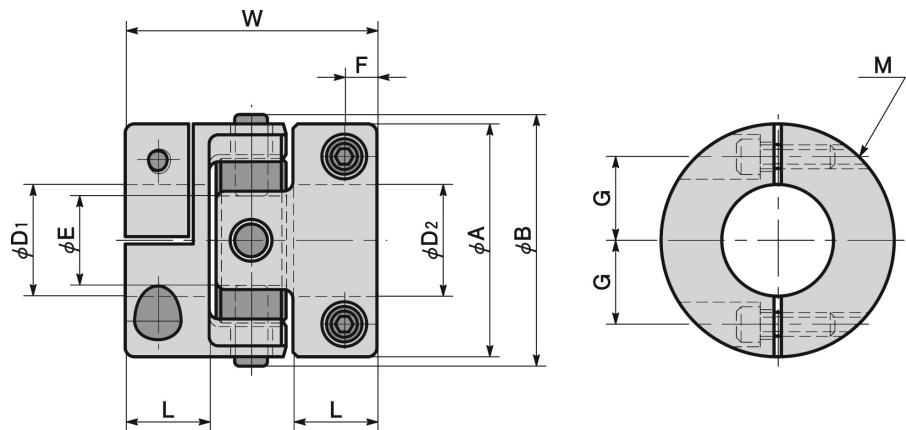


XUT

COUPLINGS

Cross Joint Type Flexible Coupling

Backlash Free, Cap Screw Fixing : 0.3 - 12Nm, 3 - 20mm Bores



Part Number	To Replace MCT	Max Rotational Frequency (min ⁻¹)	Moment of Inertia [†] (kg•m ²)	Static Torsional Stiffness (N•m/rad)	Max. Parallel Offset (mm)	Max. Working Angle	Mass [†] (g)
XUT-15C	-	42000	2.3 x 10 ⁻⁷	200	0.2	1°	8
XUT-20C	MCT20-C	31000	8.1 x 10 ⁻⁷	400	0.2	1°	16
XUT-25C	MCT25-C	25000	2.7 x 10 ⁻⁶	900	0.2	1°	33
XUT-30C	-	21000	6.2 x 10 ⁻⁶	1300	0.2	1°	53
XUT-35C	MCT32-C	18000	1.3 x 10 ⁻⁵	2200	0.2	1°	81
XUT-40C	MCT40 & 50-C	15000	2.6 x 10 ⁻⁵	2300	0.2	1°	120

† Based on maximum bore dimensions.

Discounts: 6+ -10% 16+ -15% 41+ -20% 100+ -25%

Part Number	Standard Bores ØD ₁ ØD ₂	Max. Bores ØD ₁ ØD ₂	A	B	L	W	E	F	G	M	Wrench Torque (N•m)	Rated [‡] Torque (N•m)	Max [‡] Torque (N•m)	Price Each 1 - 5
XUT-15C	3 x 3	6	15	16	6.0	18	4	2.5	5.2	M2	0.5	0.3	0.6	£110.41
XUT-20C	4 x 4	8	20	22	7.0	20	7	2.7	6.5	M2	0.5	0.6	1.2	£116.60
XUT-25C	5 x 5	12	25	27	9.0	27	10	3.5	9.0	M2.5	1.0	1.2	2.4	£125.66
XUT-30C	6 x 6	14	30	32	9.5	30	10	4.0	10.5	M3	1.5	2.4	4.8	£131.94
XUT-35C	8 x 8	16	35	37	11.5	35	13	5.0	12.5	M4	2.5	4.0	8.0	£153.06
XUT-40C	10 x 10	20	40	42	12.5	40	15	5.5	15.0	M4	2.5	6.0	12.0	£159.63

‡ Adjustment of rated and maximum torque specifications for load fluctuations not required.

Material

Hub: Aluminium A2017 **Spacer:** Stainless Steel SUS304. **Bearing Pin:** Hardened Steel SUJ2. **Bush:** Abrasion resistant polyimide.
Cap Screw: Steel SCM435 Black Oxide Coating.

Extras

Anodised hub coating. Stainless Steel Capscrews. Bore and keyway modifications available on request.

Other Info.

This product replaces the former MCT Cross-joint coupling range.

Identical clockwise and counter-clockwise rotational characteristics.

Recommended tolerance for shaft diameters is h6 and h7.

Small eccentric reaction force reduces shaft and bearing load.

High torque, high static torsional stiffness, high response, high vibration absorption.

Slippage between the bush and pin allows for parallel and angular misalignments.

Minimised load on shaft caused by misalignments.

Low backlash through high precision fit of pin and bush maintained for a long time.

Minimal change in static torsional stiffness caused by temperature but high temperatures may cause misalignment due to shaft distortion or elongation by thermal expansion.

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Product information updated 1st April 2011 and subject to change. Please contact Sales for the latest prices and availability.