

All **ROTOFLUID** joints are lubricated in the factory and tested for installation before shipment.

All **ROTOFLUID** joints which are equipped with grease fittings must be lubricated periodically. Lubrication of the ball bearings or seal faces is required.

Joints which are not equipped with grease fittings are lubricated in the factory and do not need lubrication for life unless they are disassembled for inspection of the wear.

To prevent damage of the ball bearings and seals, only low pressure grease equipment must be used. Do not apply too much grease on ball bearings. Over greasing will result damage of the bearings. All joints which are equipped with grease fittings will also have grease relief valve to protect ball bearings from over greasing.

Lubrication frequency and amounts of grease vary greatly depending on joint size, operation, temperature, rpm, etc.

The chart below shows approximate grams of the lubrication.

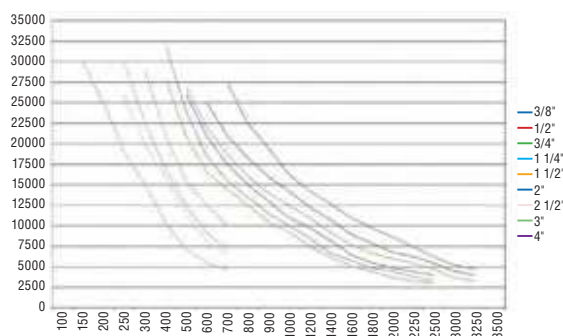
Size	Std Temp (Volume gr)	High Temp. (Volume gr)
1/8"	4	7.5
1/4"	4	7.5
3/8"	4	7.5
1/2"	4	13
3/4"	10.5	20
1"	10.5	23
1 1/4"	11.5	28.5
1 1/2"	17.5	39.5
2"	17.5	49
2 1/2"	45	75
3"	70	100
4"	95	125

The graphs on the right show approximate lubrication frequency and amounts of grease for 3 application conditions.

For applications exceeding heavy duty operating conditions, please consult your lubricant supplier for application based lubrication instructions.

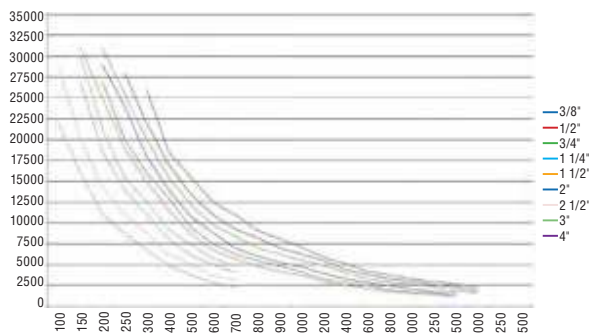
Light Duty Operating Conditions:

Up to 75°C
Few vibrations
Clean environment



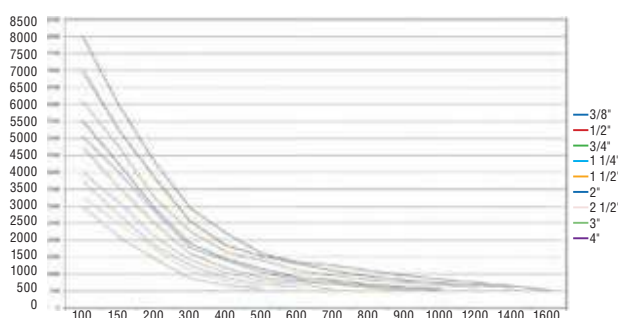
Medium-Heavy Duty Operating Conditions:

75-120°C
Vibrations
Polluted environment



Heavy Duty Operating Conditions:

121-200°C
Vibrations
Polluted Environment



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