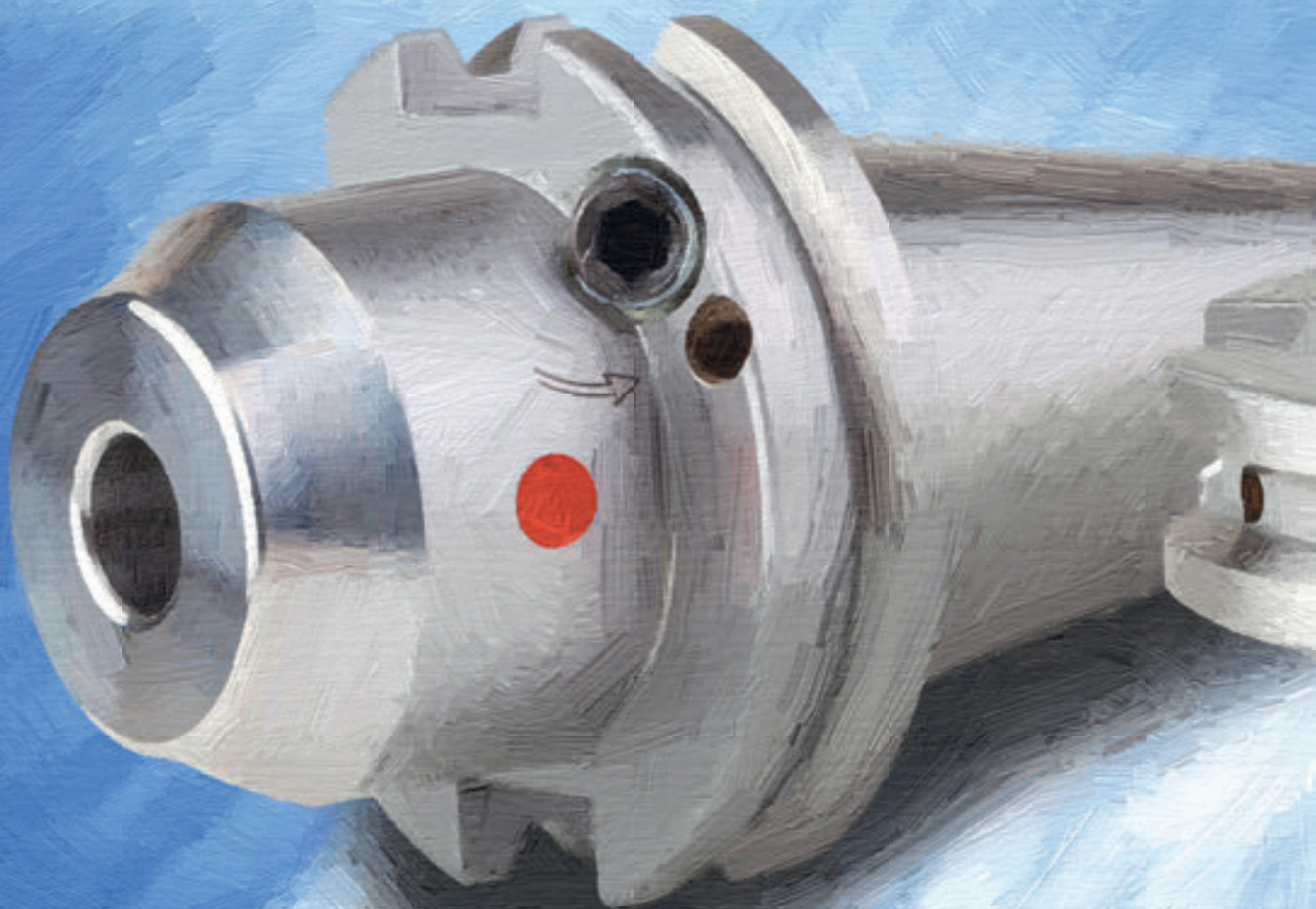




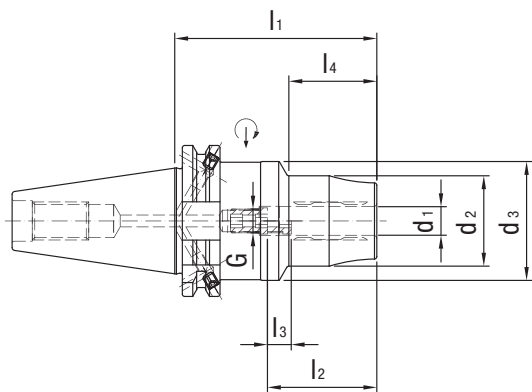
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HPH - High Performance Holder ISO 7388-1, Form AD/AF

