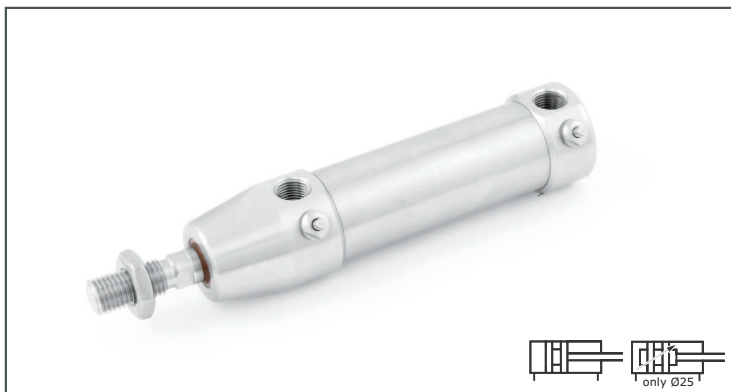


Ø12 - Ø25 - DIN/ISO 6432 - FLAT

Type 0304/0710

12/02-19 Vers. 3



ART. NO.

Without cushioning:	With cushioning:
U012 0000 0304	
U016 0000 0304	
U020 0000 0304	
U025 0000 0304	U025 0000 0710



Standard DIN/ISO 6432 cylinder (Ø12-Ø25):

A standard UNIC Stainless Cylinder® to DIN/ISO 6432 (Ø12-Ø25) is equipped with a permanent magnet and end stroke-cushioning. The Ø25 cylinder is also available with adjustable end stroke-cushioning. Standard UNIC Stainless Cylinder® is fitted with nitrile rubber (NBR) / polyurethane (PU) packings and POM piston.

This cylinder can be supplied in an ATEX version for installation in potentially explosive areas.

Max pressure: 10 bar
Temperature: -20°C to +80°C
Standard stroke: 10-500 mm.

MATERIAL

Piston rod, fittings: AISI 304 / (WST. 1.4301).
Cylinder pipe and end caps: AISI 304 / (WST. 1.4301).

ASSEMBLY

All cylinders are assembled by thread and are therefore serviceable.

CHEMICAL RESISTANCE

When ordering a cylinder with high resistance to chemicals, add the letter "C" to the end of the product number.

ATEX

When ordering an ATEX cylinder, add the letters "Ex" to the end of the product number.

HEAT-RESISTANT +150°C

A heat-resistant UNIC Stainless Cylinder® can run in ambient temperatures up to +150°C. When ordering a heat-resistant cylinder, add the letter "H" to the end of the product number.

ORDER SAMPLE

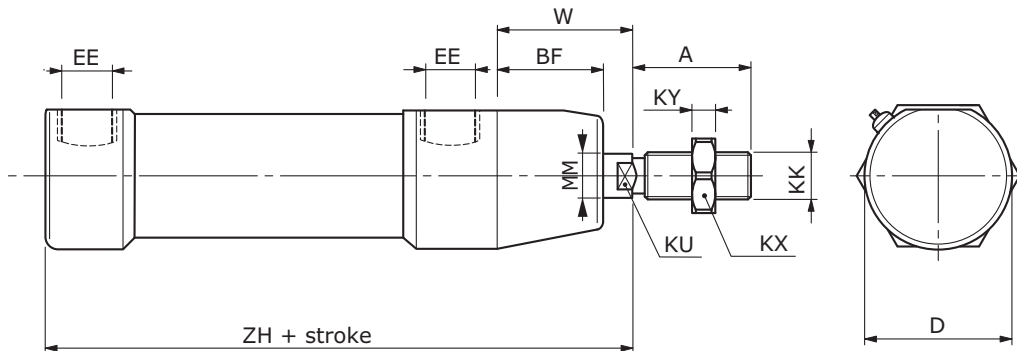
Order sample for heat-resistant and chemical-resistant cylinder, and cylinder with adapter.

Heat-resistant cylinder: U025 0030 0304**H**
Chemical-resistant cylinder: U025 0030 0304**C**
Cylinder based on **DIN/ISO 6432**

Cylinders diameter: Ø12 – Ø25 With permanent magnet and end stroke-cushioning.
*Please note: **Only** Ø25 is equipped with adjustable end stroke-cushioning.
However, Ø16 and Ø20 specially manufactured with adjustable end end stroke-cushioning.

MEASUREMENT FORM (MM)

Type 0304/0710



Cyl.Ø	A*	BE*	BF*	D	EE*	EW*	KK*	KU	KV	KW	KX	KY	L	MM*	MR*	W*	ZH*
12	15	M16x1,5	15	20	M5	12	M6	5	24	7	10	5	9	Ø6	12	21	70,0
16	16	M16x1,5	16	20	M5	12	M6	5	24	7	10	5	9	Ø6	12	22	76,0
20	20	M22x1,5	18	27	G1/8"	16	M8	6	27	7	13	4	12	Ø8	18	24	90,0
25	22	M22x1,5	21	30	G1/8"	16	M10x1,25	8	27	7	17	5	12	Ø10	16	28,5	95,7

* = DIN/ISO norm. measurements

Cyl.Ø	Wear-parts
12	U1901231
16	U1901631
20	U1902031
25	U1902531

THEORETICAL CYLINDER FORCES

In NEWTON											
cyl. Ø	Piston Rod Ø	Piston area cm ²		3 bar		4 bar		5 bar		6 bar	
		●	○	●	○	●	○	●	○	●	○
12	6	1,1	0,8	29	22	39	30	48	37	58	45
16	6	2,0	1,7	53	46	70	61	88	76	106	91
20	8	3,1	2,6	82	69	109	92	136	114	164	137
25	10	4,9	4,1	129	108	172	144	216	180	259	216

In NEWTON											
cyl. Ø	Piston Rod Ø	Piston area cm ²		7 bar		8 bar		9 bar		10 bar	
		●	○	●	○	●	○	●	○	●	○
12	6	1,1	0,8	68	52	77	60	87	67	97	75
16	6	2,0	1,7	123	107	141	122	158	137	176	152
20	8	3,1	2,6	191	160	218	183	246	206	273	229
25	10	4,9	4,1	302	253	345	289	388	325	421	361

- = cylinder in Plus direction
- = cylinder in Minus direction