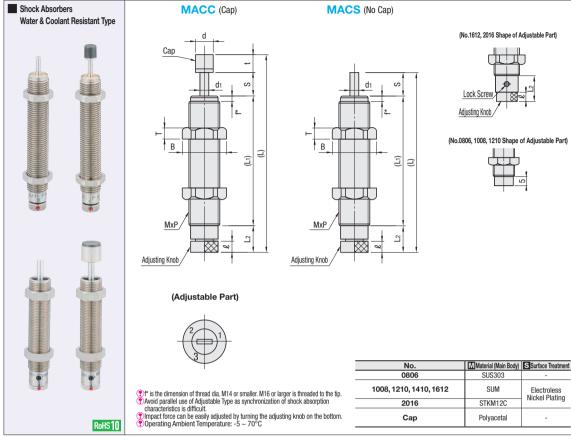
Shock Absorbers

Water & Coolant Resistant Type



Part Number					Max. Absorbed Energy (E')			Piston Rod												MACC		MACS	
			Thread Dia. MxP	Stroke		per Minute	Equivalent Mass	Return	Drag Value	(L)	(L1)	L2	l	d	d1	t	f	B (Wrench Flats)	т	Unit Price	Volume Discount Rate	Unit Price	Volum Discour Rat
Туре	No.	Velocity	l		(J)	(J)	(me')(kg)	(N)	(N)										. [5 ~ 10 pcs.		
	0806	М	M8 x 0.75	6	1.4	36.7	15	9 or Less	670	64 (59)	47	6	3	6	2.5	5	2.3	12.7 (11)	2				
	1008	M	M10 x 1.0	8	1.47	58.8	10	9 or Less	637	79.5 (73.2)	56.7	8.5	3.5	6	2.4	6.3	1.6	14.2 (13)	3				
		H					2.5			<u> </u>								` ′	Н				
(Cap)	1210	M	M12 X 1.0	10	4.9	98	30	13 or Less	1470	90.6 (82.6)	67.6	5	-	8	3.5	8	1.5	16.2 (14)	4				
MACS (No Cap)	1410	L M H	M14 x 1.5	10	3.92 5.88	147	30 35 4.5	14 or Less	1813	108.2 (98.2)	77.8	10.4	5	10	4	10	1.7	19.6 (17)	6				
(Νο σαρ)	1612	M H	M16 x 1.5	12	9.8	235	50 10	20 or Less	2646	122.7 (107.7)	81.2	14.5	4.5	13.5	5	15	-	20 (19)	6				
	2016	M H	M20 x 1.5	16	29.4	343	300 200 120	33 or Less	3528	137 (120)	86	18	4	18	6	17	-	27.7 (24)	8				

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	



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

■ Features of Water & Coolant Resistant Type

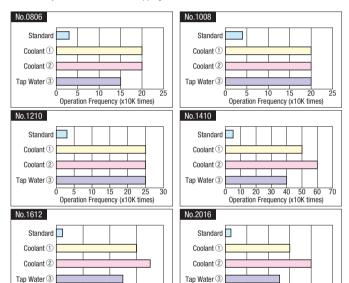
- Having a structure of protection seals for fluid intrusions makes usable in wet conditions, suitable for machine tools and related applications.
- Replacement is possible with Standard Type since mounting O.D. screw size is the same.
- Suitable for water-soluble cutting oil A1 [JIS K2241-2000], but 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.)

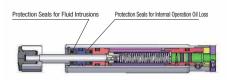
Test Condition

- Coolant ①:JIS A1 Emulsion Water-Soluble Cutting Oil (Yushiro Chemical Industry Co., Ltd. Yushiroken FGE330 Dilution 20 times)
- Coolant②:JIS N1 Water-Insoluble Cutting Oil (Yushiro Chemical Industry Co., Ltd. Yushiro Oil CG8)
- ③: Tap Water
- · Load: Ø40 Air Cylinder (Cylinder Propulsion only)
- Collision Cycle: 30/min. Dripping: 4cc/min.

Operation Frequency (x10K times)



Inner Structure

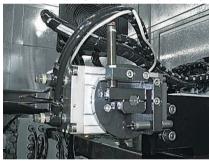


Test Scene



App. Example

Rotating Table Stopper [Dedicated Machining Equipment]



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- 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.

Operation Frequency (x10K times)

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