



HYDRAULIC ZERO-REACH ARBORS

Zero-reach arbors with hydraulic chuck and matching POKOLM accessories



 **pokolm**
PREMIUMTOOLS. WE KNOW HOW.

HYDRAULIC ARBORS AND ADAPTERS: OUTSTANDING TOOL LIVES, BEST SURFACES, MAXIMUM CONCENTRICITY

Arbors and adapters with hydraulic chucks stand out by optimum concentricity, continuous action of the cutting edge and excellent vibration-damping properties.

All these features provide an optimum surface of the workpiece and outstanding tool lives.

Moreover, the hydraulic clamping system reduces micro-chipping on the cutting edge, thus saving costs. In addition, the system provides continuous clamping forces even at high speeds, thus ensuring optimum process reliability over all speed ranges.

Exact repeat accuracy is ensured by the axial longitudinal adjustment.

All variants are designed for minimum quantity lubrication (MQL).

The hydraulic clamping system allows bars and tools to be clamped without any additional devices, thus providing minimum possible setup times even with zero-reach arbors.

A flexible clamping range from 3 to 32 mm is provided thanks to the use of reduction sleeves.

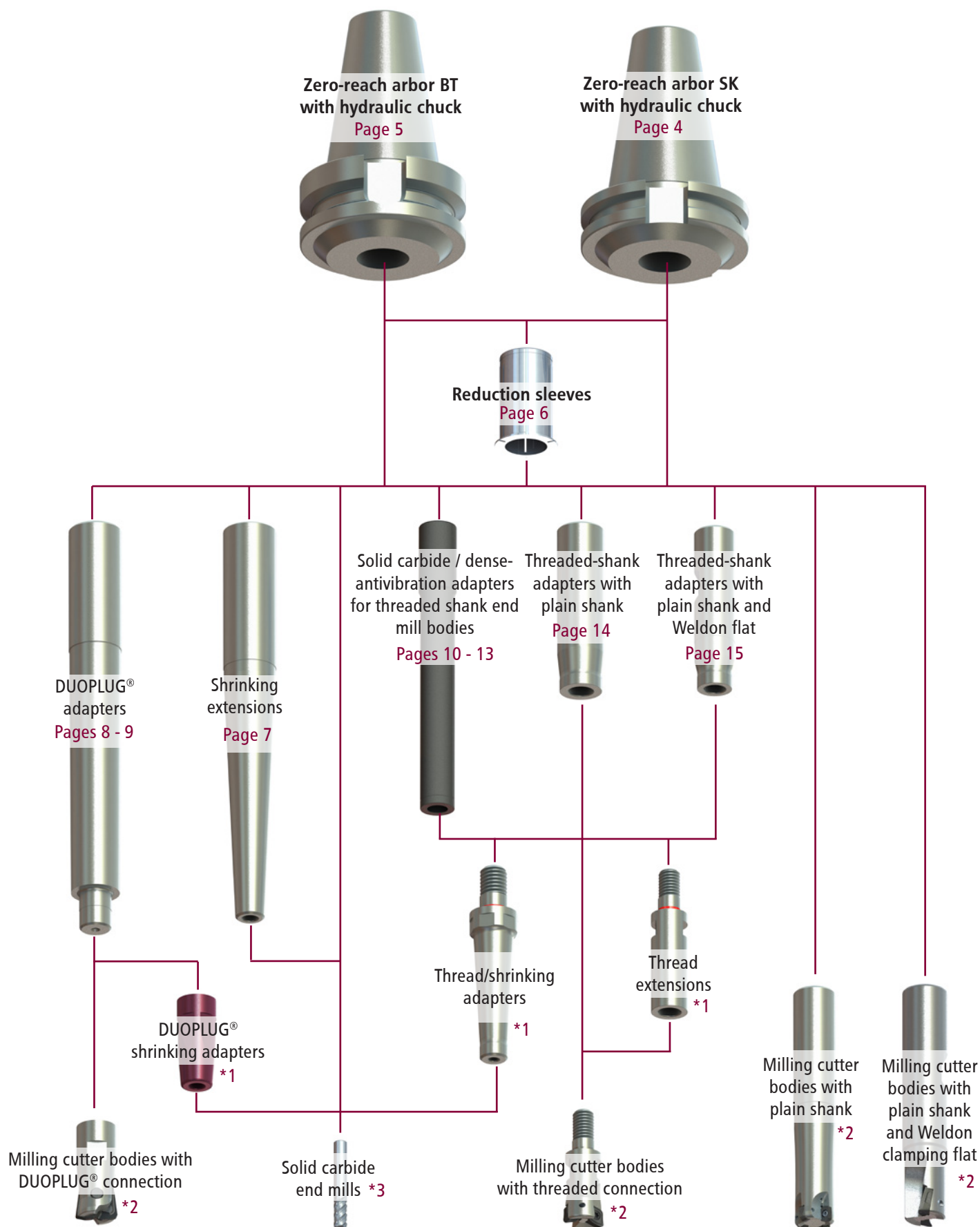
The maintenance of the hydraulic system is easy and can be done by the user himself.

