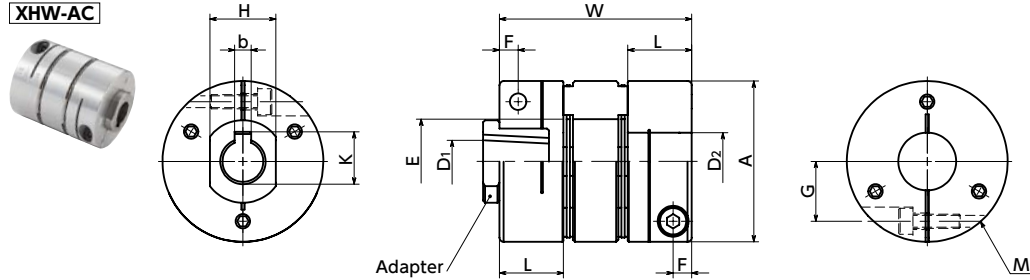


XHW-AC Flexible Couplings - Disk Type - Adapter + Clamping Type

Zero Backlash High torque High Rigidity


























































































XHW-AC



Dimensions

Unit : mm

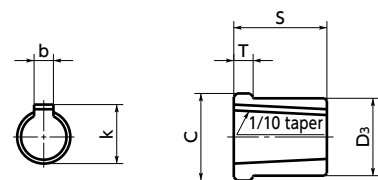
| Part Number | A | L | W | E | F | G | M | Adapter | | | | | Screw Tightening Torque (N · m) |
|-------------|----|------|------|------|------|------|----|---------|----|----|---|----|------------------------------------|
| | | | | | | | | D3 | C | S | T | H | |
| XHW-34AC | 34 | 12.5 | 36.8 | 16.5 | 3.75 | 13 | M3 | 16 | 20 | 16 | 4 | 18 | 1.5 |
| XHW-39AC | 39 | 15.5 | 46.6 | 20.5 | 4.5 | 14.5 | M4 | 16 | 20 | 16 | 4 | 18 | 3.5 |
| XHW-44AC | 44 | 15.5 | 46.6 | 22.5 | 4.5 | 17 | M4 | 16 | 20 | 16 | 4 | 18 | 3.5 |
| XHW-56AC | 56 | 20.5 | 61.2 | 28.5 | 6 | 21 | M5 | 24 | 30 | 29 | 6 | 27 | 8 |
| XHW-64AC | 64 | 24 | 74.4 | 36 | 7 | 24 | M6 | 24 | 30 | 29 | 6 | 27 | 13 |
| XHW-79AC | 79 | 30 | 97.2 | 43 | 8.75 | 29 | M8 | 24 | 30 | 29 | 6 | 27 | 28 |

| Part Number | Standard Bore Diameter D1  | Standard Bore Diameter D2  | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| | | 5 | 6 | 6.35 | 8 | 9.525 | 10 | 11 | 12 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 22 | 24 | 25 | 28 | 30 | 32 | 35 | 38 | 40 | 42 | |
| XHW-34AC | 11T |  |  |  |  |  |  |  |  |  |  |  | | | | | | | | | | | | | | | |
| XHW-39AC | 11T | |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | | | | | | | | | | |
| XHW-44AC | 11T | | | |  |  |  |  |  |  |  |  |  |  |  |  |  | | | | | | | | | | |
| XHW-56AC | 16T | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | | | | | | |
| XHW-64AC | 16T | | | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | | | | |
| XHW-79AC | 16T | | | | | | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |

- All products are provided with adapter and hex socket head cap screws.
- Recommended tolerance for shaft diameters is h6 and h7.
- Bore and keyway modifications are available on request for D2 only. Please take advantage of our modification services.
- Bore and keyway modifications are available on request. Please contact our customer service.
- For the shaft insertion amount to the coupling, see Mounting/maintenance.

| Standard Bore Diameter D1 | Keyway | | | |
|------------------------------|----------------------|-----------------|----------------------|-----------|
| | b | | k | |
| | Reference Dimensions | Allowance (JS9) | Reference Dimensions | Allowance |
| 11T | 4 | ±0.0150 | 12.7 | 0 - +0.1 |
| 16T | 5 | ±0.0150 | 18.3 | 0 - +0.2 |

Adapter Details



Performance

| Part Number | Max. Bore Diameter (mm) | Rated Torque *1 (N · m) | Max. Rotational Frequency (min ⁻¹) | Moment*2 of Inertia (kg·m ²) | Static Torsional Stiffness (N · m/rad) | Max. Lateral Misalignment (mm) | Max. Angular Alignment (°) | Allowable End-Play (mm) | Mass *2 (g) |
|-------------|----------------------------|----------------------------|--|--|--|--------------------------------------|----------------------------------|-------------------------------|----------------|
| XHW-34AC | 16 | 6.3 | 18000 | 1.3×10 ⁻⁵ | 2500 | 0.2 | 2 | ±0.5 | 92 |
| XHW-39AC | 20 | 12 | 16000 | 2.9×10 ⁻⁵ | 4700 | 0.25 | 2 | ±0.5 | 140 |
| XHW-44AC | 22 | 15 | 14000 | 4.7×10 ⁻⁵ | 6400 | 0.25 | 2 | ±0.6 | 173 |
| XHW-56AC | 28 | 37.5 | 11000 | 1.7×10 ⁻⁴ | 12000 | 0.3 | 2 | ±0.7 | 413 |
| XHW-64AC | 35 | 50 | 9800 | 3.3×10 ⁻⁴ | 15000 | 0.35 | 2 | ±0.9 | 563 |
| XHW-79AC | 42 | 100 | 7900 | 1.0×10 ⁻³ | 22000 | 0.5 | 2 | ±1.1 | 1173 |

*1 : Correction of rated torque due to load fluctuation is not required.

The shaft's slip torque may be smaller than the coupling's rated torque depending on the shaft bore. → P.xxxx

*2 : These are values with max. bore diameter.

⚠ Precautions for Use

- In case of mounting on D-cut shaft, be careful about the position of the D-cut surface of the shaft. → P.xxxx
- There are sizes where the hex socket head bolt exceeds the outer diameter of the coupling and the rotating diameter is larger than the outer diameter. Please be careful of the interference of coupling. → P.xxxx

- Part number specification

XHW-34AC-11T-10

1 D1 2 D2 3

| | | |
|--|-------------------------------------|--|
| Additional Keyway at Shaft Hole → P.xxxx | Cleanroom Wash & Packaging → P.xxxx | Change to Stainless Steel Screw → P.xxxx |
| Please feel free to contact us | Please feel free to contact us | Available / Add'l charge |