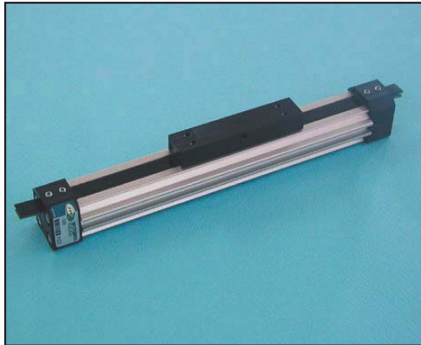


Rodless Cylinder

Series TCRL

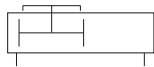
Bore Size : ϕ 16, ϕ 20, ϕ 25, ϕ 32, ϕ 40,
 ϕ 50, ϕ 63, ϕ 80



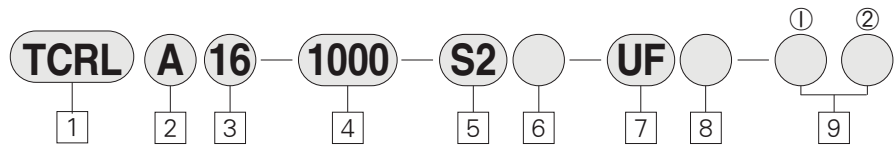
- High rigidity, long service life
- Easy maintenance
- Various bore size
- Suitable for the widest range of operating speeds(100~2,000mm/sec)

< Symbol >

Double Acting Type



How to Order



① TPC Rodless Cylinder
(Built in Magnet)

② Guide Type
A : Inside Guide
B : Outside Guide

③ Bore Size
16 : 16mm
20 : 20mm
25 : 25mm
32 : 32mm
40 : 40mm
50 : 50mm
63 : 63mm
80 : 80mm

④ Stroke
Max.5,000mm

⑤ Auto Switch
Blank : Non-Switch
S2 : Reed Switch
(DC10V~AC220V a Combined use)
M2 : Mini Reed Switch
(DC10V~170V, AC10V~240V a Combined use)

Bore Size	Switch Type	Model
ϕ 16 ~ ϕ 25	QM/45/EAP	QM-45-LSU-2V
ϕ 32 ~ ϕ 80	QM/33 Reed 240VAC/AC	QM-33

⑥ Number of Auto Switch
Blank : 2 pcs
S : 1 pcs
n : n pcs

⑦ Option
Blank : Non
F : Foot mount(2EA)
C : Center support(2EA)
UF : Carriage bracket front
(1 set)
UR : Carriage bracket rear
(1 set)
S : Swinging bridge
※1) Carriage Bracket
• Front : arm at port side
• Rear : arm at opposite port side
※2) Option UF, UR:unable use C.
※3) Option S:TCRLA type only.

⑧ Number of Option
Blank : 1 set
2 : 2 set
n : n set

⑨ The plural number of option :
① Additional option
② Additional number of option

Specifications

Bore Size	ϕ 16	ϕ 20	ϕ 25 ~ 80
Operation Type	Double Acting Type		
Fluid	Air(Non-Lubrication)		
Operating Pressure Range	1.5 ~ 10kgf/cm ² (0.15 ~ 1MPa)	1 ~ 10kgf/cm ² (0.1 ~ 1MPa)	
Temperature Range · °C(°F)	-5 ~ 60°C(23~140°F)		
Piston Speed	150 ~ 2,000mm/s		100 ~ 2,000mm/s
Cushion	Cushion of Variable Type		
Magnet(For Auto Switch)	Standard		
Support Type	Basic Type		

※ In the case of low temperature at the below 1.5°C, please use the air dryer.

Theoretical Force

(N)

Bore size	Standard Stroke(mm)									
	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
ϕ 16	20	40	60	80	100	120	140	160	180	200
ϕ 20	31	63	94	126	157	188	220	250	280	314
ϕ 25	49	98	147	196	245	294	343	390	441	490
ϕ 32	80	161	241	322	402	482	563	643	724	804
ϕ 40	126	251	377	502	628	754	879	1005	1130	1256
ϕ 50	196	393	589	785	982	1178	1374	1570	1767	1963
ϕ 63	312	623	935	1246	1558	1869	2181	2493	2804	3116
ϕ 80	502	1005	1507	2010	2512	3014	3517	4019	4522	5024