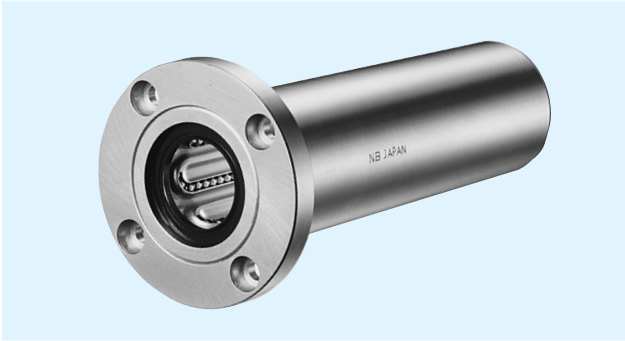
TRF TYPE

− Triple-Wide Round Flange Type −

This type is a metric dimension series widely used in Japan and other countries.



part number structure example

TRF | 25 | G | UU | - | Q

- TRF type
- inner contact diameter
- retainer material

blank	steel
G	resin

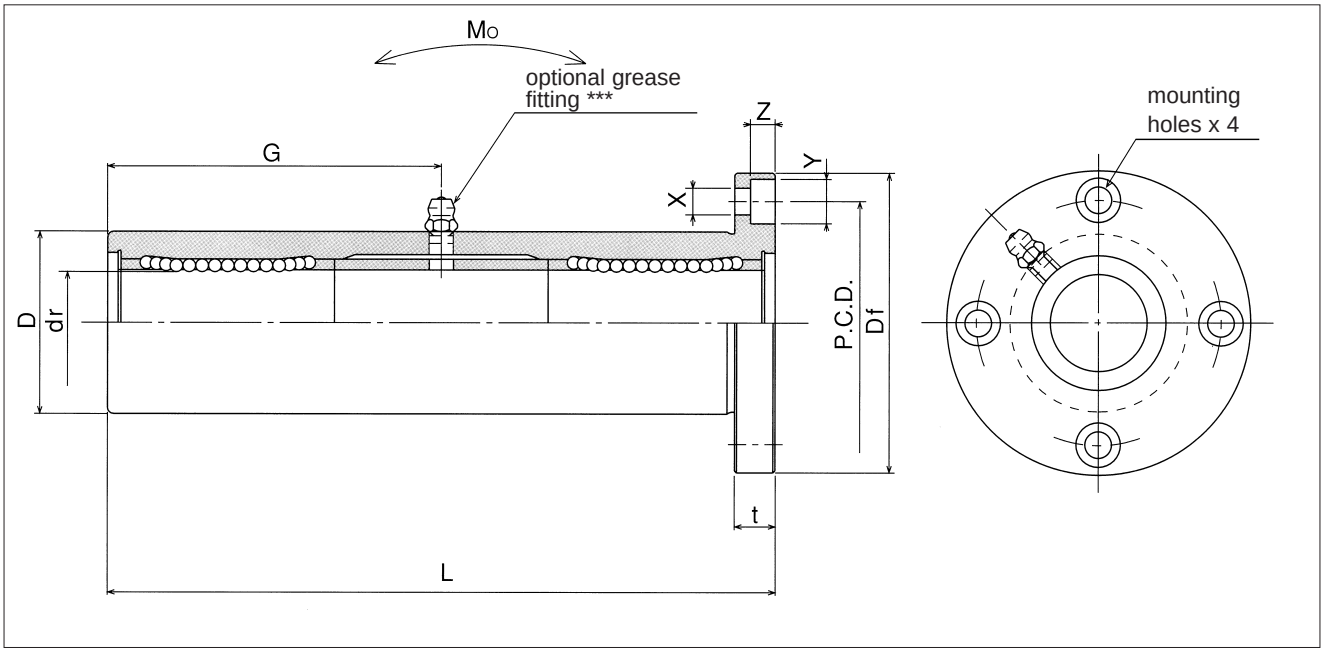
- grease fitting

blank	without
Q	grease fitting

- seals on both sides

part number*		dr		D		L	
steel retainer	resin retainer	mm	tolerance μm	mm	tolerance μm	±0.3 mm	Df mm
TRF 6UU	**TRF 6GUU**	6	0 −12	15	0/−18	51	32
TRF 8UU	**TRF 8GUU**	8		19	0 −21	66	40
TRF10UU	**TRF10GUU**	10		23		80	43
TRF12UU	**TRF12GUU**	12	0 −15	26		84	46
TRF13UU	**TRF13GUU**	13		28		90	48
TRF16UU	**TRF16GUU**	16		32	0 −25	103	54
TRF20UU	**TRF20GUU**	20	0 −18	40		118	62
TRF25UU	**TRF25GUU**	25		45		165	74
TRF30UU	**TRF30GUU**	30		52	0 −30	182	82
TRF35UU	**TRF35GUU**	35	0 −21	60		200	96
TRF40UU	**TRF40GUU**	40		65		230	101
TRF50UU	**TRF50GUU**	50		85	0 −35	290	129
TRF60UU	**TRF60GUU**	60	0/−25	100		310	144