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

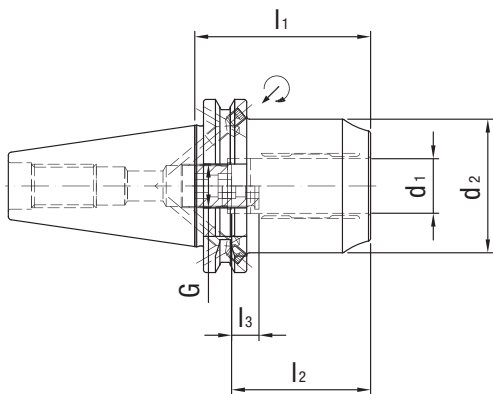


Nominal size SK/ISO	Dimensions							G	sw	Weight [kg]	Order designation	Order No.
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄					
40	6	32	50	75	37	10	26	M5x15	2.5	1.4	15.407.40.06.Z	30339747
40	8	34	50	75	37	10	27	M6x15	3	1.4	15.407.40.08.Z	30339749
40	10	36	50	80	41	10	32	M8x1x15.5	3	1.4	15.407.40.10.Z	30339750
40	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.

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

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

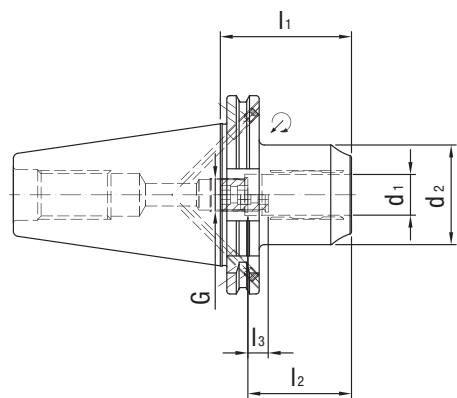


Nominal size SK/ISO	Dimensions					G	sw	Weight [kg]	Order designation	Order No.
	d ₁	d ₂	l ₁	l ₂	l ₃					
40	12	42	50	46	10	M8x1x13.5	3	1	15.408.40.12.Z	30494111
40	20	49	64.5	51	10	M16x1x13.5	8	1.4	15.408.40.20.Z	30372360

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.

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

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

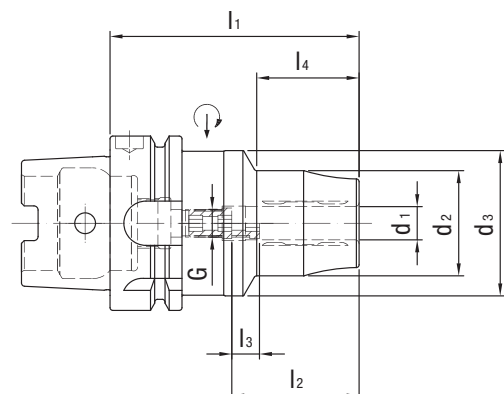


Nominal size SK/ISO	Dimensions					G	sw	Weight [kg]	Order designation	Order No.
	d ₁	d ₂	l ₁	l ₂	l ₃					
50	12	42	50	46	10	M8x1x13.5	3	2.8	15.408.50.12.Z	30515413
50	20	49	64.5	51	10	M16x1x13.5	8	3.1	15.408.50.20.Z	30435618
50	32	72	81	61	10	M16x1x13.5	8	4.1	15.408.50.32.Z	30471202

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.

HPH - High Performance Holder DIN 69893-A

Short narrow design



Nominal size HSK-A	Dimensions							G	sw	Weight [kg]	Order designation	Order No.
	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

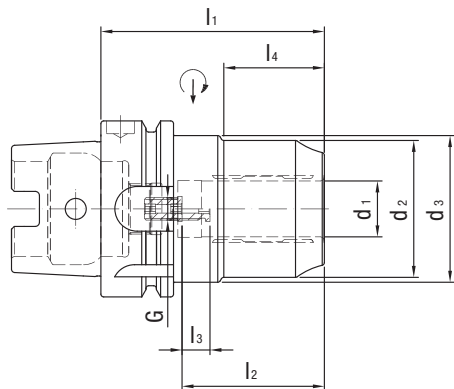
Dimensions in mm.

