

# XHW-C / XHW-C-L / XHW-AC Flexible Couplings - Disk Type New Variation Added

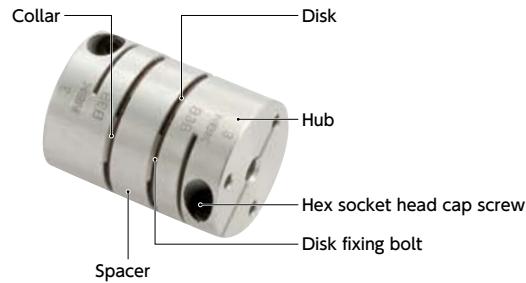
[WEB Selection Tool](#)
[WEB CAD Download](#)
[Zero Backlash](#)
[High torque](#)
[High Rigidity](#)

## Structure

- Clamping Type → P.xxxx

**XHW-C** Standard Type

**XHW-C-L** Long Type



- Adapter + Clamping Type

**XHW-AC** → P.xxxx



- Material/Finish

RoHS2 Compliant

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

- 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

- Part number specification

### XHW-34C-10-11

Product Code    Size    Bore Diameter

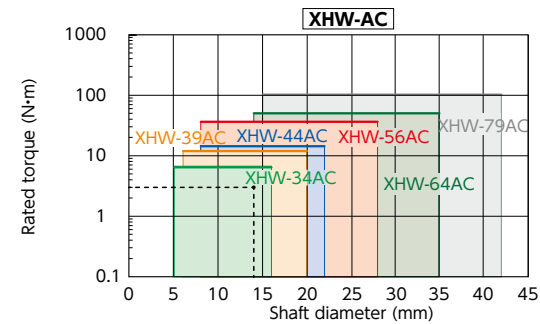
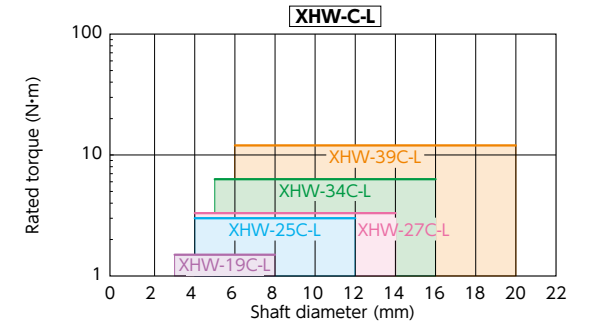
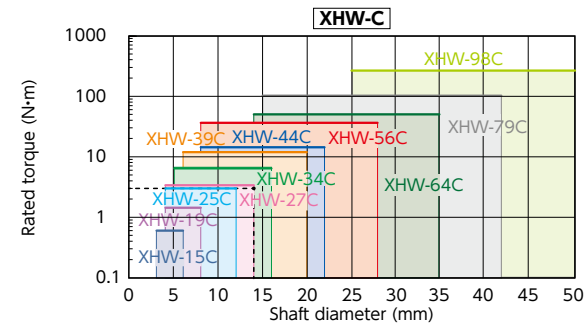
Please refer to dimensional table for part number specification.



## 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					8	0.32	1.1	XHW-19C	XBW-25C
200					14	0.64	2.2	XHW-27C	XBW-34C
400	HG-KR	SGMJV	R2	SV	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 → P.xxxx](#)
[Cleanroom Wash & Packaging → P.xxxx](#)
[Change to Stainless Steel Screw → P.xxxx](#)