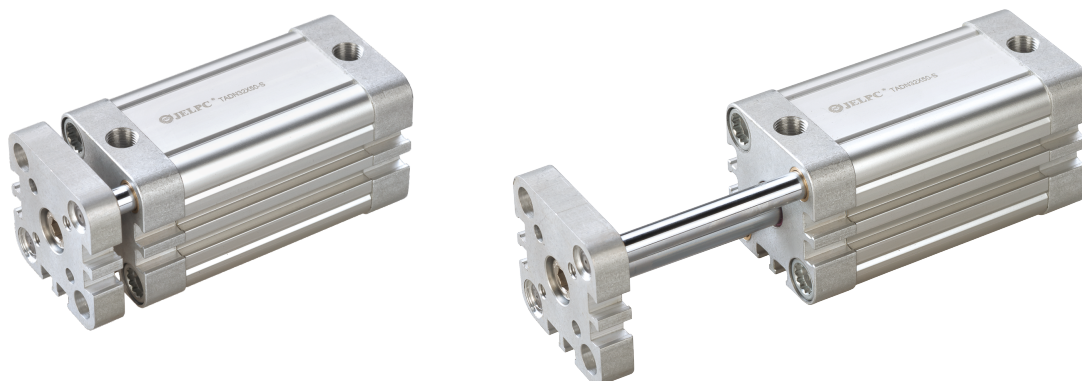


TADN Series

Guide Cylinder



Features

1. TADN series compact cylinder accord with ISO21287 standard.
2. TADN series cylinder with compact structure, derived lots of variety types, and wide range of applications.
3. Both end use rubber gasket to absorb the remaining energy of the high speed movement and the machine cycle.
4. Every ammseby way has large number of accessories, so it is very simple.
5. There are two reverse bar positioning on each side to enhance the load capacity for smoother operation.

Ordering Code

TADN	25	x	30	-	S
↓	↓		↓		↓
Series	Bore		Stroke		Magnet
TADN: Double acting type guide	20				Blank: Without magnet
	25				S: With magnet
	32				
	40				
	50				
	63				
	80				
	100				

* Sensor model JEL-30, please refer to P173 for the specific ordering code.

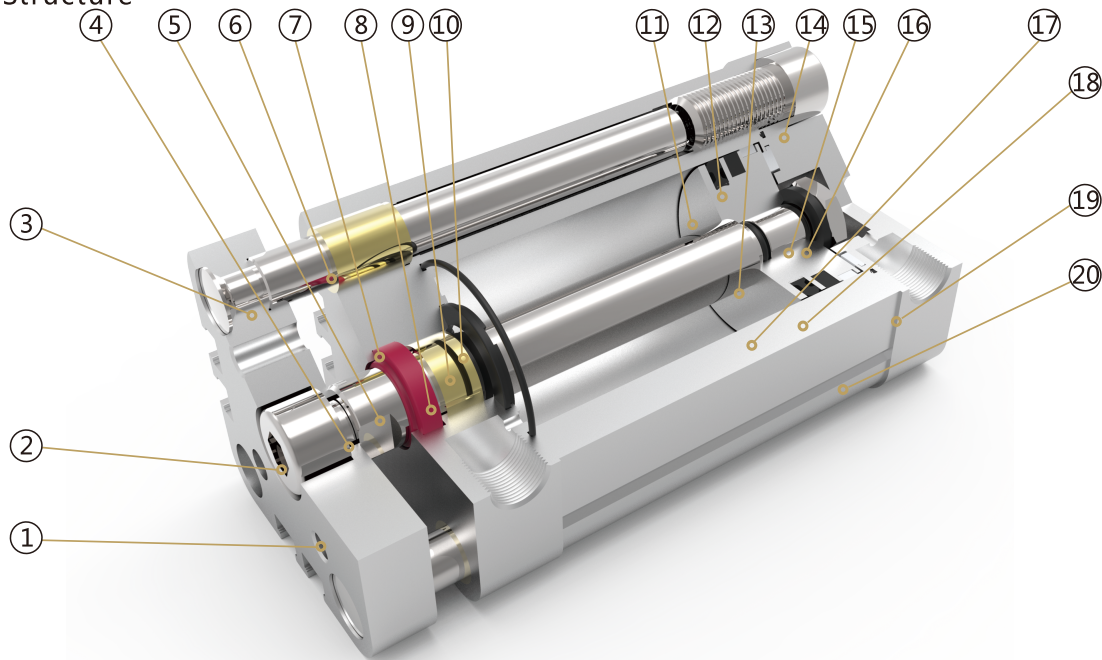
Specification

Bore (mm)	20	25	32	40	50	63	80	100
Operation	Double Acting							
Working Medium	Air							
Standard Stroke	5 ~ 100mm							
Operating Pressure Range	0.1 ~ 1.0MPa							
Proof Pressure	1.5MPa							
Operating Temperature Range	-20 ~ 80°C							
Operating Speed Range	30 ~ 500mm/s							
Port Size	M5x0.8				G1/8			