Spare parts and accessories at the end of this chapter.

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

HPH - High Performance Holder DIN 69893-A

Short heavy duty design

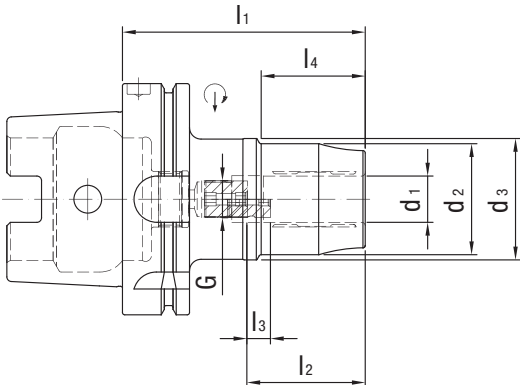


Nominal size HSK-A	Dimensions							G	sw	Weight [kg]	Order designation	Order No.
	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄					
63	12	42	52.5	80	46	10	34	M8x1	3	1.1	16.408.63.12.Z	30494132
63	20	49	52.5	80	51	10	36	M8x1	3	1.3	16.408.63.20.Z	30372363

Dimensions in mm.
Spare parts and accessories at the end of this chapter.
MQL-capable design possible on request. Custom designs available on request.

HPH - High Performance Holder DIN 69893-A

Short narrow design

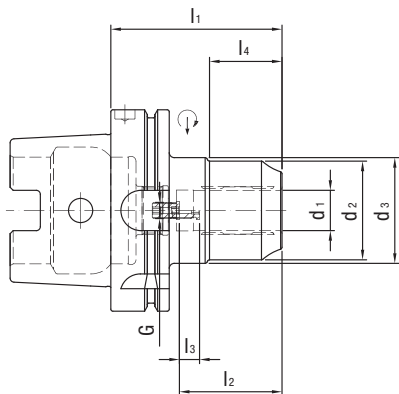


Nominal size HSK-A	Dimensions							G	sw	Weight [kg]	Order designation	Order No.
	d_1	d_2	d_3	l_1	l_2	l_3	l_4					
100	6	32	50	85	37	10	26	M5x15	2.5	2.8	16.407.100.06.Z	30469210
100	8	34	50	85	37	10	27	M6x15	3	2.8	16.407.100.08.Z	30469216
100	10	36	50	90	41	10	32	M8x1x15.5	3	2.9	16.407.100.10.Z	30469218
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.

HPH - High Performance Holder DIN 69893-A

Short heavy duty design

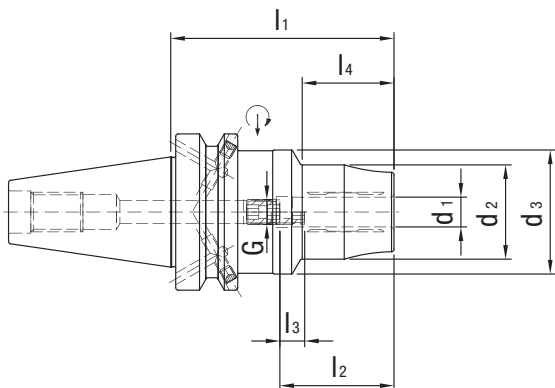


Nominal size HSK-A	Dimensions							G	sw	Weight [kg]	Order designation	Order No.
	d_1	d_2	d_3	l_1	l_2	l_3	l_4					
100	12	42	52.5	85	46	10	34	M8x1	3	2.1	16.408.100.12.Z	30515435
100	20	49	52.5	85	51	10	36	M8x1	3	2.6	16.408.100.20.Z	30436113
100	32	68	72	100	61	10	42	M8x1	3	3.8	16.408.100.32.Z	30471219

Dimensions in mm.
Spare parts and accessories at the end of this chapter.
MQL-capable design possible on request. Custom designs available on request.

