

Guide cylinders

GTK

Light Duty Type

GTX

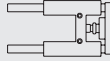
Light Duty Flange Type

GTB

Heavy Duty (Bush) Type

GTU

Heavy Duty (Linear Bearing) Type

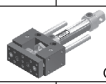

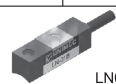

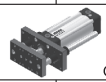


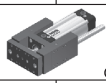
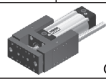


- GTK(X): Light duty type, GTB(U): Heavy duty type
- The guiding units can be assembled to cylinders in conformity ISO 6431/6432 standard
- Antirotation is guaranteed by two steel guide stems, which moment is support by four oilless bush in GTK(X) series by four linear bearing in GTU series and four brass bush in GTB series.

Specification

Type	GTK		GTB GTU GTX					
Bore sizes of cylinder (mm)	φ 20	φ 25	φ 20	φ 25	φ 32	φ 40	φ 50	φ 63
The range of stroke (mm)	Stroke by request							
Power fluid	Filtered air with or without lubrication							
The range of pressure (MPa)	0.2~0.7							
The range of temperature (°C)	-10~+60							

How to order

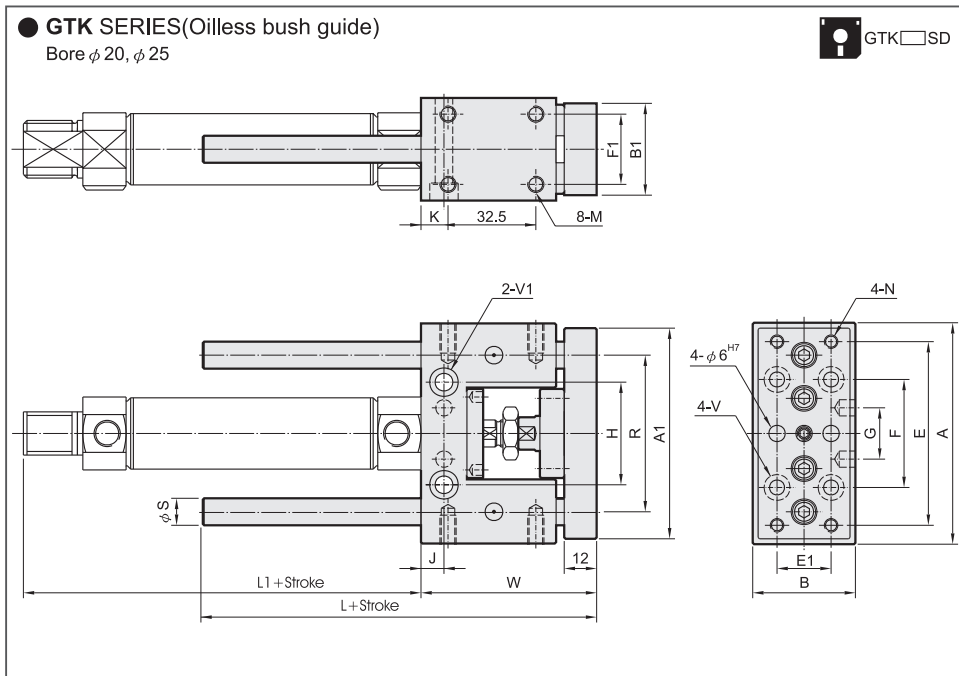
GTB	40	100	RP	LN01A	×	2
Type	Bore	Stroke	Rear flange coupling	Sensor switch		Quantity
 GTK	20—φ 20mm 25—φ 25mm 32—φ 32mm 40—φ 40mm 50—φ 50mm 63—φ 63mm	25—25mm 50—50mm 75—75mm 100—100mm 125—125mm 150—150mm 175—175mm 200—200mm 200—200mm 250—250mm 350—350mm 400—400mm	 RP RP: With rear flange coupling	 LN01B  LN048R LN01B: Suited for φ 20, φ 25 LN048R:		1: 1pc 2: 2pcs
 GTX				 LN01A  LN02A LN01A: Suited for φ 32, φ 40 LN02A: Suited for φ 50, φ 63		
 GTB						
 GTU						

Note:

1.Can choose NPN or PNP type (3-Wire type, 24VDC).

2.Can choose plug-in cable.

Dimensional features



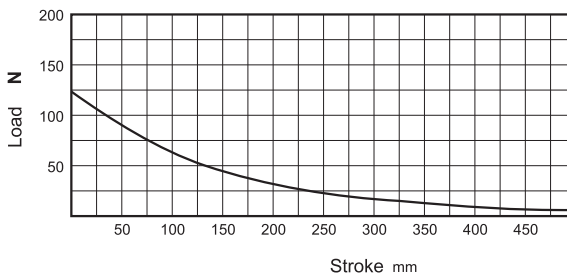
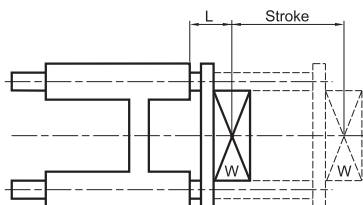
Dimensional Table

