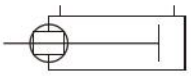
SLIM
SQUARE ROD CYLINDERS

Symbol



Specifications

Item \ Bore size mm [in.]	20, 25 [0.787, 0.984]	32, 40 [1.260, 1.575]	50, 63 [1.969, 2.480]
Operation type	Double acting type		
Media	Air		
Mounting type	Basic type, Foot type, Flange type, Pivot type		
Operating pressure range MPa [psi.]	0.1～0.9 [15～131]		0.05～0.7 [7～102]
Proof pressure MPa [psi.]	1.32 [191]		1.03 [149]
Operating temperature range °C [°F]	0～70 [32～158]		
Operating speed range mm/s [in./sec.]	50～700 [2.0～27.6]		50～500 [2.0～19.7]
Cushion	Fixed type (Rubber bumper)		Variable type (Stroke15mm [0.59in.])
Lubrication	Not required		
Non-rotating accuracy	±1.5°	±1°	
Port size Rc	1/8		1/4

Bore Size and Stroke

mm

Bore size	Standard strokes	Maximum stroke	Maximum available stroke
20	25 50 75 100 125 150	150	500
25			
32			
40			
50	25 50 75 100 150		
63			

Remarks: 1. Stroke tolerance $^{+1}_{0}$ [$^{+0.039in.}_{0}$]
2. For non-standard strokes, consult us.
3. The minimum operating pressure when the stroke is over the maximum stroke is 0.2MPa [29psi.].

Order Codes

DA L □ 20×50 – □ – □ – □ – □ □ □

Slim double acting cylinder

Square rod cylinder

Bellows
Blank — No bellows
J —— With bellows
● (Made to order, available at ϕ25 and ϕ40 only.)

Bore size
×
Stroke

Head cover specification
Blank — Standard head
A —— Short head

Mounting type
Blank — Basic type
1 —— Double foot mounting type
3 —— Flange mounting type
8B —— Pivot mounting type with bushing (Available at ϕ50 and ϕ63 only)
8E —— Pivot mounting type with supporting bracket (with pin) (Available at ϕ20～40 only)
8B-8E — Pivot mounting type with bushing and supporting bracket (Available at ϕ50 and ϕ63 only)
● Mounting brackets are included at shipping. (Except pivot mounting type and pivot mounting type with bushing)

Rod end accessory
Blank — No rod end accessory
I —— I type knuckle
Y —— Y type knuckle (with pin)
● For the cylinder joint and cylinder rod end, see p.1568.

Lead wire length
(Applies to all except **CS□F**)
A —— 1000mm
B —— 3000mm

Sensor switch (for cylinders with sensor switches)
Blank — No sensor switch

ZG530	2-lead wire Solid state type	with indicator lamp	DC10～28V
ZG553	3-lead wire Solid state type	with indicator lamp	DC4.5～28V
CS3M	Reed switch type	with indicator lamp	DC10～30V AC85～230V
CS4M	Reed switch type	with indicator lamp	DC10～30V AC85～115V
CS5M	Reed switch type	without indicator lamp	DC3～30V AC85～115V
CS2F	Reed switch type	with indicator lamp	AC85～230V
CS3F	Reed switch type	with indicator lamp	DC10～30V
CS4F	Reed switch type	with indicator lamp	DC10～30V
CS5F	Reed switch type	without indicator lamp	DC3～30V

● For details of sensor switches, see p.1544.
● **CS□F** comes with DIN connector. All others are grommet type.

Number of sensor switches
1 —— With 1 sensor switch
2 —— With 2 sensor switches
3 —— With 3 sensor switches
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