HPH - High Performance Holder ISO 7388-2 (JIS B6339)

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.
	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.

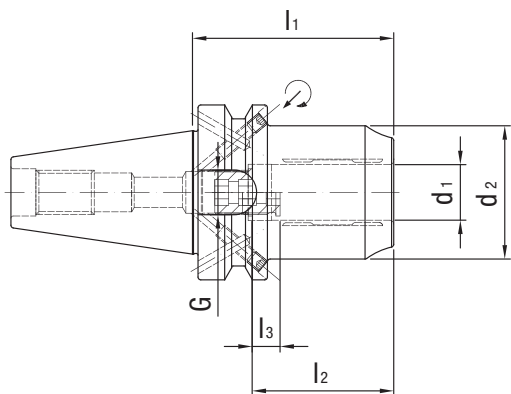
Basic form JD. Please indicate form JF (prev. B) in your order.

Spare parts and accessories at the end of this chapter.

Version with face connection on request. Custom designs available on request.

HPH - High Performance Holder ISO 7388-2 (JIS B6339)

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

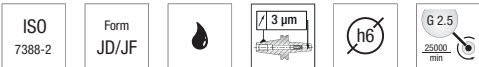
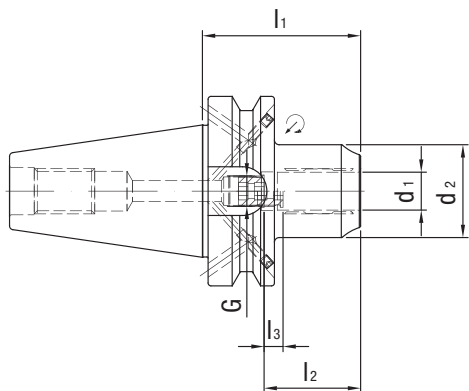


Nominal size BT	Dimensions					G	sw	Weight [kg]	Order designation	Order No.
	d ₁	d ₂	l ₁	l ₂	l ₃					
40	12	42	58	46	10	M8x1x13.5	3	1.1	22.408.40.12.Z	30494128
40	20	49	72.5	51	10	M16x1x13.5	8	1.4	22.408.40.20.Z	30372364

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.
Version with face connection on request. Custom designs available on request.

HPH - High Performance Holder ISO 7388-2 (JIS B6339)

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

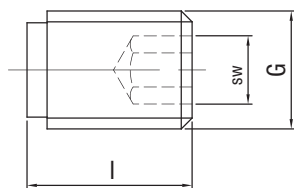


Nominal size BT	Dimensions					G	sw	Weight [kg]	Order designation	Order No.
	d_1	d_2	l_1	l_2	l_3					
50	12	42	69	46	10	M8x1x13.5	3	3.4	22.408.50.12.Z	30515438
50	20	49	83.5	51	10	M16x1x13.5	8	4	22.408.50.20.Z	30435871
50	32	72	90	61	10	M16x1x13.5	8	4.6	22.408.50.32.Z	30471206

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.
Version with face connection on request. Custom designs available 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



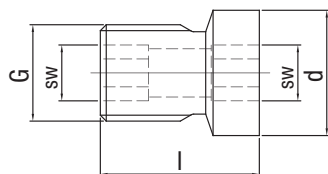
Order designation	Order No.	G	sw	l	Weight [kg]
89.122.288	10003470	M10	5	10	0.006
89.122.287	10070217	M10	5	14	0.009

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]
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]
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

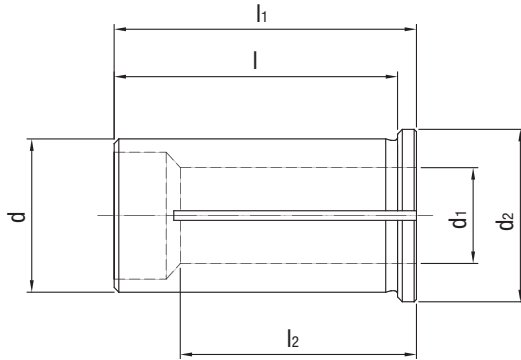
Order designation	Order No.	G	sw	For clamping diameter
89.122.23	30252541	M8x1	3	20 (HSK)
89.122.91	30252547	M16x1	8	20 (ISO/BT)

Dimensions in mm.

