

STAINLESS STEEL ISO 15552 CYLINDERS (EX ISO 6431)



Stainless steel cylinders made to ISO 15552 available in various versions and with a wide range of accessories:

- with or without magnet execution
- double-acting – single- or through-rod
- gaskets: Polyurethane or FKM/FPM (for high temperatures)
- fixing accessories, guide units and mechanical piston rod lock



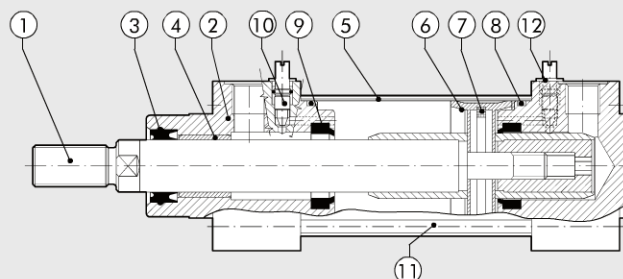
ACTUATORS

STAINLESS STEEL ISO 15552 CYLINDERS

TECHNICAL DATA		POLYURETHANE	FKM/FPM
Max operating pressure	bar	10	
	MPa	1	
	psi	145	
Temperature range	°C	-10 to +80	-10 to +150
Fluid		Unlubricated air. Lubrication, if used, must be continuous	
Bores	mm	32; 40; 50; 63; 80; 100	
Design		Heads with tie rods	
Standard strokes +	mm	max 1000	
Versions		Double-acting cushioned, Double-acting through-rod cushioned	
Magnet for sensors		All versions come complete with magnet. Supplied without magnet on request	
Notes		+ Maximum recommended strokes. Higher values can create operating problems	

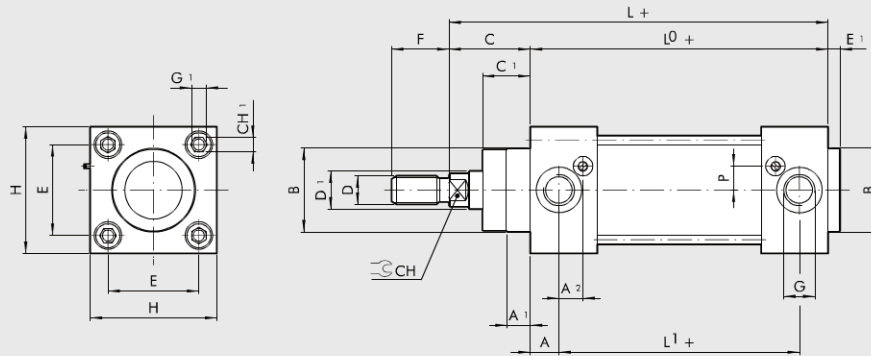
COMPONENTS

- ① PISTON ROD: AISI 316 steel
- ② HEAD: AISI 304 steel
- ③ PISTON ROD GASKET: polyurethane or FKM/FPM
- ④ GUIDE BUSHING: sintered bronze
- ⑤ BARREL: AISI 304 steel
- ⑥ ENBLOC GASKET: NBR or FKM/FPM
- ⑦ MAGNET: plastroferrite
- ⑧ Static O-rings: NBR or FKM/FPM
- ⑨ CUSHIONING GASKET: polyurethane or FKM/FPM
- ⑩ CUSHIONING NEEDLE: AISI 304 steel
- ⑪ TIE ROD: AISI 316 steel
- ⑫ NEEDLE-RETAINING RING: technopolymer



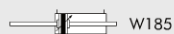
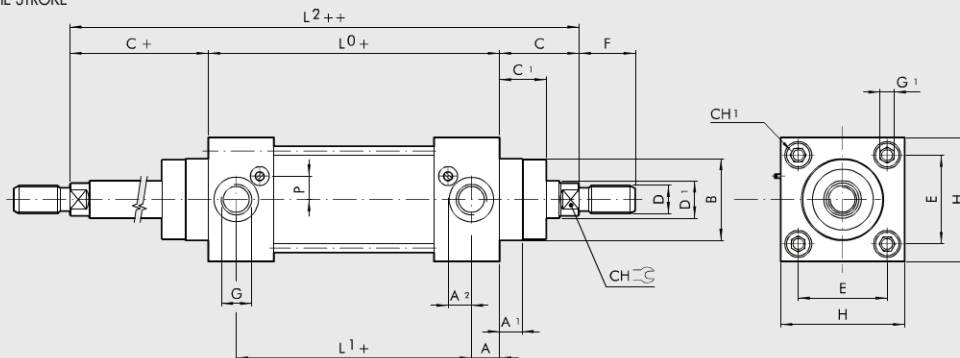
DIMENSIONS OF DOUBLE-ACTING

