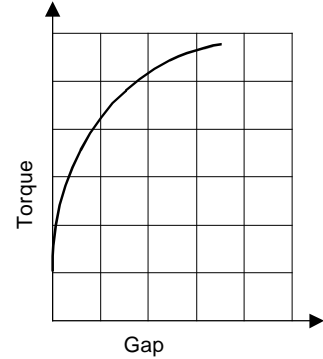
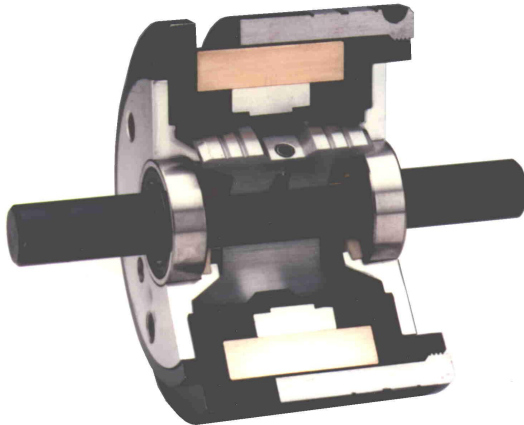




Torque restrictor Overload safety clutch

for torques of 2 Ncm - 1200 Ncm



The transferred torque is reduced on the minimal value, if the adjustment ring is tighten or inverse.
 For a set adjustment the torque is constant. It is independant from drive speed and slip speed.
 The power loss is proportional to the maschine weight.

Torque restrictors and overload safety clutches with permanent magnet A product which can be used in all lines of industry

In the technique the torque limit is required as a mechanic overload protection, which permits besides a set toque also adjustable intermediate values. This toque restrictor meets these requirements.

The device distinguishes itself by its compact structure and is absolutely maintenance free. Due to expanded standard series it is well suited for the serial use.

The magnetic field is created by a permanent magnet. The torque setting is made by a mechanic adjusting collar (magnetic by-pass). In order not to get a magnetic leakage flux but a good heat dissipation, there should be used non-ferrous metals when installing or attaching auxiliary components.

Operational possibilities:

- Protection and safety for drives and machines
- Constant braking or slip at constant torque
- Limitation of the torque with machine-tools, machines processing plastic, carton, paper and textiles.
- Machines processing films, wire and cables

Design	Type	Torques to be transferred	max. permissible power loss (W)	Moment of inertia (kgm ²)		Weight (kg)
				exterior rotor	interior rotor	
E	LC 0	2-6 Ncm	10	23 x 10 ⁻⁶	0,6 x 10 ⁻⁶	0,13
	LC 1	5-15 Ncm				
	LC 3	12-30 Ncm				
	LC 10	30-100 Ncm	28	370 x 10 ⁻⁶	25 x 10 ⁻⁶	0,7
	LC 20	20-200 Ncm				
	LC 50	200-600 Ncm	80	7000 x 10 ⁻⁶	220 x 10 ⁻⁶	4,5
LC 100	400-1200 Ncm					

Further sizes on demand