

Lock unit

UB Series

● Applicable shaft diameter: ø8, ø16

RoHS

Specifications

1 MPa ≈ 145.0 psi, 1 MPa = 10 bar

Item		UB-08S	UB-16S	UB-08W	UB-16W
Working fluid		Compressed air			
Max. working pressure	MPa	1.0 (≈145 psi, 10 bar)			
Min. working pressure	MPa	0.3 (≈44 psi, 3 bar)			
Proof pressure	MPa	1.6 (≈232 psi, 16 bar)			
Ambient temperature	°C	-5 (23°F) to 60 (140°F) (no freezing)			
Holding force	N	180	450	180	450
Lubrication		Not required (use turbine oil class 1 ISO VG32 if necessary for lubrication)			
Lock direction		Uni-direction		Bi-direction	
Applicable shaft diameter and tolerance	mm	ø8 $^{+0.05}_{-0.10}$	ø16 $^{+0.10}_{-0.15}$	ø8 $^{+0.05}_{-0.10}$	ø16 $^{+0.10}_{-0.15}$
Weight	g	99	367	160	578

How to order

UB - 08 S

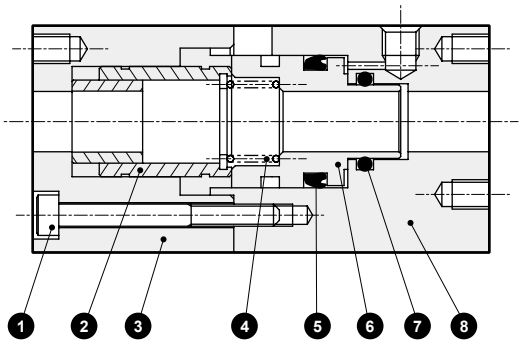
Ⓐ Applicable shaft diameter

Ⓑ Lock direction

Code	Description
Ⓐ Applicable shaft diameter	
08	ø8
16	ø16
Ⓑ Lock direction	
S	Uni-direction
W	Bi-direction

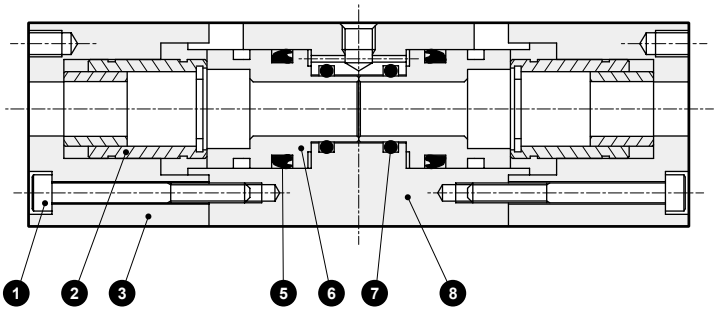
Internal structure diagram and parts list