+ = ADD STROKE



DIMENSIONS DOUBLE-ACTING THROUGH-ROD

+ = ADD STROKE
++ = ADD TWICE THE STROKE



Ø	A	A ₁	A ₂	B	C	C ₁	CH	CH ₁	D	D ₁	E	E ₁	F	G	G ₁	H	L	L ₀	L ₁	L ₂	P
32	14	9	11.3	30	26	18	10	6	M10x1.25	12	32.5	4	22	G1/8	M6	50	121	95	67	147	6
40	14	9	13	35	30	22	13	6	M12x1.25	16	38	4	24	G1/4	M6	55	135	105	77	165	8
50	14	9	12.7	40	37	25.5	16	8	M16x1.5	20	46.5	4	32	G1/4	M8	65	143	106	78	180	11.8
63	16	9	15.8	45	37	25	16	8	M16x1.5	20	56.5	4	32	G3/8	M8	75	158	121	89	195	11.7
80	16	9	16.3	45	46	35	21	10	M20x1.5	25	72	4	40	G3/8	M10	95	174	128	96	220	15.5
100	18	9	15.5	55	51	38	21	10	M20x1.5	25	89	4	40	G1/2	M10	110	189	138	102	240	15.5

KEY TO CODES

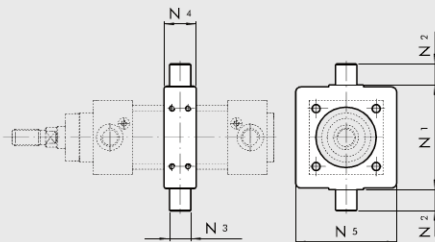
W 1 8	4	0	3 2	0 0 3 2
	TYPE	VERSION	DIAMETER	STROKE
Stainless steel cylinder	4 DEMA 5 DEMA through-rod	0 Standard (magnetic) 5 Non-magnetic ● V FKM/FPM gasket	32 40 50 63 80 A1=100	+ 0 to 1000 mm

DEMA: Magnetic double-acting (cushioned)
+ Maximum recommended strokes. Higher values can create operating problems
● For this version the cylinder will be not magnetic



ACCESSORIES FOR STAINLESS ISO 15552 CYLINDER: FIXINGS

STAINLESS STEEL INTERMEDIATE HINGE - MODEL EN

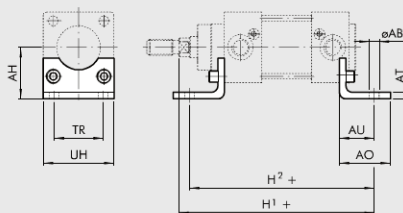


Code	Ø	N ₁	N ₂	N ₃	N ₄	N ₅
W095X322007	32	50	12	12	22	65
W095X402007	40	63	16	16	28	75
W095X502007	50	75	16	16	32	95
W095X632007	63	90	20	20	35	105
W095X802007	80	110	20	20	40	130
W095XA12007	100	132	25	25	45	145

Note: Supplied complete with 8 grub screws

STAINLESS STEEL SHORT FOOT MOUNTING

+ = ADD THE STROKE

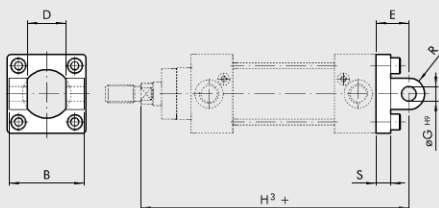


Code	Ø	Ø AB	AH	AO	AT	AU	TR	UH	H ₁	H ₂
W095X322001	32	7	32	35	4	24	32	45	145	143
W095X402001	40	9	36	36	4	28	36	52	163	161
W095X502001	50	9	45	47	5	32	45	65	175	170
W095X632001	63	9	50	45	5	32	50	75	190	185
W095X802001	80	12	63	55	6	41	63	95	215	210
W095XA12001	100	14	71	57	6	41	75	115	230	220