Bore	A	A1	B	B1	E	E1	F	F1	G	H	J	K	L	L1	M	N	R	S	V	V1	W
φ 20	82	78	38	34	68	20	40	26	19	38	8.5	8.75	85	81	M6,dp11	M5	58	10	φ 5.5, φ 9.5×5.4dp	φ 6.5, φ 10.5×6.5dp	65
φ 25	82	78	38	34	68	20	40	26	19	38	8.5	8.75	85	86	M6,dp11	M5	58	10	φ 5.5, φ 9.5×5.4dp	φ 6.5, φ 10.5×6.5dp	65

Maximum allowable torque moment

Max. Allowable Load

GTK Bore φ 20, φ 25



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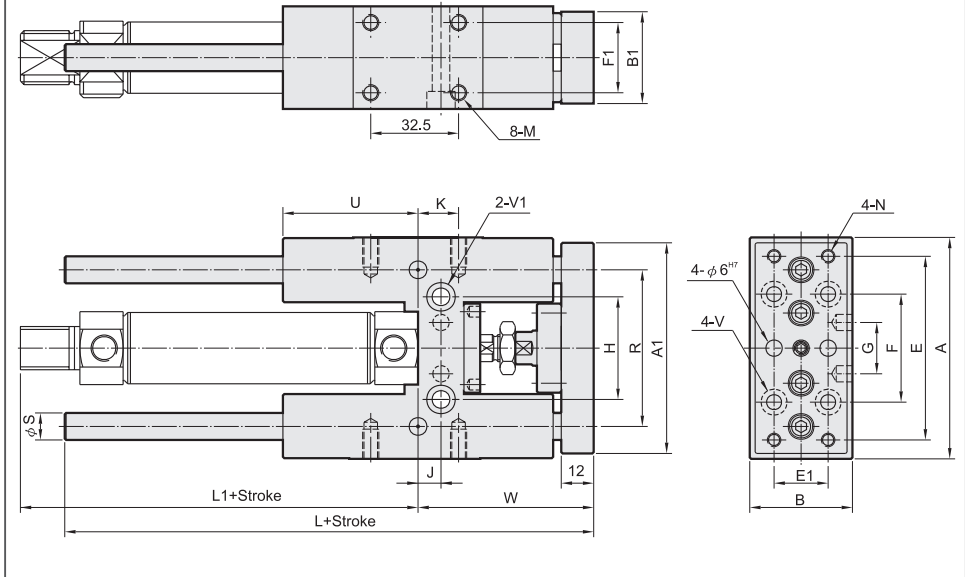
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Dimensional features

- GTB TYPE (Brass bush guide)
- GTU TYPE (Linear bearing guide)

Bore φ 20, φ 25



Dimensional Table

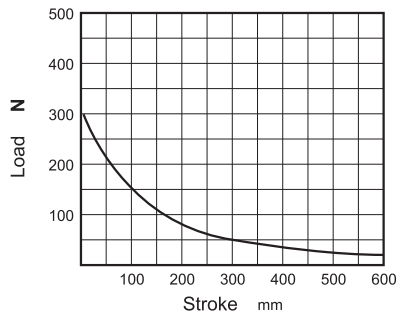
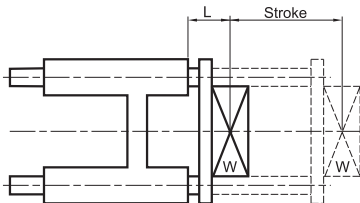
Bore	A	A1	B	B1	E	E1	F	F1	G	H	J	K	L	L1	M	N	R	S	U	V	V1	W
φ 20	82	78	38	34	68	20	40	26	19	38	8.5	15	135	81	M6,dp11	M5	58	10	50	φ 5.5, φ 9.5×5.4dp	φ 6.5, φ 10.5×6.5dp	65
φ 25	82	78	38	34	68	20	40	26	19	38	8.5	15	135	86	M6,dp11	M5	58	10	50	φ 5.5, φ 9.5×5.4dp	φ 6.5, φ 10.5×6.5dp	65