* UU type is standard feature.
** Outer cylinder is treated with electroless nickel plating.
*** TRF6~8: A-MT6x1 TRF10~30: A-M6F TRF35~60: A-PT1/8



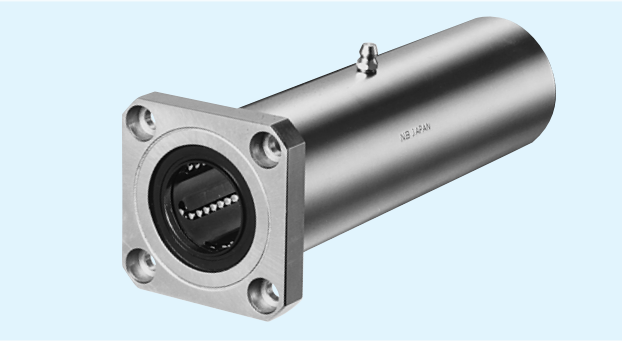
major dimensions			grease fitting	eccentricity	perpen-dicularity	basic load rating		allowable static moment	mass	shaft diameter
flange						dynamic	static			
t	P.C.D.	X×Y×Z	G			C	Co	Mo		
mm	mm	mm	mm	μm	μm	N	N	N・m	g	mm
5	24	3.5×6×3.1	20.5	20	20	323	530	8.2	66	6
6	29	4.5×7.5×4.1	29			431	784	16.0	135	8
6	33	4.5×7.5×4.1	38			588	1,100	27.0	205	10
6	36	4.5×7.5×4.1	41			813	1,570	40.1	248	12
6	38	4.5×7.5×4.1	45			813	1,570	42.9	308	13
8	43	5.5×9×5.1	51	25	25	1,230	2,350	73.5	412	16
8	51	5.5×9×5.1	59			1,400	2,740	98.0	752	20
10	60	6.6×11×6.1	82.5			1,560	3,140	157	1,244	25
10	67	6.6×11×6.1	91			2,490	5,490	297	1,636	30
13	78	9×14×8.1	100	30	30	2,650	6,270	373	2,580	35
13	83	9×14×8.1	115			3,430	8,040	553	2,950	40
18	107	11×17×11.1	145			6,080	15,900	1,370	6,860	50
18	122	11×17×11.1	155			7,550	20,000	1,800	9,660	60

1N≒0.102kgf　1N・m≒0.102kgf・m

TRK TYPE

– Triple-Wide Square Flange Type –

This type is a metric dimension series widely used in Japan and other countries.



