

TORQUE LIMITER

Dimensions

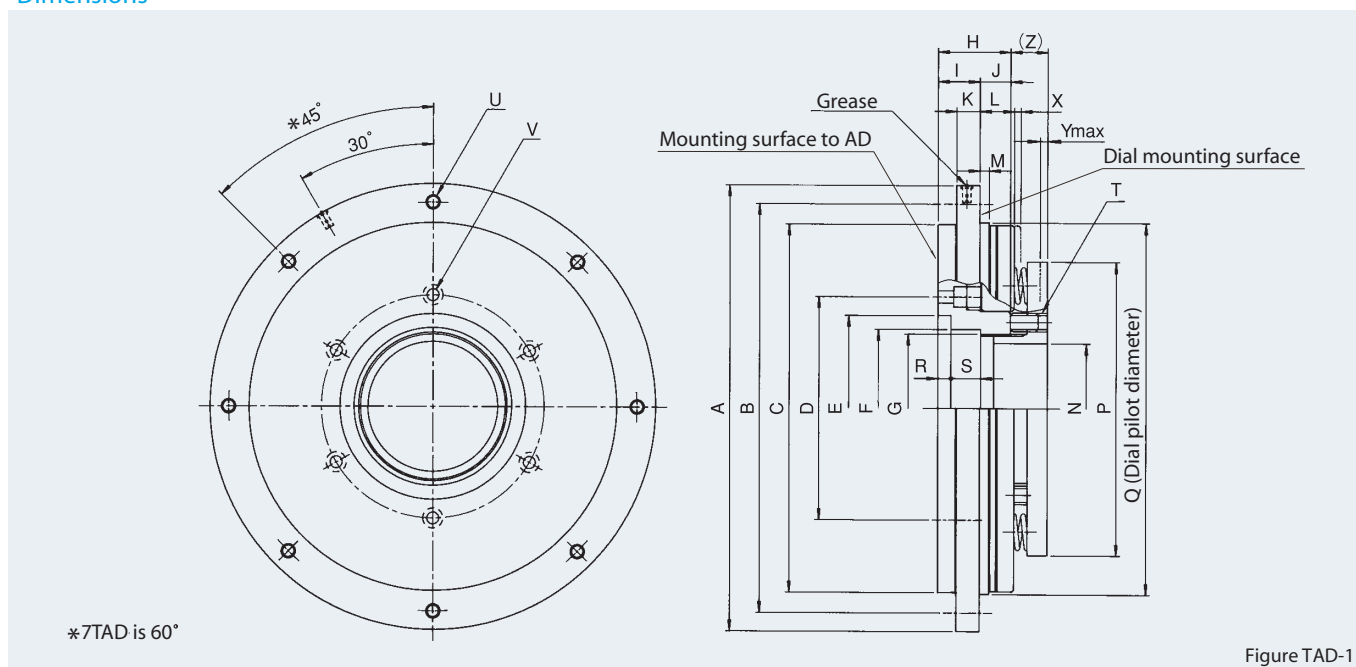


Figure TAD-1

Table of dimensions

Table TAD-1

Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	P	Q	R	S	T	U	V	X	Y _{max}	Z
7TAD	φ180	φ168	φ152	φ85	φ70 H7	φ60	M55 ×2	33	19	14	10.5	14	5	φ47	φ107	φ155 h7	7	10	4- M5	6-M5 ×0.8	6- 6.6DR.	3	5	16.5
9TAD	φ240	φ220	φ198	φ120	φ100 H7	φ85	M80 ×2	39	22.5	16.5	12.5	17.5	5	φ70	φ158	φ200 h7	7	16	4- M10	8-M8 ×1.25	6- 6.6DR.	3.5	7	23
11TAD	φ285	φ260	φ229	φ150	φ120 H7	φ108	M105 ×2	44	25	19	14.5	20	6	φ95	φ186	φ235 h7	12	13	4- M10	8-M10 ×1.5	6- 9DR.	3.7	7.5	26
15TAD	φ395	φ365	φ328	φ210	φ172 H7	φ155	M145 ×2	64	37	27	20	27	6	φ130	φ256	φ335 h7	12	33	4- M10	8-M12 ×1.75	6- 11DR.	5.5	7	26
19TAD	φ480	φ450	φ419	φ260	φ230 H7	φ186	M180 ×2	80	42	38	21	33	8	φ166	φ326	φ420 h7	16	43	4- M10	8-M12 ×1.75	8- 14DR.	5.6	7	31
23TAD	φ555	φ525	φ494	φ336	φ275 H7	φ262	M260 ×2	82	47	35	25	35	9	φ246	φ402	φ495 h7	17	44	4- M10	8-M14 ×2	8- 14DR.	6.5	8	36

(Unit: mm)

Specifications

Table TAD-2

Model	Code	Range of tripping torque (N·m)	Thread pitch on torque adjusting nut (mm)	Max. allowable radial load (N)	Max. allowable thrust load (N)	Max. allowable bending moment (N·m)	Max. revolution per minute (r.p.m.)	Moment of inertia (kg·m ²)	Mass (kg)
7TAD	7TAD-15L	40 ~ 150	2	2450	2950	45	200	0.02	4.5
	7TAD-25H	100 ~ 250							
9TAD	9TAD-20L	60 ~ 200	2	5200	5000	100	200	0.07	9.6
	9TAD-45H	140 ~ 450							
11TAD	11TAD-23L	90 ~ 230	2	7300	7000	180	200	0.15	15
	11TAD-60H	150 ~ 600							
15TAD	15TAD-100L	300 ~ 1000	2	11800	12000	430	140	0.8	43
	15TAD-220H	650 ~ 2200							
19TAD	19TAD-200L	500 ~ 2000	2	16800	17000	750	120	2.1	74
	19TAD-450H	1500 ~ 4500							
23TAD	23TAD-350L	1200 ~ 3500	2	24800	35000	1950	100	4.5	110
	23TAD-550H	2000 ~ 5500							

Precautions

- After adjusting the torque, make sure to tighten the set bolts.
- Specifications and dimensions are subject to change without notice. Please check with Sankyo sales before ordering.

X : When an overload occurs, the overload detection panel moves X mm. This movement is used to activate a sensing device and thereby allows the user to take appropriate measures in the control logic.

(Z) : This dimension indicates the height when the spring is free and should be referred to when calculating tripping torque.

Y_{max} : This dimension indicates tightening length when tripping torque is maximum. If tightening more than this figure, the torque limiter does not operate.