Maximum allowable torque moment

Max. Allowable Load

GTB Bore φ 20, φ 25

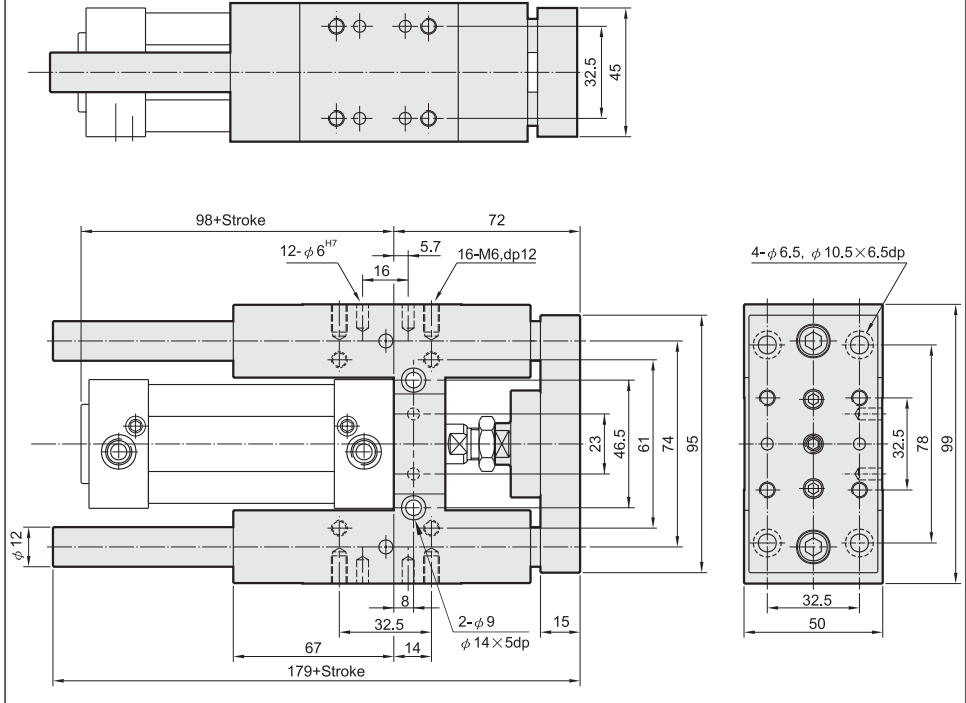
GTU Bore φ 20, φ 25



Dimensional features

- GTB TYPE (Brass bush guide)
- GTU TYPE (Linear bearing guide)

Bore φ 32



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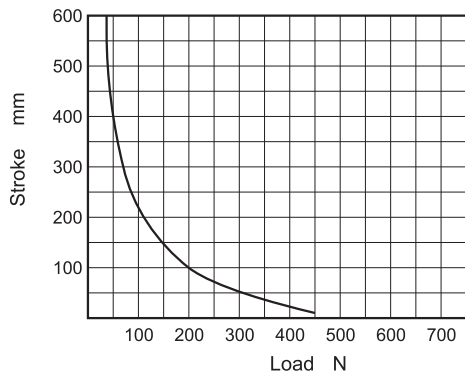
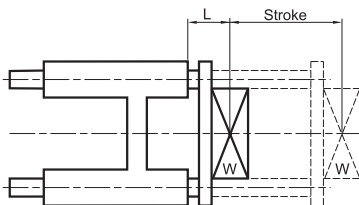
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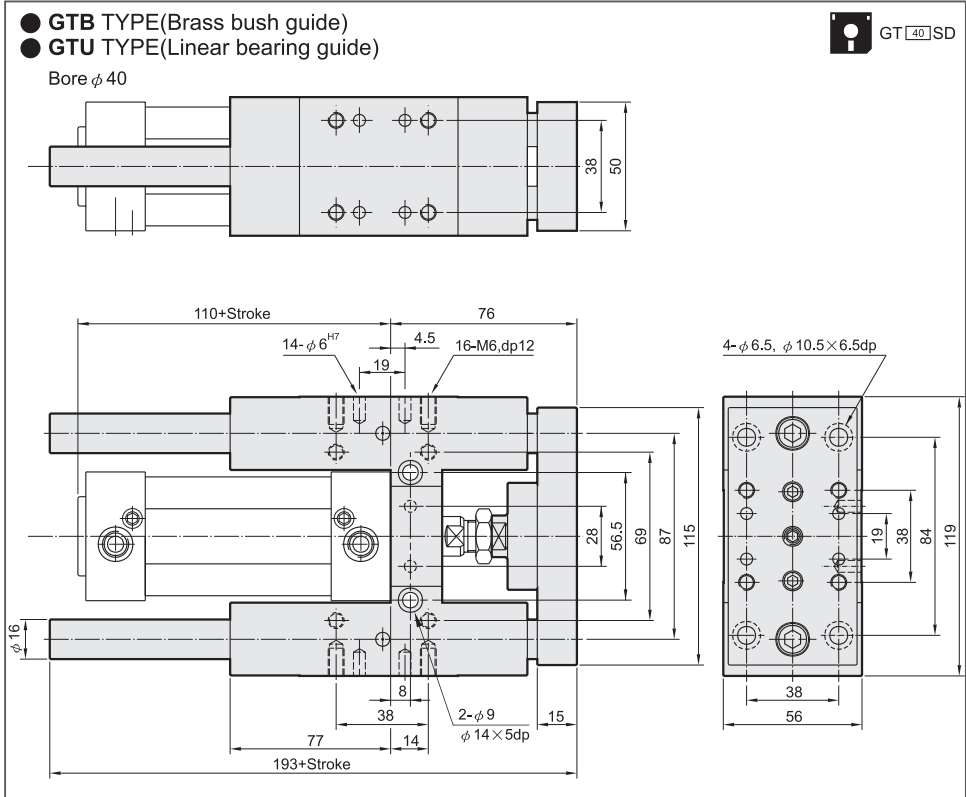
Maximum allowable torque moment

