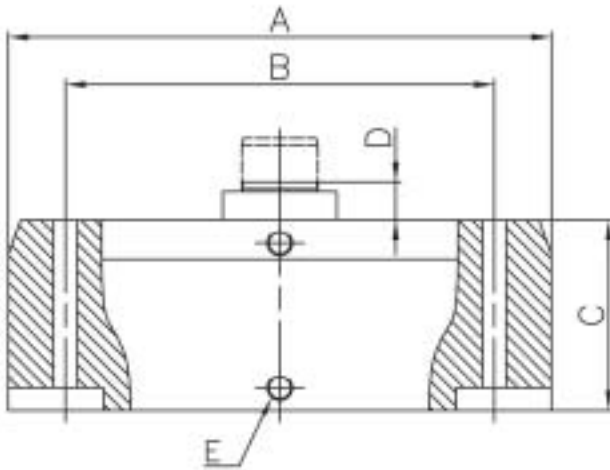


Compact Cylinder

Product Facts:

Diameter of piston: to 320 mm (further on request)
 Stroke: 5 - 90 mm
 Function: single or double acting
 max operating pressure: 6 Bar
 Others on request

	Piston diameter	Diameter of piston rod	Stroke	single/ double acting
KPZ -	250 -		50	E
	200 = Ø 200	Ø 40	5 - 90	E = single / D = double
	250 = Ø 250	Ø 40	5 - 90	E = single / D = double
	300 = Ø 300	Ø 40	5 - 90	E = single / D = double
	350 = Ø 350	Ø 40	5 - 90	E = single / D = double



Dimensions:

Ø	A	B	C	D	E
200	215		stroke + 77	20	G1/4
250	265		stroke + 77	20	G1/4
270	285		stroke + 77	20	G1/4
320	335		stroke + 77	20	G1/4

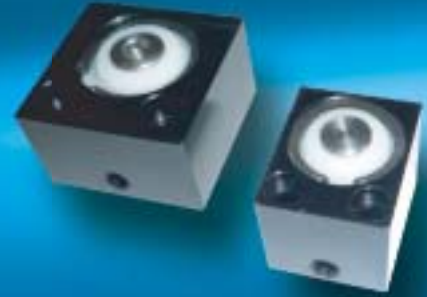
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Short stroke cylinder

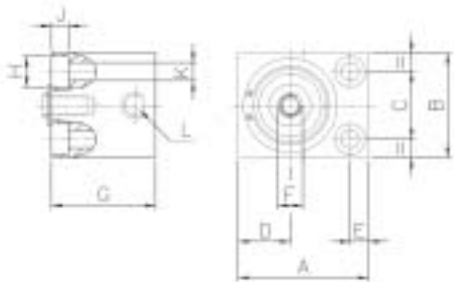
Product facts:

Diameter of piston: 12, 16, 20, 32, 50 mm
 Stroke: 0,5 - 10 mm (further on request)
 Function: single acting (double acting on request)
 max. operating pressure: 1 - 8 Bar
 Others on request

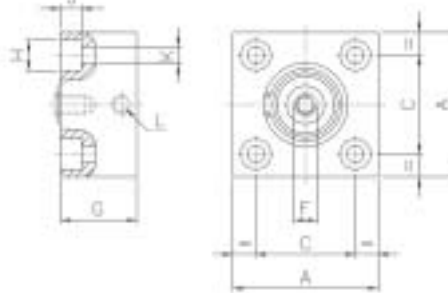
	Connecting part	Diameter of piston	Diameter of piston rod	Stroke
KHZ -	A -	20 -		3
	A = male thread	12 = Ø 12	Ø 6	0,5 - 4
	B = female thread	16 = Ø 16	Ø 8	0,5 - 4
	C = stud	20 = Ø 20	Ø 10	0,5 - 4
		32 = Ø 32	Ø 12	0,5 - 5
		50 = Ø 50	Ø 12	0,5 - 10

Dimensions:

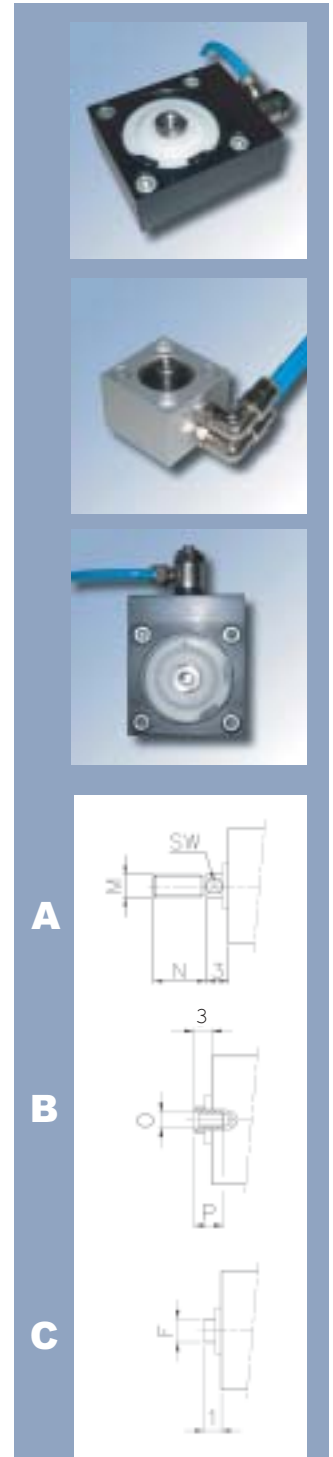
Ø 12-25



Ø 32-50



Ø	A	B	C	D	E	F	G	H	J	K	L	M	N	O	SW	P
12	25	20	13	9	3,2	5	16	5,9	3,5	3,4	M5	M5	8	M3	-	6
16	25	20	13	10	3,5	8	20	6	3,4	3,5	M5	M6	12	M4	7	8
20	32	32	20	13	6	10	20	8	5,6	4,5	M5	M8	12	M5	9	11
32	50	50	32	16,8	9	12	26	9,4	5,5	5,5	G1/8	M10x1,25	14	M6	10	12
50	80	65	50	32,5	23	16	30	11	7	6,5	G1/4	M12x1,25	16	M8	13	16



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Clamping Cylinder

Product Facts:

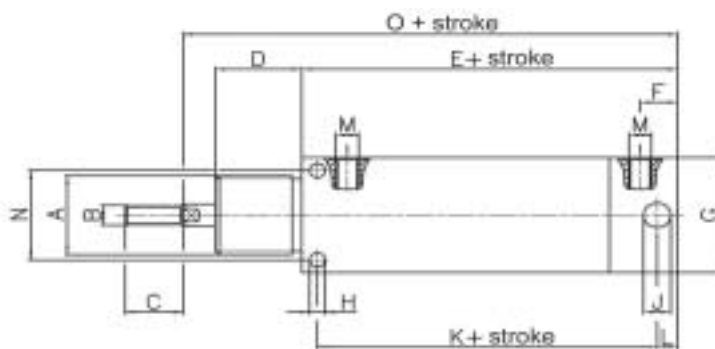
Diameter of piston: 20, 30, 40 mm
 Stroke: 10, 20, 30, 50, 75, 100, 125, 150 mm (further on request)
 Function: double acting (SZD) or single acting (SZE return spring)
 Damping: end of stroke damping
 Operating pressure: 0,2 - 10 Bar
 Others on request



	Piston diameter	Diameter of piston rod	Stroke	Magnet	End of stroke damping
SZD -	30 -		100 -	-	E
SZD double acting	20 = Ø 20 30 = Ø 30 40 = Ø 40	Ø 10 Ø 12 Ø 12	10 20 30 50 75 100 125 150	- = without magnet / M = with magnet*	E = end of stroke damping
SZE single acting					

* by choosing a magnet the extended length will increase approx. 10mm

Diameter:



Ø	A	B	C	D	E	F	G	H	J	K	L	M	N	O
20	M26x1,5	M8	14	20	49,5	14,5	30		6H11	-	5,5	G1/8	-	69,5
30	M36x2	M10	20	24	60	15,5	40		8H11	47	6,5	G1/8	28	83,5
40	M36x2	M10	20	30	66,5	18,5	50		10H11	52	8	G1/8	38	96,5



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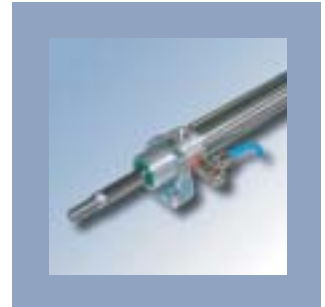
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Round Cylinder

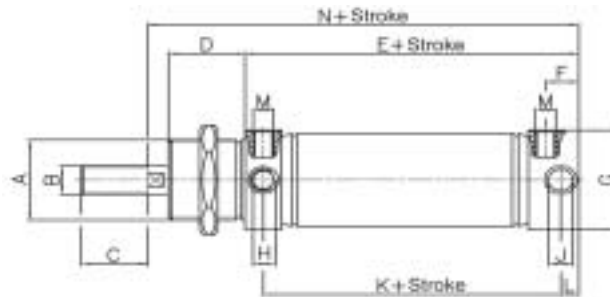
Product Facts:

Diameter of piston: 32 - 100 mm
 Piston rod: 12 - 20
 Stroke: 20 - 600 mm
 Function: double acting (or return spring as an option)
 Damping: end of stroke damping
 max. operating pressure: 6 - 10 Bar
 Others on request



	Diameter of piston	Diameter of piston rod	stroke	Magnet	End of stroke damping
RZ -	63 -		100 -	-	E
	32 = Ø 32	Ø 12	20 - 200	- = without magnet	- = without
	40 = Ø 40	Ø 12	20 - 200	- = without magnet	- = without
	50 = Ø 50	Ø 16	20 - 400	- = without magnet	- = without / E = with
	63 = Ø 63	Ø 16	20 - 600	- = without magnet	- = without / E = with
	80 = Ø 80	Ø 20	20 - 600	- = without magnet	- = without / E = with
	100 = Ø 100	Ø 20	20 - 500	- = without magnet / M = with magnet	- = without / E = with

Dimensions:



Ø	A	B	C	D	E	F	G	H	J	K	L	M	N
32	M30x1,5	M10	20	30	86	16,5	36	M8x1	8	69	8	G 1/8	124
40	M38x1,5	M12	24	35	89	16,5	44	M10x1,25	10	71	9	G 1/8	134
50	M45x1,5	M16	32	38	89	16,5	54	M12x1,5	12	71	9	G 1/8	139
63	M45x1,5	M16	32	38	95	10	69	M12x1,5	12	76	10	G 1/8	146
80	M45x1,5	M20x1,5	40	38	105	13	88	M16x1,5	16	81	13	G 1/4	159
100	M55x1,5	M20x1,5	40	38	114	14,5	109	M16x1,5	16	90	15	G1/4	170

Options

Adjustable end position



Rack and pinion



further on request

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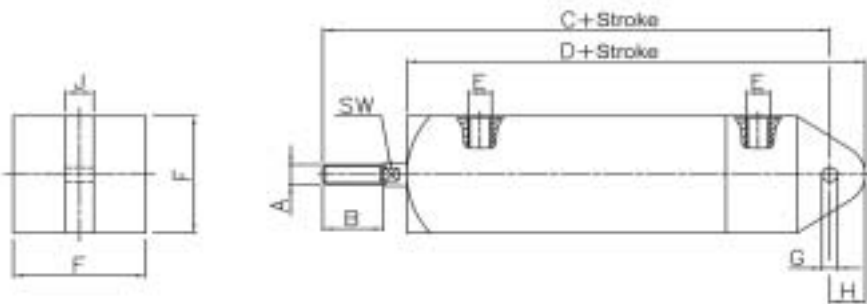
Mini Cylinder

Product Facts:

Diameter of piston: 10 - 25 mm
 Piston rod: 5 - 10
 Stroke: 10 - 75 mm
 Function: double acting (single acting on request)
 Damping: end of stroke damping
 max. operating pressure: 6 - 10 Bar
Others on request

	Piston diameter	Diameter of piston rod	Stroke	End of stroke damping
MZ -	25 -		100 -	E
	10 = Ø 10 16 = Ø 16 25 = Ø 25	Ø 5 Ø 6 Ø 10	10 - 50 10 - 60 10 - 75	E = with E = with E = with

Dimensions:



Ø	A	B	C	D	E	F	G	H	J	SW
10	M4x0,7	8	58	50,5	M5	20	4,1	4,6	8,3	4
16	M6x1	12	69	58	M5	25	5,1	6	10	5
25	M10x1,5	20	64	47,5	G1/8	35	6	9	6,1	8



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Bansbach Feinmechanik AG Swiss

Bansbach Feinmechanik AG Swiss has been developing and producing high quality special pneumatic cylinders and pneumatic accessories in Switzerland for many years. We have specialized in customized products which are made exactly to the customer's specifications.

Our experts evaluate your application and develop a product specific to your needs. This maximizes the efficiency of your application while optimizing a cost effective solution. Please contact us!

In January of 2007, A. Schmied Feinmechanik AG became a wholly owned subsidiary of Bansbach easylift GmbH

Product overview

■ **Special pneumatic cylinders:**

Custom products are designed, developed and manufactured according to the customer's request. That means we can help you with any application. Any project, any time!