Everything from a single source - the hydraulic arbors and adapters and the comprehensive POKOLM range of accessories are optimally matched to each other.

Hydraulic chucks - All features at a glance

- ⊕ Maximum concentricity
- ⊕ Vibration-damping effect
- ⊕ High radial rigidity
- ⊕ Clamping without additional devices
- ⊕ Extremely fast setup times
- ⊕ Flexible clamping range from 3 to 32 mm thanks to the use of reduction sleeves
- ⊕ Continuous clamping force even at high speeds
- ⊕ Optimum process reliability
- ⊕ Maximum tool life
- ⊕ MQL capable
- ⊕ Ease of maintenance
- ⊕ Optimally matched range of accessories
- ⊕ Possibility of direct clamping of
 - Plain shanks in accordance with DIN6535HA,
 - Shanks with Weldon clamping flats according DIN6535HB,
 - Shanks with WhistleNotch toolholder according DIN6535HE (only with reduction sleeve)

VARIOUS POSSIBILITIES OF COMBINATIONS WITH ACCESSORIES FROM THE POKOLM RANGE OF PRODUCTS



*1) Catalogue "Arbors and adapter systems"

*2) Catalogue "Milling cutter bodies"

*3) Catalogue "Solid carbide end mills"



SK 40 | SK 50 - DIN 69 871 AD

Hydraulic chuck | Zero reach arbor

- Taper shank acc. to DIN 69871 AD or ISO 7388-1 AD
- Permitted up to max. 25,000 rpm
- MQL capable, independent of the direction of rotation
- Suited for direct clamping of all shanks that comply with DIN 6535

Hydraulic chuck | Zero reach arbor

Catalogue no.

d₁

l₃

A

d₃

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d₂

Form/DIN

l₂

l₁

Accessories

Features

SK 40 | for Ø 20

00 20 750 HDF

20

5.4

24.5

34

48

SK 40

DIN 69871
AD

-

-

A, C



SK 50 | for Ø 32

15 32 710 HDF

32

11.4

30.5

44.5

70.5

SK 50

DIN 69871
AD

-

-

B, D



Accessories



A
KBSK40-69872A
retention knob with
through hole



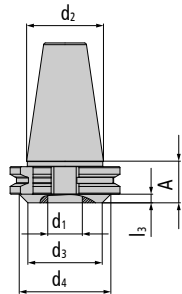
B
KBSK50-69872A
retention knob with
through hole



C
KBSK40-69872B
retention knob without
through hole



D
KBSK50-69872B
retention knob without
through hole

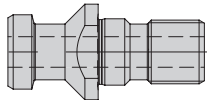


Accessories

Catalogue no.

