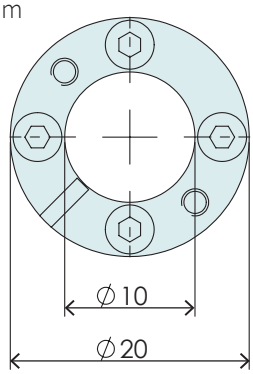
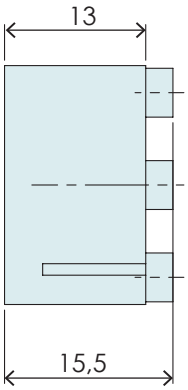
Shaft-Hub Clamping

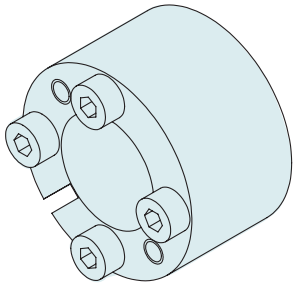
Because linear-rotary motors perform both rotary and linear motions, the type of mounting must be able to support both torque loads and forces in the longitudinal direction. Clamping sets that allow simple, fast installation of the load mass are available for this purpose. They provide a force-fit connection produced by means of two conical rings. The completely eliminates the need to use drivers and produce grooves.

RS01-SS10x20

Fastening torque of the screws
T_A = 1.2 Nm







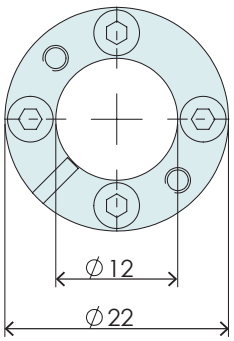
Item	Description	Item-No.
RS01-SS10x20	Shaft-hub clamping for 10 mm shaft	0150-4531

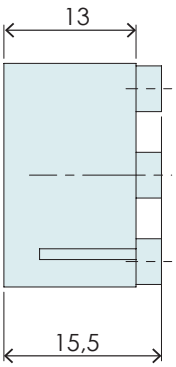
Item	For Shaft	T [Nm]	F_{ax} [kN]	T_a [Nm]	D [mm]	Weight [g]
RS01-SS10x20	10 mm	19	4	1.2	20H8	20

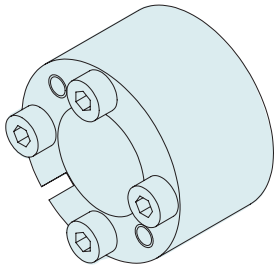
T = transmittable torque at F_{ax} = 0.
F_{ax} = transmittable axial force at T = 0.
T_A = fastening torque of the screws.
D = external exposure tolerance.

RS01-SS12x22

Fastening torque of the screws
T_A = 1.2 Nm







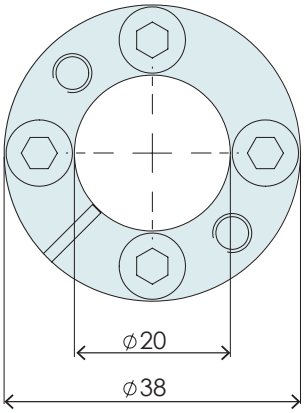
Item	Description	Item-No.
RS01-SS12x22	Shaft-hub clamping for 12 mm shaft	0230-0101

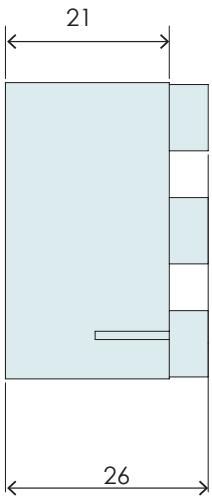
Item	For Shaft	T [Nm]	F_{ax} [kN]	T_a [Nm]	D [mm]	Weight [g]
RS01-SS12x22	12 mm	24	4	1.2	22H9	22

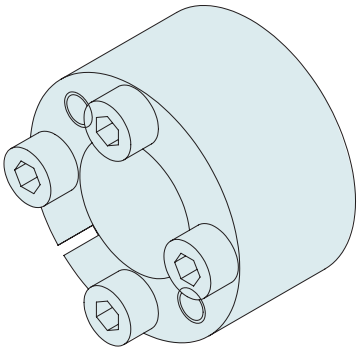
T = transmittable torque at F_{ax} = 0.
F_{ax} = transmittable axial force at T = 0.
T_A = fastening torque of the screws.
D = external exposure tolerance.

