

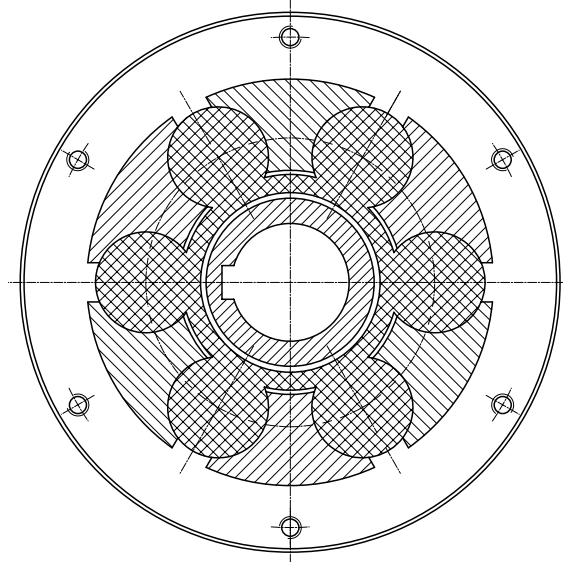
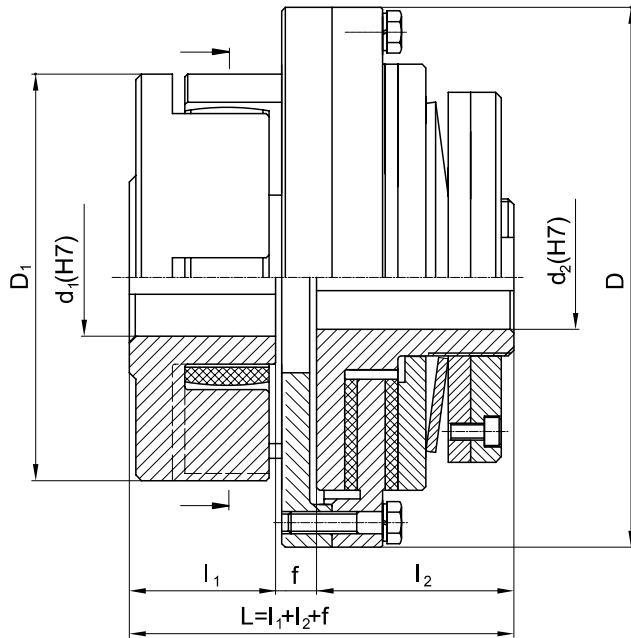


APMX OVERLOAD COUPLINGS

with adjustable slipping moment

Example of designation of the APMX type coupling with the slipping moment of $M_k=250$ Nm, hub hole diameters of $d_1=35$ mm, $d_2=30$ mm, hub hole lengths of $l_1=55$ mm, $l_2=60$ mm, size of 003:
250-35/55-30/60- 003 APMX Overload Coupling

Prod. sheet No.
15 APMX
03.2004



Slipping torque M_k	d_1 max	d_2 max	l_1 min	l_2 min	f	D	D_1	maximum deviations ²⁾			Max rotational speed n_{max}	Moment of inertia ¹⁾ I	Weight ¹⁾ m	Coupling size and type
								x	y	α				
Nm	mm									deg.	1/min	kgm ²	kg	-
50÷90	24	25	40	40	2	120	85	0,5	0,5	0,5	3000	0,005	3,41	001 APMX
90÷200	28	32	50	55		150	105				2500	0,017	7,23	002 APMX
120÷300	35	32	50	55		170	125				2000	0,028	9,3	003 APMX
220÷500	40	40	55	80	5	190	145	0,8	0,8		1800	0,059	15,2	004 APMX
330÷800	60	45	70	90		240	175				1500	0,164	27,2	005 APMX
530÷1400	65	50	80	105		290	200				1200	0,39	45,7	006 APMX
920÷2100	75	65	90	120	7	320	230	1,0	1,0		1000	0,68	64,4	007 APMX

We produce splineways as recommended, normally acc. to PN-70/M-85005, with the Js9 tolerance.

Material - steel, polyurethane (elastic pad), friction lining (friction pads).

¹⁾ The weight and the moment of inertia have been determined for the coupling with the maximum hole without a splineway and min. hubs length.

²⁾ The recommended deviations – up to 10% of the maximum deviation value

Applications: The overload couplings are used in the equipment and machines where overloads may occur likely to cause mechanism failure, accident dangerous for health and life or the damage requiring lengthy repair that is forbidden in specific conditions.

If the machine is blocked and this not cease by itself, an automatic or emergency drive disengaging system by the operating staff should be provided.

Examples of use: • chain drives, gear drives and belt drives; •equipment: belt conveyors, scraper conveyors, large fans, stirrers; •machinery: combined cutter loaders; coal ploughs; excavating-dumping conveyors, etc.

Elastic pad working conditions: work in the environment with pH of 5÷12 at temperature of -30° to +80° (temporarily up to +100°). Resistance to chemicals, including: common solvents, fuels, oils and lubricants, sulphuric and hydrochloric acid, soda lye, salty water and many other chemical substances.

We are also offering tailor-made special versions.

