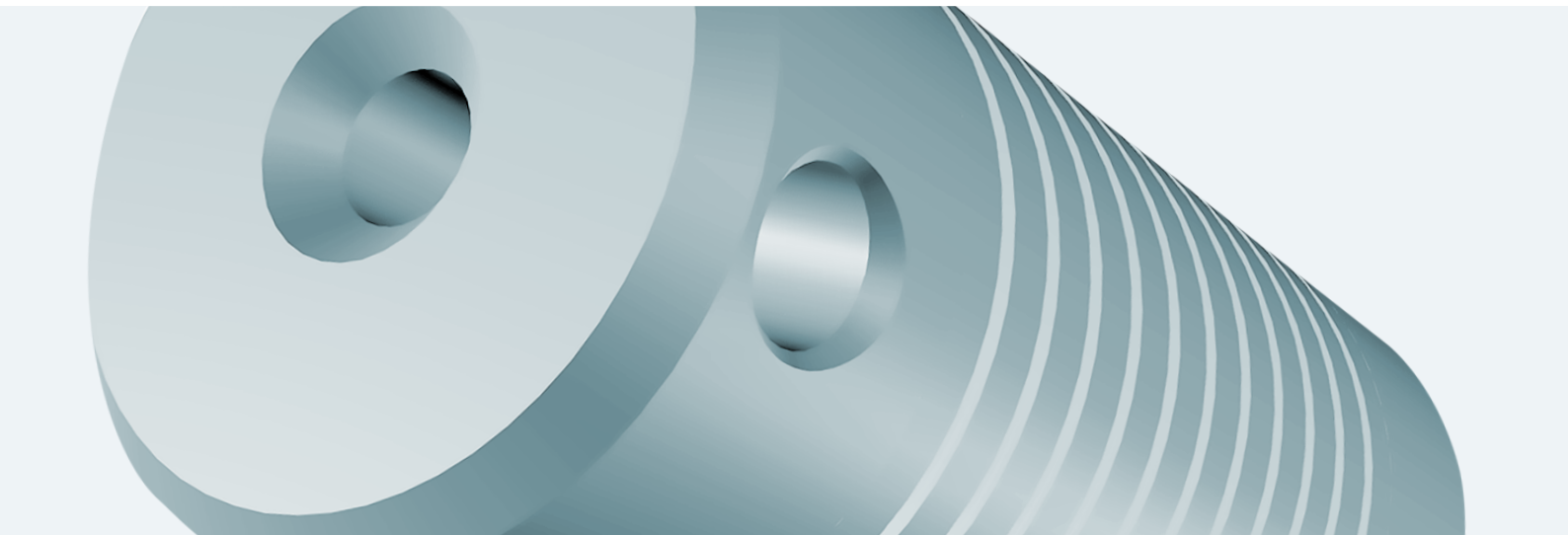


MINIFLEX COUPLINGS

LM, ZG



FEATURES/STRUCTURE

- › All-round movable
- › Rotation-elastic transmission element (spring assembly) edgewise up coiled helical compression spring, of wire with rectangular cross section, with spring ends screwed into hubs (LM), respectively pushed into hubs (ZG)
- › Use temperature up to 120 °C

STANDARD MODELS

TYPE LM

Spring body made of stainless steel wire in two lengths per size. Light metal hubs with different finished bores (tolerance H7). Inserted set screw (type DIN 916) inclusive.

TYPE ZG

Spring body made of nickel-plated spring steel wire. Zinc compression cast hubs with different finished bores (tolerance +0.05/0). Inserted set screw (type DIN 916) inclusive.

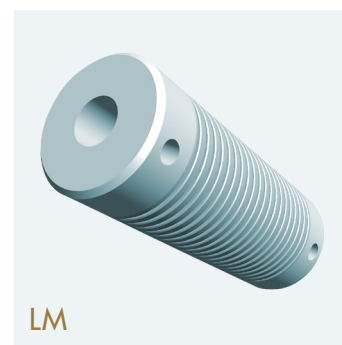
SPECIAL MODELS

Possible for both types, referring to spring assembly and hub. Feel free to contact us.

