

TGI Series Standard Cylinder

According ISO6431、ISO15552 Standard、VDMA24562



TGI63X100



TG1200X300

- Character

Without lubricating: Needn' t lubricating on piston rod for using oiled axletree.

Durability: With oxidative steel tube, cover deal with electrophoresis, it is not only anticorrosive, durable and wear-resistant, but also has compact shape.

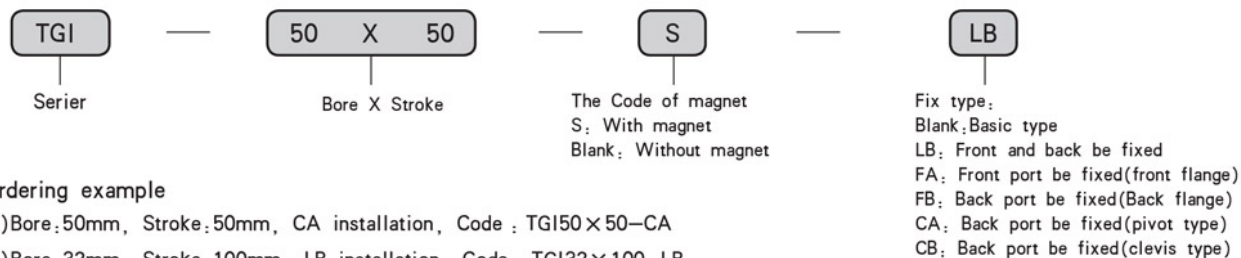
Kinds of mounting: Have kinds of accessories to choose.

Adjustable stroke: Attached with adjustable nut, the operator can adjust the stroke within its stroke range.

■ Graphics Sign



● Ordering Code



■ Ordering example

- 1) Bore: 50mm, Stroke: 50mm, CA installation, Code : TGI50×50-CA
2) Bore: 32mm, Stroke: 100mm, LB installation, Code : TGI32×100-LB

■ Standard Specification

Bore (mm)	32	40	50	63	80	100	125	160	200
Action	Double action type								
Applicable medium	Air								
Pressure range	0.1 ~ 1.0 MPa								
Proof pressure	1.5 MPa								
Temperature range	-10 ~ 60°C								
Speed range	50 ~ 500 mm/s								
Cushion type	Adjustable cushion								
Cushion stroke(mm)	24 mm					32 mm			
Prot Size	G1/8	G1/4		G3/8		G1/2		G3/4	

TGI Series Standard Cylinder

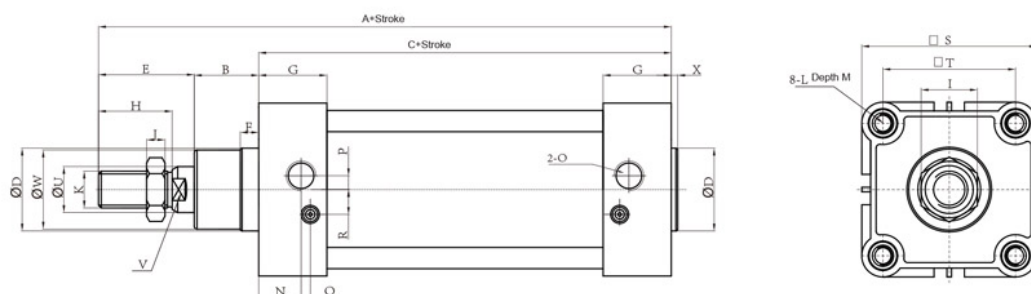
According ISO6431, ISO15552 Standard, VDMA24562

Stroke

Bore (mm)	Standard Stroke																Max. Stroke	Permissible. Stroke						
32	25	50	75	80	100	125	150	160	175	200	250	300	350	400	450	500							1000	2000
40	25	50	75	80	100	125	150	160	175	200	250	300	350	400	450	500	600	700	800				1200	2000
50	25	50	75	80	100	125	150	160	175	200	250	300	350	400	450	500	600	700	800	900	1000		1200	2000
63	25	50	75	80	100	125	150	160	175	200	250	300	350	400	450	500	600	700	800	900	1000		1500	2000
80	25	50	75	80	100	125	150	160	175	200	250	300	350	400	450	500	600	700	800	900	1000		1500	2000
100	25	50	75	80	100	125	150	160	175	200	250	300	350	400	450	500	600	700	800	900	1000		1500	2000
125	25	50	75	80	100	125	150	160	175	200	250	300	350	400	450	500	600	700	800	900	1000		1500	2000
160	25	50	75	80	100	125	150	160	175	200	250	300	350	400	450	500	600	700	800	900	1000		1500	2000
200	25	50	75	80	100	125	150	160	175	200	250	300	350	400	450	500	600	700	800	900	1000		1500	2000

