

# Maintenance & Supplies

## Threaded Connections



### Pressures above 4k psi

Use anti-seize and fluorocarbon tape for gall-free, leak-free pipe connections. For 20k and 40k psi connections, just use anti-seize.

### Galling

Stainless steel threaded connections tend to gall when tightened. Galled threads are almost welded together, resulting in an expensive problem. To prevent galling use an anti-seize compound whenever stainless steel threads are tightened.

**Tape by itself doesn't prevent galling.**

### Pressures below 4k psi

For pressures below 4k psi use Parker Thread Mate® alone for gall-free, leak-free connections.

## Air Motors



SG 055

LM 016-4

LM 016-6

Three air motors are currently used in our assemblies, note the chart at right. Use this information to plan your compressed air requirements.

Model	SG 055 + LM 016-4	LM 016-6
<b>At Peak</b>		
Rotation	3000 rpm	3000 rpm
Power	1.7 HP 1.3 KW	4.0 HP 3.0 KW
Torque	36 in-lbs 4.1 Nm	84 in-lbs 10.0 Nm
Air Consumption	30 cfm 51 m3/hr	128 cfm 228 m3/hr
Air Pressure	100 psi 7.0 bar	100 psi 7.0 bar
<b>At Minimum</b>		
Rotation	600 rpm	600 rpm
Power	.35 HP .26 KW	.50 HP .37 KW
Torque	31 in-lbs 3.5 Nm	62 in-lbs 7.0 Nm

## Hydraulic Motors



### LM 121 + LM 122 Motors

The Danfoss OMM 8 hydraulic motor is currently used on all **StoneAge®** equipment with hydraulic power. This information helps you plan oil pumping and control requirements. Available with either 0° (**LM 121**) or 90° (**LM 122**) ports.

LM 121 & 122	Continuous	Intermittent
Rotation	1960 rpm	2430 rpm
Power	2.3 HP 1.7 KW	3.5 HP 2.6 KW
Torque	95 in-lbs 4.1 Nm	135 in-lbs 10.0
Oil Flow	4.2 gpm 1 m3/hr	5.3 gpm 1.2 m3/hr
Oil Pressure	1450 psi 100 bar	2000 psi 138 bar
Min. Rotation	50 rpm	

## Lubricants



MSDS sheets are available for all lubricants.

Lubricant	Part #	Qty	Source	Specification
Viscous Fluid	<b>BJ 048-X</b>	6 oz.	<b>StoneAge®</b>	Synthetic Silicone Lubricant
Air Motor Oil	<b>GP 041</b>	32 oz.	Mobil	Almo 525 - ISO 46 - SAE 10
Hydraulic Oil	<b>HF 042</b>	1 Gal.	Texaco	Rando HD 68 - ISO VG 68
Auto Trans Fluid	<b>GP 042</b>	32 oz.	NAPA	Mercon/Dexron ATF
Anti-Seize	<b>GP 043</b>	2 oz.	Swagelok	MS-TL-BGT
Motor Oil	<b>GP 044</b>	32 oz.	NAPA	10W-40
Gearbox Lube	<b>GP 046</b>	32 oz.	NAPA	80W - 85W - 90
Thread Sealant	<b>GP 047</b>	4 oz.	Parker	Thread Mate
Grease	<b>GP 048</b>	14 oz.	Mobil	Synthetic Grease SHC 100



[www.advancedpressuresystems.com](http://www.advancedpressuresystems.com)

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