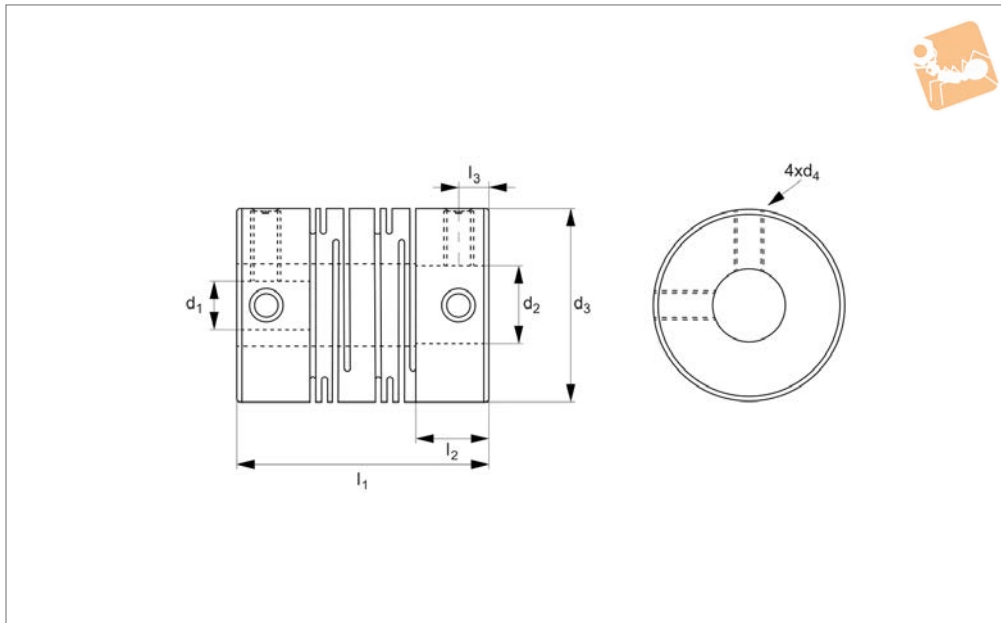
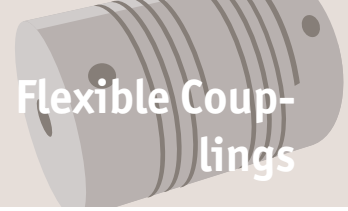




# Beamed Coupling - six beam stainless steel, set screw type

## Flexible Couplings



**R3003**

FLEXIBLE COUPLINGS

**Material**

Stainless steel 1.4435 (AISI 316L)

**Technical Notes**

One piece construction, no mechanical joints.

No backlash.

Constant velocity.

Torsionally rigid.

High flexibility.

Temperature range -40°C to +120°C.

Central relief diameter may be smaller than

bore in some cases.

**Max Torque:**

Select the size where max.torque exceeds the application target service factor.

**Service Factors:**

Shock + reversing = 2

Non reversing = 1,5

Steady load = 1

**Max. rpm = 5,000**

**Torsional stiffness:**

based on - bore diameter of minimum  $D_2$  for size at load of (max torque/2).

**Tips**

Suitable for:

encoders, stepper motors, precision ball screws, robotics, scientific equipment, measuring systems, medical systems, pumps, servo systems etc.