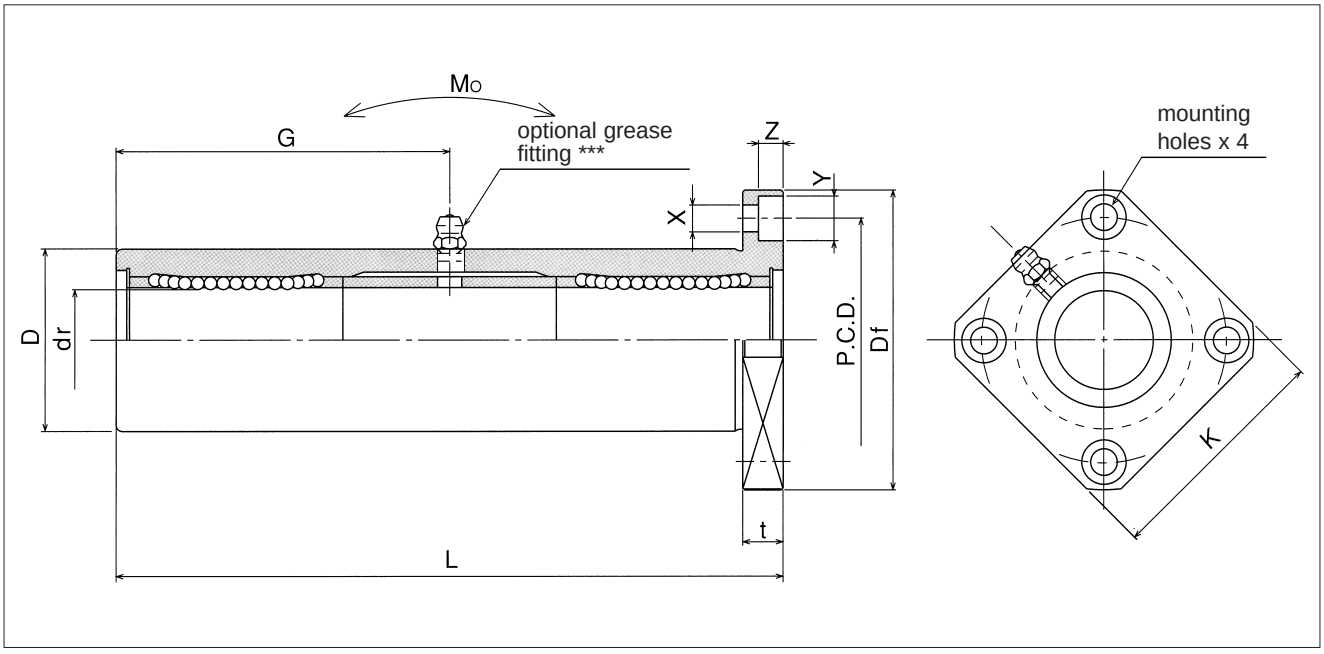
part number structure example

TRK | 25 | G | UU | - | Q

- TRK: TRK type
- 25: inner contact diameter
- G: retainer material (blank: steel; G: resin)
- UU: seals on both sides
- Q: grease fitting (blank: without; Q: grease fitting)

part number*		dr		D		L	
steel retainer	resin retainer	mm	tolerance μm	mm	tolerance μm	±0.3 mm	Df mm
TRK 6UU	**TRK 6GUU**	6	0 −12	15	0/−18	51	32
TRK 8UU	**TRK 8GUU**	8		19	0 −21	66	40
TRK10UU	**TRK10GUU**	10		23		80	43
TRK12UU	**TRK12GUU**	12	0 −15	26		84	46
TRK13UU	**TRK13GUU**	13		28		90	48
TRK16UU	**TRK16GUU**	16		32	0 −25	103	54
TRK20UU	**TRK20GUU**	20	0 −18	40		118	62
TRK25UU	**TRK25GUU**	25		45		165	74
TRK30UU	**TRK30GUU**	30		52	0 −30	182	82
TRK35UU	**TRK35GUU**	35	0 −21	60		200	96
TRK40UU	**TRK40GUU**	40		65		230	101
TRK50UU	**TRK50GUU**	50		85	0 −35	290	129
TRK60UU	**TRK60GUU**	60	0/−25	100		310	144

* UU type is standard feature.
** Outer cylinder is electroless nickel plated.
*** TRK6~8: A-MT6x1 TRK10~30: A-M6F TRK35~60: A-PT1/8



major dimensions				grease fitting	eccentricity	perpen-dicularity	basic load rating		allowable static moment	mass	shaft diameter
flange							dynamic	static			
K	t	P.C.D.	X×Y×Z	G			C	Co	Mo		
mm	mm	mm	mm	mm	μm	μm	N	N	N・m	g	mm
25	5	24	3.5×6×3.1	20.5	20	20	323	530	8.2	58	6
30	6	29	4.5×7.5×4.1	29			431	784	16.0	117	8
34	6	33	4.5×7.5×4.1	38			588	1,100	27.0	189	10
35	6	36	4.5×7.5×4.1	41			813	1,570	40.1	228	12
37	6	38	4.5×7.5×4.1	45			813	1,570	42.9	286	13
42	8	43	5.5×9×5.1	51	25	25	1,230	2,350	73.5	376	16
50	8	51	5.5×9×5.1	59			1,400	2,740	98.0	714	20
58	10	60	6.6×11×6.1	82.5			1,560	3,140	157	1,163	25
64	10	67	6.6×11×6.1	91			2,490	5,490	297	1,543	30
75	13	78	9×14×8.1	100	30	30	2,650	6,270	373	2,400	35
80	13	83	9×14×8.1	115			3,430	8,040	553	2,510	40
100	18	107	11×17×11.1	145			6,080	15,900	1,370	6,400	50
116	18	122	11×17×11.1	155			7,550	20,000	1,800	9,200	60

1N≒0.102kgf　1N・m≒0.102kgf・m

TRFC TYPE

— Triple-Wide Intermediate Position Round Flange Type —

This type is a metric dimension series widely used in Japan and other countries.