Custom designs available on request.

Reducing Sleeve, coolant sealed

With slits, for flexible diameter application

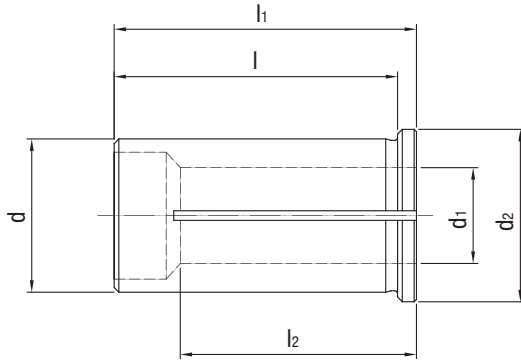


Dimensions							Order designation	Order No.
d	d ₁	d ₂	l	l ₁	l ₂	Weight [kg]		
12	1	16	40	44	20	0.04	40.456.12.01.Z	30503691
12	1.5	16	40	44	20	0.04	40.456.12.015.Z	30503718
12	2	16	40	44	20	0.04	40.456.12.02.Z	30503725
12	2.5	16	40	44	20	0.04	40.456.12.025.Z	30503728
12	3	16	40	44	29	0.03	40.456.12.03.Z	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



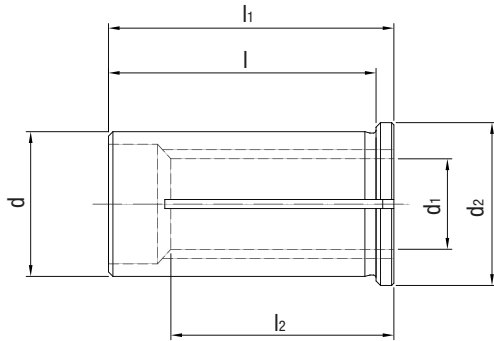
Dimensions							Order designation	Order No.
d	d ₁	d ₂	l	l ₁	l ₂	Weight [kg]		
25	3	30	56	60	29	0.18	40.456.25.03.Z	30251081
25	4	30	56	60	29	0.18	40.456.25.04.Z	30251082
25	5	30	56	60	29	0.18	40.456.25.05.Z	30251083
25	6	30	56	60	37	0.18	40.456.25.06.Z	30251084
25	7	30	56	60	37	0.18	40.456.25.07.Z	30251085
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.

Reducing Sleeve, KKB

With coolant bores, for flexible diameter application



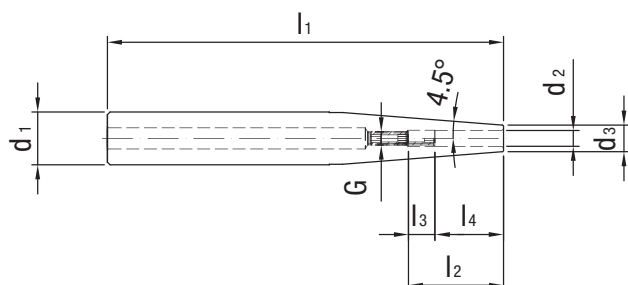
Dimensions							Order designation	Order No.
d	d ₁	d ₂	l	l ₁	l ₂	Weight [kg]		
12	3	16	40	44	29	0.03	40.456.12.03.KKB	30557343
12	4	16	40	44	29	0.03	40.456.12.04.KKB	30557344
12	5	16	40	44	29	0.03	40.456.12.05.KKB	30557345
12	6	16	40	44	36	0.03	40.456.12.06.KKB	30557346
12	8	16	40	44	37	0.02	40.456.12.08.KKB	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, length adjustment screw (from $\varnothing 6\text{mm}$)

Tool length as per customer request possible

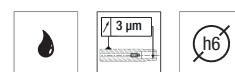
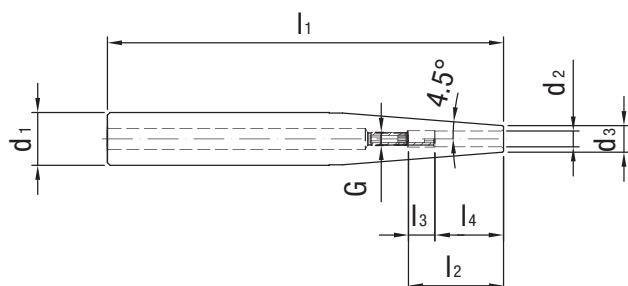