● UB-08/16S



Cannot be disassembled

● UB-08/16W

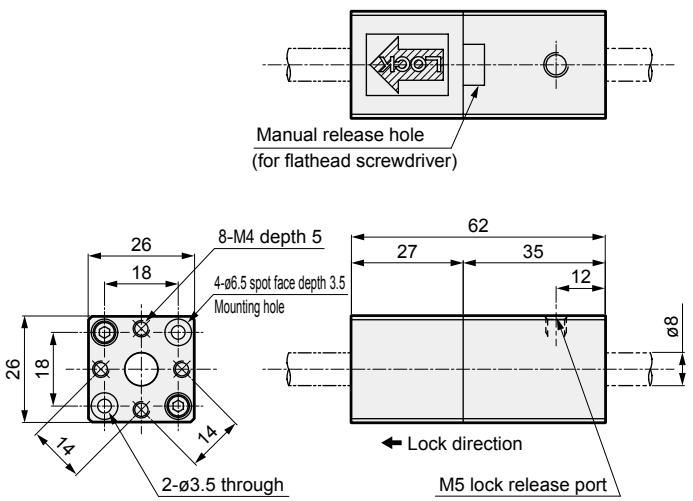


Cannot be disassembled

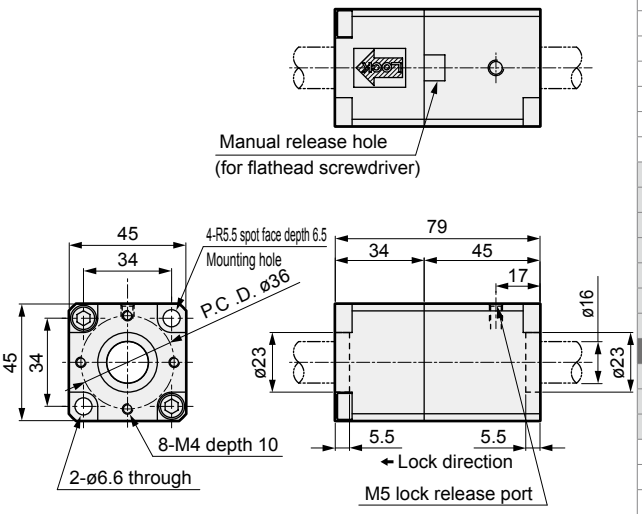
No.	Part name	Material	Remarks	No.	Part name	Material	Remarks
1	Hexagon socket head cap screw	Stainless steel		5	Piston packing	Nitrile rubber	
2	Clamper	−		6	Piston	Aluminum alloy	Alumite
3	Clamper case	Aluminum alloy	Hard alumite	7	O-ring	Nitrile rubber	
4	Spring	Steel	Electrodeposition	8	Body	Aluminum alloy	Hard alumite

Dimensions

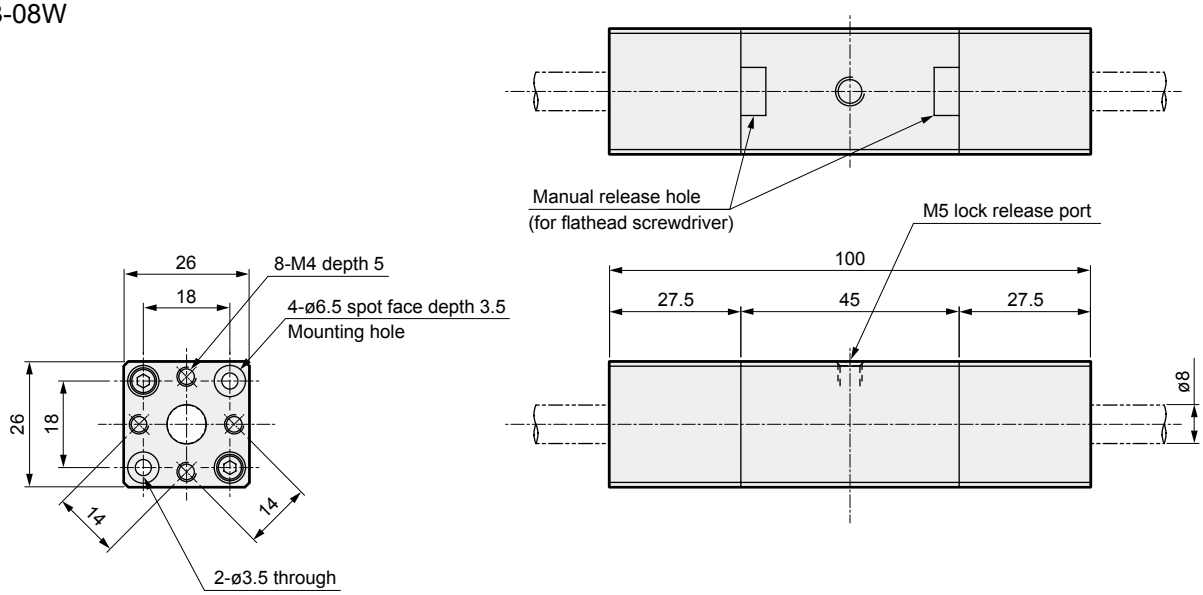
● UB-08S



● UB-16S



● UB-08W



● UB-16W