part number structure example

TRFC **25** **G** **UU** - **Q**

- TRFC type
- inner contact diameter
- retainer material

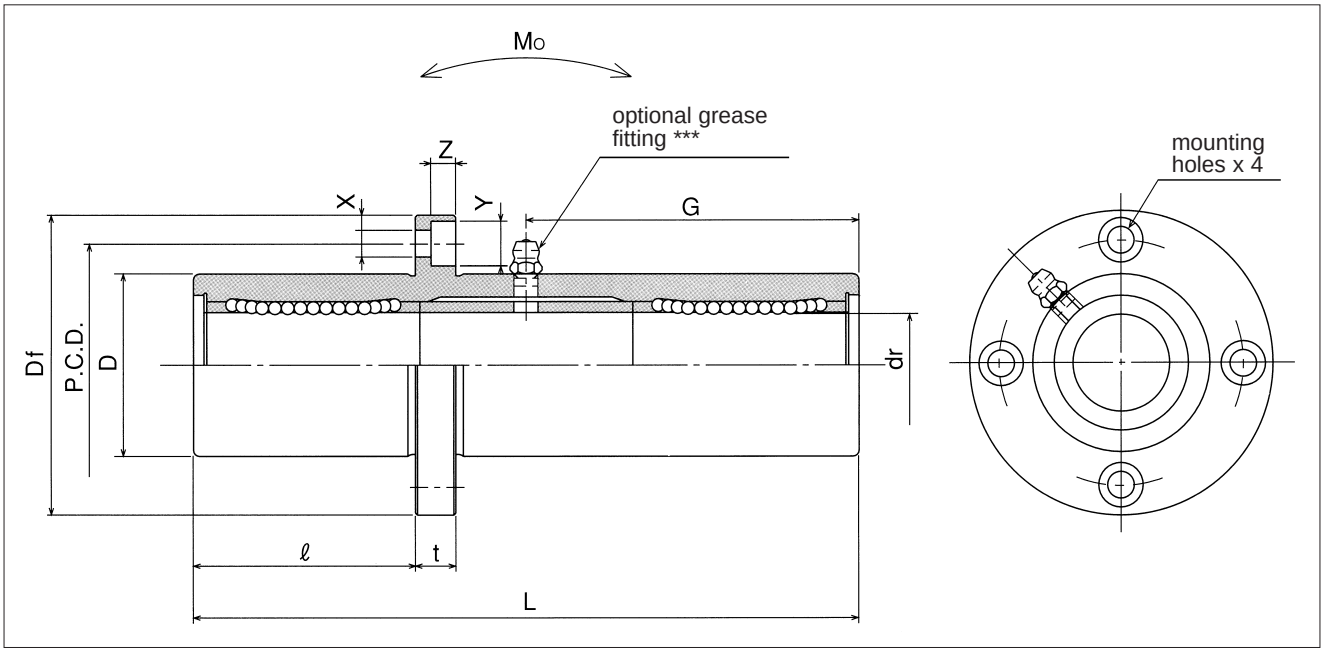
blank	steel
G	resin

- seals on both sides
- grease fitting

blank	without
Q	grease fitting

part number*		dr		D		L	ℓ
steel retainer	resin retainer	mm	tolerance μm	mm	tolerance μm	±0.3 mm	mm
TRFC 6UU	**TRFC 6GUU**	6	0 −12	15	0/−18	51	17
TRFC 8UU	**TRFC 8GUU**	8		19	0 −21	66	22
TRFC10UU	**TRFC10GUU**	10		23		80	27
TRFC12UU	**TRFC12GUU**	12	0 −15	26		84	28
TRFC13UU	**TRFC13GUU**	13		28		90	30
TRFC16UU	**TRFC16GUU**	16		32	0 −25	103	35
TRFC20UU	**TRFC20GUU**	20	0 −18	40		118	40
TRFC25UU	**TRFC25GUU**	25		45		165	55
TRFC30UU	**TRFC30GUU**	30		52	0 −30	182	61
TRFC35UU	**TRFC35GUU**	35	0 −21	60		200	67
TRFC40UU	**TRFC40GUU**	40		65		230	77
TRFC50UU	**TRFC50GUU**	50		85	0 −35	290	97
TRFC60UU	**TRFC60GUU**	60	0/−25	100		310	104

* UU type seal is standard feature.
** Outer cylinder is electroless nickel plated.
*** TRFC6~8: A-MT6x1 TRFC10~30: A-M6F TRFC35~60: A-PT1/8



major dimensions				grease fitting	eccentricity	perpen-dicularity	basic load rating		allowable static moment	mass	shaft diameter
flange							dynamic	static			
Df	t	P.C.D.	X×Y×Z	G			C	Co	Mo		
mm	mm	mm	mm	mm	μm	μm	N	N	N・m	g	mm
32	5	24	3.5×6×3.1	20.5	20	20	323	530	8.2	66	6
40	6	29	4.5×7.5×4.1	29			431	784	16.0	135	8
43	6	33	4.5×7.5×4.1	38			588	1,100	27.0	205	10
46	6	36	4.5×7.5×4.1	41			813	1,570	40.1	248	12
48	6	38	4.5×7.5×4.1	45			813	1,570	42.9	308	13
54	8	43	5.5×9×5.1	51	25	25	1,230	2,350	73.5	412	16
62	8	51	5.5×9×5.1	59			1,400	2,740	98.0	752	20
74	10	60	6.6×11×6.1	82.5			1,560	3,140	157	1,244	25
82	10	67	6.6×11×6.1	91			2,490	5,490	297	1,636	30
96	13	78	9×14×8.1	100	30	30	2,650	6,270	373	2,580	35
101	13	83	9×14×8.1	115			3,430	8,040	553	2,950	40
129	18	107	11×17×11.1	145			6,080	15,900	1,370	6,860	50
144	18	122	11×17×11.1	155			7,550	20,000	1,800	9,660	60

1N≒0.102kgf　1N・m≒0.102kgf・m

TRKC TYPE

— Triple-Wide Intermediate Position Square Flange Type —

This type is a metric dimension series widely used in Japan and other countries.

