem to be necessary; otherwise the Supplier shall be released from his liability to rectify defects. Only in urgent cases or risks to the safety and dependability of operations or to prevent unreasonably great damage, of which the Supplier shall be notified immediately, if of the Supplier falls behind with the rectification of the defect, shall Purchaser be entitled to rectify the defect himself or to have the defect rectified by a third party and to demand indemnification by the Supplier for the costs arising therefrom.
5. The direct costs for repair or replacement, including fees of transport shall be borne by the Supplier - insofar the claim is justified - all other costs will be borne by the Purchaser.
6. The duration of warranty for repair or replacement is 3 (three) months, however at least until the expiry of the initial period of warranty for the part(s) being delivered.
7. The Supplier shall be released from his warranty obligation, if repairs, damages or modifications which relate to the defect as-serted shall be made by Purchaser or third parties without the Supplier's consent.
8. Further claims of the Purchaser, insofar claims for indemnification for damage other than damage to the part(s) being delivered, are excluded. This exclusion of liability is not valid in cases of gross negligence or willful intent on the part of the owner or his executive. Furthermore, the exclusion shall not be valid in cases the law of product liability for defects part(s) being delivered comes into force for injury to persons or damage to property on privately used objects. The exclusion of liability is also no valid if liability for lack of warranted characteristics is mandatory, insofar the aim of assurance was to protect the Purchaser against damage other than damage to the part(s) being delivered.

VIII. SPECIAL CONDITIONS FOR LABOUR CONTRACTS

(COMPLETION, REFURBISH, MODIFICATION OR THE REPROCESSING OF TOOLS)

Additionally or unlike to the above Conditions of Sale and Delivery the following will be applied for that kind of Labour Contract:

1. Invoices are to be paid immediately, net without any deduction.
2. The processing company shall not be liable for the behaviour of the materials supplied. This pertains in no way the right of compensation. The processing company shall not be compensated as well as the Purchaser will not be entitled to claim if the material becomes of no use due to the fault of the processing company. This exclusion of liability is not valid in cases of gross negligence or willful intent on the part of the owner or his executive.

IX. OTHER LIABILITY

Insofar as the Supplier shall be liable, regardless of the legal grounds therefor, said liability shall be limited to not more than 5% (five percent) of the value of the respective part(s) or service(s) provided. This limitation of liability is not valid in cases of gross negligence or willful intent on the part of the owner or his executive. Furthermore, the limitation shall not be valid in cases the law of product liability for defects part(s) being delivered comes into force for injury to persons or damage to property on privately used objects.

X. PLACE AND PERFORMANCE OF VENUE

1. Place of performance and payment as well as settlements of legal disputes is Annaberg-Bucholz.
2. Any and all disputes arising from the contractual relationship, incl. disputes of bill of exchange, shall be brought before the court having jurisdiction for the Supplier.

XI. CONTRACTUAL BINDINGS

1. Should any provision of Purchaser's Terms and Conditions of Sale and Supply being contradictory to these conditions, the Supplier shall consider them as without obligation, even without having particularly expressed a contradiction.
2. Should any provision of these General Terms and Conditions of Sale and Supply become void or voidable by a different provision given in offer or order confirmation, the validity of the remaining provisions thereof shall remain unaffected thereby. The laws of the Federal Republic of Germany (FRG) shall be applied.

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