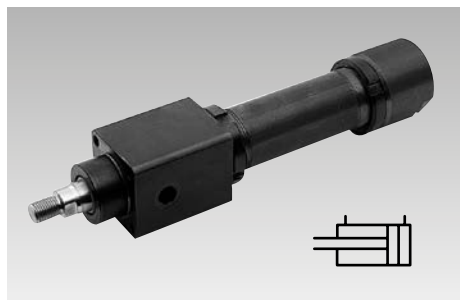


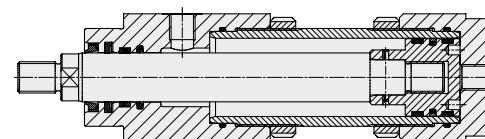
Hydro-cylinders

without stroke end cushioning, short version,
 max. operating pressure 200 bar



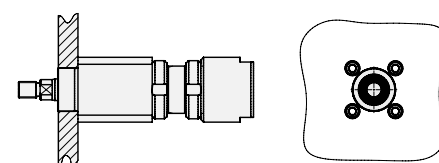
Advantages

- Compact design
- Max. piston speed 0.5 m/s
- Low wear and friction Glydring seals
- High service life due to the use of guide rings at the piston and the piston rod
- Negligible leakage by double sealing piston rod
- Piston rod induction hardened and chromium-plated
- Effective wiper seal
- Particularly suitable for fixture building by direct mounting on cylinder head (small pitch circle dia.) and accurate centring
- Connecting dimensions as per DIN ISO 6020



Fixing possibilities

• Basic version



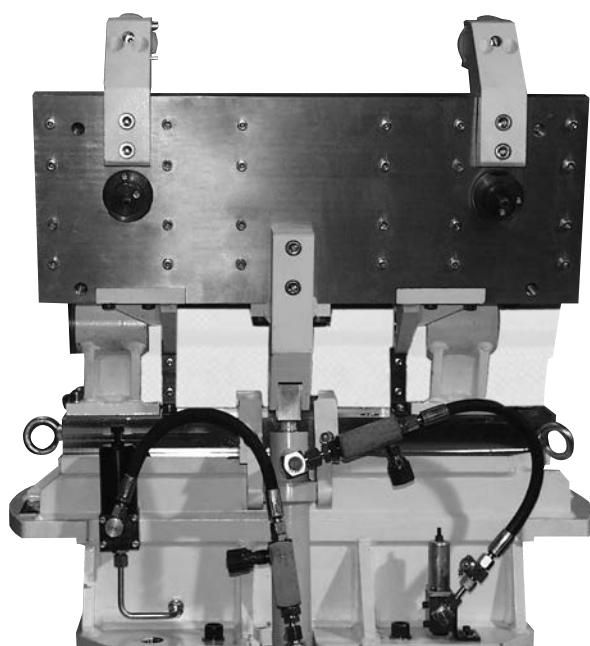
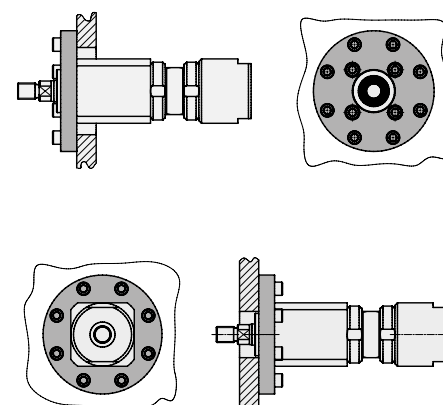
Application example

The shown hydro-cylinder is used for operation of a clamping plate in a special fixture for machining of aluminium parts.

Important note

Operating conditions, tolerances and other data see data sheet A 0.100.

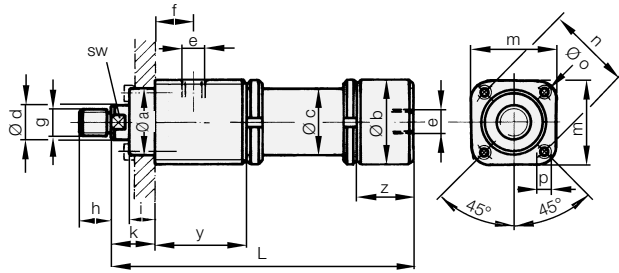
• with accessory flange



Dimensions and part-nos.

