

Holding unit, Series HU1

- Ø 2.48 inch

- hold: spring force, release: compressed air



Function	Hold with clamping jaws
Release pressure	58 ... 116 psi
Ambient temperature min./max.	14 ... 140 °F
Medium temperature min./max.	14 ... 140 °F
Medium	Compressed air
Max. particle size	5 µm
Oil content of compressed air	0 ... 5 mg/m³
Weight	See table

Technical data

Part No.	Piston Ø	Compressed air connection	Static holding force	Weight
0821401165	1.26 inch	M5	146.12 lbf	0.441 lbs
0821401166	1.57 inch	G 1/8	247.28 lbf	0.595 lbs
0821401167	1.97 inch	G 1/8	359.68 lbf	1.26 lbs
0821401168	2.48 inch	G 1/8	562 lbf	1.76 lbs
0821401169	3.15 inch	G 1/8	899.2 lbf	4.08 lbs
0821401170	3.94 inch	G 1/8	1416.24 lbf	6.39 lbs

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 psi).

Note:

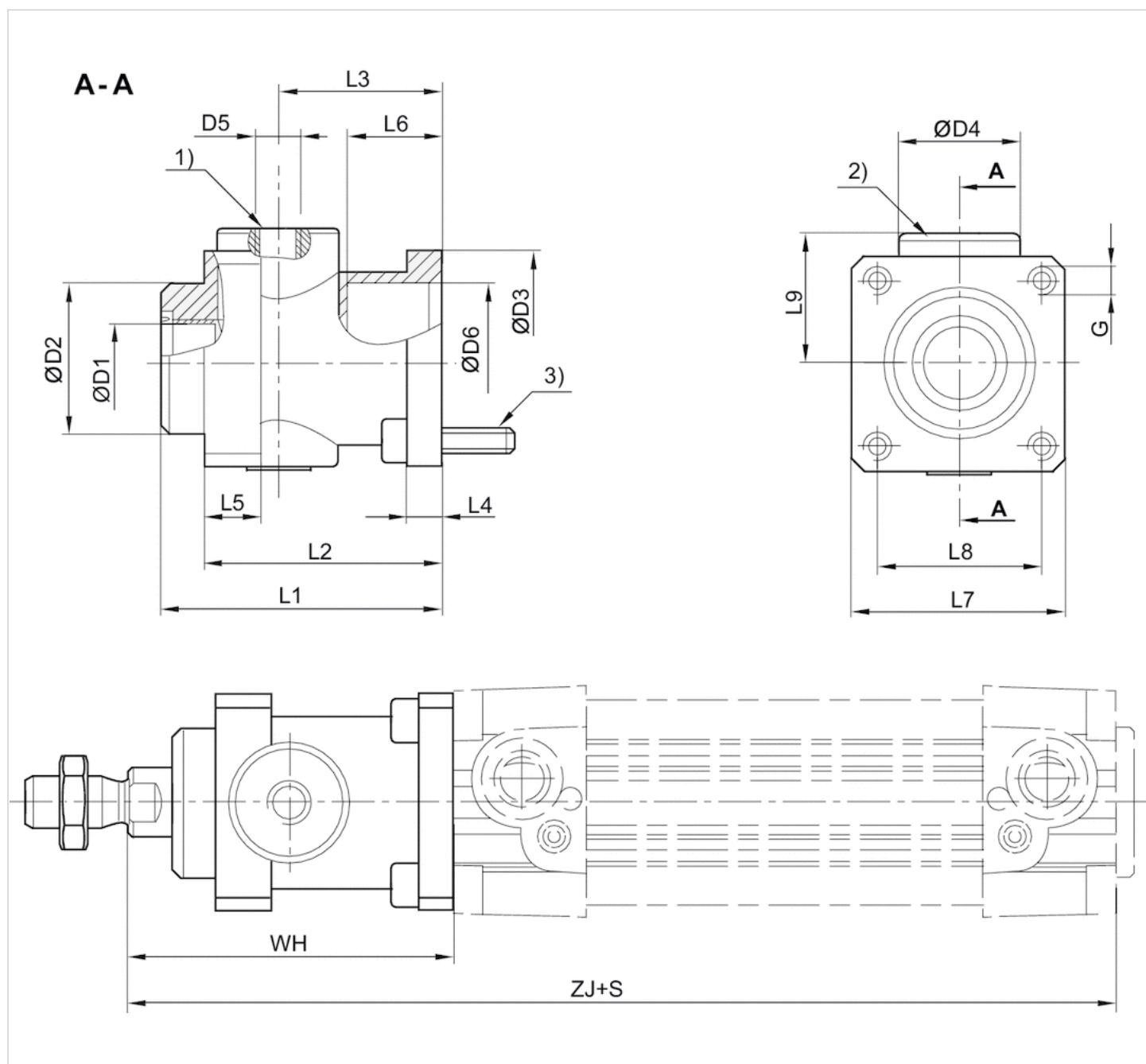
The minimum control pressure is $\geq$ the working pressure of the cylinder!

Technical information

Material	
Housing	Aluminum, black anodized

Dimensions

Dimensions



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	1.26 inch	12	30	35	25	M5	58	48	34	8	13	20.5	45	32.5	25.5	M6
0821401166	1.57 inch	16	35	40	28	G 1/8	65	55	38	8	13	22.5	50	38	30	M6
0821401167	1.97 inch	20	40	50	35	G 1/8	82	70	48	15	16	29.5	60	46.5	36	M8
0821401168	2.48 inch	20	45	60	38	G 1/8	82	70	49.5	15	16	29.5	70	56.5	40	M8
0821401169	3.15 inch	25	45	80	48	G 1/8	110	90	61	18	20	35	90	72	50	M10
0821401170	3.94 inch	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