AVAILABILITY

All standard couplings are available at short notice, even with different bores on each side. For special applications and non-standard executions please contact us.

TYPES



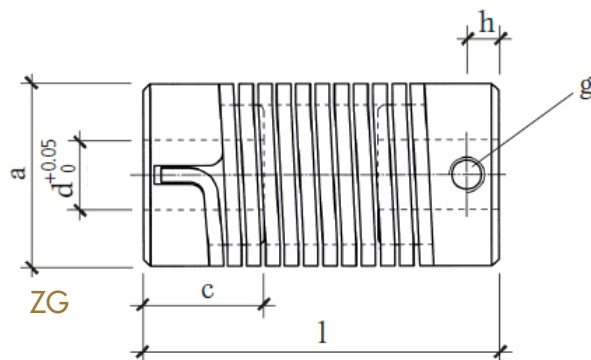
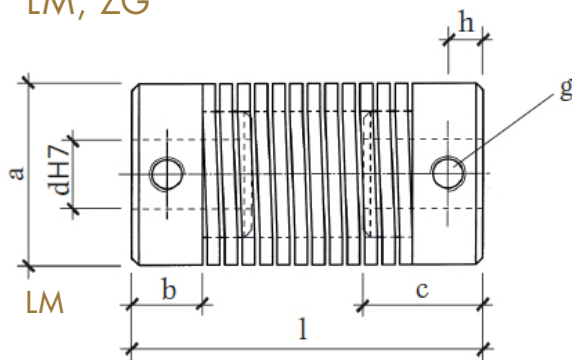
LM



ZG

MINIFLEX COUPLINGS

LM, ZG



DIMENSIONS

TYPES			LM						ZG		
Size (lxa)			35x14	50x14	40x20	60x20	50x26	70x26	25x12	35x16	50x26
Nominal torque		Nm	0.5		1.0		2.0		0.15	0.5	1.5
a		mm	14		20		26		12	16	26
b			6.5		7.5		10		–	–	–
c			12		14		17		9	12.5	17
d	H7	mm	4, 5, 6		5, 6, 7, 8, 9		8, 9, 10, 11, 12, 14		–	–	–
d	+0.05/0	mm	–		–		–		2, 3, 4, 5, 6	3, 4, 5, 6, 7, 8	6, 7, 8, 9, 10, 11, 12, 14
g		mm	M4		M4		M5		M3	M4	M5
h			3.5		4		5		2.4	3.5	4.5
l			35	50	40	60	50	70	25	35	50

ORDERING EXAMPLE:

Type LM, size 40 x 20 mm, bore-diameter 6 and 8 mm:

Miniflex coupling LM, 40 x 20 x 6 / 8 mm

SPECIFICATIONS

TYPE			LM						ZG		
Size (lxa)			35x14	50x14	40x20	60x20	50x26	70x26	25x12	35x16	50x26
Nominal torque	M_N	Nm	0.5		1.0		2.0		0.15	0.5	1.5
Max. speed	n_{max}	min ⁻¹	6000		6000		6000		8000	3000	3000
Angular misalignment	ΔW_w	°	8	14	8	14	8	14	5	5	5
Radial misalignment	ΔW_r	mm	1.5	2.0	2.0	3.0	3.0	4.5	0.5	1.0	1.5
Axial misalignment	ΔW_a	mm	±1.0	±1.5	±1.5	±1.5	±1.0	±1.5	±0.5	±1.0	±1.0
Angle of twist at nominal torque	φ_N ±5%	°	37	72	37	72	37	72	40°/60° ²	50°/70° ²	40°/60° ²
Inertia (d_{min})	J	kgm ² ·10 ⁻⁶	0.593	0.899	2.76	4.48	9.38	13.99	0.195	1.22	11.77
Weight(d_{min})	m	kg	0.016	0.024	0.037	0.058	0.070	0.102	0.014	0.028	0.100

1 Rotation cw on drive side

2 Rotation ccw on drive side