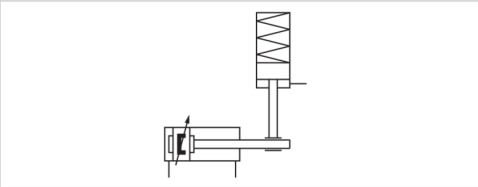


Holding unit, Series HU1

- Ø 32-100 mm

- hold: spring force, release: compressed air



Function	Hold with clamping jaws
Release pressure	4 ... 8 bar
Ambient temperature min./max.	-10 ... 60 °C
Medium temperature min./max.	-10 ... 60 °C
Medium	Compressed air
Max. particle size	5 µm
Oil content of compressed air	0 ... 5 mg/m³
Weight	See table below

Technical data

Part No.	Piston Ø	suitable piston rod Ø	Piston rod extension	Compressed air connection	Static holding force	Weight
0821401165	32 mm	12 mm	42 mm	M5	650 N	0,2 kg
0821401166	40 mm	16 mm	45 mm	G 1/8	1100 N	0,27 kg
0821401167	50 mm	20 mm	57 mm	G 1/8	1600 N	0,57 kg
0821401168	63 mm	20 mm	57 mm	G 1/8	2500 N	0,8 kg
0821401169	80 mm	25 mm	77 mm	G 1/8	4000 N	1,85 kg
0821401170	100 mm	25 mm	77 mm	G 1/8	6300 N	2,9 kg

Holding force at 0 bar

Technical information

Warning: The holding unit may not be used for the following applications:

- 1) for dynamic holding
- 2) in or as safety equipment

Holding unit may only be unlocked when turned off.

Make sure that the load direction does not change during a holding interval. A change in the direction of force, as well as external forces such as impacts, strong vibrations, or torsional forces, will briefly release the piston rod and may destroy the HU1 holding unit. When clamped, there must be no residual pressure on the holding unit (0 bar).

Note:

The minimum control pressure is >= the working pressure of the cylinder!

Technical information

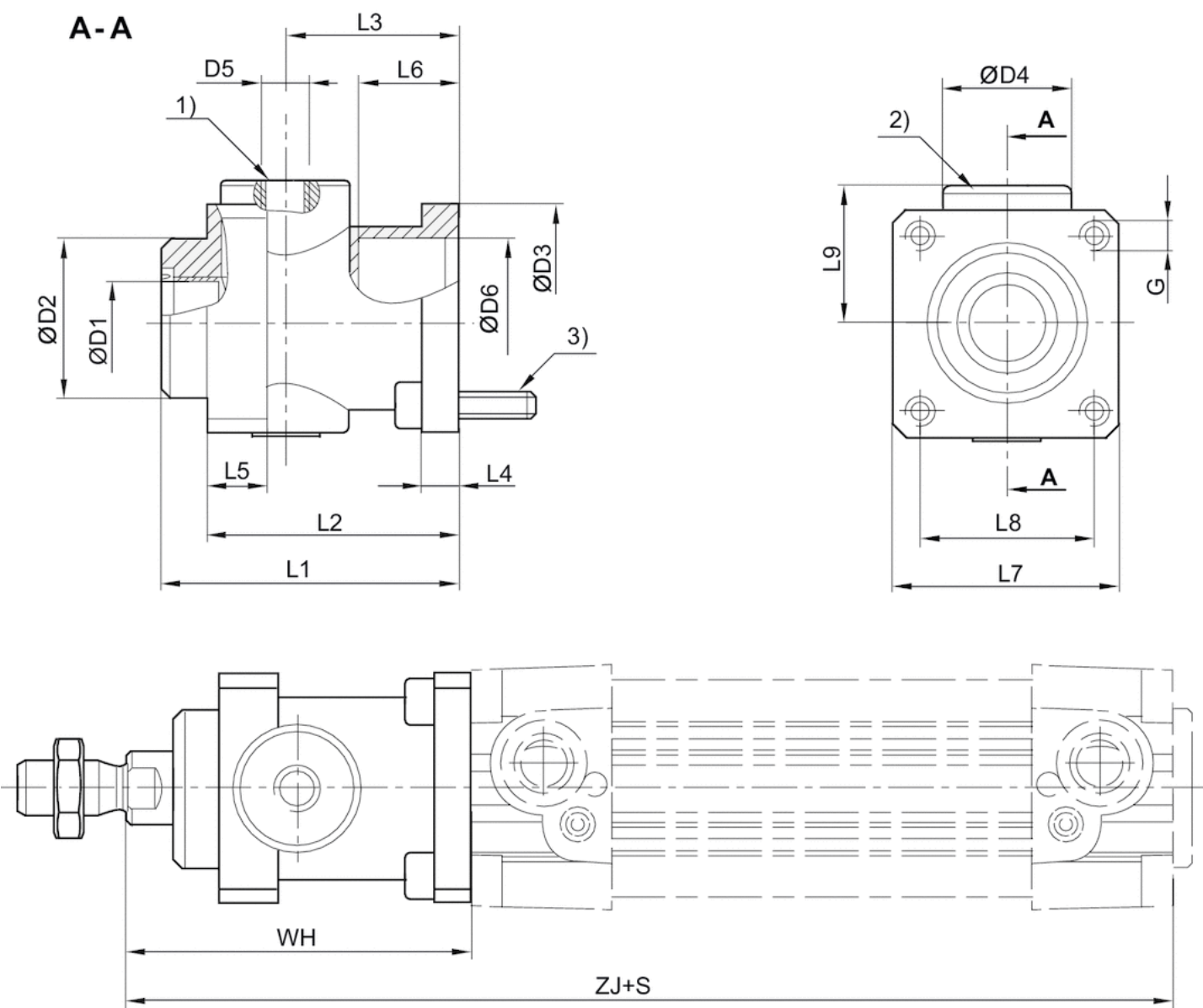
Material

Housing

Aluminum, black anodized

Dimensions

Dimensions



1) air connection

2) Holding cartridge

3) mounting screws 4x

S = stroke

Dimensions

Part No.	Piston Ø	Ø D1	Ø D2	Ø D3	Ø D4	D5	L1	L2	L3	L4	L5	L6	L7	L8	L9	G
0821401165	32 mm	12	30	35	25	M5	58	48	34	8	13	20.5	45	32.5	25.5	M6
0821401166	40 mm	16	35	40	28	G 1/8	65	55	38	8	13	22.5	50	38	30	M6
0821401167	50 mm	20	40	50	35	G 1/8	82	70	48	15	16	29.5	60	46.5	36	M8
0821401168	63 mm	20	45	60	38	G 1/8	82	70	49.5	15	16	29.5	70	56.5	40	M8
0821401169	80 mm	25	45	80	48	G 1/8	110	90	61	18	20	35	90	72	50	M10
0821401170	100 mm	25	55	100	58	G 1/8	115	100	69	18	20	–	105	89	58	M10

WH	ZJ
68	162
75	180
94	200
94	215
123	251
128	266

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