Max. Allowable Load

GTB.GTU Bore φ 32



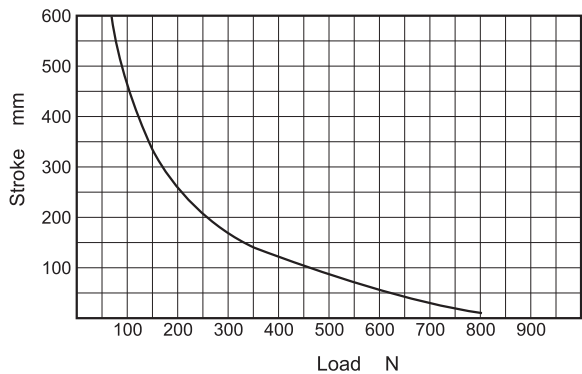
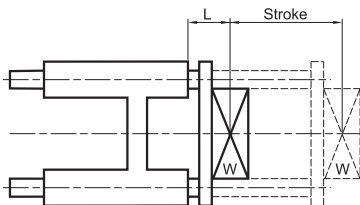
Dimensional features



Maximum allowable torque moment

Max. Allowable Load

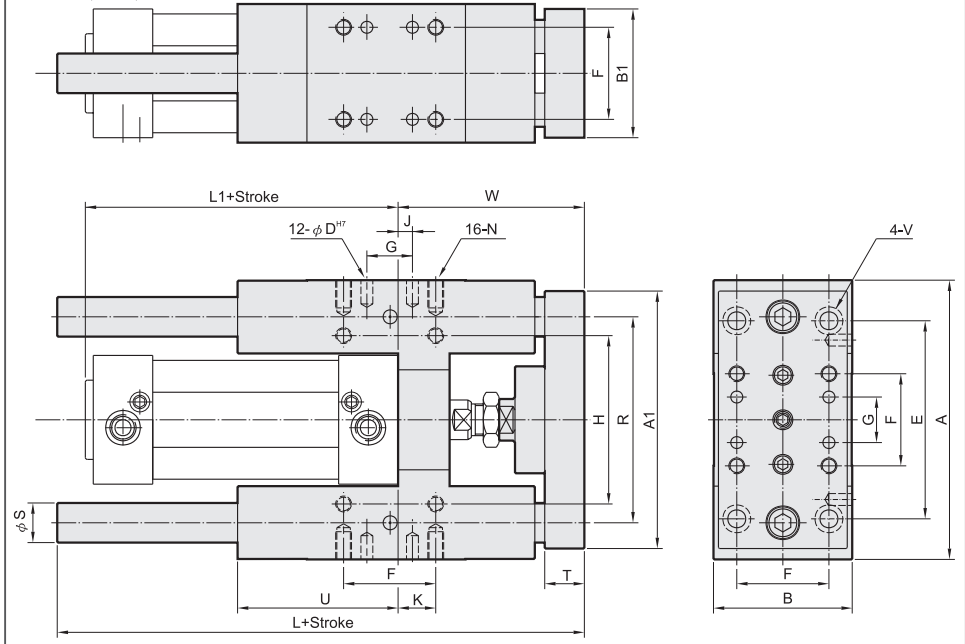
GTB.GTU Bore φ 40



Dimensional features

- GTB TYPE (Brass bush guide)
- GTU TYPE (Linear bearing guide)

Bore φ 50, φ 63



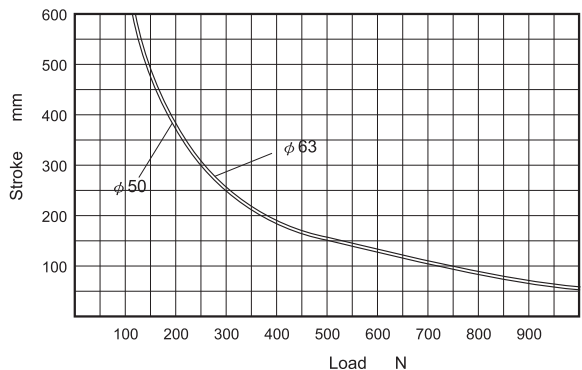
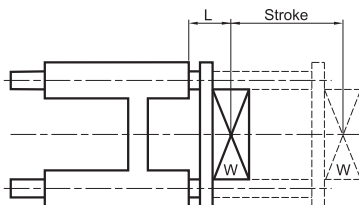
Dimensional Table

Bore	A	A1	B	B1	D	E	F	G	H	J	K	L	L1	N	R	S	T	U	V	W
φ 50	141	135	70	65	6	100	46.5	23	85	7.5	19	215	111	M8,dp14	104	20	20	81	φ 9, φ 14 × 8.5dp	94
φ 63	156	150	80	75	6	105	56.5	28	100	5	19	230	126	M8,dp16	119	20	20	96	φ 9, φ 14 × 8.5dp	94

