

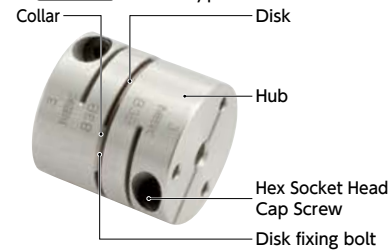
XHS Flexible Coupling - Single Disk Type Additional Size

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

Structure

- Clamping type → P.78

XHS-C Short Type



● Applicable motors

	XHS
Servomotor	◎
Stepping Motor	◎
General-Purpose Motor	◎

◎: Excellent ○: Very good

● Property

	XHS
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 the instantaneous max. torque of 350%.
- The stainless steel disk allows the eccentricity, angular misalignment, and end-play.

● Application

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

● Material/Finish



	XHS
Hub	A2017 Alumite Treatment
Disk fixing bolt	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

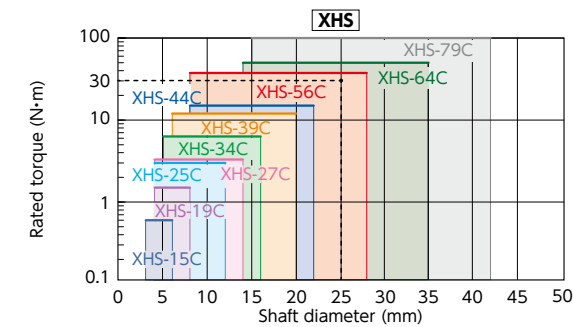
Please refer to dimensional table for part number specification.



Selection

● Selection based on shaft diameter and rated torque

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



● Selection Example

In case of selected parameters of shaft diameter of ϕ 25 and load torque of 30 N·m, the selected size is

XHS-56C.

● Selection based on the rated output of the servomotor

XHS 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**.

Rated Output (W)	Servomotor type				Servomotor Specifications*			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					14	0.64	2.2	XHS-27C	XBS-34C
400	HG-KR	SGMJV	R2	SV	14	1.3	4.5	XHS-34C	XBS-39C
750					16 - 19	2.4	8.4	XHS-39C	XBS-44C

*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.78](#)
 [Cleanroom Wash & Packaging → P.792](#)
 [Change to Stainless Steel Screw → P.790](#)
 Available / Add'l charge Available / Add'l charge Please feel free to contact us