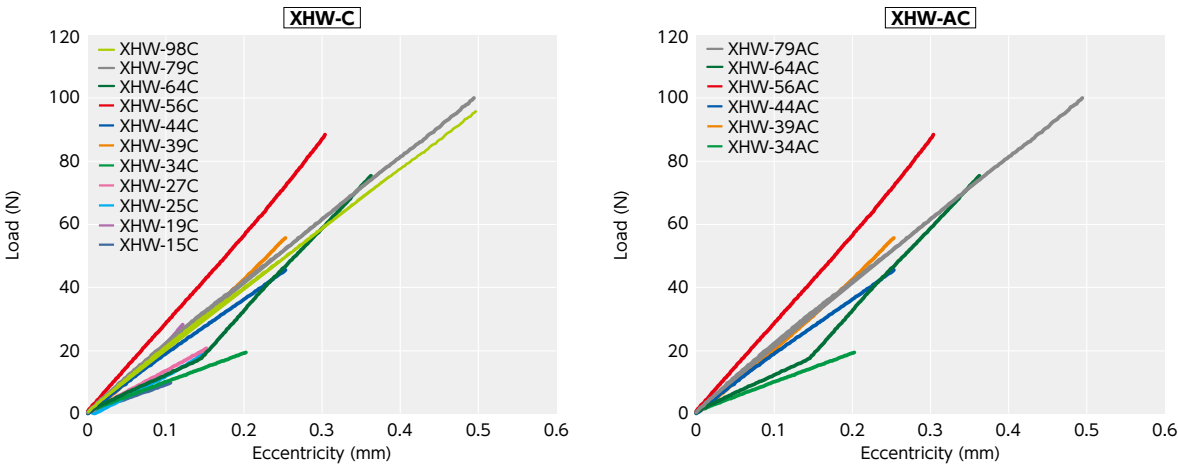


XHW-C/XHW-C-L/XHW-AC Flexible Couplings - Disk Type

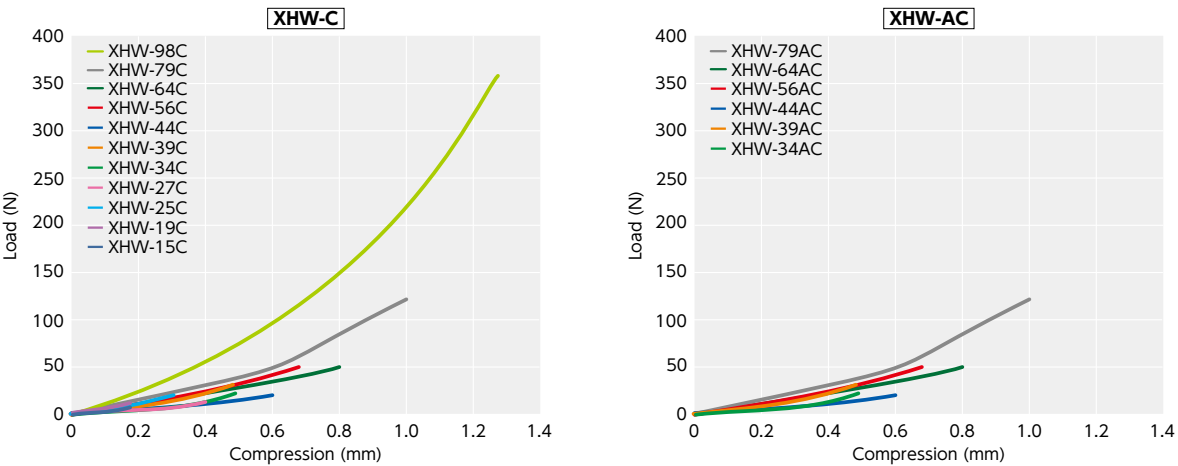
 Zero Backlash
  High torque
  High Rigidity

Technical Information

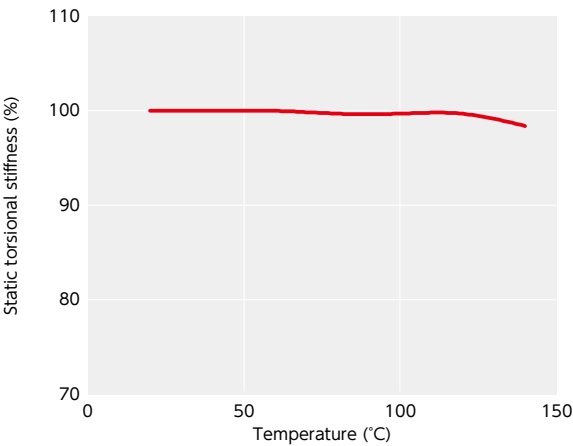
• Eccentric Reaction Force



• Thrust Reaction Force



• Change in static torsional stiffness due to temperature



This is a value under the condition where the static torsional stiffness at 20°C is 100%. The change of **XHW-C** **XHW-AC** in torsional stiffness due to temperature is small and the change in responsiveness is extremely small. If the unit is used under higher temperature, be careful about misalignment due to elongation or deflection of the shaft associated with thermal expansion.

• Slip Torque

As in the table below, the clamping types **XHW-C** and **XHW-C-L** have different slip torque according to the bore diameter. Take care during selection.

Outside Diameter	Bore Diameter (mm)																						
	3	4	5	6	6.35	8	9.525	10	11	12	14	15	16	25	28	30	32	35	38	40	42	45	
15	0.7																						
19	0.7	1.7	3																				
25		2.5	3.6	4.7	5																		
27		2	2.9	4	4.2	5.8																	
34			3.5	4.9	5.5	7.9	10	11	12														
39				6	8	13	18	19	23														
44						8	13	15	20	26													
56							22	34	37	45	55	66											
64									23	42	60	88											
79											140	150	180										
98														120	140	150	170	190	210	220	240	260	

- These are test values based on the conditions of shaft dimensional allowance: h7, hardness: 34 - 40 HRC, and screw tightening torque of the values described in **XHW-C** **XHW-C-L** dimension tables. They are not guaranteed values.
- Slip torque changes with usage conditions. Carry out tests under conditions similar to actual conditions in advance.

• Comparison of static torsional stiffness (double disk-type)

XHW-C **XHW-AC** has high static torsional stiffness and responsiveness. Optimal for high-speed and precision positioning for servomotors, etc.

