



P.G.Information (Specialized product)

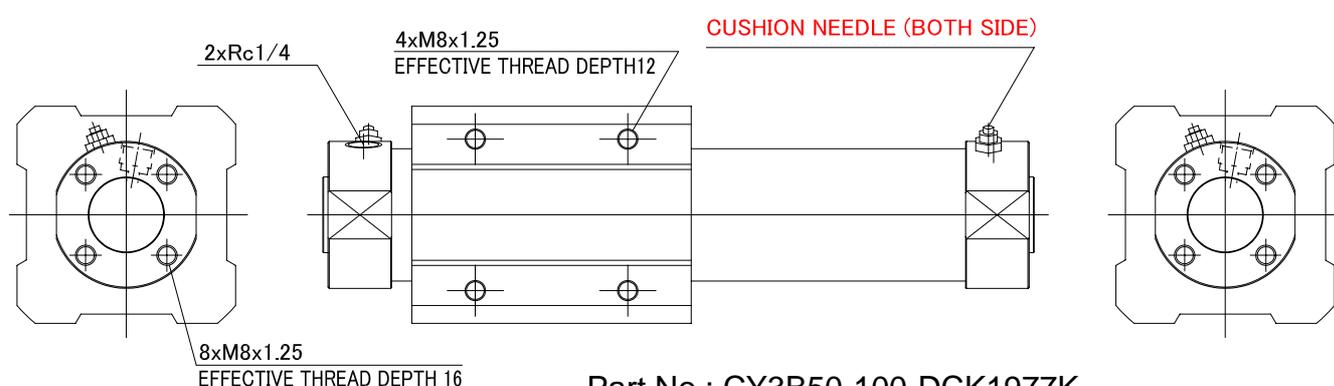
Magnetically Coupled Rodless Cylinder with Air Cushion

CY3B50-DCK1977K

SMC CORPORATION
4-14-1, SOTO-KANDA, CHIYODA-KU,
TOKYO 101-0021, JAPAN
URL: <http://www.smcworld.com>

Feature 1: Air cushion equipped with rodless cylinder

Having air cushion mechanisms on both sides of the head covers allows for absorbing more impact than a rubber cushion type and reduce noise generated by oscillation.



Specifications

I.D.	Ø50 mm	
Fluid	Air	
Actuation	Double acting	
Max. operating pressure	0.7 MPa	
Min. operating pressure	0.12 MPa	
Proof pressure	1.05 MPa	
Piston speed	50 to 500 mm/s	
Ambient and fluid temperature	- 10 to 60°C (No freezing)	
Stroke	Refer to "How to Order"	
Stroke tolerance	0 to 250 st	$\begin{matrix} +1.0 \\ 0 \end{matrix}$ mm
	250 to 1000 st	$\begin{matrix} +1.4 \\ 0 \end{matrix}$ mm
Cushion	Air cushion	
Magnetic holding force	1471 N	
Lubrication	No need (Non-lube)	
Port size	Rc1/4 *1)	

*1) For other types of threads (NPT, G), please consult with our sales representatives.

How to Order

CY3B50-**100**-DCK1977K

Standard stroke: mm

Refer to "Standard Stroke" below.

Standard stroke: mm

I.D. : Ø50mm	100, 150, 200, 250, 300, 350, 400, 450, 500, 600, 700, 800, 900, 1000
--------------	---

*2) Intermediate stroke and long stroke are available from 100 to 2,000 mm in increments of 1 mm.

Please contact SMC if the stroke exceeds 2,000 mm.