Figure Dimension

Φ32 — Φ200



TGI Series Standard Cylinder

According ISO6431、ISO15552 Standard、VDMA24562

Figure Dimension(mm)

Bore/Code	A	B	C	D	E	F	G	H	I	J	K	L
32	142	16	94	30	32	10	27.5	22	17	6	M10×1.25	M6
40	162	20	108	35	34	10	29.5	24	17	7	M12×1.25	M6
50	178	27	109	40	42	10	32	32	23	8	M16×1.5	M8
63	193	26	125	45	42	10	36	32	23	8	M16×1.5	M8
80	216	35	129	45	52	10	37	40	26	10	M20×1.5	M10
100	232	40	140	55	52	10	39	40	26	10	M20×1.5	M10
125	279	46	160	60	73	11	45	54	40	13.5	M27×2	M12
160	332	60	180	65	92	10	50	72	—	—	M36×2	M16
200	347	70	180	75	97	10	50	72	—	—	M36×2	M16

Bore/Code	M	N	O	P	Q	R	S	T	U	V	W	X
32	9.5	15	G1/8	5	3	6.5	46.5	32.5	12	10	28	4
40	9.5	17.5	G1/4	7	3	7	54	38	16	13	33	4
50	9.5	21	G1/4	7	3	9	64.5	46.5	20	17	38	4
63	9.5	23	G3/8	8	5	9	77	56.5	20	17	40	4
80	11	24	G3/8	10	5	12	95	72	25	22	43	4
100	11	26	G1/2	10	5	14	115	89	25	22	47	4
125	12	22.3	G1/2	13	8	16	142	110	32	27	58	6
160	—	25	G3/4	—	—	—	179	140	40	36	—	6
200	—	25	G3/4	—	—	—	221	175	40	36	—	6

TGID Series Standard Cylinder

According ISO6431、ISO15552 Standard、VDMA24562



● Product characteristics

Without lubricating: Needn't lubricating on piston rod for using oiled bearing.

Cushion: Besides mounted cushion, there is adjustable buffer at the terminal of the cylinder to act smoothly.

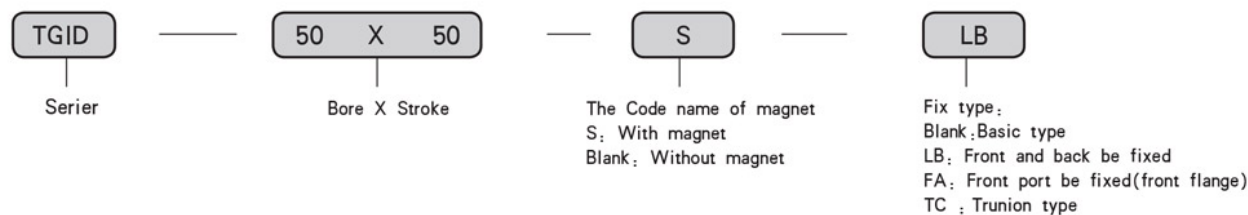
Kinds of mounting: Have kinds of auxiliary components to choose.

With magnet: With permanent magnet on piston, it can touch the magnet switch to track cylinder's action.

■ Graphics Sign



● Ordering Code



■ Ordering example

- 1) Bore: 63mm, Stroke: 50mm, LB installation, Code: TGID63×50—LB
- 2) Bore: 32mm, Stroke: 100mm, FA installation, Code: TGID32×100—FA

■ Standard Specification

Bore (mm)	32	40	50	63	80	100	125	160	200
Action	Double action type								
Applicable medium	Air								
Pressure range	0.1 ~ 1.0 MPa								
Proof pressure	1.5 MPa								
Temperature range	-10 ~ 60°C								
Speed range	50 ~ 500 mm/s								
Cushion type	Adjustable cushion								
Cushion stroke(mm)	24 mm					32 mm			
Prot Size	G1/8	G1/4		G3/8		G1/2		G3/4	