- pneumatic linear unit
- rack and pinion drive
- cylinder with medium transport
- cylinder with guided piston rod
- compact cylinder
- mountable round cylinder

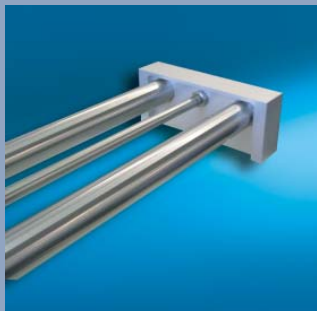
■ **Pneumatic accessories:**

Besides pneumatic cylinders, pneumatic accessories such as valve plates or foot pedals are also manufactured. Here too, Bansbach develops and manufactures according to customer's request.

■ **Job order production:**

Milling and turning of different kinds of metals are offered. The development either takes place at the customer or Bansbach takes it over. Thus, services such as construction and development are offered, too.

Further information: www.bansbach.com



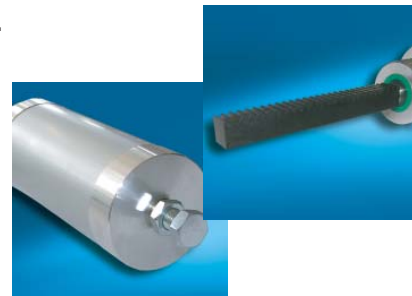
■ Rack and pinion drive

With this hydraulic cylinder, a stroke movement can be converted into a rotation. The cylinder operates in both directions.

Product characteristics:

- diameter of the rack: 16 - 20 mm
- cylinder diameter: 63 - 100 mm
- function: double operating
- stroke length: up to 200 mm

Further specifications are available



■ Medium transport through the piston rod

A medium (e.g. air, oil,...) can be transported through this pneumatic cylinder. This cylinder is therefore not only suitable for the adjustment of an application but also e.g. for the fixation of an object by creating a vacuum at the end of the cylinder.

Product characteristics:

- piston rod diameter: 25 mm
- cylinder diameter: 40 mm
- function: double operating
- stroke length: up to 150 mm
- force at 6 bar: 75N

Further specifications are available



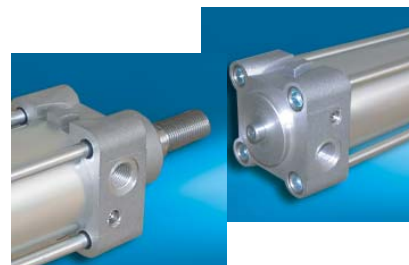
■ Pneumatic cylinder with guided piston rod

The piston rod of this cylinder makes a controlled turn movement during the push-in and push-out movement. This is due to the guided piston rod. The extent of the turn movement can be specified according to the customer's application. In specific applications you may request the piston rod be secured against rotation.

Product characteristics:

- piston rod diameter: 25 mm
- cylinder diameter: 40 mm
- function: double operating
- stroke length: up to 850 mm
- force at 6 bar: 110 kg

Further specifications are available



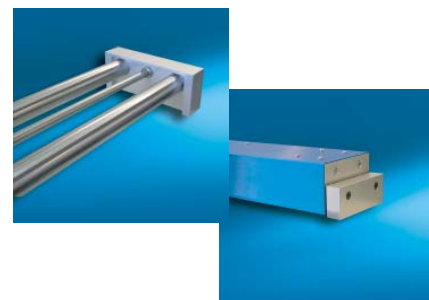
■ Pneumatic linear unit

With this pneumatic linear unit, considerable loads can be moved very quickly. Due to the special guiding, transverse forces up to 600 N are no problem. The very short end damping allows a controlled movement of the load. The cylinder becomes a very efficient height adjustment, which can be used in many fields.

Product characteristics:

- piston rod diameter: 40 mm
- speed: up to 1 m/sec
- function: double operating with end damping
- stroke: up to 300 mm
- transverse force: up to 600N
- stroke force: up to 560N
- temperature range: -20 °C - +80 °C

Further specifications are available



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Enquiry Bansbach Special Pneumatic Cylinder

Date _____

Company _____ Contact Person _____
 Street _____ Department _____
 ZIP/City _____ Phone/Fax _____
 Country _____ E-Mail _____

■ **Application** _____

■ **Size/type** diameter _____ mm storke _____ mm

■ **Function** single-acting double-acting
 damping magnet locking brake

■ **Medium** compressed air oiled others
 pressure range (bar) min _____ max _____
 temperature range (°C) min _____ max _____

■ **Others** surrounding temperature _____
 surrounding temperature _____
 PN connectors _____
 force (N) _____
 installation position _____
 attachments _____
 lifetime _____
 speed _____
 required quantity (Stck.) total _____ batch _____
 price range _____
 material _____

■ **Dates** first delivery required by _____

■ **Notes** _____

■ Sketch see backside

Sketch

