

XHW-C/XHW-C-L/XHW-AC Flexible Couplings - Disk Type

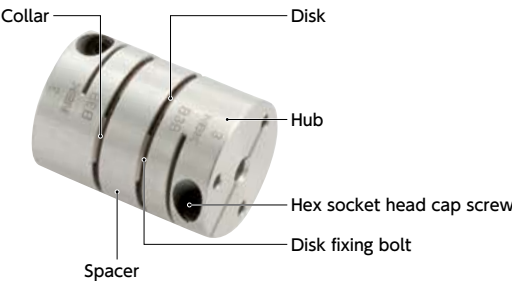
Zero Backlash
 High torque
 High Rigidity

Structure

Clamping Type

XHW-C Standard Type

XHW-C-L Long Type



Adapter + Clamping Type

XHW-AC



Recommended applicable motor

	XHW-C / XHW-C-L / XHW-AC
Servomotor	○
Stepping Motor	○
General-purpose Motor	●

○: Excellent ○: Very good ●: Available

Property

	XHW-C / XHW-C-L / XHW-AC
Zero Backlash	○
High-gain Supported	○
High Torque	○
High Torsional Stiffness	○
Allowable Misalignment	○

○: Excellent ○: Very good

- This is a disk type flexible coupling.
- High-torque specification with rated torque 1.5 times higher than conventional products.
- This is the most appropriate for a servomotor with instantaneous max. torque of 350%.
- The stainless steel disk allows eccentricity, angular alignment, and end-play.
- Standardized **XHW-AC** adapter type that also supports 1/10 taper shafts of servomotors.

Application

Actuator / Surface-mount machine / High precision XY stage / Index table

Material/Finish



	XHW-C / XHW-C-L	XHW-AC
Hub	A2017 Anodized	A2017 Anodized
Spacer	A2017 Anodized	A2017 Anodized
Disk Fixing Bolts	SCM435 Ferrosoferric Oxide Film (Black)	SCM435 Ferrosoferric Oxide Film (Black)
Disk	SUS304	SUS304
Collar	SUS304	SUS304
Adapter	-	SUS303
Hex Socket Head Cap Screw	SCM435 Ferrosoferric Oxide Film (Black)	SCM435 Ferrosoferric Oxide Film (Black)

Part number specification

XHW-34C-10-11

Product Code Size Bore Diameter

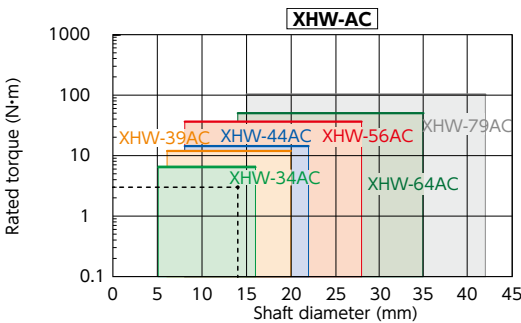
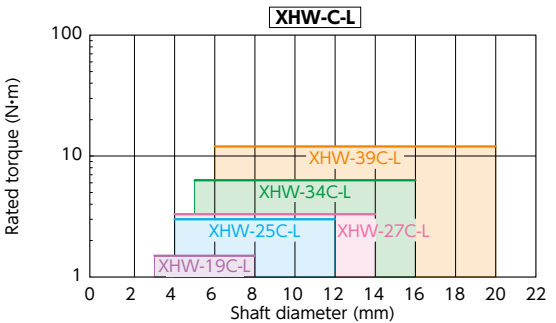
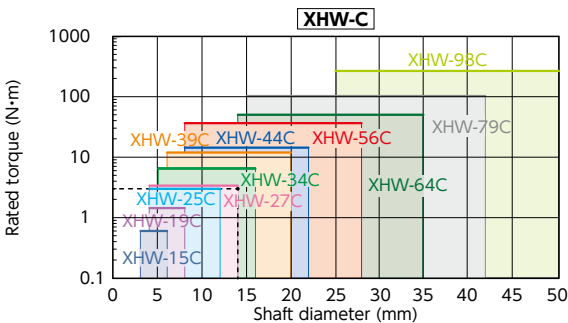
Please refer to dimensional table for part number specification.



Selection

Selection Based on Shaft Diameter and Rated Torque

The area bounded by the shaft diameter and rated torque indicates the selection size.



Selection Example

In case of selected parameters of shaft diameter of ϕ 14 and load torque of 3 N·m, the selected size is

XHW-27C.

Selection Based on the Rated Output of the Servomotor

XHW-C supports the servomotor with instantaneous max. torque increased to 350% of the rated torque and the size can be more reduced than the size of conventional product **XBW-C**.

Rated Output (W)	Servomotor Type				Servomotor Specifications*1			Selection Size	
	Mitsubishi Electric Corporation	YASKAWA Electric Corporation	SANYO DENKI Co., Ltd.	KEYENCE CORPORATION	Diameter of Motor Shaft (mm)	Rated Torque (N·m)	Instantaneous Max. Torque (N·m)	XHW-C	XBW-C
100	HG-KR	SGMJV	R2	SV	8	0.32	1.1	XHW-19C	XBW-25C
200					14	0.64	2.2	XHW-27C	XBW-34C
400					14	1.3	4.5	XHW-34C	XBW-39C
750					16 - 19	2.4	8.4	XHW-39C	XBW-44C

*1: Motor specifications are based on general values. For details, see the motor manufacturer's catalogs. This is the size for cases where devices such as reduction gears are not used.

Additional Keyway at Shaft Hole Please feel free to contact us	Cleanroom Wash & Packaging Please feel free to contact us	Change to Stainless Steel Screw Please feel free to contact us
---	--	---