Description

Retention knobs with through hole



KBSK40-69872A

retention knob with through hole SK 40 | DIN 69 872 A |
with sealing ring groove

SK 40

DIN 69
872 A

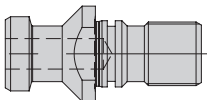
KBSK50-69872A

retention knob with through hole SK 50 | DIN 69 872 A |
with sealing ring groove | with O ring

SK 50

DIN 69
872 A

Retention knobs without through hole



KBSK40-69872B

retention knob without through hole SK 40 | DIN 69 872 B |
with sealing ring groove

SK 40

DIN 69
872 B

KBSK50-69872B

retention knob without through hole SK 50 | DIN 69 872 B |
with sealing ring groove

SK 50

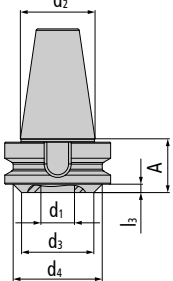
DIN 69
872 B

BT 40 | BT 50 - JIS B 6339 AD

Hydraulic chuck | Zero reach arbor

- Taper shank, form BT / JIS B 6339 AD
- Permitted up to max. 25,000 rpm
- MQL capable, independent of the direction of rotation
- Suited for direct clamping of all shanks that comply with DIN 6535



Hydraulic chuck Zero reach arbor		Catalogue no.							Form/DIN			Accessories		Features			
		d ₁	l ₃	A	d ₃	d ₄	d ₂				l ₂	l ₁					
		BT 40 for Ø 20															
		00 20 754 HDF	diam. 20	5.5	32.5	34	48	BT 40	JIS B 6339 AD	-	-						
		BT 50 for Ø 32															
		15 32 714 HDF	32	11.4	49.4	44.5	70.5	BT 50	JIS B 6339 AD	-	-						



REDUCTION SLEEVES FOR HYDRAULIC CHUCK

D20 for diam. 3 - 16 mm | D32 for diam. 6 - 25 mm

Precision reduction sleeve

- Coolant-sealed
- Slit, for different diameters
- Suited for the clamping of all shanks complying with DIN6535
- Repetition accuracy 6 µm

Collets in other sizes and variants on request.

D20 for diam. 3 - 16 mm
D32 for diam. 6 - 25 mm

Catalogue no.

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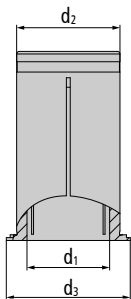
Form/DIN

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Accessories

Features



D20

HDF20-03-IC	diam. 3	4	-	25	-	20	-	-	-		✓  (HSM)
HDF20-04-IC	diam. 4	4	-	25	-	20	-	-	-		✓  (HSM)
HDF20-05-IC	diam. 5	4	-	25	-	20	-	-	-		✓  (HSM)
HDF20-06-IC	diam. 6	4	-	25	-	20	-	-	-		✓  (HSM)
HDF20-08-IC	diam. 8	4	-	25	-	20	-	-	-		✓  (HSM)
HDF20-10-IC	diam. 10	4	-	25	-	20	-	-	-		✓  (HSM)
HDF20-12-IC	diam. 12	4	-	25	-	20	-	-	-		✓  (HSM)
HDF20-14-IC	diam. 14	4	-	25	-	20	-	-	-		✓  (HSM)
HDF20-16-IC	diam. 16	4	-	25	-	20	-	-	-		✓  (HSM)

D32

HDF32-06-IC	diam. 6	4	-	36	-	32	-	-	-		✓  (HSM)
HDF32-08-IC	diam. 8	4	-	36	-	32	-	-	-		✓  (HSM)
HDF32-10-IC	diam. 10	4	-	36	-	32	-	-	-		✓  (HSM)
HDF32-12-IC	diam. 12	4	-	36	-	32	-	-	-		✓  (HSM)
HDF32-14-IC	diam. 14	4	-	36	-	32	-	-	-		✓  (HSM)
HDF32-16-IC	diam. 16	4	-	36	-	32	-	-	-		✓  (HSM)
HDF32-18-IC	diam. 18	4	-	36	-	32	-	-	-		✓  (HSM)
HDF32-20-IC	diam. 20	4	-	36	-	32	-	-	-		✓  (HSM)
HDF32-25-IC	diam. 25	4	-	36	-	32	-	-	-		✓  (HSM)

POKOLM PLAIN SHANK SHRINKING ADAPTORS

diam. 3 - 12 mm

Pokolm plain shank shrinking adaptors are suitable for fast and economic reach of deep cavities.