Note: Individually packed with 2 screws

STAINLESS STEEL FEMALE HINGE - MODEL B

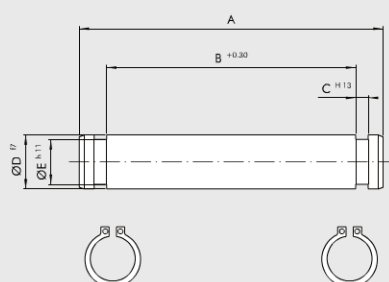
+ = ADD THE STROKE



Code	Ø	B	D	E	Ø G	H ₃	R	S
W095X322003	32	45	26	22	10	142	10	9
W095X402003	40	52	28	25	12	160	12	9
W095X502003	50	65	32	27	12	170	12	11
W095X632003	63	75	40	32	16	190	16	11
W095X802003	80	95	50	36	16	210	16	14
W095XA12003	100	115	60	41	20	230	20	14

Note: Supplied with 4 screws, 4 washers. WITHOUT PIN.

FEMALE HINGE INOX PIN



Code	Ø	A	B	C	D	E
W095X322050	32	53	46	1.1	10	9.6
W095X402050	40	60	53	1.1	12	11.5
W095X502050	50	68	61	1.1	12	11.5
W095X632050	63	78	71	1.1	16	15.2
W095X802050	80	98	91	1.1	16	15.2
W095XA12050	100	118	111	1.3	20	19

Note: Supplied with 2 snap-rings

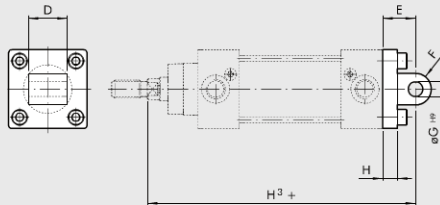
ACTUATORS

ACCESSORIES FOR STAINLESS STEEL ISO 15552 CYLINDERS



STAINLESS STEEL MALE HINGE - MODEL BA

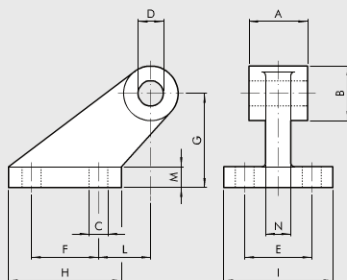
+ = ADD THE STROKE



Code	Ø	D	E	F	Ø G	H	H ₃
W095X322004	32	26	22	10	10	9	143
W095X402004	40	28	25	12	12	9	160
W095X502004	50	32	27	12	12	11	170
W095X632004	63	40	32	16	16	11	190
W095X802004	80	50	36	16	16	14	210
W095XA12004	100	60	41	20	20	14	230

Note: Supplied with 4 screws, 4 washers

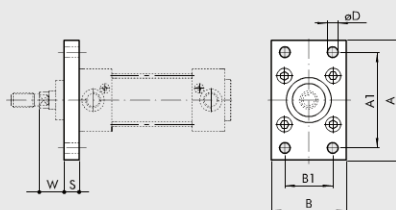
STAINLESS STEEL ISO COUNTER-HINGE FOR MODEL B - MODEL GS



Code	Ø	A	B	C	D	E	F	G	H	I	L	M	N
W095X322008	32	26	20	6.6	10	38	18	32	31	51	3	8	10
W095X402008	40	28	22	6.6	12	41	22	36	35	54	2	10	15
W095X502008	50	32	26	9	12	50	30	45	45	65	3	12	16
W095X632008	63	40	30	9	16	52	35	50	50	67	2	14	16
W095X802008	80	50	30	11	16	66	40	63	60	86	7	14	20
W095XA12008	100	60	38	11	20	76	50	71	70	96	5	17	20