Maximum allowable torque moment

Max. Allowable Load

GTB.GTU Bore φ 50, φ 63



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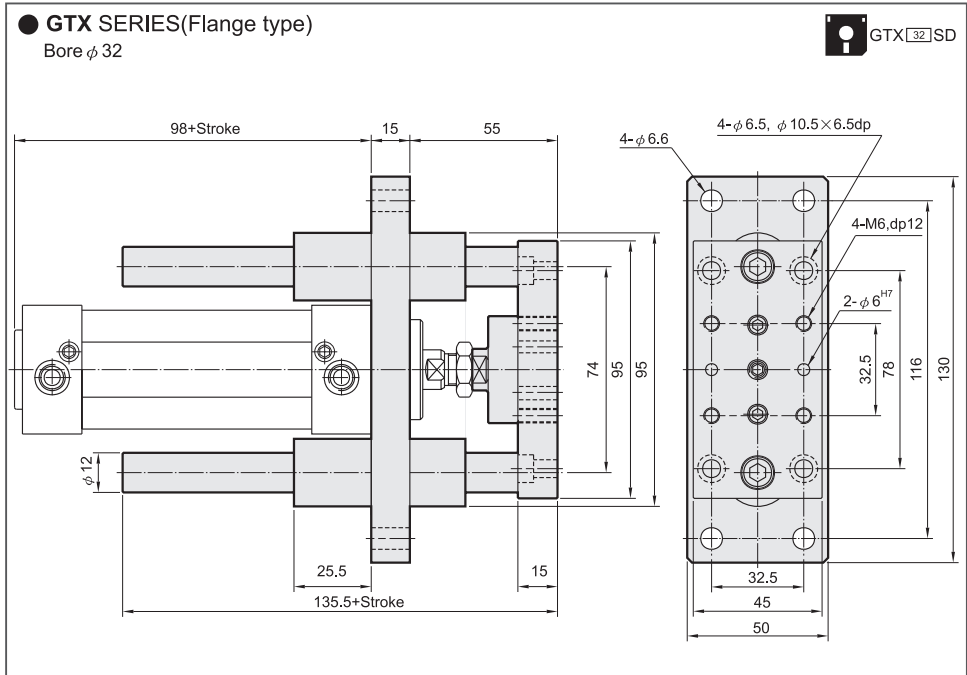
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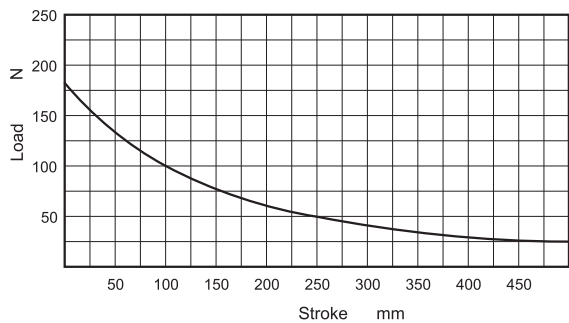
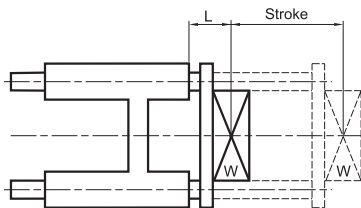
Dimensional features



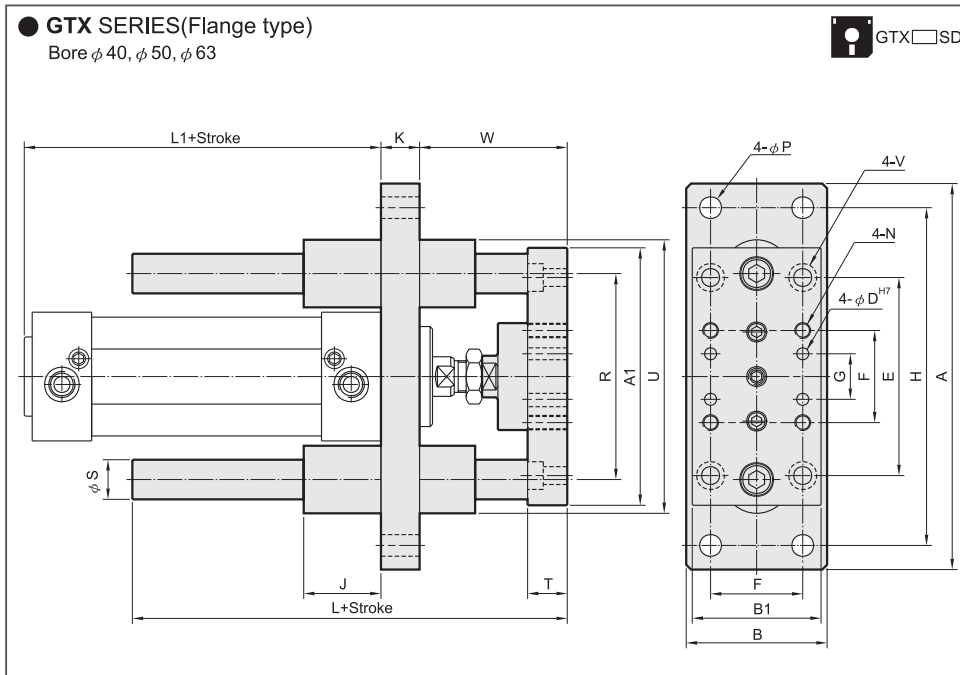
Maximum allowable torque moment

Max. Allowable Load

GTX Bore φ 32



Dimensional features



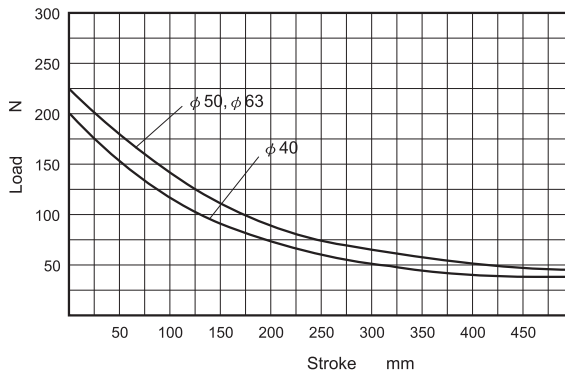
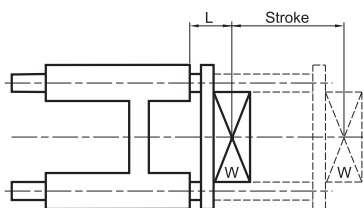
Dimensional Table