RS01-SS20x38

Fastening torque of the screws
T_A = 10 Nm







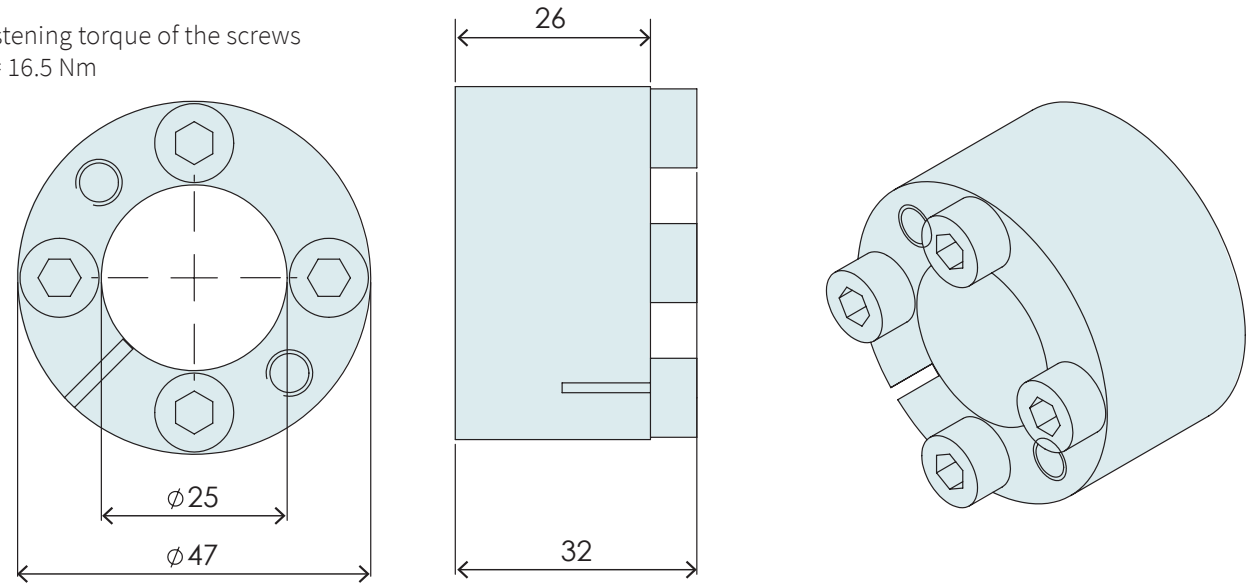
Item	Description	Item-No.
RS01-SS20x38	Shaft-hub clamping for 20 mm shaft (PR01-84...)	0230-0100

Item	For Shaft	T [Nm]	F_{ax} [kN]	T_a [Nm]	D [mm]	Weight [g]
RS01-SS20x38	20 mm	179	17	10	38H9	100

T = transmittable torque at F_{ax} = 0.
F_{ax} = transmittable axial force at T = 0.
T_A = fastening torque of the screws.
D = external exposure tolerance.

RS02-SS25x47

Fastening torque of the screws
T_A = 16.5 Nm



Item	Description	Item-No.
RS02-SS25x47	Shaft-hub clamping for 25 mm shaft	0230-0516

Item	For Shaft	T [Nm]	F_{ax} [kN]	T_a [Nm]	D [mm]	Weight [g]
RS02-SS25x47	25 mm	300	24	16.5	47H8	190

T = transmittable torque at F_{ax} = 0.
F_{ax} = transmittable axial force at T = 0.
T_A = fastening torque of the screws.
D = external exposure tolerance.