Dimensions							G	sw	Weight [kg]	Order designation	Order No.
d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄					
12	3	8	150	-	-	12	-	0.1	-	40.357.12.03.Z	30344729
12	4	8	150	-	-	16	-	0.1	-	40.357.12.04.Z	30344730
12	5	10	150	-	-	20	-	0.1	-	40.357.12.05.Z	30344731
12	6	10	150	36	10	26	M5	2.5	0.1	40.357.12.06.Z	30344732
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, length adjustment screw (from $\varnothing 6\text{mm}$)

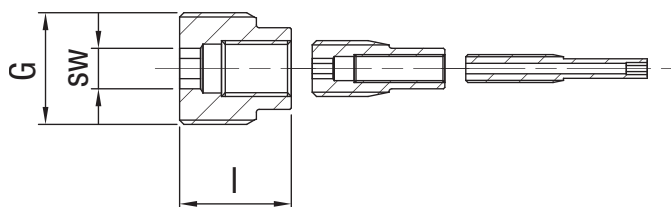
Tool length as per customer request possible



Dimensions							G	sw	Weight [kg]	Order designation	Order No.
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

AAS Stop Screw

With the use of WTE Reducing Sleeves for axial length adjustment



Stop Screw AAS 12 for order designation 40.456.12.xx

Dimensions				Order designation	Order No.
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

Stop Screw AAS 20 for order designation 40.456.20.xx

Dimensions				Order designation	Order No.
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

Stop Screw AAS 25 for order designation 40.456.25.xx

Dimensions				Order designation	Order No.
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

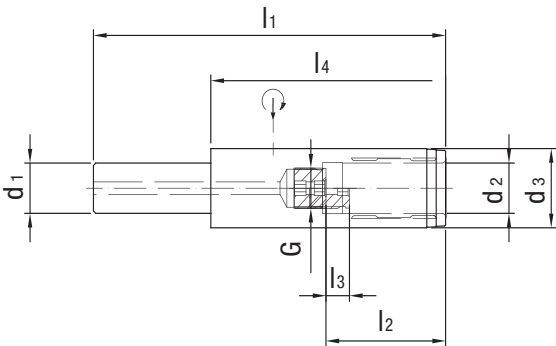
Stop Screw AAS 32 for order designation 40.456.32.xx

Dimensions				Order designation	Order No.
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.

Hydraulic Expansion Extension

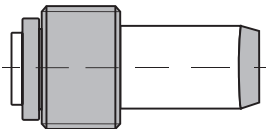
As flexible adaptation



Dimensions							G	sw	Weight [kg]	Order designation	Order No.
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

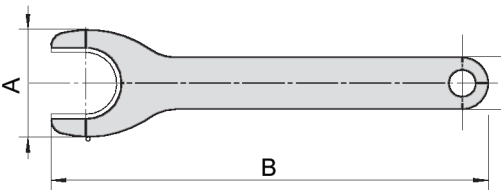
For DIN 69893-A/E



HSK	Weight [kg]	Order designation	Order No.
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

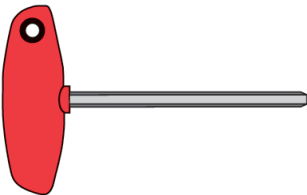
For easy extraction of the Reducing Sleeves from the WTE Hydraulic Chuck



For	A	B	Order designation	Order No.
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

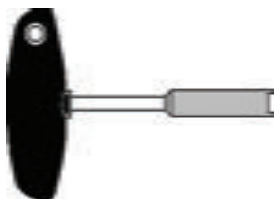
For axial length adjustment



sw	l	Weight [kg]	Order designation	Order No.
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

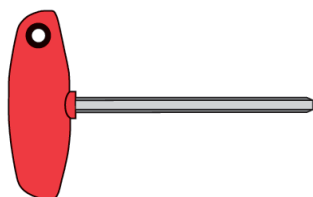
For Coolant Transfer Pipe



SW	Weight [kg]	Order designation	Order No.
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.
5	100	0.06	89.206.15	10006236