Shanks are produced in h5 tolerance and provide an exceptional high degree of rigidity during processing.



diam. 3 - 12 mm

Catalogue no.

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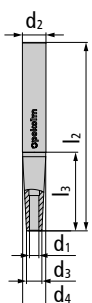
Form/DIN

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Accessories

Features



diam. 3 mm

112 03 604 S.01	diam. 3	66.8	-	9	16	diam. 16	-	160	-		☒
115 03 604 S.01	diam. 3	28.6	-	9	12	diam. 12	-	160	-		☒

diam. 4 mm

112 04 604 S.01	diam. 4	66.8	-	10.5	16	diam. 16	-	160	-		☒
115 04 604 S.01	diam. 4	14.31	-	10.5	12	diam. 12	-	160	-		☒

diam. 6 mm

112 06 604 S	diam. 6	47.7	-	11	16	diam. 16	-	160	-		☒
115 06 604 S	diam. 6	11.45	-	11	12	diam. 12	-	160	-		☒

diam. 8 mm

112 08 604 S	diam. 8	28.6	-	13	16	diam. 16	-	160	-		☒
110 08 604 S	diam. 8	66.8	-	13	20	diam. 20	-	160	-		☒

diam. 10 mm

110 10 604 S	diam. 10	47.7	-	15	20	diam. 20	-	160	-		☒
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diam. 12 mm

104 12 604 S	diam. 12	76.3	-	17	25	diam. 25	-	160	-		☒
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POKOLM DUOPLUG®

M 7 - M 16

The solid carbide adapters which are part of the POKOLM DuoPlug®-System are especially suited for HSC and provide absolutely backlash-free fitting and extreme precision combined with the retention force required for roughing applications.

1/2 ▶

M 7 - M 16

Catalogue no.

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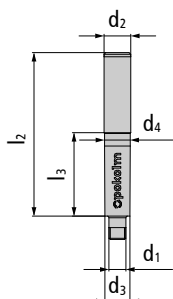
Form/DIN

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Accessories

Features



M 7

20 07 603	M 7	20	-	10.8	11.4	diam. 12	-	68	-		✓	☺	☺	☺	HSM
40 07 603	M 7	40	-	10.8	11.4	diam. 12	-	88	-		✓	☺	☺	☺	HSM
60 07 603/12	M 7	60	-	10.8	11.4	diam. 12	-	108	-		✓	☺	☺	☺	HSM
80 07 603/12	M 7	80	-	10.8	11.4	diam. 12	-	128	-		✓	☺	☺	☺	HSM

M 10

25 10 603	M 10	25	-	15	15.9	diam. 16	-	73	-		✓	☺	☺	☺	HSM
50 10 603	M 10	50	-	15	15.9	diam. 16	-	98	-		✓	☺	☺	☺	HSM
75 10 603	M 10	75	-	15	15.9	diam. 16	-	123	-		✓	☺	☺	☺	HSM
100 10 603	M 10	100	-	15	15.9	diam. 16	-	148	-		✓	☺	☺	☺	HSM
125 10 603	M 10	125	-	15	15.9	diam. 16	-	173	-		✓	☺	☺	☺	HSM
150 10 603	M 10	150	-	15	15.9	diam. 16	-	200	-		✓	☺	☺	☺	HSM

