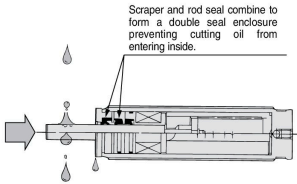


Shock Absorber: Coolant Resistant Type

RBL Series

Can be operated in an environment exposed to non-water soluble cutting oil. (Mainly JIS Class 1 equivalent)



Replacement part no./
Cap (Resin part only)

RBC 10 C

Applicable model

10 RBL1006, 1007	20 RBL2015
14 RBL1411, 1412	27 RBL2725

Cap

Cap cannot be mounted for basic type.
Please place an order with cap type from the beginning.

Specifications

Model	Basic type	RBL1006	RBL1007	RBL1411	RBL1412	RBL2015	RBL2725
Specifications	With cap	RBL1006	RBL1007	RBL1411	RBL1412	RBL2015	RBL2725
Max. energy absorption (J) ^(Note)		3.92	5.88	14.7	19.6	58.8	147
Thread O.D. size		M10 x 1.0		M14 x 1.5		M20 x 1.5	M27 x 1.5
Stroke absorption (mm)		6	7	11	12	15	25
Collision speed (m/s)		0.05 to 5					
Max. operating frequency (cycle/min)		70	70	45	45	25	10
Max. allowable thrust (N)		422	422	814	814	1961	2942
Ambient temperature range (°C)		-10 to 80					
Effective atmosphere		Non-water soluble cutting oil					
Spring force (N)	Extended	4.22	4.22	8.73	8.73	11.57	22.16
	Retracted	6.18	6.86	14.12	14.61	17.65	38.05
Weight (g)	Basic type	26	26	70	70	150	365
	With cap	28	28	75	75	165	410

(Note) The maximum energy absorption and maximum operating frequency are measured at room temperature (20 to 25°C).

How to Order

RBL C 14 12 []

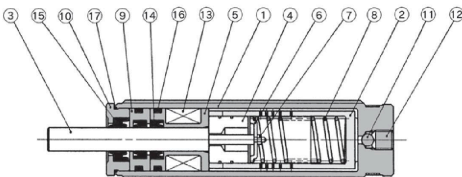
Shock absorber
Coolant resistant type
Type
Option

Symbol	Hex. nut	Stopper nut
Nil	2 pcs.	—
J	3 pcs.	—
N	—	—
S	2 pcs.	1 pc.
SJ	3 pcs.	1 pc.
SN	—	1 pc.

• O.D. thread size/Stroke

Symbol	O.D. thread size	Stroke	Symbol	O.D. thread size	Stroke
1006	10 mm	6 mm	1412	14 mm	12 mm
1007	10 mm	7 mm	2015	20 mm	15 mm
1411	14 mm	11 mm	2725	27 mm	25 mm

Construction



Component Parts

No.	Description	Material	Treatment
1	Outer tube	Rolled steel	Gray coated
2	Inner tube	Special steel	Heat treated
3	Piston rod	Special steel	Electroless nickel plated
4	Piston	Special steel	Heat treated
5	Bearing	Special bearing material	
6	Spring guide	Carbon steel	Zinc chromated
7	Lock ring	Copper	
8	Return spring	Piano wire	Zinc chromated
9	Seal holder	Copper alloy	
10	Stopper	Carbon steel	Zinc chromated
11	Steel ball	Bearing steel	
12	Set screw	Special steel	
13	Accumulator	NBR	Foam rubber
14	Rod seal	NBR	
15	Scraper	NBR	
16	Gasket	NBR	
17	Gasket	NBR	Only RBL(C)2015, 2725