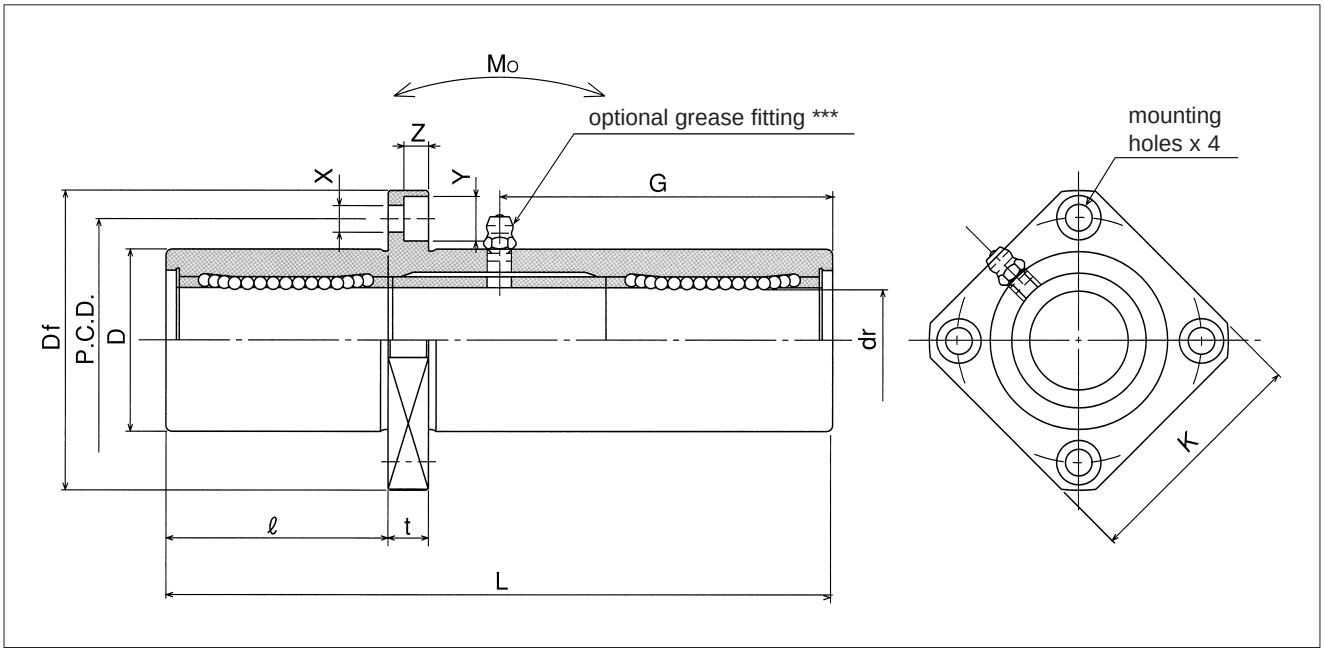
part number structure example

TRKC **25** **G** **UU** - **Q**

- TRKC: TRKC type
- 25: inner contact diameter
- G: retainer material (blank: steel; G: resin)
- UU: seals on both sides
- Q: grease fitting (blank: without; Q: grease fitting)

part number*		dr		D		L	
steel retainer	resin retainer	mm	tolerance μm	mm	tolerance μm	±0.3 mm	ℓ mm
TRKC 6UU	**TRKC 6GUU**	6	0 −12	15	0/−18	51	17
TRKC 8UU	**TRKC 8GUU**	8		19	0 −21	66	22
TRKC10UU	**TRKC10GUU**	10		23		80	27
TRKC12UU	**TRKC12GUU**	12	0 −15	26		84	28
TRKC13UU	**TRKC13GUU**	13		28		90	30
TRKC16UU	**TRKC16GUU**	16		32	0 −25	103	35
TRKC20UU	**TRKC20GUU**	20	0 −18	40		118	40
TRKC25UU	**TRKC25GUU**	25		45		165	55
TRKC30UU	**TRKC30GUU**	30		52	0 −30	182	61
TRKC35UU	**TRKC35GUU**	35	0 −21	60		200	67
TRKC40UU	**TRKC40GUU**	40		65		230	77
TRKC50UU	**TRKC50GUU**	50		85	0 −35	290	97
TRKC60UU	**TRKC60GUU**	60	0/−25	100		310	104

