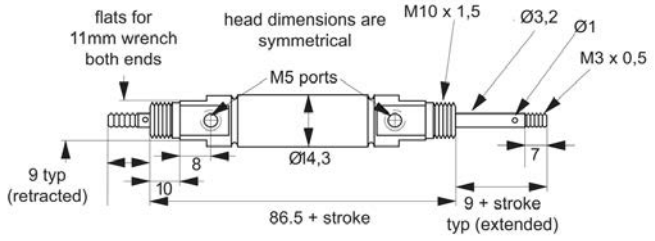
Anti - Stiction Air Cylinder - 9.3mm
double rod end



L4506

Material
Carbon/graphite piston. Stainless steel rod (AISI 303). Stainless steel outer tube (AISI 304). Nickel plated aluminium cylinder heads and piston/rod coupling. Graphite filled bronze pivot bushing.

Technical Notes
Ultra low friction. Corrosion resistant, no need for lubrication.
Operating temperature range: -55°C to +150°C
For applications operating below -20°C please add -ET to part number. Suitable for vacuum actuation.
Piston area = 67.7mm^2
Force output at max pressure on rear side = 47.4N
Force output at max pressure on rod side = 42N
Piston friction as % of load (without side load) = 1% - 2%.
Min pressure differential required for actuation = < 0.0015 MPa
Force factor rear side = 67.7N
Force factor rod side - 60N
(factor x pressure (MPa) = force output (N))
*max leak measured at pressure of 0.34 MPa.

Order No.	Bore dia.	Stroke	Length	Pressure MPa max.	Leak rate by piston SL/min max.	Leak rate by rod SL/mm max.	Weight g
L4506.012	9.3	12.5	99	0.7	1.16	2.2	36.39
L4506.025	9.3	25.0	111.5	0.7	1.16	2.2	41.08
L4506.037	9.3	37.5	124	0.7	1.16	2.2	45.76
L4506.050	9.3	50.0	136.5	0.7	1.16	2.2	50.45
L4506.075	9.3	75.0	161.5	0.7	1.16	2.2	59.83
L4506.100	9.3	100.0	186.5	0.7	1.16	2.2	69.20
L4506.125	9.3	125.0	211.5	0.7	1.16	2.2	78.58
L4506.150	9.3	150.0	236.5	0.7	1.16	2.2	87.95
L4506.175	9.3	175.0	261.5	0.7	1.16	2.2	97.33
L4506.200	9.3	200.0	286.5	0.7	1.16	2.2	106.70
L4506.225	9.3	225.0	311.5	0.7	1.16	2.2	116.08
L4506.250	9.3	250.0	336.5	0.7	1.16	2.2	125.45
L4506.275	9.3	275.0	361.5	0.7	1.16	2.2	134.83
L4506.300	9.3	300.0	386.5	0.7	1.16	2.2	144.20