TGID Series Standard Cylinder

According ISO6431、ISO15552 Standard、VDMA24562

Stroke

Bore (mm)	Standard Stroke																Max. Stroke	Permissible. Stroke			
32	25	50	75	80	100	125	150	160	175	200	250	300					200	300			
40	25	50	75	80	100	125	150	160	175	200	250	300					200	300			
50	25	50	75	80	100	125	150	160	175	200	250	300					200	300			
63	25	50	75	80	100	125	150	160	175	200	250	300					200	300			
80	25	50	75	80	100	125	150	160	175	200	250	300					300	400			
100	25	50	75	80	100	125	150	160	175	200	250	300					300	400			
125	25	50	75	80	100	125	150	160	175	200	250	300	350	400	450	500	600	700	800	900	1000
160	25	50	75	80	100	125	150	160	175	200	250	300	350	400	450	500	600	700	800	900	1000
200	25	50	75	80	100	125	150	160	175	200	250	300	350	400	450	500	600	700	800	900	1000

Figure Dimension

Φ32 — Φ200

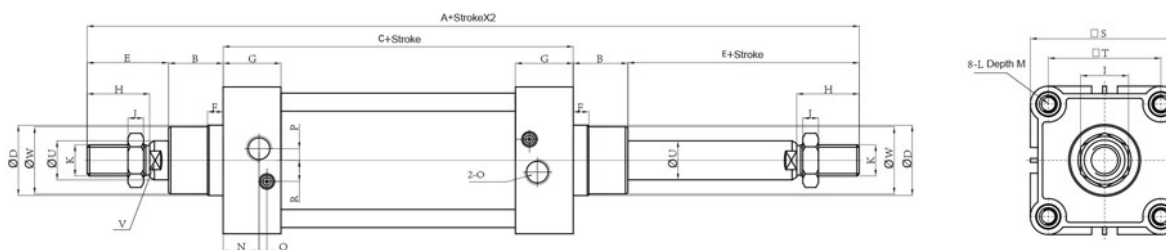


Figure Dimension(mm)

Bore/Code	A	B	C	D	E	F	G	H	I	J	K	L
32	190	16	94	30	32	10	27.5	22	17	6	M10×1.25	M6
40	216	20	108	35	34	10	29.5	24	17	7	M12×1.25	M6
50	247	27	109	40	42	10	32	32	23	8	M16×1.5	M8
63	261	26	125	45	42	10	36	32	23	8	M16×1.5	M8
80	303	35	129	45	52	10	37	40	26	10	M20×1.5	M10
100	324	40	140	55	52	10	39	40	26	10	M20×1.5	M10
125	352	46	160	60	73	11	45	54	40	13.5	M27×2	M12
160	484	60	180	65	92	10	50	72	—	—	M36×2	M16
200	514	70	180	75	96	10	50	72	—	—	M36×2	M16

Bore/Code	M	N	O	P	Q	R	S	T	U	V	W
32	9.5	15	G1/8	5	3	6.5	46.5	32.5	12	10	28
40	9.5	17.5	G1/4	7	3	7	54	38	16	13	33
50	9.5	21	G1/4	7	3	9	64.5	46.5	20	17	38
63	9.5	23	G3/8	8	5	9	77	56.5	20	17	40
80	11	24	G3/8	10	5	12	95	72	25	22	43
100	11	26	G1/2	10	5	14	115	89	25	22	47
125	12	22.3	G1/2	13	8	16	142	110	32	27	58
160	—	25	G3/4	—	—	—	195	140	40	36	—
200	—	25	G3/4	—	—	—	238	175	40	36	—

TGIJ Series Standard Cylinder

According ISO6431、ISO15552 Standard、VDMA24562

● Product characteristics

Without lubricating: Needn't lubricating on piston rod for using oiled bearing.

Cushion: Besides mounted cushion, there is adjustable buffer at the terminal of the cylinder to act smoothly.

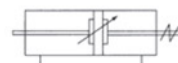
Kinds of mounting: Have kinds of auxiliary components to choose.

With magnet: With permanent magnet on piston, it can touch the magnet switch to track cylinder's action.

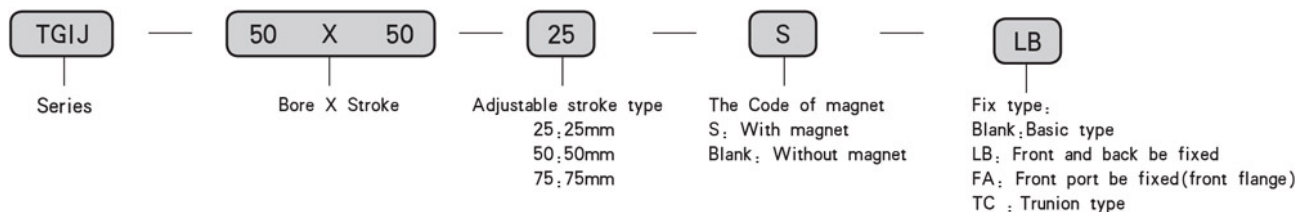
Adjustable stroke: Attached with adjustable nut, cylinder can adjust the stroke within its stroke range.



