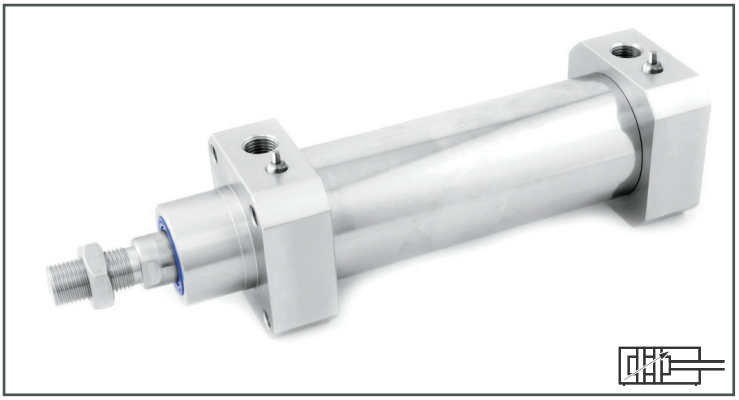
Ø32 - Ø125 - DIN/ISO 15552 - (VDMA)

Type 1522 12/02-19 Vers. 3



ART. NO.

U032 0000 1522
U040 0000 1522
U050 0000 1522
U063 0000 1522
U080 0000 1522
U100 0000 1522
U125 0000 1522

FDA compliant

Standard DIN/ISO 15552 (Ø32-Ø125):
A standard UNIC Stainless Cylinder® to DIN/ISO 15552 (VDMA) (Ø32-Ø125) is equipped with a permanent magnet and adjustable end stroke-cushioning. Standard UNIC Stainless Cylinder® is fitted with nitrile rubber (NBR) / polyurethane (PU) packings and POM piston (Ø125 with aluminium piston).

This cylinder can be supplied in an ATEX version for installation in potentially explosive areas.
This cylinder can be supplied with FDA-approved piston rod sealing, which is suitable when FDA-compliant products are required.

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.

CHEMICALRESISTANCE

When ordering a cylinder with high resistance to chemicals, add the letter **''C''** to the end of the product number.
This cylinder has FDA-approved piston rod sealings and is therefore FDA-compliant.

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

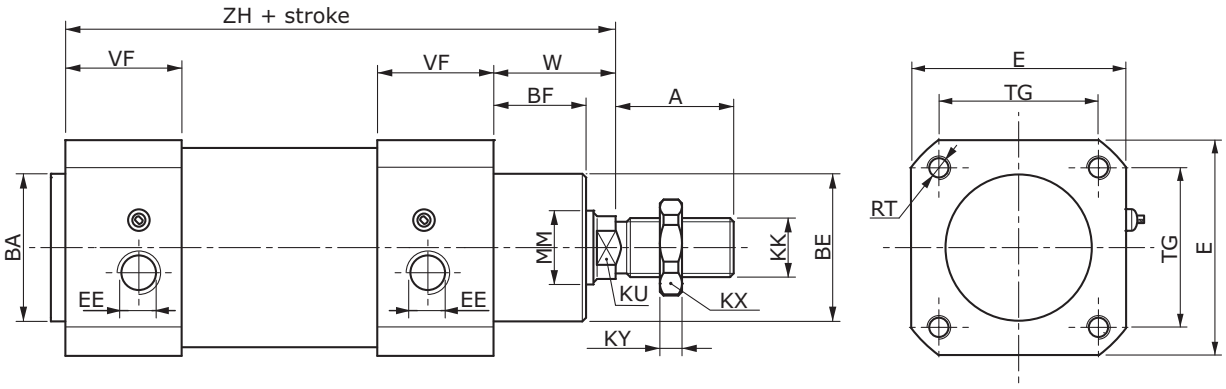
Order sample for heat-resistant and chemical-resistant cylinder.

Heat-resistant cylinder:	U080 0050 1522**H**
Chemical-resistant cylinder:	U080 0050 1522**C**

Cylinder based on **DIN/ISO 15552**

MEASUREMENT FORM (MM)

Type 1522



Cyl.Ø	A*	BE	BF*	E	EE*	KK*	KU	KX	KY	MM*	RT*	TG*	VF	W*	ZH*
32	22	Ø30	20	45	G⅛"	M10x1,25	10	17	5	Ø12	M6	32,5	23,0	26	120
40	24	Ø35	22	55	G¼"	M12x1,25	13	19	6	Ø16	M6	38,0	27,5	30	135
50	32	Ø40	29	65	G¼"	M16x1,50	17	24	6	Ø20	M8	46,5	26,0	37	143
63	32	Ø40	29	75	G⅜"	M16x1,50	17	24	6	Ø20	M8	56,5	29,5	37	158
80	40	Ø55	35	95	G⅜"	M20x1,50	22	30	9	Ø25	M10	72,0	31,0	46	174
100	40	Ø55	38	115	G½"	M20x1,50	22	30	9	Ø25	M10	89,0	31,0	51	189
125	54	Ø60	50	140	G½"	M27x2,00	27	41	13,5	Ø32	M12	110,0	39,0	65	225

*** = DIN/ISO norm. measurements**

Cyl.Ø	Wear-parts
32	U1903232
40	U1904032
50	U1905032
63	U1906332
80	U1908032
100	U1910032
125	U1912532

THEORETICAL CYLINDER FORCES

				In NEWTON							
cyl. Ø	Piston Ø	Piston area cm² ●	Piston area cm² ○	3 bar ●	3 bar ○	4 bar ●	4 bar ○	5 bar ●	5 bar ○	6 bar ●	6 bar ○
32	12	8,0	6,9	212	182	282	243	352	304	422	364
40	16	12,6	10,6	333	282	444	373	554	466	665	560
50	20	19,6	16,5	517	436	690	581	862	726	1035	871
63	20	31,1	28,0	824	739	1098	986	1373	1232	1647	1478
80	25	50,3	45,3	1328	119	1771	1598	2213	1998	2656	2397
100	25	78,5	73,6	2072	1943	2763	2591	3454	3238	4145	3886
125	32	122,7	114,6	3239	3028	4319	4037	5399	5047	6479	6056

				In NEWTON							
cyl. Ø	Piston Ø	Piston area cm² ●	Piston area cm² ○	7 bar ●	7 bar ○	8 bar ●	8 bar ○	9 bar ●	9 bar ○	10 bar ●	10 bar ○
32	12	8,0	6,9	493	425	563	486	634	546	704	607
40	16	12,6	10,6	776	653	887	746	998	840	1109	933
50	20	19,6	16,5	1207	1016	1380	1162	1552	1307	1725	1452
63	20	31,1	28,0	1923	1725	2196	1971	2471	2218	2746	2464
80	25	50,3	45,3	3098	2797	3541	3196	3984	3596	4426	3995
100	25	78,5	73,6	4836	4534	5526	5181	6217	5829	6908	6477
125	32	122,7	114,6	7558	7066	8638	8075	9718	9084	10798	10094

● = cylinder in Plus direction ○ = cylinder in Minus direction