1. Basic type

Mounting on the cylinder head from the front



Examples for ordering:

Example 1

1 off hydro-cylinder
 Ø 32/20 x 250 stroke
 Text: 1 off hydro-cylinder

Part no. 1284035

Example 2

2 off hydro-cylinders
 Ø 32/20 x 250 stroke
 both with flange at the front

Text: 2 off hydro-cylinders

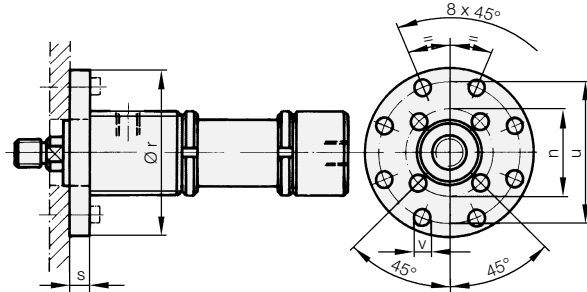
Part no. 1284035

2 off flange at the front

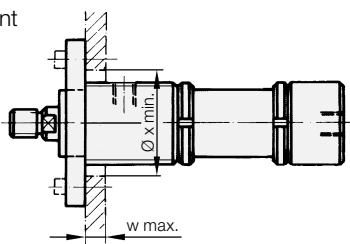
Part no. 1284910

2. Flange mounting

2.1 Mounting from the rear



2.2 Mounting from the front



Special versions are available on request.

Piston Ø D	[mm]	25	32	40	50	63	80	
Rod Ø d	[mm]	16	20	25	32	40	50	
Nominal force at 200 bar	Forward thrust	[kN]	9.8	16	25	39.2	62.3	100.5
	Pull thrust	[kN]	5.7	9.8	15.3	23.1	37.2	61.2
Piston area	[cm ²]	4.9	8.04	12.56	19.63	31.17	50.26	
Annulus area	[cm ²]	2.89	4.9	7.65	11.59	18.6	30.6	
L = stroke +	[mm]	88	100	119	130	150	180	
Ø a f7	[mm]	32	40	50	60	70	85	
Ø b	[mm]	48	55	65	80	95	115	
Ø c	[mm]	35	42	50	60	75	95	
e		G 1/4	G 1/4	G 1/4	G 1/2	G 1/2	G 1/2	
f	[mm]	20	22	30	34	40	43	
g	[mm]	M 12 x 1.25	M 14 x 1.5	M 16 x 1.5	M 20 x 1.5	M 27 x 2	M 33 x 2	
h	[mm]	16	18	22	28	36	45	
i	[mm]	15	20	20	24	29	37	
k	[mm]	28	32	32	38	45	54	
m	[mm]	48	55	65	80	95	115	
Ø n	[mm]	45	58	68	82	95	115	
Ø o	[mm]	61	73	86	104	119	144	
p x depth of thread	[mm]	M 6 x 12	M 8 x 15	M 8 x 15	M 10 x 20	M 12 x 20	M 16 x 28	
Ø r	[mm]	90	110	125	150	170	200	
s	[mm]	12	16	16	20	25	32	
Ø u	[mm]	75	92	106	126	145	165	
Ø v	[mm]	7	9	9	11	14	18	
w max.	[mm]	9	11	15	18	21	24	
Ø x min.	[mm]	62	74	87	105	120	145	
y	[mm]	55	61	75	81	93	103	
z	[mm]	39	44	46	49	54	60	
SW	[mm]	13	17	22	27	36	46	
Part no. Cylinder		12830X5	12840X5	12850X5	12860X5	12870X5	12880X5	

Stroke [mm]	Stroke code number 128X0X5	Admissible operating pressure [bar] at safety against buckling of s = 3.5					
100	0	200	200	200	200	200	200
160	1	200	200	200	200	200	200
200	2	200	200	200	200	200	200
250	3	200	200	200	200	200	200
320	4	200	200	200	200	200	200
400	5	200	200	200	200	200	200
500	6	200	200	200	200	200	200
630	7	160	200	200	200	200	200
800	8	100	160	200	200	200	200
1000	9	63	100	160	200	200	200
Part no. Flange		1283910	1284910	1285910	1286910	1287910	1288910

Intermediate strokes available