Stroke

Bore		Standard Stroke	Max. Stroke
ADN/ADNJ ADND	20	5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 90 100	100
	25	5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 90 100 110 120 125 150	150
	32/40	5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 90 100 110 120 125 150 160 175 200	200
	50/63	5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 90 100 110 120 125 150 160 175 200 225 250	250
	80/100	5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 90 100 110 120 125 150 160 175 200 225 250 275 300	300
TADN	20/25/32 40/50/63 80	5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 90 100	100

Internal Structure



Parts

Number	Name	Number	Name
1	Fixed plate	11	C ring
2	Socket head screw	12	Anti-friction seal
3	Guide rod	13	O ring
4	Piston rod	14	Cover screw
5	Dust ring	15	Small gasket
6	Copper tube	16	Hexagon nut
7	Front cover	17	Piston
8	Bearing	18	Magnet
9	Anti-collision gasket	19	Back cover
10	O ring	20	Barrel

Cylinder

Calculation

SI

SI A.

SIB

SQ

DNT

SC/SU

SCT

SC A.

DN

DSN

DN/DSN A.

MA

MAC

MA/MAC A.

MAL

MALC

MAL/MALC A.

SDA

CQ2

TCQ2

ADN

TADN

PPRM

JHL2

JHF2

JHZ2

JHY2

JHC2

JXH

JXQ

JXS

TN

JGP

JSQB

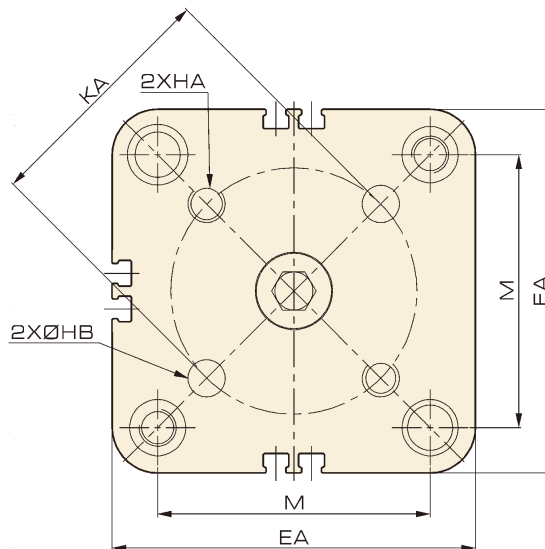
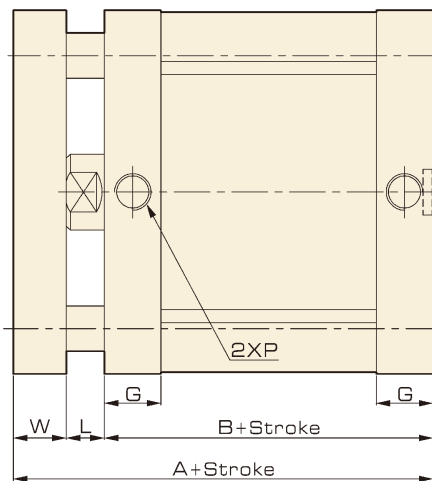
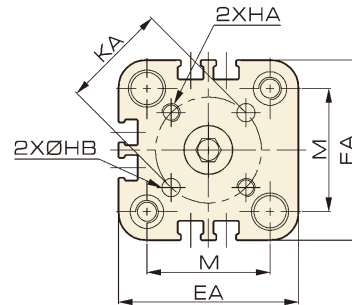
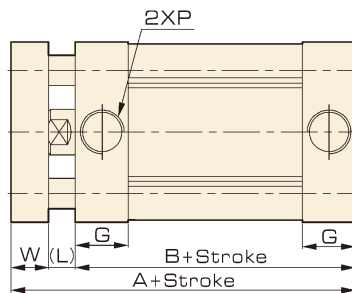
Sensor

TADN Series

Guide Cylinder



Overall Dimension



Dimension

Bore Symbol	Stroke Range (mm)	With Magnet					EA	M	HA	HB	KA	L	W
		A	B	P									
				—	IN	TF							
20	5-100	51	37	M5X0.8			36	22	M4X0.7	4 ^{+0.2 0}	17±0.02	6	8
25	5-100	53	39	M5X0.8			40	26	M5X0.8	5 ^{+0.2 0}	22±0.02	6	8
32	5-100	61	44	G1/8	PT1/8	NPT1/8	47.5	32.5	M5X0.8	5 ^{+0.2 0}	28±0.02	7	10
40	5-100	62	45	G1/8	PT1/8	NPT1/8	55	38	M5X0.8	5 ^{+0.2 0}	33±0.02	7	10
50	5-100	65	45	G1/8	PT1/8	NPT1/8	66	46.5	M6X1.0	6 ^{+0.2 0}	42±0.02	8	12
63	5-100	69	49	G1/8	PT1/8	NPT1/8	78.3	56.5	M6X1.0	6 ^{+0.2 0}	50±0.02	8	12
80	5-100	78	54	G1/8	PT1/8	NPT1/8	96	72	M8X1.25	8 ^{+0.2 0}	65±0.02	10	14
100	5-100	91	67	G1/8	PT1/8	NPT1/8	116	89	M10X1.5	10 ^{+0.2 0}	80±0.02	10	14