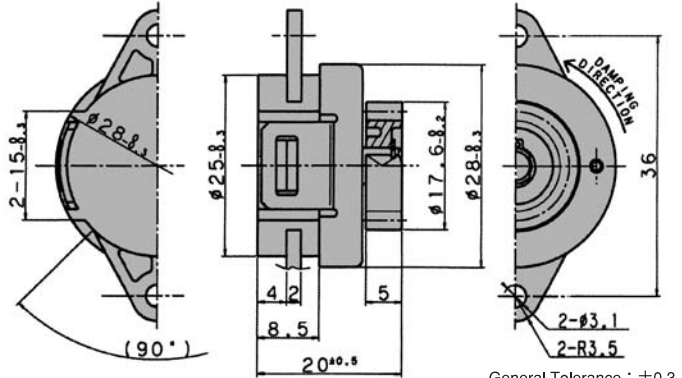


ROTARY DAMPERS

TD62 SERIES



- FEATURES**
- RoHS compliance
 - Wide range of torque



General Tolerance : ± 0.3

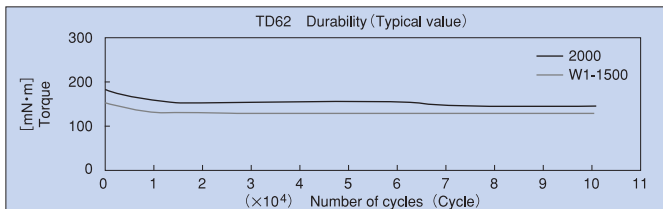
Code	Part No.	Torque [mN·m] (gf·cm)	Direction	(min ⁻¹) Allowable revolution speed
606217	TD62R1-300	[30] (310)	CW (R)	80
606218	TD62L 1-300		CCW (L)	
606219	TD62R1-600	[60] (610)	CW (R)	80
606220	TD62L 1-600		CCW (L)	
606222	TD62R1-900	[90] (920)	CW (R)	70
606221	TD62L 1-900		CCW (L)	
606226	TD62R1-1500	[150] (1530)	CW (R)	50
606225	TD62L 1-1500		CCW (L)	
606228	TD62R1-2000	[200] (2040)	CW (R)	50
606227	TD62L 1-2000		CCW (L)	
*606236	TD62W1-600	[60] (610)	CW (R)	80
*606237	TD62W1-1500	[150] (1530)	CCW (L)	50

*Bidirection type. Able to supply. TD62 with different torque.
 *CW (R) → Damping effect is available when the gear is rotated in CW. (Cap color: Dark grey)
 *CCW (L) → Damping effect is available when the gear is rotated in CCW. (Cap color: Grey)

Gear Specification	
Profile of Gear	Standard Spur Gear
Tooth Profile	Full Depth Tooth
Module	1
Pressure Angle	20°
Number of Teeth	15
P.C.D [mm]	$\phi 15$
Shift	+0.3
Displacement over given Number of Teeth [mm]	4.84/2

DURABILITY

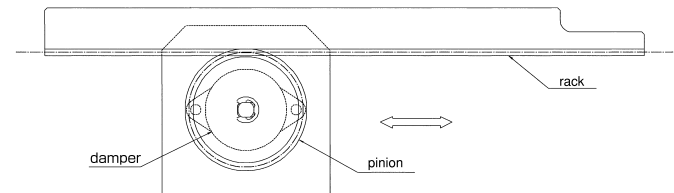
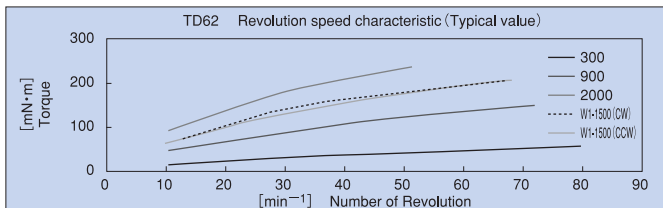
The torque is measured by a TOK made device at 30min-1 (30 rpms)



Durability	100,000cycles	
Part No.	[mN·m] Initial torque (gf·cm)	(min ⁻¹) Revolution speed
TD62R1/L1-300	[21~39] (214~397)	30
TD62R1/L1-600	[45~75] (459~765)	
TD62R1/L1-900	[72~108] (734~1,102)	
TD62R1/L1-1500	[120~180] (1,224~1,836)	
TD62R1/L1-2000	[160~240] (1,632~2,448)	
TD62W1-600	[45~75] (459~765)	
TD62W1-1500	[120~180] (1,224~1,836)	

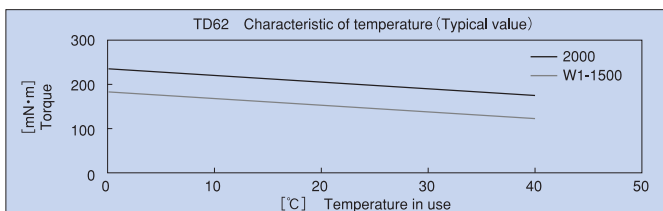
SPEED REVOLUTION CHARACTERISTICS

Measurements of torque are taken after each revolution per minute using the TOK-made device for measuring Torque.



TEMPERATURE CHARACTERISTICS

After the damper is stabilized at room temperature for 1 hour or more, the torque at 30min-1 (30rpm) is measured using a TOK made device.



TEST CONDITION

- ① Test method : Gear test by rack and pinion
- ② Number of cycle : 100,000cycles
- ③ Length of rack : $\ell = 50\text{mm}$
- ④ Moving speed : 24mm/sec
- ⑤ Revolution per minute : 30min⁻¹
- ⑥ Pinion : Same as the above gear specification
- ⑦ Radial force : 5N(0.5kgf·cm)
- ⑧ Torque after the test : 0.12N·m or more (30min⁻¹)
- ⑨ Number of revolution per cycle : approx 1 rev.(one-way)

TOK BEARING CO.,LTD.

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 EMAIL : overseas@tok-bearing.co.jp

Product specification are subject to change without prior notice.

Before assembly or use of any bearing, please read "Caution for Use"