* UU type is standard feature.
** Outer cylinder is electroless nickel plated.
*** TRKC6~8: A-MT6x1 TRKC10~30: A-M6F TRKC35~60: A-PT1/8



major dimensions					grease fitting	eccentricity	perpen-dicularity	basic load rating		allowable static moment	mass	shaft diameter
flange								dynamic	static			
Df	K	t	P.C.D.	X×Y×Z	G			C	Co	Mo		
mm	mm	mm	mm	mm	mm	μm	μm	N	N	N・m	g	mm
32	25	5	24	3.5×6×3.1	20.5	20	20	323	530	8.2	58	6
40	30	6	29	4.5×7.5×4.1	29			431	784	16.0	117	8
43	34	6	33	4.5×7.5×4.1	38			588	1,100	27.0	189	10
46	35	6	36	4.5×7.5×4.1	41			813	1,570	40.1	228	12
48	37	6	38	4.5×7.5×4.1	45			813	1,570	42.9	286	13
54	42	8	43	5.5×9×5.1	51	25	25	1,230	2,350	73.5	376	16
62	50	8	51	5.5×9×5.1	59			1,400	2,740	98.0	714	20
74	58	10	60	6.6×11×6.1	82.5			1,560	3,140	157	1,163	25
82	64	10	67	6.6×11×6.1	91			2,490	5,490	297	1,543	30
96	75	13	78	9×14×8.1	100	30	30	2,650	6,270	373	2,400	35
101	80	13	83	9×14×8.1	115			3,430	8,040	553	2,510	40
129	100	18	107	11×17×11.1	145			6,080	15,900	1,370	6,400	50
144	116	18	122	11×17×11.1	155			7,550	20,000	1,800	9,200	60

1N≒0.102kgf　1N・m≒0.102kgf・m

TRF-E TYPE

— Triple-Wide Round Flange Pilot End Type —

This type is a metric dimension series widely used in Japan and other countries.

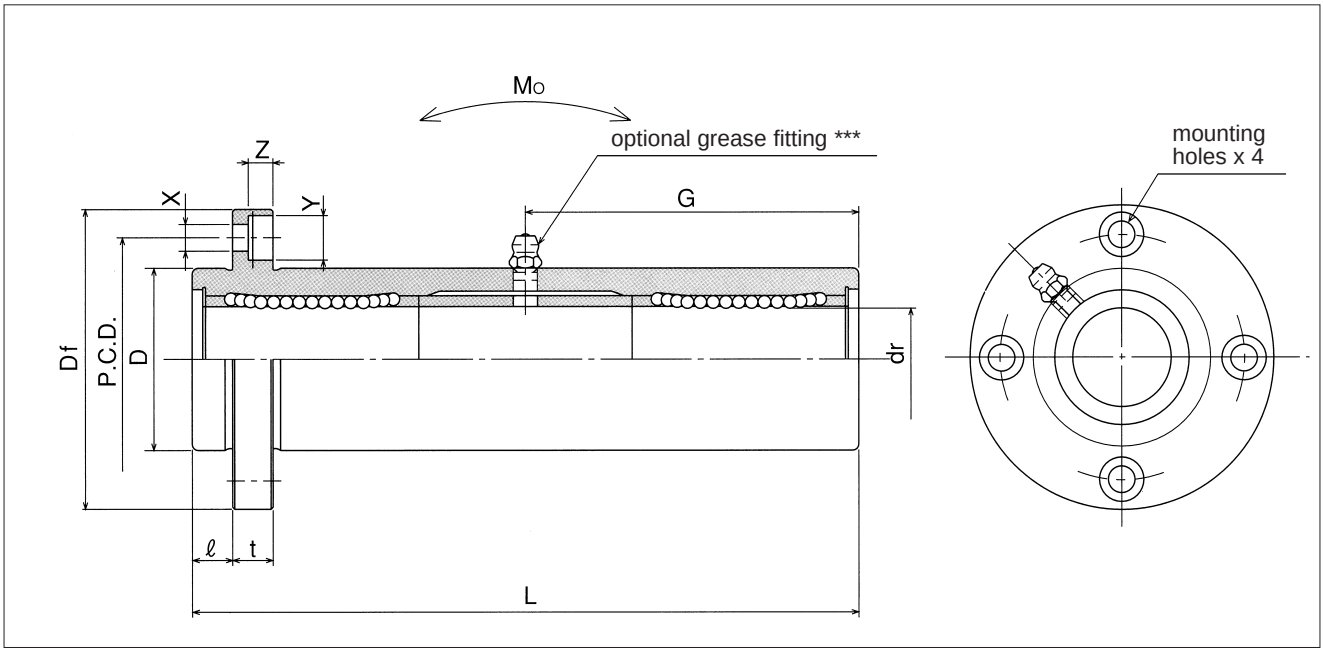
part number structure example

TRF | 25 | G | UU | - | E | - | Q

- TRF: TRF type
- 25: inner contact diameter
- G: retainer material (blank: steel; G: resin)
- UU: seals on both sides
- E: with pilot end
- Q: grease fitting (blank: without; Q: grease fitting)