M 12

25 12 603	M 12	25	-	18.5	19.9	diam. 20	-	75	-		✓	☺	☺	☺	HSM
50 12 603	M 12	50	-	18.5	19.9	diam. 20	-	100	-		✓	☺	☺	☺	HSM
75 12 603	M 12	75	-	18.5	19.9	diam. 20	-	125	-		✓	☺	☺	☺	HSM
100 12 603	M 12	100	-	18.5	19.9	diam. 20	-	150	-		✓	☺	☺	☺	HSM
125 12 603	M 12	125	-	18.5	19.9	diam. 20	-	175	-		✓	☺	☺	☺	HSM
150 12 603	M 12	150	-	18.5	19.9	diam. 20	-	200	-		✓	☺	☺	☺	HSM
175 12 603	M 12	175	-	18.5	19.9	diam. 20	-	225	-		✓	☺	☺	☺	HSM

M 7 - M 16

Catalogue no.

 d_1 l_3

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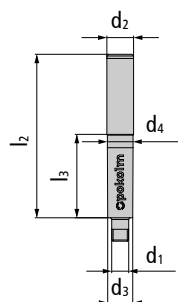
 d_3 d_4 d_2

Form/DIN

 l_2 l_1

Accessories

Features



M 16

25 16 603	M 16	25	-	23.4	24.9	diam. 25	-	81	-		
50 16 603	M 16	50	-	23.4	24.9	diam. 25	-	106	-		
75 16 603	M 16	75	-	23.4	24.9	diam. 25	-	131	-		
100 16 603	M 16	100	-	23.4	24.4	diam. 25	-	156	-		
125 16 603	M 16	125	-	23.4	24.9	diam. 25	-	181	-		
150 16 603	M 16	150	-	23.4	24.9	diam. 25	-	206	-		
175 16 603	M 16	175	-	23.4	24.9	diam. 25	-	231	-		
200 16 603	M 16	200	-	23.4	24.9	diam. 25	-	256	-		



SOLID CARBIDE ADAPTERS - FOR SCREW-ON END MILLS

M 6 - M 16

POKOLM solid carbide adapters for screw-on end mills are well suited for HSC and with extreme precision provide the retention force required for roughening applications. All adapters have an internal coolant supply as standard.

1/2 ▶

M 6 - M 16

Catalogue no.

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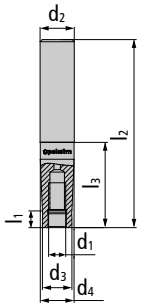
Form/DIN

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Accessories

Features



M 6

20 06 606/10 ZYL	M 6	20	-	9.5	9.5	diam. 10	-	60	-		✓
20 06 606/12 ZYL	M 6	20	-	11.5	11.5	diam. 12	-	65	-		✓
40 06 606/10 ZYL	M 6	40	-	9.5	9.5	diam. 10	-	80	-		✓
40 06 606/12 ZYL	M 6	40	-	11.5	11.5	diam. 12	-	85	-		✓
60 06 606/10 ZYL	M 6	60	-	9.5	9.5	diam. 10	-	100	-		✓
60 06 606/12 ZYL	M 6	60	-	11.5	11.5	diam. 12	-	105	-		✓
80 06 606/10 ZYL	M 6	80	-	9.5	9.5	diam. 10	-	120	-		✓
80 06 606/12 ZYL	M 6	80	-	11.5	11.5	diam. 12	-	125	-		✓
100 06 606/12 ZYL	M 6	100	-	11.5	11.5	diam. 12	-	145	-		✓

M 8

40 08 606	M 8	40	-	14.2	15.3	diam. 16	-	88	9		✓
60 08 606	M 8	60	-	14.2	15.3	diam. 16	-	108	9		✓
80 08 606	M 8	80	-	14.2	15.3	diam. 16	-	128	9		✓
100 08 606	M 8	100	-	14.2	15.3	diam. 16	-	148	9		✓
120 08 606	M 8	120	-	14.2	15.3	diam. 16	-	168	9		✓

M 10

60 10 606	M 10	60	-	18.5	19.3	diam. 20	-	110	9		✓
80 10 606	M 10	80	-	18.5	19.3	diam. 20	-	130	9		✓
100 10 606	M 10	100	-	18.5	19.3	diam. 20	-	150	9		✓
120 10 606	M 10	120	-	18.5	19.3	diam. 20	-	170	9		✓
140 10 606	M 10	140	-	18.5	19.3	diam. 20	-	190	9		✓

