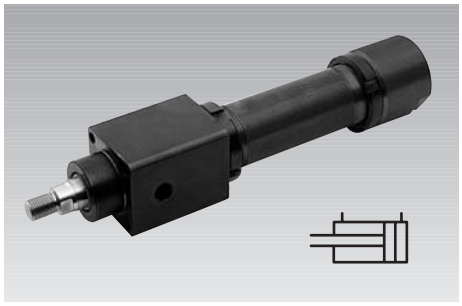
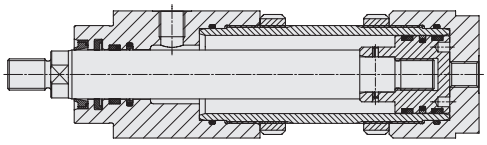
Hydro-cylinders
without stroke end cushioning, short version, max. operating pressure 200 bar



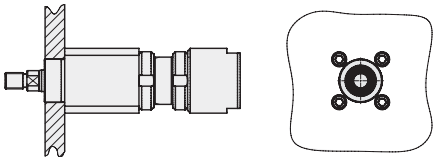
Advantages

- 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

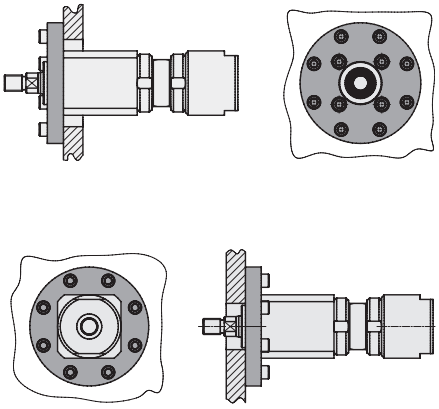


Fixing possibilities

● **Basic version**

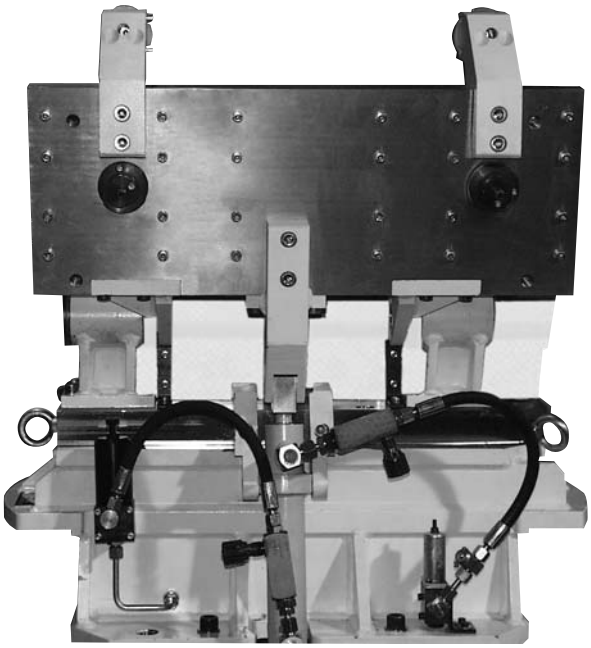


● **with accessory flange**



Application example

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

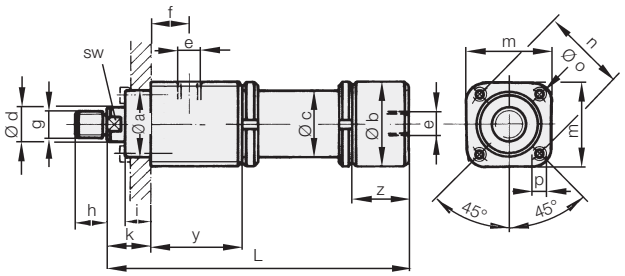


Important note

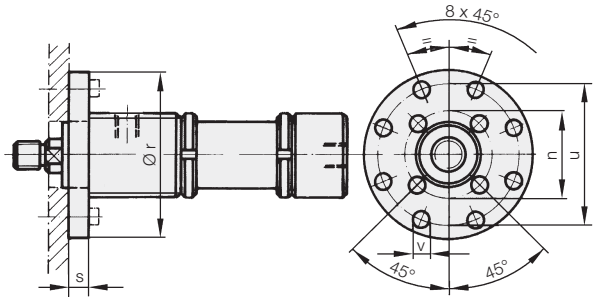
Operating conditions, tolerances and other data see data sheet A 0.100.

Dimensions and part-nos.

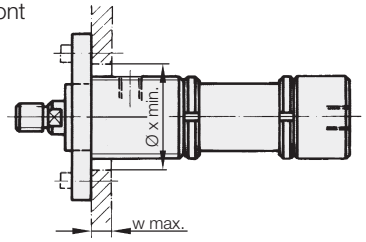
1. Basic type
Mounting on the cylinder head from the front



2. Flange mounting
2.1 Mounting from the rear



2.2 Mounting from the front



Special versions are available on request.

Examples for ordering:

Example 1
1 off hydro-cylinder
Ø 32/20 x 250 stroke
Text: 1 off hydro-cylinder
Part-no. 1284-035

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. 1284-035
2 off flange at the front
Part-no. 1284-910

Piston Ø D		[mm]	25	32	40	50	63	80
Rod Ø d		[mm]	16	20	25	32	40	50
Nominal force	Forward thrust	[kN]	9,8	16	25	39,2	62,3	100,5
at 200 bar	Pull thrust	[kN]	5,7	9,8	15,3	23,1	37,2	61,2
Piston area		[cm²]	4,9	8,04	12,56	19,63	31,17	50,26
Annulus area		[cm²]	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			**1283-0X5**	**1284-0X5**	**1285-0X5**	**1286-0X5**	**1287-0X5**	**1288-0X5**

Stroke [mm]	Stroke code number 128X-0**X**5	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		**1283-910**	**1284-910**	**1285-910**	**1286-910**	**1287-910**	**1288-910**

Intermediate strokes available