

High Power Cylinder

With greater water resistance (Scraper) +
 stable lubrication function (Lub-retainer)

Series **RHC-XC93** □

ø32, ø40

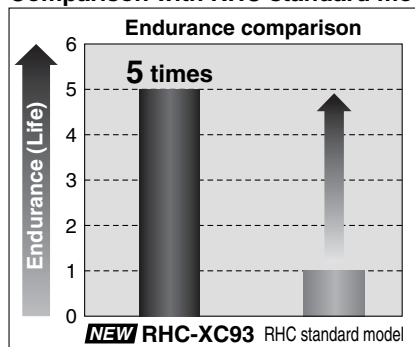


5 times stronger against water (liquids) than the standard model (Series RHC)

Scraper

Equipped with the greater water resistant scraper (Fluororubber). This prevents water from entering, which improves endurance.

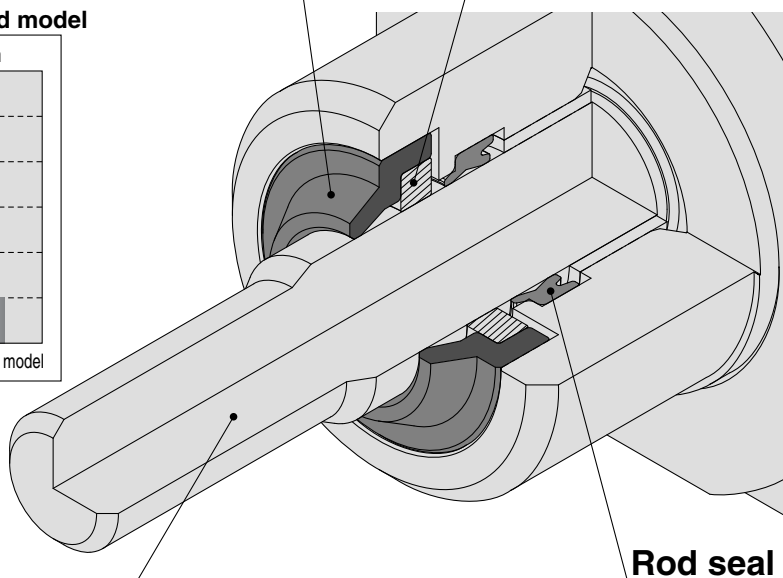
Comparison with RHC standard model



* The endurance test is conducted in accordance with SMC test conditions.

Lub-retainer

The Lub-retainer creates grease coating around the piston rod, which improves lubrication.



Piston rod

Stainless steel can be selected for the piston rod and rod end nut. (Series RHC-XC93S)

Rod seal

Fluororubber is used for the rod seal on the edges, cylinder tube gasket, etc.

■ Smooth cushioning

Compatible with max. speed (3000 mm/s) with light loads ↔ medium speed with heavy loads

■ The capacity to absorb 10 to 20 times more energy than general purpose cylinders.

■ The interchangeability with standard model for mounting a workpiece or cylinder body.

Application example

Machine tool

Used for the door opening and closing section.



Series **RHC-XC93** □

How to Order

High Power Cylinder

RHC **B** **32** - **H7BAL** - **XC93** **S**

High power cylinder

Mounting style

B	Basic style
L	Axial foot style
F	Rod side flange style
G	Head side flange style

Bore size

32	32 mm
40	40 mm

Cylinder stroke (mm)

Refer to "Stroke" below.

Piston rod,
Rod end nut material

—	Standard (Carbon steel)
S	Stainless steel

Water resistance +
Stable lubrication function

Number of auto switches

—	2 pcs.
S	1 pc.
n	"n" pcs.

Auto switch

—	Without auto switch (Built-in magnet)
---	---------------------------------------

* Same as the standard model. Refer to the standard model for details.

Specifications

Bore size (mm)	32	40
Fluid	Air	
Proof pressure	1.5 MPa	
Maximum operating pressure	1.0 MPa	
Minimum operating pressure	0.05 MPa	
Ambient and fluid temperature	-10 to 60°C (No freezing)	
Piston speed	50 to 3000 mm/s	
Cushion	Air cushion	
Maximum energy absorption (J)	21	33
Effective cushioning stroke (mm)	80	80
Lubrication	Not required (Non-lube)	
Stroke length tolerance	Up to 1000 st: $^{+1.4}_0$, 1001 to 1500 st: $^{+1.8}_0$	
Mounting	Basic style, Axial foot style, Rod/Head side flange style	

Stroke

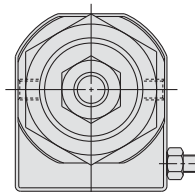
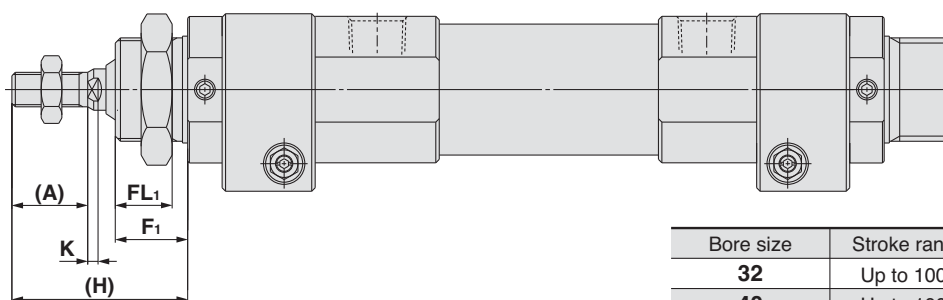
Unit: mm

Bore size	Minimum stroke (Recommended) Note 1)	Standard stroke Note 2)	Maximum stroke
32	250	Up to 1000	1500
40	250	Up to 1000	1500

Note 1) Strokes shorter than the recommended minimum stroke (1 to 249 st) can be manufactured, but cushion capability may not be satisfied since the effective cushioning stroke for this cylinder is long.

Note 2) Strokes exceeding the standard stroke length is not subject to the guarantee.

Dimensions



(mm)

Bore size	Stroke range	A*	F ₁	FL ₁	H*	K
32	Up to 1000	22	21	14.5	51	3
40	Up to 1000	24	22.5	16.5	54.5	3

Note) Other dimensions are the same as the standard model. (*: Same as the standard model)

SMC Corporation

SMC CORPORATION
Akihabara UDX 15F, 4-14-1, Sotokanda, Chiyoda-ku, Tokyo 101-0021, JAPAN
Phone: 03-5207-8249 FAX: 03-5298-5362
SMC CORPORATION All Rights Reserved

European Marketing Centre (EMC)
Zuazobidea 14, 01015 Vitoria
Tel: +34 945-184 100 Fax: +34 945-184 124
URL <http://www.smc.eu>