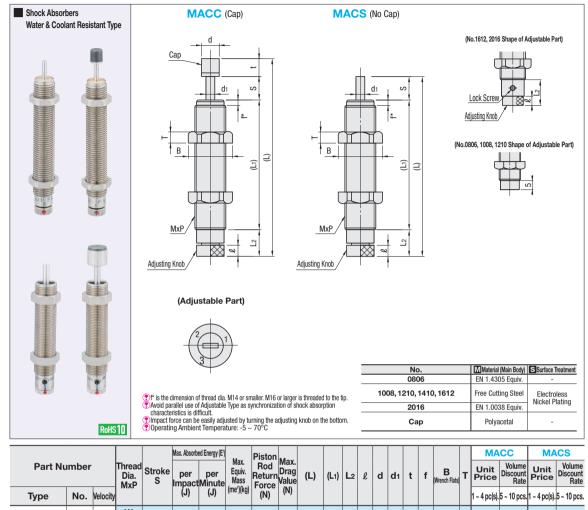
# **Shock Absorbers**

# Water & Coolant Resistant Type



M8 9 or Less 64 (59) 12.7 (11) 1.4 15 47 6 3 6 2.5 5 2.3 **)806** Μ 6 36.7 670 x 0.75 L 1008 M 1.47 M10 10 79.5 (73.2) 9 or 14.2 (13) 8 58.8 637 56.7 8.5 3.5 6 2.4 6.3 1.6 х 1.0 1.76 Less н 2.5 2.94 MACC L. M12 30 1470 90.6 (82.6) 13 16.2 (14) 1210 M (Cap) 10 98 67.6 5 8 3.5 8 1.5 х 1.0 4.9 or Less н 4 3.92 30 35 L 1410 M M14 14 108.2 (98.2) 19.6 (17) 147 10 1813 77.8 10.4 5 10 4 10 1.7 х 1.5 5.88 MACS or Less н 4.5 (No Cap) L M16 50 20 122.7 20 (19) 1612 M 12 9.8 235 2646 81.2 14.5 4.5 13.5 5 15 x 1.5 (107.7) or Less н 10 L 300 M20 33 137 27.7 (24) 200 or Less 2016 M 29.4 343 16 3528 86 18 4 18 6 17 x 1.5 (120) н 120

L Dimension values in ( ) are for MACS Type.

Collision Velocity Type	Collision Velocity Range	Max. Operating Cycle
Low Speed L	0.3~1m/s	
Medium Speed M	0.3~2m/s	60cycle/min*
High Speed H	0.7~3m/s	
<u></u>		

Tor No.0806, max. operating cycle should be 45cycle/min.

Ordering Part Number

Features of Water & Coolant Resistant Type

### · Having a structure of protection seals for fluid intrusions makes usable in wet conditions, suitable for machine tools and related applications.

• Replacement is possible with Standard Type since mounting 0.D. screw size is the same. Suitable for water-soluble cutting oil A1 [JIS K2241-2000], but also available for water-insoluble cutting oil or under wet conditions. (In case of using water instead of water-soluble cutting oil, the durability may be inferior.)

## Durability Test Data (Ref.)

**Test Condition** 

· Coolant ①: JIS A1 Emulsion Water-Soluble Cutting Oil (Yushiro Chemical Industry Co., Ltd. Yushiroken FGE330 Dilution 20 times)

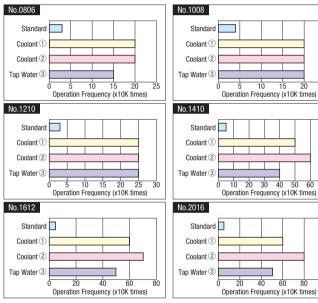
 Coolant<sup>(2)</sup>:JIS N1 Water-Insoluble Cutting Oil (Yushiro Chemical Industry Co., Ltd. Yushiro Oil CG8)



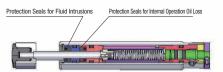
.

· Load: Ø40 Air Cylinder (Cylinder Propulsion only)

 Dripping: 4cc/min. Collision Cycle: 30/min.



#### Inner Structure



Test Scene



#### App. Example Rotating Table Stopper [Dedicated Machining Equipment]

	A	
		•
A SSEA	659 C	

 Durability results may vary depending on each test condition. Testing fluid or volume may affect the results. Prior tests are recommended to obtain appropriate results.

• When used in environments where the piston rods are kept from fluid contacts, the internal oil may be lost by premature leakage.

# kgf • m=Jx0.101972 kgf=Nx0.101972

MACC1008H

Example