Bore	A	A1	B	B1	D	E	F	G	H	J	K	L	L1	N	P	R	S	T	U	V	W
φ 40	160	115	55	50	6	84	38	19	140	32	15	148	110	M6,dp12	φ 9	87	16	15	115	φ 6.5, φ 10.5×6.5dp	61
φ 50	180	135	70	65	6	100	46.5	23	160	36	20	170	111	M8,dp14	φ 9	104	20	20	136	φ 9, φ 14×8.5dp	74
φ 63	195	150	80	75	6	105	56.5	28	175	36	20	170	126	M8,dp16	φ 9	119	20	20	151	φ 9, φ 14×8.5dp	74

Maximum allowable torque moment

Max. Allowable Load

GTX Bore φ 40~ φ 63

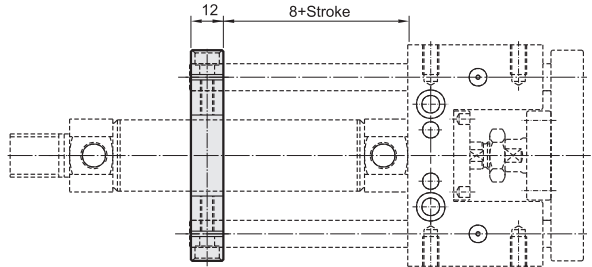
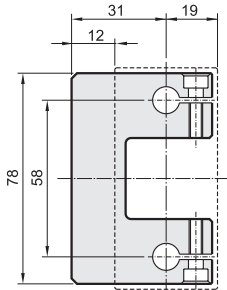


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Rear flange coupling

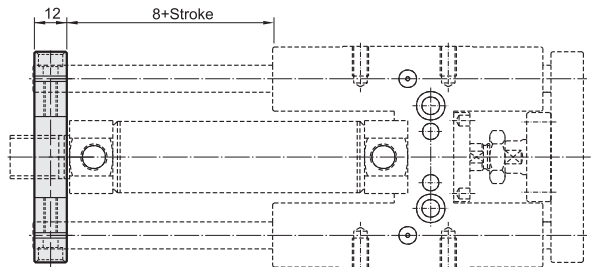
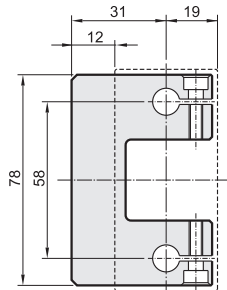
● GTK SERIES

Bore φ 20, φ 25



● GTB.GTU SERIES

Bore φ 20, φ 25

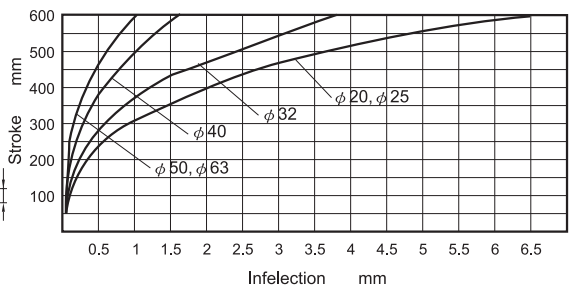
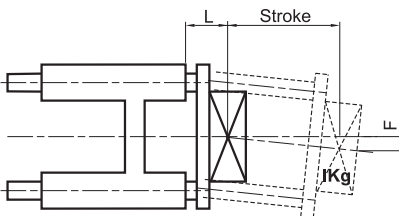


