

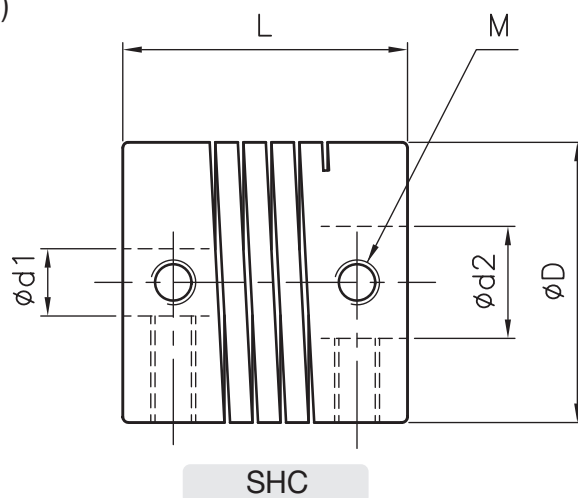
# Helical Coupling

## Specification and Dimension

### Specification (SHC)

Type	Commercial torque (N.m)	Max. torque (N.m)	Torsional stiffness (N.m/rad)	Inertia moment (kg m <sup>2</sup> )	Mounting tolerance			Mass (g)	Revolution per minute (rpm)
					Eccentricity (mm)	Deflection angle (°)	Axial displacement (mm)		
SHC-12	0.3	0.6	4.0	$9.3 \times 10^{-8}$	0.25	5	±0.25	4	10000
SHC-16	0.4	0.8	8.0	$2.9 \times 10^{-7}$	0.25	5	±0.25	8	10000
SHC-19	0.6	1.2	13.4	$6.9 \times 10^{-7}$	0.25	5	±0.25	13	10000
SHC-22	1.0	2.0	21.4	$1.4 \times 10^{-6}$	0.25	5	±0.25	20	10000
SHC-25	1.6	3.2	30.5	$2.8 \times 10^{-6}$	0.25	5	±0.25	29	10000
SHC-29	2.3	4.6	47.6	$5.4 \times 10^{-6}$	0.25	5	±0.25	42	10000
SHC-32	2.5	5.0	64	$8.8 \times 10^{-6}$	0.25	5	±0.25	55	10000
SHC-34	3.0	6.0	77	$1.1 \times 10^{-5}$	0.25	5	±0.25	60	10000
SHC-39	6.0	12	116	$2.0 \times 10^{-5}$	0.25	5	±0.25	80	10000

### Dimension (SHC)



Type	External diameter (D)	Length (L)	Internal diameter		Set screw (M)	Coupling torque (N.m)
			d1	d2		
SHC-12	12.7	12.7	3~4	3~4	M3	0.7
SHC-16	16	16	3~5	3~5	M3	0.7
SHC-19	19	19.4	4~6.35	4~6.35	M3	0.7
SHC-22	22.2	22.4	4~6.35	4~6.35	M4	1.7
SHC-25	25	25.4	6~10	6~10	M4	1.7
SHC-29	29	29	6~12.7	6~12.7	M5	3.6
SHC-32	32	32	6~14	6~14	M5	3.6
SHC-34	34	34	6~16	6~16	M5	3.6
SHC-39	39	39	12~20	12~20	M6	7.0

※ The dimensions shown in the catalogue are subject to change without notice for product improvement. For any question, please contact Nara Drive.