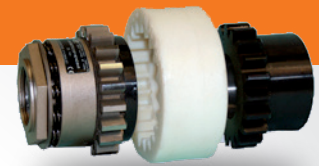


TORQUE LIMITING

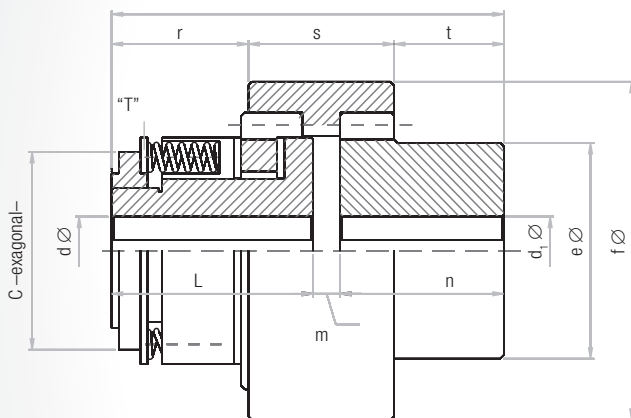
ELASTIC COUPLING

Type LPC



- High sensitivity adjustment
- Continuous sliding
- Winding and unwinding machines
- Mechanical fuse

ASSEMBLY EXAMPLE



Description

Elastic couplings **nil-uni3n model 1** can be supplied with a **torque limiter (LPC type)** forming a **compact group**.

LPC torque limiters are mechanisms designed to absorb overloads in any type of machine. They are therefore mechanics "fuses". When the regulated torque is exceeded, a sliding between the coupling pinion and friction discs occurs.

The structure with coil springs gives it great regulation sensitivity and allows it to absorb wears without a significant alteration of the regulated torque.

Other applications, such as constant load elements (retainers) or single winding shafts, are possible if the heat generated is determined. Usually low speed mechanisms allow such economical solution.

SIZE		12	25	50	100	200	400
Maximum torque	Nm.	12	25	50	100	200	400
Minimum torque	Nm.	1	2	5	12	25	50
Maximum rpm	n	7.500	7.100	6.600	5.500	3.500	3.100
Weight	Kg	0,6	1,10	2,30	4,25	10,5	15,5
	Between sides C	36	46	55	70	80	6a Ø 10
	Maximum d	16	20	25	32	40	60
	Maximum d1	22	28	34	42	60	80
	e	36	45	55	78	108	123
	f	60	75	95	120	155	170
	L	35,5	48	56	76	100	105
	L1	71,5	90	108	145	207	220
	m	1	2	6	4	7	5
	n	35	40	46	65	100	110
	r	18	31	38	54,5	75	78
	s	35	38	40	50	60	60
	t	18,5	21	30	40,5	72	82
	Coupling ny	22	28	34	42	60	70