Building material: aluminium alloy 2 Clamps screws are included in the supply

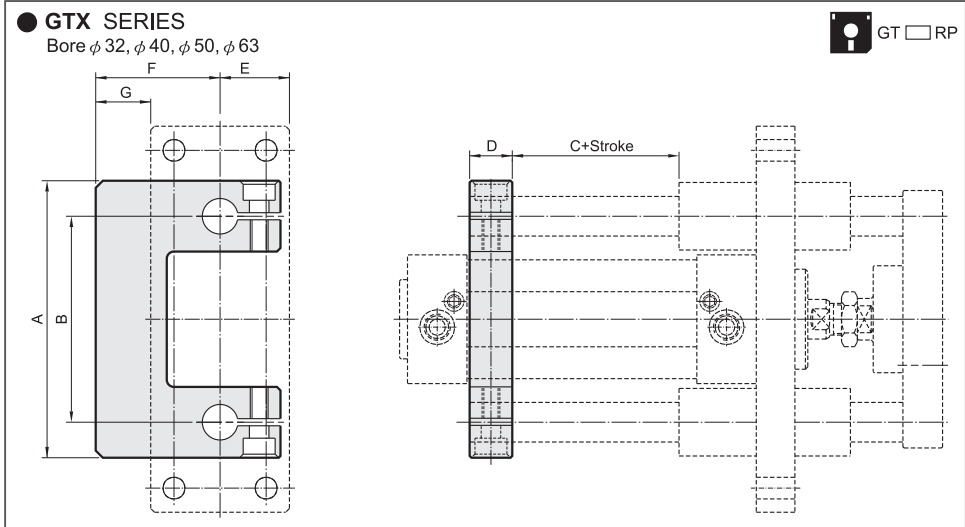
Maximum allowable torque moment

Max. Allowable Load

GTB.GTU SERIES

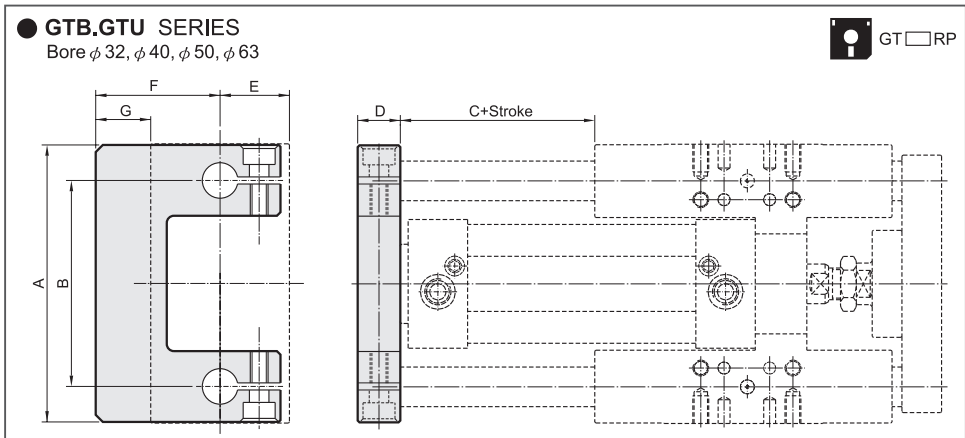


Rear flange coupling



Dimensional Table

Bore	A	B	C	D	E	F	G
φ 32	95	74	25	15	25	37	12
φ 40	115	87	20	20	28	52.5	24.5
φ 50	135	104	20	20	35	67.5	32.5
φ 63	150	119	20	20	40	78	38



Dimensional Table

Bore	A	B	C	D	E	F	G
φ 32	95	74	25	15	25	37	12
φ 40	115	87	20	20	28	52.5	24.5
φ 50	135	104	20	20	35	67.5	32.5
φ 63	150	119	20	20	40	78	38

Building material: aluminium alloy 2 Clamps screws are included in the supply

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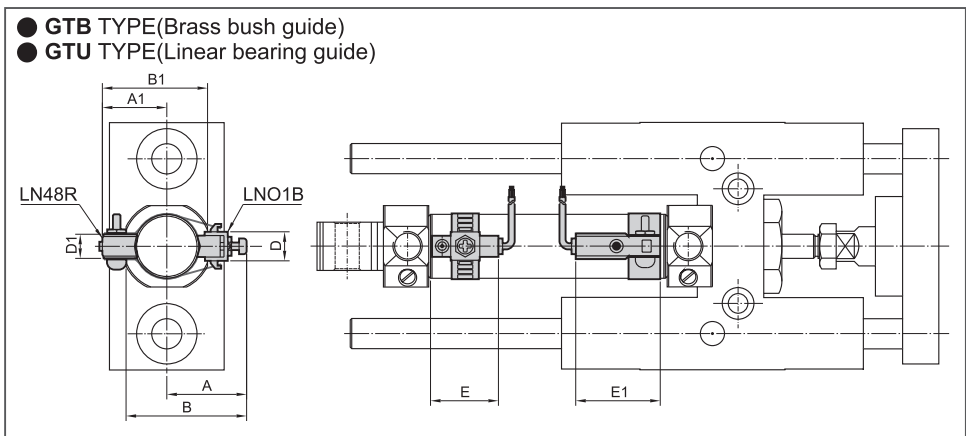
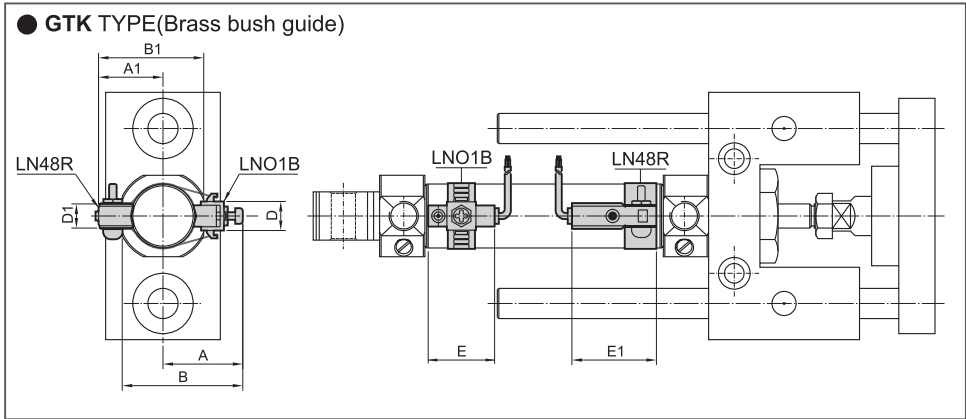
GT