■ Graphics Sign



● Ordering Code



■ Ordering example

- 1)Bore:50mm, Stroke:50mm, adjustable stroke:25, LB installation, Code : TGIJ50×50-25-LB
- 2)Bore:32mm, Stroke:100mm, adjustable stroke:25, FA installation, Code : TGIJ32×100-25-FA

■ Standard Specification

Bore (mm)	32	40	50	63	80	100	125	160	200
Action	Double action type								
Applicable medium	Air								
Pressure range	0.1 ~ 1.0 MPa								
Proof pressure	1.5 MPa								
Temperature range	-10 ~ 60℃								
Speed range	50 ~ 500 mm/s								
Cushion type	Adjustable cushion								
Cushion stroke(mm)	24 mm					32 mm			
Prot Size	G1/8	G1/4		G3/8		G1/2		G3/4	

TGIJ Series Standard Cylinder

According ISO6431, ISO15552 Standard, VDMA24562

Stroke

Bore (mm)	Standard Stroke	Max. Stroke	Permissible. Stroke
32	25 50 75 80 100 125 150 160 175 200	200	300
40	25 50 75 80 100 125 150 160 175 200	200	300
50	25 50 75 80 100 125 150 160 175 200	200	300
63	25 50 75 80 100 125 150 160 175 200	200	300
80	25 50 75 80 100 125 150 160 175 200 250 300	300	400
100	25 50 75 80 100 125 150 160 175 200 250 300	300	400
125	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	1500	2000
160	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	1500	2000
200	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	1500	2000

Figure Dimension

Φ32 – Φ200

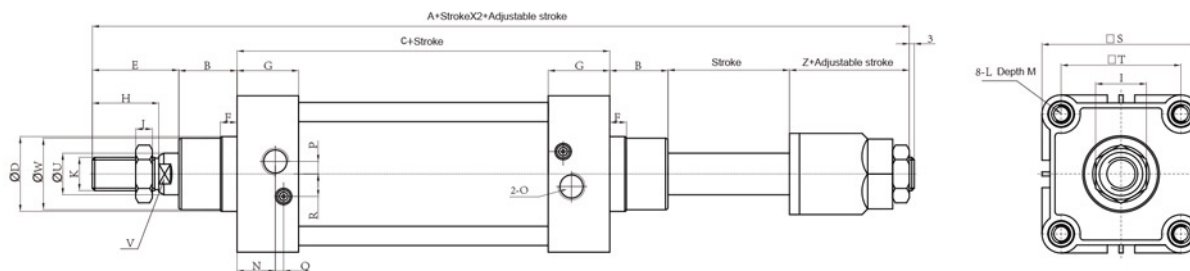


Figure Dimension(mm)

Bore/Code	A	B	C	D	E	F	G	H	I	J	K	L
32	185	16	94	30	32	10	27,5	22	17	6	M10×1,25	M6
40	210	20	108	35	34	10	29,5	24	17	7	M12×1,25	M6
50	236	27	109	40	42	10	32	32	23	8	M16×1,5	M8
63	250	26	125	45	42	10	36	32	23	8	M16×1,5	M8
80	290	35	129	45	52	10	37	40	26	10	M20×1,5	M10
100	311	40	140	55	52	10	39	40	26	10	M20×1,5	M10
125	—	46	160	60	73	11	45	54	40	13,5	M27×2	M12
160	—	60	180	65	92	10	50	72	—	—	M36×2	M16
200	—	70	180	75	96	10	50	72	—	—	M36×2	M16

Bore/Code	M	N	O	P	Q	R	S	T	U	V	W	Z
32	9,5	15	G1/8	5	3	6,5	45	32,5	12	10	28	28
40	9,5	17,5	G1/4	7	3	7	52	38	16	13	33	28
50	9,5	21	G1/4	7	3	9	65	46,5	20	17	38	31
63	9,5	23	G3/8	8	5	9	76	56,5	20	17	40	31
80	11	24	G3/8	10	5	12	94	72	25	22	43	39
100	11	26	G1/2	10	5	14	112	89	25	22	47	39
125	12	22,3	G1/2	13	8	16	142	110	32	27	58	—
160	14	25	G3/4	14	—	—	195	140	40	36	—	—
200	14	25	G3/4	14	—	—	238	175	40	36	—	—