

## Viscous Damper D 47

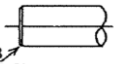
Operating temperature:-30~80°C

Body material: Iron (SPFC)

Rotating shaft material: Nylon (with glass)

Oil Type: Silicone oil

Type	Model	Rated torque(N·m)	Damping direction	Size (mm)							Weight (g)		
				A	B	C	D	E	F	G		H	I
D47	DA10-20110-000	0,5	Both directions	65	56	□8	2-R4.5	2-φ4.5	φ47	φ42.8	10	1,6	50
	DA10-20120-000	1											
	DA10-20130-000	1,6											
	DA10-20140-000	2											
	DA10-20150-000	0,5	Clockwise			φ6							55
	DA10-20160-000		Counter-Clockwise										
	DA10-20170-000	1	Clockwise										
	DA10-20180-000		Counter-Clockwise										
	DA10-20190-000	1,6	Clockwise										
	DA10-20200-000		Counter-Clockwise										
	DA10-20210-000	2	Clockwise										
	DA10-20220-000		Counter-Clockwise										

Recomended shaft dimensions	D 47
Shaft's external dimension	$\phi 6 \begin{matrix} 0 \\ -0.03 \end{matrix}$
Surface hardness	HRC 55 or higher
Quenching Depth	0,5 mm or higher
Surface Roughness	1,0Z or lower
(Damper insertion side)	$\begin{matrix} C0.2 \sim C0.3 \\ (or R0.2 \sim R0.3) \end{matrix}$ 

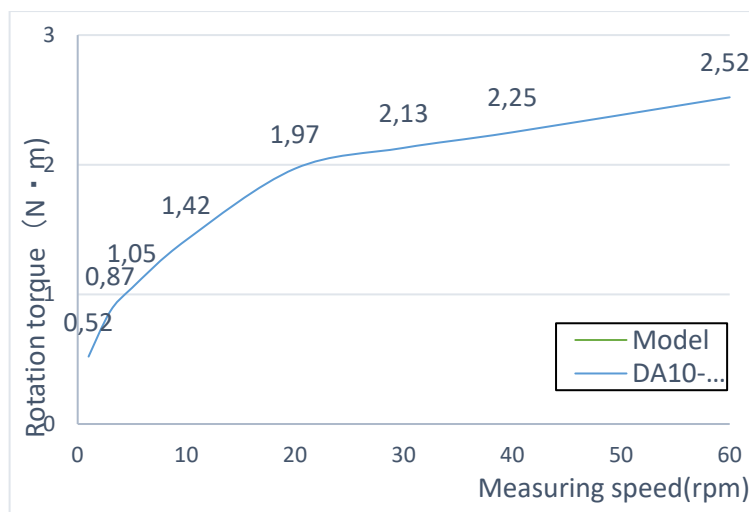
Measurement conditions for the motion-time graph

Measurement temperature:  $23 \pm 3^\circ\text{C}$

Load characteristic-Reference

Rotation torque: N/m

Measuring speed: rpm



Temperature characteristics-Reference

