



Compact Cylinder ISO 21287

Ø20 mm - Ø100 mm | 5150 | 05-01-2024

UNIC
STAINLESS CYLINDER

Type overview

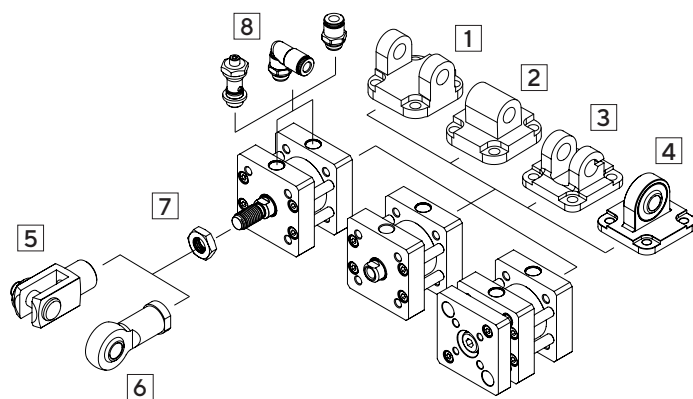
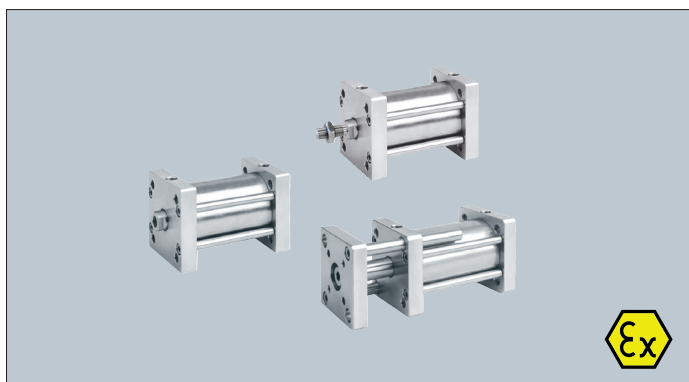
Type	UG	IG	MF

Cylinder accessories					

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Specifications

Diameter	Ø20 mm - Ø100 mm
Standard	ISO 21287
Working pressure	3 bar to 10 bar
Temperature	-20°C til +80°C
Standard strokes	10-500 mm

Materials

Piston rod, Accessories, Cylinder tube, Front and rear caps	AISI 304 / (EN 1.4301)
Piston	Aluminium
Wiper	Nitrile rubber / polyurethane
O-ring	Viton

Standard

Magnet for detection
Adjustable end stroke-cushioning

Options

AISI 316L (EN 1.4404)
Cylinder with enhanced chemical resistance
Heat-resistant cylinder max +150°C
ATEX
FDA
Customized according to request
Renovation / Rep. kit (Page 54)

Ordering key

Ø25 x 125 mm = **U025 0125 5150-UG**

Accessories

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Theoretical cylinder forces given in Newton