M 6 - M 16

Catalogue no.

 d_1 l_3

A

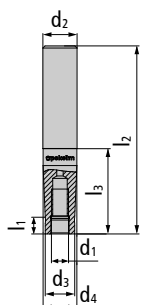
 d_3 d_4 d_2

Form/DIN

 l_2 l_1

Accessories

Features



M 12

80 12 606	M 12	80	-	23	24.3	diam. 25	-	136	9		
100 12 606	M 12	100	-	23	24.3	diam. 25	-	156	9		
120 12 606	M 12	120	-	23	24.3	diam. 25	-	176	9		
140 12 606	M 12	140	-	23	24.3	diam. 25	-	196	9		
160 12 606	M 12	160	-	23	24.3	diam. 25	-	216	9		

M 16

100 16 606/32	M 16	100	-	29	31.5	diam. 32	-	160	9		
150 16 606/32	M 16	150	-	29	31.5	diam. 32	-	210	9		
200 16 606/32	M 16	200	-	29	31.5	diam. 32	-	260	9		
250 16 606/32	M 16	250	-	29	31.5	diam. 32	-	310	9		
300 16 606/32	M 16	300	-	29	31.5	diam. 32	-	360	9		



DENSE ANTIVIBRATION ADAPTERS- FOR SCREW-ON END MILLS

M 8 - M 16

POKOLM solid carbide adapters for screw-on end mills are characterised by their outstanding precision. These adapters are excellent for HSC finishing processes thanks to their vibration-reducing characteristics. Adapters are also available with an internal coolant supply upon request.

1/2 ▶

M 8 - M 16

Catalogue no.

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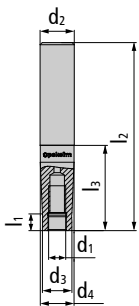
Form/DIN

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Accessories

Features



M 8

40 08 601	M 8	40	-	14.2	15.3	diam. 16	-	88	9		✓
60 08 601	M 8	60	-	14.2	15.3	diam. 16	-	108	9		✓
80 08 601	M 8	80	-	14.2	15.3	diam. 16	-	128	9		✓
100 08 601	M 8	100	-	14.2	15.3	diam. 16	-	148	9		✓
120 08 601	M 8	120	-	14.2	15.3	diam. 16	-	168	9		✓
150 08 601	M 8	150	-	14.2	15.3	diam. 16	-	198	9		✓

M 10

60 10 601	M 10	60	-	18.5	19.3	diam. 20	-	110	9		✓
80 10 601	M 10	80	-	18.5	19.3	diam. 20	-	130	9		✓
100 10 601	M 10	100	-	18.5	19.3	diam. 20	-	150	9		✓
120 10 601	M 10	120	-	18.5	19.3	diam. 20	-	170	9		✓
140 10 601	M 10	140	-	18.5	19.3	diam. 20	-	190	9		✓

M 12

50 12 601	M 12	50	-	23	24.3	diam. 25	-	106	9		✓
75 12 601	M 12	75	-	23	24.3	diam. 25	-	131	9		✓
100 12 601	M 12	100	-	23	24.3	diam. 25	-	156	9		✓
125 12 601	M 12	125	-	23	24.3	diam. 25	-	181	9		✓
150 12 601	M 12	150	-	23	24.3	diam. 25	-	206	9		✓
175 12 601	M 12	175	-	23	24.3	diam. 25	-	231	9		✓

M 8 - M 16

Catalogue no.