part number*		dr		D		L	ℓ
steel retainer	resin retainer	mm	tolerance μm	mm	tolerance μm	±0.3 mm	mm
TRF 6UU-E	**TRF 6GUU-E**	6	0 −12	15	0/−18	51	5
TRF 8UU-E	**TRF 8GUU-E**	8		19	0 −21	66	6
TRF10UU-E	**TRF10GUU-E**	10		23		80	6
TRF12UU-E	**TRF12GUU-E**	12	0 −15	26		84	6
TRF13UU-E	**TRF13GUU-E**	13		28		90	6
TRF16UU-E	**TRF16GUU-E**	16		32	0 −25	103	8
TRF20UU-E	**TRF20GUU-E**	20	0 −18	40		118	8
TRF25UU-E	**TRF25GUU-E**	25		45		165	10
TRF30UU-E	**TRF30GUU-E**	30		52	0 −30	182	10
TRF35UU-E	**TRF35GUU-E**	35	0 −21	60		200	13
TRF40UU-E	**TRF40GUU-E**	40		65		230	13
TRF50UU-E	**TRF50GUU-E**	50		85	0 −35	290	18
TRF60UU-E	**TRF60GUU-E**	60	0/−25	100		310	18

* UU type is standard feature.
** Outer cylinder is electroless nickel plated.
*** TRF6~8-E: A-MT6x1 TRF10~30-E: A-M6F TRF35~60-E: A-PT1/8

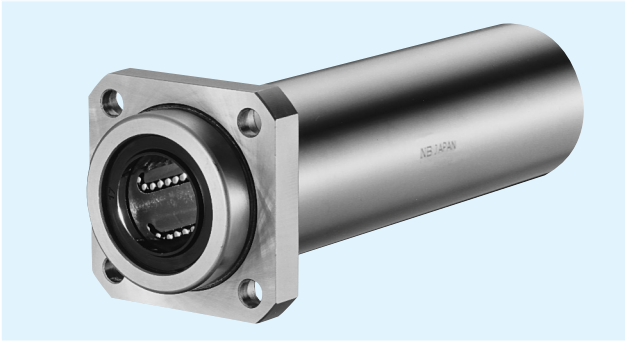


major dimensions				grease fitting	eccentricity	perpen-dicularity	basic load rating		allowable static moment	mass	shaft diameter
flange							dynamic	static			
Df	t	P.C.D.	X×Y×Z	G			C	Co	Mo		
mm	mm	mm	mm	mm	μm	μm	N	N	N・m	g	mm
32	5	24	3.5×6×3.1	20.5	20	20	323	530	8.2	66	6
40	6	29	4.5×7.5×4.1	29			431	784	16.0	135	8
43	6	33	4.5×7.5×4.1	38			588	1,100	27.0	205	10
46	6	36	4.5×7.5×4.1	41			813	1,570	40.1	248	12
48	6	38	4.5×7.5×4.1	45			813	1,570	42.9	308	13
54	8	43	5.5×9×5.1	51	25	25	1,230	2,350	73.5	412	16
62	8	51	5.5×9×5.1	59			1,400	2,740	98.0	752	20
74	10	60	6.6×11×6.1	82.5			1,560	3,140	157	1,244	25
82	10	67	6.6×11×6.1	91			2,490	5,490	297	1,636	30
96	13	78	9×14×8.1	100	30	30	2,650	6,270	373	2,580	35
101	13	83	9×14×8.1	115			3,430	8,040	553	2,950	40
129	18	107	11×17×11.1	145			6,080	15,900	1,370	6,860	50
144	18	122	11×17×11.1	155			7,550	20,000	1,800	9,660	60

1N≒0.102kgf　1N・m≒0.102kgf・m

TRK-E TYPE

– Triple-Wide Square Flange Pilot End Type –



This type is a metric dimension series widely used in Japan and other countries.

