

Table 4 Lubricating Greases

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Typical Lubricating Greases for Bearings

Name of Grease	Grease Maker	Meets Military Spec. No.	Base Oil	Thickener	Penetration	Dropping Point	Recommended Operating Temperature
Alvania Grease 2	Shell	Equivalent MIL-G-18709	Mineral Oil	Lithium	266	182°C 360°F	- 25°C ~ 120°C - 15°F ~ 250°F
Alvania Grease 3	Shell	Equivalent MIL-G-18709	Mineral Oil	Lithium	246	188°C 370°F	- 25°C ~ 130°C - 15°F ~ 260°F
AeroShell Grease 7	Shell	MIL-G-23827	Diester Oil	Microgel	285	268°C 514°F	- 73°C ~ 150°C -100°F ~ 300°F
Dolium R	Shell		Mineral Oil	Polyurea	285	238°C 460°F	- 30°C ~ 150°C - 35°F ~ 300°F
Alvania EP Grease 2	Shell		Mineral Oil	Lithium	285	185°C 365°F	- 15°C ~ 110°C 5°F ~ 230°F
Darina 2	Shell		Mineral Oil	Microgel	285	260°C 500°F	- 25°C ~ 150°C - 15°F ~ 300°F
Beacon 325	Esso Standard	MIL-G-3278	Diester Oil	Lithium	280	193°C 380°F	- 54°C ~ 120°C - 65°F ~ 250°F

- Remarks
1. When the grease is used at temperature near the high or low end of the recommended operating temperature, please contact NACHI.
 2. Generally Ester oil may give damage to polyacrylic rubber or ABS resin.
Please be careful, when you use grease with Ester base oil.
 3. Do not mix different type of greases.
 4. If sodium thickener grease is mixed with water, the grease become soft and may leak.





Typical Lubricating Greases for Bearings

Name of Grease	Color	Properties				
		Water Resistance	High Speed Rotation	Noise	Grease Life at High Temp.	Torque at Low Temp.
Alvania Grease 2	Light Yellow	○		○		
Alvania Grease 3	Light Yellow	○		○	○	
AeroShell Grease 7	Light Brown	○	○		○	○
Dolium R	Purple	○	○		○	
Alvania EP Grease 2	Reddish Brown	○				
Darina 2	Light Yellowish Brown	○			○	
Beacon 325	Light Gray	○	○			○

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Temprex N3	Esso Standard		Mineral Oil	Lithium Complex	235	300°C 572°F	- 30°C ~ 150°C - 35°F ~ 300°F
SH44M (DC44M)	Toray Silicone (Dow Corning)	MIL-L-15719	Silicone Oil	Lithium	260	210°C 410°F	- 40°C ~ 180°C - 40°F ~ 350°F
Multemp SRL	Kyodo Yushi		Polyol Ester Oil +Diester Oil	Lithium	245	191°C 375°F	- 40°C ~ 150°C - 40°F ~ 300°F
Multemp PS2	Kyodo Yushi		Diester Oil +Mineral Oil	Lithium	275	190°C 374°F	- 55°C ~ 130°C - 67°F ~ 260°F
Mobilgrease 28	Mobil Oil		Synthetic Hydrocarbon Oil	Bentnite	270	270°C 518°F	- 62°C ~ 177°C - 79°F ~ 350°F
Mobilux 2	Mobil Oil		Mineral Oil	Lithium	270	178°C 352°F	0°C ~ 125°C 32°F ~ 257°F

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		Water Resistance	High Speed Rotation	Noise	Grease Life at High Temp.	Torpue at Low Temp.
Temprex N3	Green	○	○		○	
SH44M (DC44M)	Brown	○			○	○
Multemp SRL	Light Brown	○		○	○	○
Multemp PS2	White	○	○			
Mobilgrease 28	Red	○			○	
Mobilux 2	Brown	○				

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