Order No.	d <sub>1</sub>	d <sub>2</sub>	d <sub>3</sub>	d <sub>4</sub>	l <sub>1</sub>	l <sub>2</sub>	n	Ang. offset	Par. offset mm	Torque Nm max.	Tors. stiffness Nm/rad	Weight g
R3003.A02-03	1.9	3	9.5	M2,5	22.9	2	5.3	3°	0.12	1	4	8
R3003.A02-04	1.9	4	9.5	M2,5	22.9	2	5.3	3°	0.12	1	4	8
R3003.A03-03	1.9	3	9.5	M2,5	22.9	3	5.3	3°	0.12	1	4	8
R3003.A03-04	1.9	3	9.5	M2,5	22.9	3	5.3	3°	0.12	1	4	8
R3003.A04-04	1.9	3	9.5	M2,5	22.9	3	5.3	3°	0.12	1	4	8
R3003.B03-04	2.8	4	12.7	M3	25.4	3	6.5	5°	0.17	3	20	18
R3003.B03-05	2.8	5	12.7	M3	25.4	3	6.5	5°	0.17	3	20	18
R3003.B03-06	2.8	6	12.7	M3	25.4	3	6.5	5°	0.17	3	20	18
R3003.B04-04	2.8	4	12.7	M3	25.4	4	6.5	5°	0.17	3	20	18
R3003.B04-05	2.8	5	12.7	M3	25.4	4	6.5	5°	0.17	3	20	18
R3003.B04-06	2.8	6	12.7	M3	25.4	4	6.5	5°	0.17	3	20	18
R3003.B05-05	2.8	5	12.7	M3	25.4	5	6.5	5°	0.17	3	20	18
R3003.B05-06	2.8	6	12.7	M3	25.4	5	6.5	5°	0.17	3	20	18
R3003.B06-06	2.8	6	12.7	M3	25.4	6	6.5	5°	0.17	3	20	18
R3003.C03-06	2.8	6	15.9	M4	25.4	3	6.5	5°	0.20	5	36	24
R3003.C03-08	2.8	8	15.9	M4	25.4	3	6.5	5°	0.20	5	36	24
R3003.C04-05	2.8	5	15.9	M4	25.4	4	6.5	5°	0.20	5	36	24
R3003.C04-06	2.8	6	15.9	M4	25.4	4	6.5	5°	0.20	5	36	24
R3003.C04-08	2.8	8	15.9	M4	25.4	4	6.5	5°	0.20	5	36	24
R3003.C05-05	2.8	5	15.9	M4	25.4	5	6.5	5°	0.20	5	36	24
R3003.C05-06	2.8	6	15.9	M4	25.4	5	6.5	5°	0.20	5	36	24
R3003.C05-08	2.8	8	15.9	M4	25.4	5	6.5	5°	0.20	5	36	24
R3003.C06-06	2.8	6	15.9	M4	25.4	6	6.5	5°	0.20	5	36	24
R3003.C06-08	2.8	8	15.9	M4	25.4	6	6.5	5°	0.20	5	36	24



Order No.	d <sub>1</sub>	d <sub>2</sub>	d <sub>3</sub>	d <sub>4</sub>	l <sub>1</sub>	l <sub>2</sub>	n	Ang. offset	Par. offset mm	Torque Nm max.	Tors. stiffness Nm/rad	Weight g
R3003.C08-08	2.8	8	15.9	M4	25.4	8	6.5	5°	0.20	5	36	24
R3003.D05-06	4.4	6	19.1	M4	28.0	5	6.5	7°	0.25	8	112	46
R3003.D05-08	4.4	8	19.1	M4	28.0	5	6.5	7°	0.25	8	112	46
R3003.D05-10	4.4	10	19.1	M4	28.0	5	6.5	7°	0.25	8	112	46
R3003.D06-06	4.4	6	19.1	M4	28.0	6	6.5	7°	0.25	8	112	46
R3003.D06-08	4.4	8	19.1	M4	28.0	6	6.5	7°	0.25	8	112	46
R3003.D06-10	4.4	10	19.1	M4	28.0	6	6.5	7°	0.25	8	112	46
R3003.D08-08	4.4	8	19.1	M4	28.0	8	6.5	7°	0.25	8	112	46
R3003.D08-10	4.4	8	19.1	M4	28.0	8	6.5	7°	0.25	8	112	46
R3003.D10-10	4.4	10	19.1	M4	28.0	10	6.5	7°	0.25	8	112	46
R3003.E06-08	5.8	8	25.4	M5	38.1	6	11	7°	0.37	16	158	120
R3003.E06-10	5.8	10	25.4	M5	38.1	6	11	7°	0.37	16	158	120
R3003.E06-12	5.8	12	25.4	M5	38.1	6	11	7°	0.37	16	158	120
R3003.E08-08	5.8	8	25.4	M5	38.1	8	11	7°	0.37	16	158	120
R3003.E08-10	5.8	10	25.4	M5	38.1	8	11	7°	0.37	16	158	120
R3003.E08-12	5.8	12	25.4	M5	38.1	8	11	7°	0.37	16	158	120
R3003.E10-10	5.8	10	25.4	M5	38.1	10	11	7°	0.37	16	158	120
R3003.E10-12	5.8	12	25.4	M5	38.1	10	11	7°	0.37	16	158	120
R3003.E12-12	5.8	12	25.4	M5	38.1	12	11	7°	0.37	16	158	120