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A

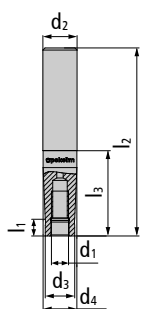
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Form/DIN

 l_2 l_1

Accessories

Features



M 16

100 16 601/32	M 16	100	-	29	31.5	diam. 32	-	160	9		☒
150 16 601/32	M 16	150	-	29	31.5	diam. 32	-	210	9		☒
200 16 601/32	M 16	200	-	29	31.5	diam. 32	-	260	9		☒
250 16 601/32	M 16	250	-	29	31.5	diam. 32	-	310	9		☒
300 16 601/32	M 16	300	-	29	31.5	diam. 32	-	360	9		☒



THREADED SHANK ADAPTERS WITH CYLINDRICAL SHAFT - DIN6535HA

M 6 - M 16

Threaded adapters with a cylindrical shaft according to DIN6535HA.
For use in collet chuck arbors or also hydraulic expansion chucks.
Manufactured according to the POKOLM standard with smoothed plane and mating surfaces and an internal coolant supply option.

M 6 - M 16

Catalogue no.

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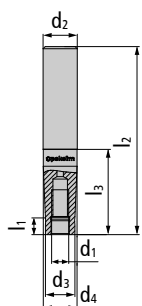
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Accessories

Features



M 6

20 06 600/10 G	M 6	20	-	9.5	9.5	diam. 10	-	65	7.8		✓
20 06 600/12 G	M 6	20	-	11.5	11.5	diam. 12	-	65	7.8		✓
40 06 600/10 G	M 6	40	-	9.5	9.5	diam. 10	-	85	7.8		✓
40 06 600/12 G	M 6	40	-	11.5	11.5	diam. 12	-	85	7.8		✓

M 8

20 16 600 G	M 8	20	-	13.8	15.8	diam. 16	-	68	7.8		✓
40 16 600 G	M 8	40	-	13.8	15.8	diam. 16	-	88	7.8		✓

M 10

25 20 600 G	M 10	25	-	18	19.8	diam. 20	-	75	7.8		✓
45 20 600 G	M 10	45	-	18	19.8	diam. 20	-	95	7.8		✓

M 12

30 25 600 G	M 12	30	-	21	24.9	diam. 25	-	86	7.8		✓
50 25 600 G	M 12	50	-	21	24.8	diam. 25	-	106	7.8		✓

M 16

50 32 600 G	M 16	50	-	29	31.8	diam. 32	-	110	7.8		✓
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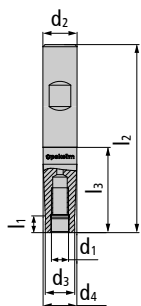
THREADED SHANK ADAPTERS WITH CYLINDRICAL SHAFT - DIN6535HB

M 6 - M 16

Threaded shank adapter with a cylindrical shaft and an additional Weldon collet surface according to DIN6535HB. For use in Weldon arbors.
Manufactured according to the POKOLM standard with smoothed plane and mating surfaces and an internal coolant supply option.



M 6 - M 16												
Catalogue no.			d ₁	l ₃	A	d ₃	d ₄	d ₂	Form/DIN	l ₂	l ₁	Accessories Features
M 6												
20 06 600/10	M 6	20	-	9.5	9.5	diam. 10	-	65	7.8			✓ [] []
20 06 600/12	M 6	20	-	11.5	11.5	diam. 12	-	65	7.8			✓ [] []
40 06 600/10	M 6	40	-	9.5	9.5	diam. 10	-	85	7.8			✓ [] []
40 06 600/12	M 6	40	-	11.5	11.5	diam. 12	-	85	7.8			✓ [] []
M 8												
20 16 600	M 8	20	-	13.8	15.8	diam. 16	-	68	7.8			✓ [] []
40 16 600	M 8	40	-	13.8	15.8	diam. 16	-	88	7.8			✓ [] []
M 10												
25 20 600	M 10	25	-	18	19.8	diam. 20	-	75	7.8			✓ [] []
45 20 600	M 10	45	-	18	19.8	diam. 20	-	95	7.8			✓ [] []
M 12												
30 25 600	M 12	30	-	21	24.9	diam. 25	-	86	7.8			✓ [] []
50 25 600	M 12	50	-	21	24.9	diam. 25	-	106	7.8			✓ [] []
M 16												
50 32 600	M 16	50	-	29	31.8	diam. 32	-	110	7.8			✓ [] []





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