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Dimensional features



Dimensional Table

Bore	Sensor switch	A	B	D	E
φ 20	LN01B	25.5	39	17.5	22
φ 25	LN01B	28.4	41.9	17.5	22

Bore	Sensor switch	Clamp NO.	A1	B1	D1	E1
φ 20	LN48R	BS-S20	22	36	8	28
φ 25	LN48R	BS-S25	24	38	8	28

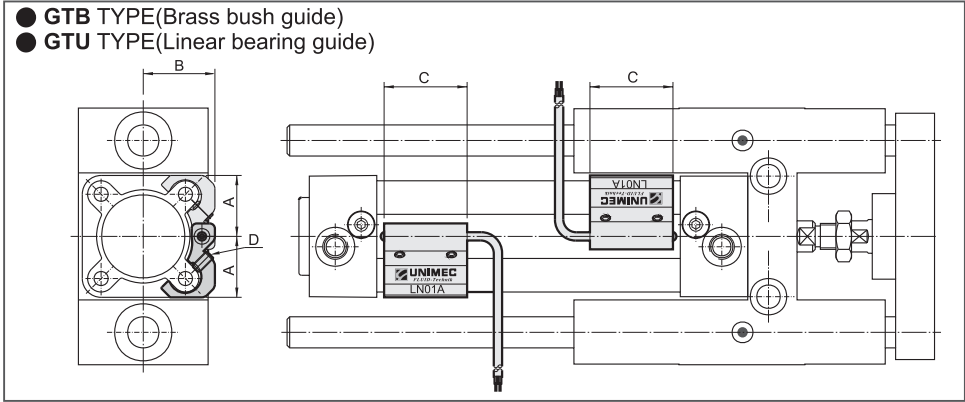
Weight of the guide cylinder

Unit: kg

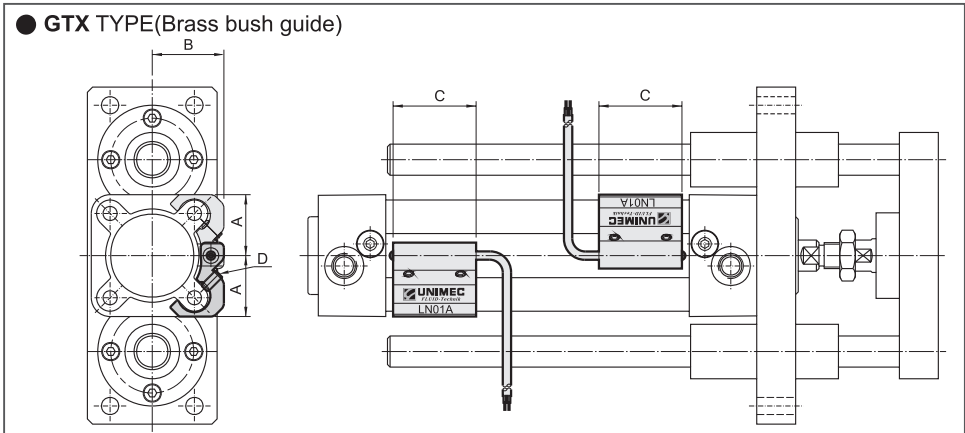
Bore	Basic weight	Stroke 25 mm	Basic weight	Stroke 25 mm	Basic weight	Stroke 25 mm	Sensor switch	
GTK (Oilless bush guide)			GTB (Brass bush guide)		GTU (Linear bearing guide)		LN01B	LN48R
φ 20	0.690	0.050	1.090	0.050	0.967	0.050	0.030	0.030
φ 25	0.716	0.058	1.137	0.058	1.015	0.058	0.030	0.030

Dimensional features

- GTB TYPE (Brass bush guide)
- GTU TYPE (Linear bearing guide)



- GTX TYPE (Brass bush guide)

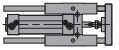
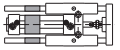
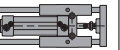
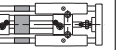
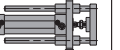



Dimensional Table

Bore	Sensor switch	A	B	C	D
φ 32	LN01A	26,3	27	32	M4 × 12L
φ 40	LN01A	29	32	32	M4 × 12L
φ 50	LN02A	35,5	36,5	32	M4 × 12L
φ 63	LN02A	40	43	32	M4 × 12L

Weight of the guide cylinder

Unit: kg

Bore	Basic weight	Stroke 25 mm	Basic weight	Stroke 25 mm	Basic weight	Stroke 25 mm	Sensor switch
							
	GTB (Brass bush guide)		GTU (Linear bearing guide)		GTX (Brass bush guide)		
φ 32	2.060	0.100	1.918	0.100	1.274	0.100	0.065
φ 40	3.423	0.159	3.113	0.159	2.082	0.159	0.065
φ 50	5.584	0.240	5.162	0.240	3.440	0.240	0.066
φ 63	6.816	0.250	6.390	0.250	4.221	0.250	0.066

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