

08 LM / EM REELS

Due to a structured modular principle, our reels with diameters from 315–800 mm allow the greatest possible variety of dimension variants and application possibilities as dispatch or process reels

REEL DESIGNATIONS

Reel designations consist of the series description (LM or EM), the flange diameter, and the total outer width of the reels. In addition, it is recommended to specify the barrel diameter (d2) and the winding width.

OUTER WIDTH

The outer width of the reels is normally the winding width (L2) plus 2x the flange thickness (S). If desired, however, in conjunction with smaller central bores hub extensions can also be supplied, which then additionally increase the overall width of the reels.

CENTRAL BORES

The reels have a standard central bore of 127 mm (5 inch) in diameter. Other diameters can also be supplied by means of additional inserts. For various reasons, it has proven to be best to use bore dimensions which are already used in the relevant standards, e.g. 16, 22, 36, 56, 76.4 (3 inch) and 80 mm.

DRIVES

The reels are not fitted with drives as standard. A drive device could engage between the ribs of the flanges, however, this could cause problems with modifications in design and is therefore not recommended. However, reels can also be fitted with plastic or steel pins as drives.

TOLERANCES

All dimensions, weights and loads stated are approximate values; tolerances and deviations which are customary for the industry remain reserved.



MATERIAL

Reels in the LM series are made of anthracite coloured impact resistant polystyrene (PS a). Further properties of the material can be found in our material data sheets.

WINDING WIDTHS

The winding widths given in the table are the most cost-effective. Smaller and larger winding widths can also be supplied. Smaller widths are achieved by shortening the barrel.

Designation	Flange Ø	Barrel Ø	Central bore Ø	Width	Winding width	Flange thickness	Winding-volume	Central bore Ø tapered part	Drive-hole/pin	Drive-distance
	d1 [mm]	d2 [mm]	d3 [mm]	L1 [mm]	L2 [mm]	S [mm]	V [cm ³]	d4 [mm]	d5 [mm]	E1 [mm]
Reel EM 315/60-240	315	100	60	240	50 - 217	11.5	3504 - 15207			
Reel EM 315/127-273	315	160	16 - 127	273	50 - 250	11.5	2891 - 14456			
Reel LM 315/60-240	315	100	60	240	50 - 217	11.5	3504 - 15207			

Designation	Flange Ø	Barrel Ø	Central bore Ø	Width	Winding width	Flange thickness	Winding- volume	Central bore Ø tapered part	Drive- hole/pin	Drive- distance
	d1 [mm]	d2 [mm]	d3 [mm]	L1 [mm]	L2 [mm]	S [mm]	V [cm³]	d4 [mm]	d5 [mm]	E1 [mm]
Reel LM 315/127-273	315	160	16 - 127	273	50 - 250	11.5	2891 - 14456	143.5		
Reel EM 350/127-303	350	180	16 - 127	303	50 - 280	11.5	3538 - 19814	143.5		
Reel EM 350/127-333	350	224	16 - 127	333	50 - 310	11.5	2840 - 17609	143.5		
Reel LM 350/127-303	350	180	16 - 127	303	50 - 280	11.5	3538 - 19814	143.5		
Reel LM 350/127-333	350	224	16 - 127	333	50 - 310	11.5	2840 - 17609	143.5		
Reel EM 400/127-272	400	152	16 - 127	272	50 - 247	12.5	5376 - 26557	143.5		
Reel EM 400/127-275	400	160	16 - 127	275	50 - 250	12.5	5278 - 26389	143.5		
Reel EM 400/127-305	400	180	16 - 127	305	50 - 280	12.5	5011 - 28061	143.5		
Reel EM 400/127-310	400	200	16 - 127	310	50 - 285	12.5	4712 - 26861	143.5		
Reel EM 400/127-401	400	144	16 - 127	425	50 - 400	12.5	5469 - 43751	143.5		
Reel LM 400/127-272	400	152	16 - 127	272	50 - 247	12.5	5376 - 26557	143.5		
Reel LM 400/127-275	400	160	16 - 127	275	50 - 250	12.5	5278 - 26389	143.5		
Reel LM 400/127-305	400	180	16 - 127	305	50 - 280	12.5	5011 - 28061	143.5		
Reel LM 400/127-310	400	200	16 - 127	310	50 - 285	12.5	4712 - 26861	143.5		
Reel LM 400/127-401	400	144	16 - 127	425	50 - 400	12.5	5469 - 43751	143.5		
Reel EM 450/127-305	450	180	16 - 127	305	50 - 280	12.5	6680 - 37407	143.5		
Reel EM 450/127-310	450	200	16 - 127	310	50 - 285	12.5	6381 - 36374	143.5		
Reel EM 450/127-335	450	224	16 - 127	335	50 - 310	12.5	5982 - 37087	143.5		
Reel LM 450/127-305	450	180	16 - 127	305	50 - 280	12.5	6680 - 37407	143.5		
Reel LM 450/127-310	450	200	16 - 127	310	50 - 285	12.5	6381 - 36374	143.5		
Reel LM 450/127-335	450	224	16 - 127	335	50 - 310	12.5	5982 - 37087	143.5		
Reel LM 540/33,5-275	540	315	33.5	275	50 - 425	20	7554 - 64213		2x35+2x25	115
Reel EM 630/127-420	630	315	16 - 127	420	50 - 425	20	11690 - 99362	143.5		
Reel LM 630/127-420	630	315	16 - 127	420	50 - 425	20	11690 - 99362	143.5		

TECHNICAL DRAWING

Spools

