

Compact Guide Cylinder (High Power Cylinder) MGZ63-Q9021-50

SMC CORPORATION

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 URL: <http://www.smcworld.com>

Feature 1: This product is an adaptation of a series MGZ mechanism to MGP-XC69 (Compact Guide Cylinder with shock absorber), resulting in approximately twice the yield in thrust force.

Note: Please compare with MGP and Q, which have an equivalent tube bore size.

Feature 2: Non-rotating accuracy is equivalent to that of MGP.

Feature 3: Built-in shock absorber. (RBC2015S)

Feature 4: Attached adjustable hexagon socket head screw kit and stop pin.

Specifications

Cylinder specifications

Action	Double acting
Fluid	Air
Bore size	Ø63mm
Stroke	50mm
Proof pressure	1.5MPa
Maximum operating pressure	1.0MPa
Minimum operating pressure	0.08MPa
Ambient and fluid temperature	-10 to 60°C (No freezing)
Lubrication	Not required (Non-lub)
Piston speed	50 to 700mm
Stroke length tolerance	$^{+1.0}_0$ mm
Bumper	Rubber bumper (Both sides)
Thread tolerance	JIS class 2
Mounting accessory	Front flange type

Auto switch specifications (D-Y59BL)

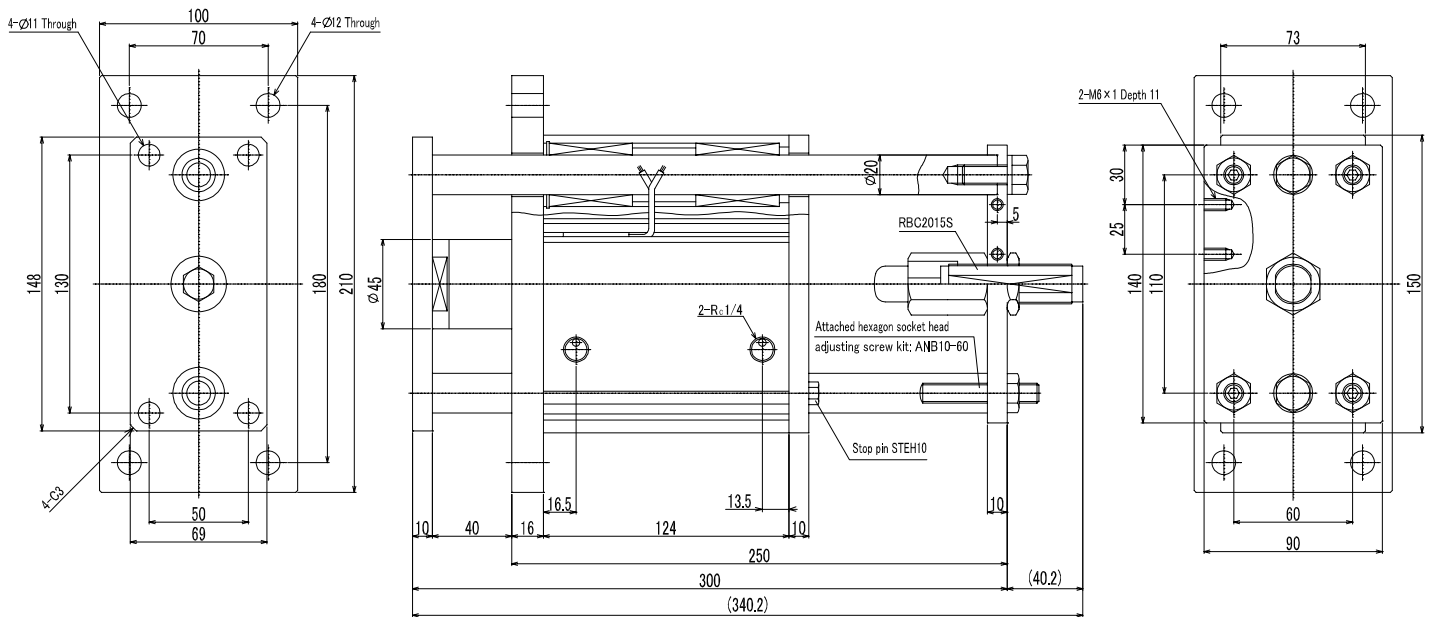
Load voltage	24VDC (10 to 28VDC)
Load current	5 to 40mA
Internal voltage drop	4V or less
Leakage current	0.8mA or less (At 24VDC)
Operating time	1ms or less
Shock resistance	1000m/s ²

Shock absorber (RBC2015S)

Maximum energy absorption	58.8J	
Stroke absorption	15mm	
Impact speed	0.05 to 5m/s	
Maximum operation	25cycles/min	
Maximum allowable thrust energy	1961N	
Spring force	Extended	8.34N
	Compressed	20.50N

Note 1) Refer to our Best Pneumatics catalog for more detailed auto switch and shock absorber specifications.

Dimensions



Theoretical Output [N]

Operating direction	Piston area mm ²	Operating pressure MPa									
		0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
OUT	4060	406	812	1218	1624	2030	2436	2842	3248	3654	4060
IN	1527	153	305	458	611	764	916	1069	1222	1374	1527

Caution

To ensure the safest possible operation of this product, please be sure to read thoroughly the "Safety Instructions" in our "Best Pneumatics" general catalog before use.