

MaxPro1 ING oils are premium quality industrial gear lubricants designed to provide excellent extreme pressure (EP) and load carrying properties. They are oxidative stable and exhibit anti-rust/anti-corrosion, demulsibility, and anti-foam characteristics.

MaxPro1 ING oils are formulated with advanced sulfur-phosphorus chemistry which provides improved anti-wear and friction reducing properties. This in turn causes gear sets to operate cooler and more efficiently. The **MaxPro1 ING** series of oils surpass the minimum requirements of CLPD lubricating oils according to **DIN 51 517 Part 3** and **ISO 12925-1: CKC, CKD**.

APPLICATIONS

- Enclosed industrial gear drives operating under heavy loads, high peak loads or intermittent shock loads
- Enclosed spur, bevel, helical, herringbone and planetary gear sets where the equipment manufacturer specifies an AGMA EP gear oil
- Heavily loaded plain and rolling element bearings

FEATURES AND BENEFITS

- Excellent scuffing load capacity and very good protection against wear, especially in the area of mixed friction
- Excellent protection at temporarily operations
- Film-forming corrosion protection for closed gear boxes, protection of steel surfaces as well as nonferrous metal components
- Highest compatibility and efficient maintenance
- Low tendency to foaming and very good air and water separation ability



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PERFORMANCE LEVEL

It meets the performance requirements of:

- AGMA 250.04
- ISO 6743 - 6 CKC
- DIN 51517 Part III
- ISO 12925-1 CKC, CKD
- US Steel 224

TYPICAL PHYSICAL CHARACTERISTICS

Product		ING 68	ING 100	ING 150	ING 220	ING 320	ING 460
Product Code		6162	6163	6164	6165	6166	6167
ISO VG Grade		68	100	150	220	320	460
AGMA Number		2 EP	3 EP	4 EP	5 EP	6 EP	7 EP
Test	Method						
Colour ASTM	ASTM D1500	<1.5	1.5	2.0	2.5	<3.0	3.0
Density @ 15°C, kg/l	ASTM D1298	0.878	0.883	0.889	0.89	0.896	0.9
Kinematic Viscosity	ASTM D445						
@ 40°C, cSt		65.8	96.1	151.1	219.4	327	469.5
@ 100°C, cSt		8.5	10.9	14.8	18.9	24.5	31
Viscosity Index	ASTM D2270	99	97	97	97	96	96
Flash Point COC, °C	ASTM D92	216	220	226	230	238	246
Pour Point, °C	ASTM D97	-21	-21	-18	-18	-15	-15
Timken OK Load, lb	ASTM D2782	min. 60	min. 60	min. 60	min. 60	min. 60	min. 60
Weld Load, kgf	ASTM D2783	min. 250	min. 250	min. 250	min. 250	min. 250	min. 250
FZG Gear Test, Failure load stage	DIN 51354/2	12	12	12	12	12	12
Copper Corrosion, 3hrs @ 100°C	ASTM D130	1b	1b	1b	1b	1b	1b



The information provided is to our best knowledge, true & accurate, subjected to change without notification due to continual product research and development.

Available Size & Part Number

Product	18L	200L	Product	18L	200L
ING 68	6162-18	6162-200	ING 220	6165-18	6165-200
ING 100	6163-18	6163-200	ING 320	6166-18	6166-200
ING 150	6164-18	6164-200	ING 460	6167-18	6167-200

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