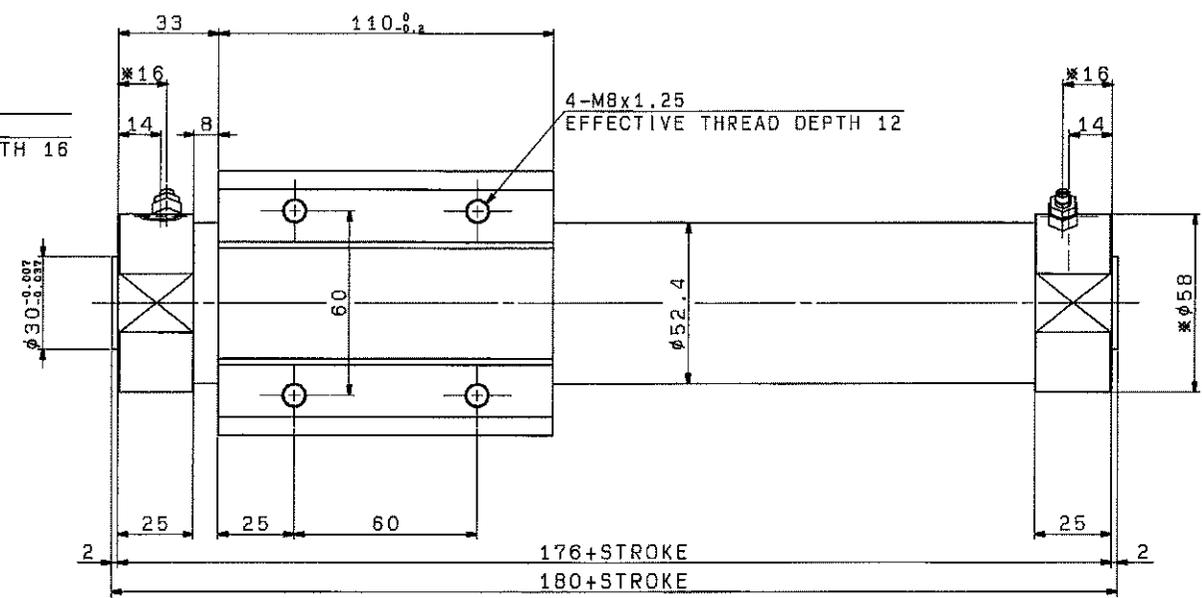
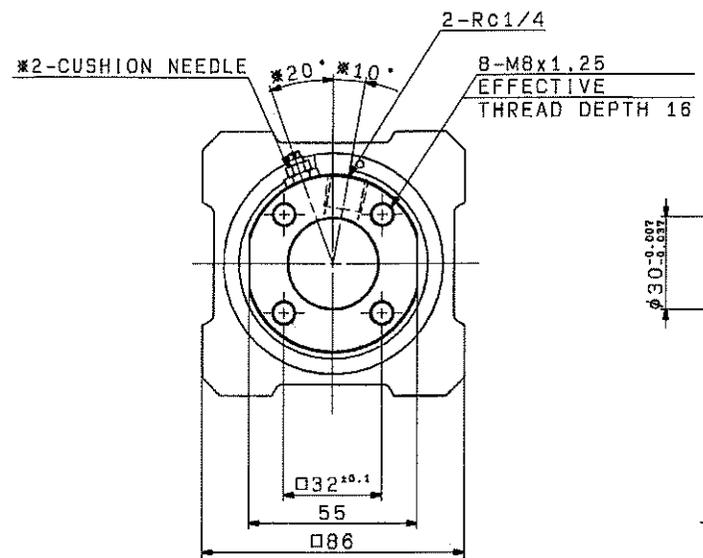
Dimensions: mm (Refer to the drawing attached to the last page)



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

©2007 SMC Corporation All Right Reserved

ON 9A0



SPECIFICATION
 1) AIR CUSHION.

MAGNETIC HOLDING FORCE IS 1471N.
 (BASE CYLINDER TYPE CY3B50-*)

SAME AS SMC STANDARD SPECIFICATIONS
 EXCEPT THE PARTS MARKED *.



SPECIFICATION	
CYLINDER BORE DIA.	50mm
CYLINDER STROKE	—
STROKE TOLERANCE	—
CUSHION	* AIR CUSHION
MOUNTING	—
MAX. OPERATION PRESS.	0.7MPa
TEST PRESS.	1.05MPa
OPERATING TEMP.	-10~60℃
CYLINDER ACCESSORY	—

REV	QTY	DESCRIPTION	DATE PREPARED	REV NO	FINISH	PAINT	PACKING	MATERIAL	MODEL	QTY
TOLERANCES JIS B 0405 RANGE (mm) GRADE 0.5<D<3 0.05 0.1 0.2 3<D<8 0.05 0.1 0.3 8<D<30 0.1 0.2 0.5 30<D<220 0.15 0.3 0.8 120<D<400 0.2 0.5 1.2 400<D<1000 0.3 0.8 2 1000<D<2000 0.5 1.2 3					SCALE		MATERIAL		THIRD ANGLE	
DRAWN			DATE		FREE		MATERIAL		REVISION	
DESIGNED			DATE		RODLESS CYLINDER		MATERIAL		REVISION	
CHECKED			DATE		DWG NO		MATERIAL		REVISION	
APPROVED			DATE		© CY3B50-* -DCK1977K		MATERIAL		REVISION	
DATE			DATE		DWG ID		MATERIAL		REVISION	

FINISH: 表面処理 / PAINT: 塗装 / PACKING: 包装区分
 MATERIAL: 材質 / MATERIAL SIZE: 材料寸法

DWG NAME

DWG REC

DWG ID BA14061400

SMC Corporation