

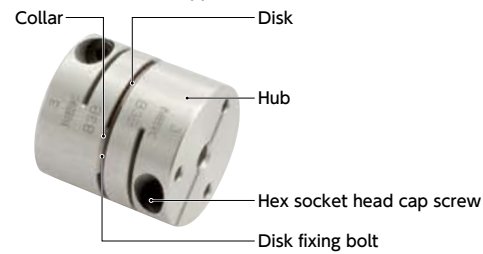
# XHS-C Flexible Couplings - Single - Disk Type

Zero Backlash High torque High Rigidity

## Structure

● Clamping Type → P.xxxx

**XHS-C** Short Type



### ● Recommended Applicable Motor

	XHS-C
Servomotor	○
Stepping Motor	○
General-purpose Motor	●

○: Excellent ○: Very good ●: Available

### ● Property

	XHS-C
Zero Backlash	○
High-gain Supported	○
High Torque	○
High Torsional Stiffness	○
Allowable Misalignment	○

○: Excellent ○: Very good

- This is a single 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, and angular misalignment, and end-play.

### ● Application

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

### ● Material/Finish



	XHS-C
Hub	A2017 Anodized
Disk Fixing Bolts	SCM435 Ferrosferric Oxide Film (Black)
Disk	SUS304
Collar	SUS304
Hex Socket Head Cap Screw	SCM435 Ferrosferric Oxide Film (Black)

### ● Part number specification

**XHS-27C-10-11**

Product Code    Size    Bore Diameter

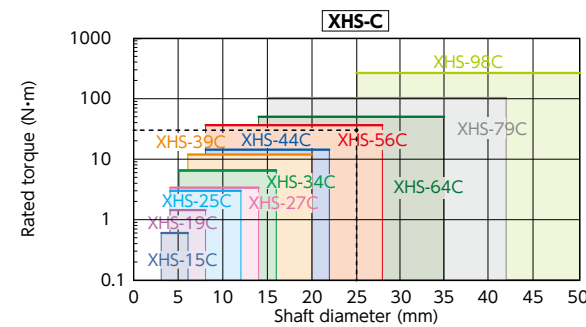
Please refer to dimensional table for part number specification.



## 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  $\phi$  25 and load torque of 30 N·m, the selected size is

**XHS-56C**.

### ● Selection Based on the Rated Output of the Servomotor

**XHS-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 **XBS-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)	XHS-C	XBS-C
100					8	0.32	1.1	XHS-19C	XBS-25C
200	HG-KR	SGMJV	R2	SV	14	0.64	2.2	XHS-27C	XBS-34C
400					14	1.3	4.5	XHS-34C	XBS-39C
750					16 - 19	2.4	8.4	XHS-39C	XBS-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 Available / Add'l charge    Cleanroom Wash & Packaging → P.xxxx Please feel free to contact us    Change to Stainless Steel Screw → P.xxxx Please feel free to contact us