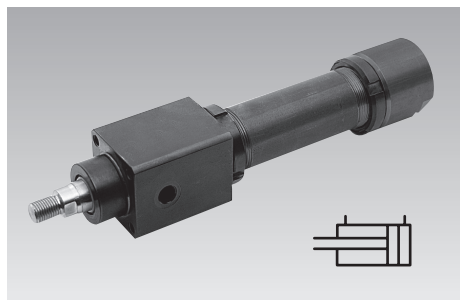




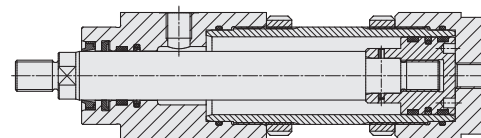
Hydro-Cylinders

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



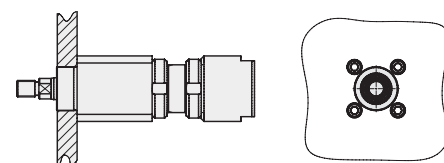
Advantages

- 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 on 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 type**



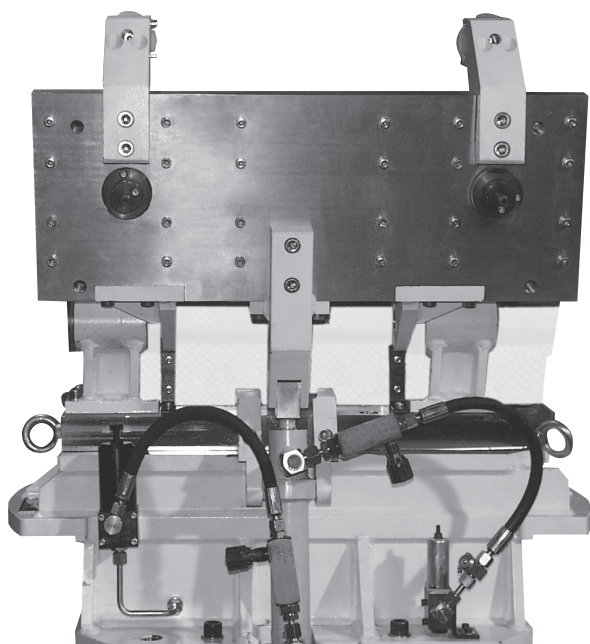
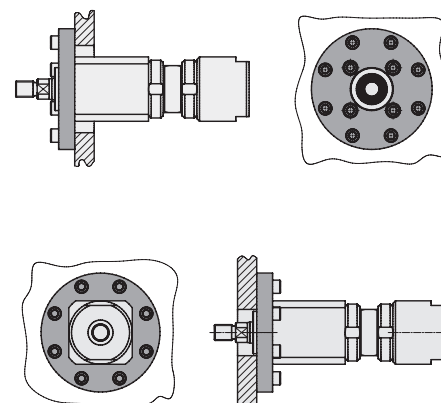
Application example

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.

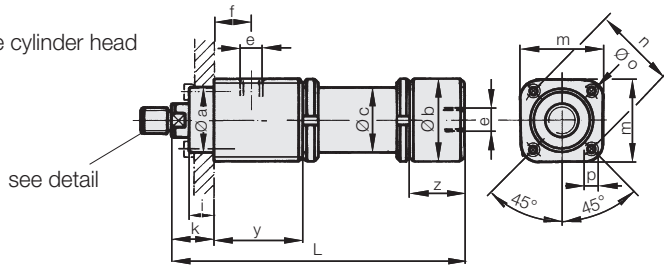
● **with accessory flange**





1. Basic type

Mounting on the cylinder head from the front



Examples for ordering:

Example 1

1 off hydro-cylinder
Ø 32/20x250 stroke
Text: 1 off hydro-cylinder

Part no. 1284035

Example 2

2 off hydro-cylinder
Ø 32/20x250 stroke
both with flange at front
Text: 2 off hydro-cylinder

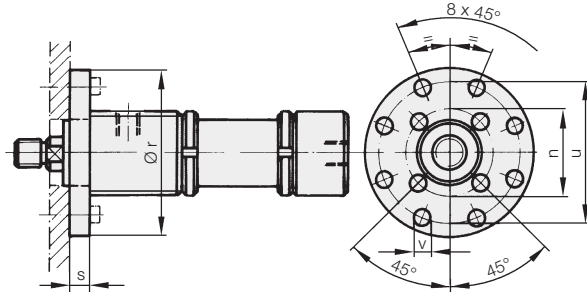
Part no. 1284035

2 off flange at the front

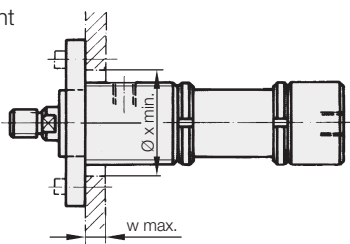
Part no. 1284910

2. Flange mounting

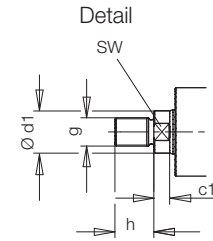
2.1 Mounting from the rear



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	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	[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
Ø d1 x c1	[mm]	15x9	19x8	24x9	31x10	38.5x12	48.5x13
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		see page 3					

Stroke [mm]	Admissible operating pressure [bar] at safety against buckling of s 3.5						
100	200	200	200	200	200	200	200
160	200	200	200	200	200	200	200
200	200	200	200	200	200	200	200
250	200	200	200	200	200	200	200
320	200	200	200	200	200	200	200
400	200	200	200	200	200	200	200
500	200	200	200	200	200	200	200
630	160	200	200	200	200	200	200
800	100	160	200	200	200	200	200
1000	63	100	160	200	200	200	200



Part numbers Hydro-cylinders

Piston Ø D [mm]	25	32	40	50	63	80
Rod Ø d [mm]	16	20	25	32	40	50
Stroke [mm]						
100	1283005	1284005	1285005	1286005	1287005	1288005
160	1283015	1284015	1285015	1286015	1287015	1288015
200	1283025	1284025	1285025	1286025	1287025	1288025
250	1283035	1284035	1285035	1286035	1287035	1288035
320	1283045	1284045	1285045	1286045	1287045	1288045
400	1283055	1284055	1285055	1286055	1287055	1288055
500	1283065	1284065	1285065	1286065	1287065	1288065
630	1283075	1284075	1285075	1286075	1287075	1288075
800	1283085	1284085	1285085	1286085	1287085	1288085
1000	1283095	1284095	1285095	1286095	1287095	1288095
Part no. Flange	1283910	1284910	1285910	1286910	1287910	1288910

Article available on request

On request, we will check whether the article is still available.