

Selection Guide

Scope of Application The value shown below is obtained in shaft rotation condition in the atmosphere.

Product	Product Name	Allowable max pressure P N/mm ² {kgf/cm ² }	Allowable max velocity V m/s {m/min}	Allowable max PV value N/mm ² · m/s {kgf/cm ² · m/min}	Temperature range °C {°F}
	Oiles Lutech E	9.81 {100}	0.83 {50}	0.327 {200}	-40 ~ +80 {-40 ~ +176}
	Oiles Lutech AT	Toner-resistant self-lubricating bearings with various lubricants and fillers added to polyacetal.			
	Oiles Lutech GP	Mating material: resin 3.92 {40}	Mating material: resin 0.33 {20}	Mating material: resin 0.163 {100}	-40 ~ +80 {-40 ~ +176}
		Mating material: metal 9.81 {100}	Mating material: metal 0.67 {40}	Mating material: metal 0.327 {200}	
	Oiles Lutech F	17.5 {179}	0.85 {51}	0.68 {416}	-40 ~ +80
	Oiles 480	19.5 {199}	0.65 {39}	3.25 {1,990}	-40 ~ +120 {-40 ~ +248}
	Oiles 81-12	5.0 {51}	0.25 {15}	0.80 {489}	-60 ~ +60 {-76 ~ +140}
	Oiles 81-20	3.0 {31}	0.50 {30}		
	Oiles 81-B1	5.0 {51}	0.5 {30}	0.5 {306}	-60 ~ +60
	Oiles 83-24	10.0 {102}	0.35 {21}	1.00 {612}	-40 ~ +140 {-40 ~ +284}
	Oiles 83-90	19.5 {199}		2.45 {1,500}	
	Oiles 83-B1	19.5 {199}	1.2 {72}	1.0 {612}	-40 ~ +140
	Oiles 88-02	14.5 {148}	0.85 {51}	2.45 {1,500}	-40 ~ +140 {-40 ~ +284}
	Oiles 88-71	17.5 {179}			

= Conductive

Lubrication	Atmosphere	In water	In seawater	In chemical	Corrosive condition	Standard part codes	Product outline	Product detail	Dimensions
Dry	○	△	△	△	△	Lutech E Bushings ———— LED Snap-fit bushings ———— LES Bar stock ———— LEM	P.42	P.81	P.83 P.84
Dry	○	—	—	—	—	Custom-made	P.42	—	—
Dry	○	△	△	△	△	Custom-made	P.43	P.85	—
Dry	○	○	△	△	△	Lutech F Flange bushings ———— LTFF	P.43	P.87	P.88
Dry	○	○	△	△	△	480 Bar stock ———— 48M	P.43	P.89	P.90
Dry	○	△	△	△	△	Custom-made	P.44	P.91	—
	○	△	△	△	△				
Dry	○	△	△	△	△	Custom-made	P.44	P.92	—
Dry	○	△	△	△	△	83 Washers ———— 83W	P.44	P.93	P.70
	○	△	△	△	△				
Dry	○	△	△	△	△	83-B1 Flange bushings ———— 83BPF	P.45	P.95	P.96
Dry	○	△	△	△	△	Custom-made	P.45	P.97	—
	○	△	△	△	△				

○ = usable △ = usable under some condition × = unusable — = N/A, For detail, please refer to page 369.