Note: Individually packed

STAINLESS STEEL FRONT FLANGE - MODEL C

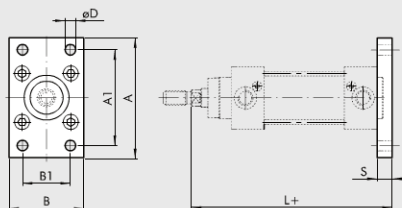


Code	Ø	A	A ₁	B	B ₁	S	ØD	W
W095X322002	32	80	64	45	32	10	7	16
W095X402002	40	90	72	52	36	10	9	20
W095X502002	50	110	90	65	45	12	9	25
W095X632002	63	120	100	75	50	12	9	25
W095X802002	80	150	126	95	63	16	12	30
W095XA12002	100	170	150	115	75	16	14	35

Note: Supplied with 4 screws

STAINLESS STEEL REAR FLANGE - MODEL C

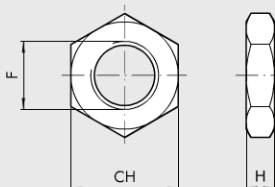
+ = ADD THE STROKE



Code	Ø	A	A ₁	B	B ₁	S	ØD	L
W095X322002	32	80	64	45	32	10	7	105
W095X402002	40	90	72	52	36	10	9	115
W095X502002	50	110	90	65	45	12	9	118
W095X632002	63	120	100	75	50	12	9	133
W095X802002	80	150	126	95	63	16	12	144
W095XA12002	100	170	150	115	75	16	14	154

Note: Supplied with 4 screws

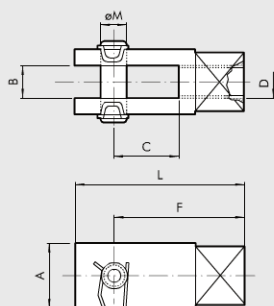
STAINLESS STEEL NUT FOR PISTON RODS



Code	Ø	F	H	CH	Weight [g]
W095X322011	32	M10x1.25	6	17	6
W095X402011	40	M12x1.25	7	19	12
W095X502011	50	M16x1.5	8	24	20
W095X502011	63	M16x1.5	8	24	20
W095X802011	80	M20x1.5	9	30	32
W095X802011	100	M20x1.5	9	30	32

Note: Individually packed

STAINLESS STEEL FORK-MODEL GK-M

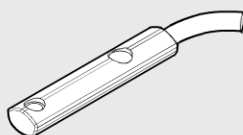


Code	Ø	A	B	C	D	F	L	Ø M
W095X322020	32	20	10	20	M10x1.25	40	52	10
W095X402020	40	24	12	24	M12x1.25	48	62	12
W095X502020	50	32	16	32	M16x1.5	64	83	16
W095X502020	63	32	16	32	M16x1.5	64	83	16
W095X802020	80	40	20	40	M20x1.5	80	105	20
W095X802020	100	40	20	40	M20x1.5	80	105	20

Note: Individually packed

ACCESSORIES: MAGNETIC SENSORS

SLIM SENSOR



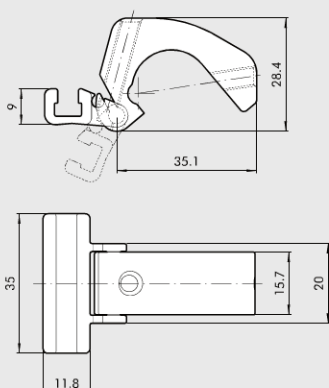
Code	Description
W0952025390	HALL N.O. sensor, vertical insertion 2.5 m
W0952029394	HALL N.O. sensor, vertical insertion 300 mm M8
W0952022180	REED N.O. sensor, vertical insertion 2.5 m
W0952028184	REED N.O. sensor, vertical insertion 300 mm M8
W0952125556	HALL N.O. sensor, vertical insertion 2 m ATEX
W0952025500*	HALL N.O. sensor, vertical insertion HS 2.5 m
W0952029504*	HALL N.O. sensor, vertical insertion HS 300 mm M8
W0952022500*	REED N.O. sensor, vertical insertion HS 2.5 m
W0952128184*	REED N.O. sensor, vertical insertion HS 300 mm M8

* For use when standard sensors do not detect the magnet, e.g. near metal masses.

For technical data see page 1-288

Note: Individually packed

SENSOR BRACKET



Code	Bore	Description
W0950001100	32 to 100	Sensor bracket

Note: Individually packed

MATERIAL

Bracket: zinc-plated aluminium
Sensor holder: zinc-plated aluminium
Fixing screw: zinc-plated aluminium