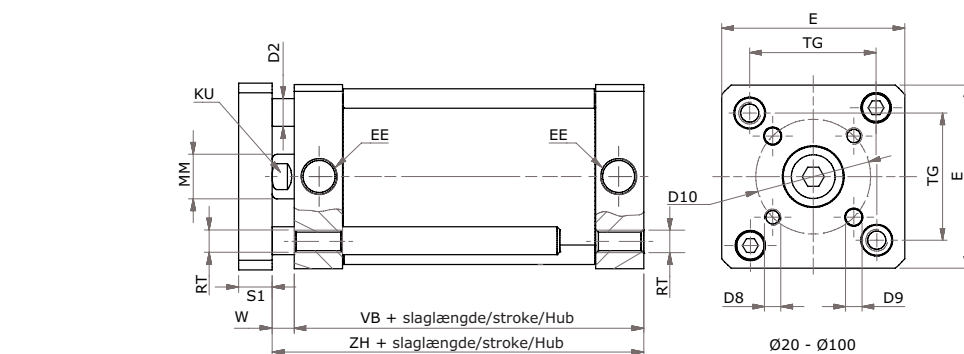
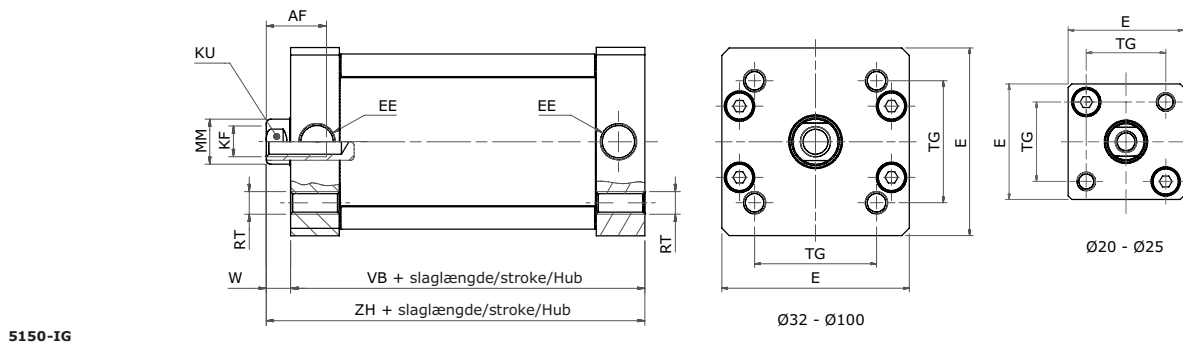
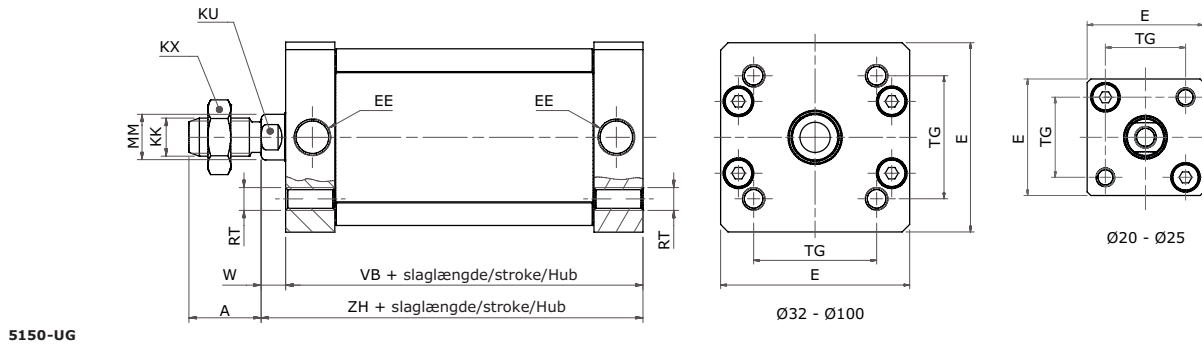
Cyl.Ø	Piston rod Ø	Piston area cm ²		3 bar		4 bar		5 bar			
		•	o	•	o	•	o	•	o		
20	8	3,1	2,6	82	69	109	92	136	114		
25	10	4,9	4,1	129	108	172	144	216	180		
32	12	8,0	6,9	212	182	282	243	352	304		
40	16	12,6	10,6	333	282	444	373	554	466		
50	20	19,6	16,5	517	436	690	581	862	726		
63	20	31,1	28,0	824	739	1098	986	1373	1232		
80	25	50,3	45,3	1328	1199	1771	1598	2213	1998		
100	25	78,5	73,6	2072	1943	2763	2591	3454	3238		
		6 bar		7 bar		8 bar		9 bar		10 bar	
		•	o	•	o	•	o	•	o	•	o
164	137	191	160	218	183	246	206	273	229		
259	216	302	253	345	289	388	325	421	361		
422	364	493	425	563	486	634	546	704	607		
665	560	776	653	887	746	998	840	1109	933		
1035	871	1207	1016	1380	1162	1552	1307	1725	1452		
1647	1478	1923	1725	2196	1971	2471	2218	2746	2464		
2656	2397	3098	2797	3541	3196	3984	3596	4426	3995		
4145	3886	4836	4534	5526	5181	6217	5829	6908	6477		



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Technical data | 05-01-2024

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Ø	A	AF	D2	D8	D9	D10	E	EE	KF	KK	KU	KX	MM	RT	S1	TG	VB	W	ZH	Male piston rod thread	Indv. gevind på st.st	Med føring
20	16	10	6	M4	4	17	32	M5	M6	M8	8	13	Ø10	M5	8	22	37	6,50	43,50	-UG	-IG	-MF
25	16	10	6	M5	5	22	36	M5	M6	M8	8	13	Ø10	M5	8	26	39	6	45	-UG	-IG	-MF
32	19	12	6	M5	5	28	50	G1/8"	M8	M10x1,25	10	17	Ø12	M6	10	32,50	44	6,50	50,50	-UG	-IG	-MF
40	19	12	8	M5	5	33	57	G1/8"	M8	M10x1,25	10	17	Ø12	M6	10	38	45	7	52	-UG	-IG	-MF
50	22	16	10	M6	6	42	67	G1/8"	M10	M12x1,25	13	19	Ø16	M8	12	46,50	45	8	53	-UG	-IG	-MF
63	22	16	10	M6	6	50	80	G1/8"	M10	M12x1,25	13	19	Ø16	M8	12	56,50	49	8	57	-UG	-IG	-MF
80	28	20	12	M8	8	65	96	G1/8"	M12	M16x1,50	17	24	Ø20	M10	14	72	54	10	64	-UG	-IG	-MF
100	28	20	14	M10	10	80	116	G1/8"	M12	M16x1,50	22	24	Ø25	M10	14	89	67	10	77	-UG	-IG	-MF

*Note. All dimensions are with 0.0 mm stroke.