

Torsionally-Stiff Couplings HU

Material:

Up to $D_1 = 28$ mm hubs made from brass, chromated and passivated.
From $D_1 = 41.4$ mm aluminium alloy with iridite NCP finish.

Torque disc made from black polyacetal.

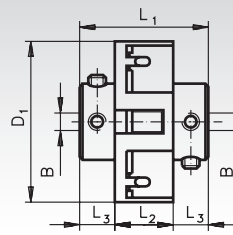
These unique, zero backlash, general purpose couplings provide electrical insulation. They are designed for the lower torque range and offer generous angular and radial misalignment compensation. Their axial stiffness is unique and they can anchor unrestricted shafts or perform light push/pull duties

Applications: pulse-triggered drive units (e.g. stepper motors, transducers, engine speed sensors, potentiometers).

Temperature range: -20°C to $+60^{\circ}\text{C}$.

Ordering Details: e.g.: Product No. 601 002 00, Coupling HU, 2 mm Bore

Set-screw style



Product No.	Torque max. ²⁾ Nm	Static Break Torque Nm	Bore $B^{+0.03}$ mm	L_1 mm	L_2 mm	L_3 mm	D_1 mm	max. Compensation at 3000min^{-1} ¹⁾		Torsional Stiffness Nm/rad	Weight g
								Angular \pm Degrees	Radial \pm mm		
601 002 00	0,3	0,9	2	14,2	5,1	4,6	18	2	0,2	25	7
601 003 00	0,3	0,9	3	14,2	5,1	4,6	18	2	0,2	25	7
601 004 00	0,3	0,9	4	14,2	5,1	4,6	18	2	0,2	25	7
601 007 00	1,7	5	3	19,1	6,9	6,1	28	2	0,2	92	16
601 008 00	1,7	5	4	19,1	6,9	6,1	28	2	0,2	92	16
601 009 00	1,7	5	6	19,1	6,9	6,1	28	2	0,2	92	16
601 010 00	1,7	5	8	19,1	6,9	6,1	28	2	0,2	92	16
601 013 00	3,5	10,5	6	28,4	11,2	8,6	41,4	2	0,25	299	30
601 014 00	3,5	10,5	8	28,4	11,2	8,6	41,4	2	0,25	299	30
601 015 00	3,5	10,5	10	28,4	11,2	8,6	41,4	2	0,25	299	30
601 018 00	3,5	10,5	12	28,4	11,2	8,6	41,4	2	0,25	299	30

¹⁾ At lower speeds the couplings can compensate up to ± 1 mm radial and 10° angular displacement.

²⁾ Operating factors: see coupling HB.

Torsionally-Stiff Couplings HB

Material:

Up to $D_1 = 28$ mm hubs made from brass, chromated and passivated.
From $D_1 = 41.4$ mm aluminium alloy with iridite NCP finish.

Torque disc made from black polyacetal.

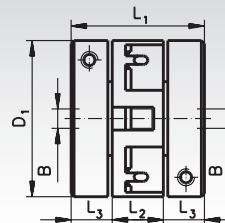
These unique, zero backlash, general purpose couplings provide electrical insulation. They are designed for the lower torque range and offer generous angular and radial misalignment compensation. Their axial stiffness is unique and they can anchor unrestricted shafts or perform light push/pull duties

Applications: pulse-triggered drive units (e.g. stepper motors, transducers, engine speed sensors, potentiometers).

Temperature range: -20°C to $+60^{\circ}\text{C}$.

Ordering Details: e.g.: Product No. 601 103 00, Coupling HB, 3 mm Bore

Clamp style (bore 16 in set-screw style)



Product No.	Torque max. ²⁾ Nm	Static Break Torque Nm	Bore $B^{+0.03}$ mm	L_1 mm	L_2 mm	L_3 mm	D_1 mm	max. Compensation at 3000min^{-1} ¹⁾		Torsional Stiffness Nm/rad	Weight g
								Angular \pm Degrees	Radial \pm mm		
601 103 00	0,3	0,9	3	19,1	5,1	7	19,1	2	0,2	25	11
601 104 00	0,3	0,9	4	19,1	5,1	7	19,1	2	0,2	25	11
601 106 00	0,3	0,9	6	19,1	5,1	7	19,1	2	0,2	25	11
601 108 00	1,7	5	4	25,4	6,9	9,3	28	2	0,2	92	26
601 109 00	1,7	5	6	25,4	6,9	9,3	28	2	0,2	92	26
601 110 00	1,7	5	8	25,4	6,9	9,3	28	2	0,2	92	26
601 114 00	3,5	10,5	8	38,1	11,1	13,5	41,4	2	0,25	299	40
601 115 00	3,5	10,5	10	38,1	11,2	13,5	41,4	2	0,25	299	40
601 116 00	3,5	10,5	12	38,1	11,2	13,5	41,4	2	0,25	299	40
601 117 00 ³⁾	3,5	10,5	16 ³⁾	38,1	11,2	13,5	41,4	2	0,25	299	40

¹⁾ At lower speeds the couplings can compensate up to ± 1 mm radial and 10° angular displacement. The sizes $D_1 = 19$ and $D_1 = 28$ only 5 degrees.

²⁾ Operating factors for couplings HU and HB (without shaft displacement):

Load Period	Operating Factor
short term	1
1 hour per day	1.5
3 hours per day	2
6 hours per day	3
12 hours per day	4