

# TMZ series: lubricants

Correct, adequate lubrication is vital to maximize the service life of gear couplings. The following tables provide information on suitable lubricants and the quantities required.

## Capacity table for standard gear couplings

*Differing amounts are specified in the working drawings.*

TMZ	Size	0	1	2	3	4	5	6	7	8	9	10
Amount	[kg]	0,08	0,09	0,16	0,27	0,47	0,68	0,93	1,54	2,28	3,10	3,9
	[cm <sup>3</sup> ]	90	100	180	300	520	760	1.000	1.700	2.550	3.450	4.350
TMZ	Size	11	12	13	14	15	16	17	18	19	20	
Amount	[kg]	6,20	5,0	6,0	8,0	10,0	12,0	18,0	21,0	25,0	38,0	
	[dm <sup>3</sup> ]	6,9	5,6	6,6	8,9	11,0	13,5	20,0	23,5	27,8	42,5	

## Lubricant characteristics

*We recommend lithium soap-based lubricants with EP additives.*

Ambient temperature	Worked penetration DIN ISO (ASTM)	Consistency class DIN (NGLI)
< -20°C	Please ask us	
≥ -20°C < 30°C	350 - 380	0
≥ 30°C < 70°C	300 - 350	1
≥ 70°C	Please ask us	

The level of grease should be checked every 6 months and if necessary topped up.

Lubricant should be completely removed and replaced after 8,000 h of continuous operation or after 2 years.

## List of lubricants

Manufacturer		Manufacturer	
AGIP	GR - MU EP	Shell	ALVANIA EP
Chevron	DURA-LIHT EP	Klüber	Grafloscon C-SG 500 Plus
Esso	BEACON EP	Texaco	MULTIFAK EP 0
Meguin	Megol KP1K-35	Total	MULTI EP 1
Mobil	MOBILTEMP 78		