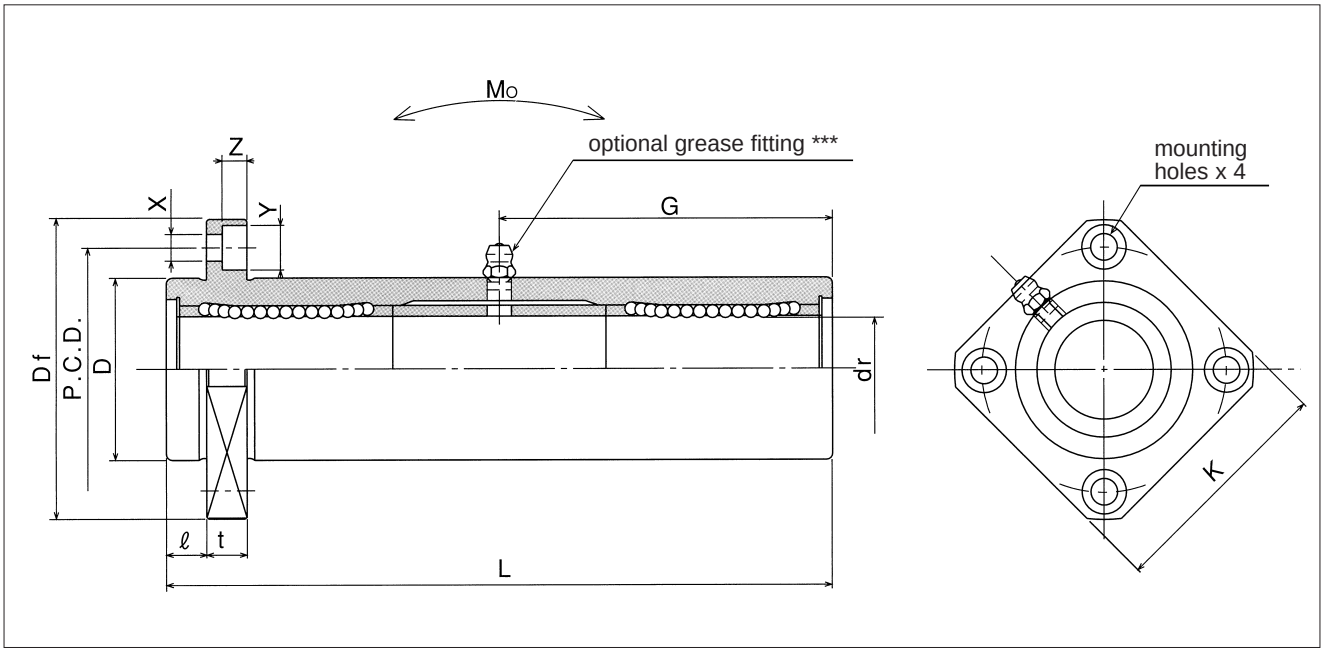
part number structure example

TRK | 25 | G | UU | - | E | - | Q

- TRK: TRK type
- 25: inner contact diameter
- G: retainer material (blank: steel; G: resin)
- UU: seals on both sides
- E: with pilot end
- Q: grease fitting (blank: without; Q: grease fitting)

part number*		dr		D		L	ℓ
steel retainer	resin retainer	mm	tolerance μm	mm	tolerance μm	±0.3 mm	mm
TRK 6UU-E	**TRK 6GUU-E**	6	0 −12	15	0/−18	51	5
TRK 8UU-E	**TRK 8GUU-E**	8		19	0 −21	66	6
TRK10UU-E	**TRK10GUU-E**	10		23		80	6
TRK12UU-E	**TRK12GUU-E**	12	0 −15	26		84	6
TRK13UU-E	**TRK13GUU-E**	13		28		90	6
TRK16UU-E	**TRK16GUU-E**	16		32	0 −25	103	8
TRK20UU-E	**TRK20GUU-E**	20	0 −18	40		118	8
TRK25UU-E	**TRK25GUU-E**	25		45		165	10
TRK30UU-E	**TRK30GUU-E**	30		52	0 −30	182	10
TRK35UU-E	**TRK35GUU-E**	35	0 −21	60		200	13
TRK40UU-E	**TRK40GUU-E**	40		65		230	13
TRK50UU-E	**TRK50GUU-E**	50		85	0 −35	290	18
TRK60UU-E	**TRK60GUU-E**	60	0/−25	100		310	18

* UU type is standard feature.
** Outer cylinder is electroless nickel plated.
*** TRK6~8-E: A-MT6x1 TRK10~30-E: A-M6F TRK35~60-E: A-PT1/8



major dimensions					grease fitting	eccentricity	perpen-dicularity	basic load rating		allowable static moment	mass	shaft diameter
flange								dynamic	static			
Df	K	t	P.C.D.	X×Y×Z	G			C	Co	Mo		
mm	mm	mm	mm	mm	mm	μm	μm	N	N	N・m	g	mm
32	25	5	24	3.5×6×3.1	20.5	20	20	323	530	8.2	58	6
40	30	6	29	4.5×7.5×4.1	29			431	784	16.0	117	8
43	34	6	33	4.5×7.5×4.1	38			588	1,100	27.0	189	10
46	35	6	36	4.5×7.5×4.1	41			813	1,570	40.1	228	12
48	37	6	38	4.5×7.5×4.1	45			813	1,570	42.9	286	13
54	42	8	43	5.5×9×5.1	51	25	25	1,230	2,350	73.5	376	16
62	50	8	51	5.5×9×5.1	59			1,400	2,740	98.0	714	20
74	58	10	60	6.6×11×6.1	82.5			1,560	3,140	157	1,163	25
82	64	10	67	6.6×11×6.1	91			2,490	5,490	297	1,543	30
96	75	13	78	9×14×8.1	100	30	30	2,650	6,270	373	2,400	35
101	80	13	83	9×14×8.1	115			3,430	8,040	553	2,510	40
129	100	18	107	11×17×11.1	145			6,080	15,900	1,370	6,400	50
144	116	18	122	11×17×11.1	155			7,550	20,000	1,800	9,200	60

1N≒0.102kgf　1N・m≒0.102kgf・m