

Macdonald

AIR PRODUCTS

Macdonald Air Products are all assembled using thread locking compounds to ensure a level of adhesion that will not weaken under the working conditions of the tool. The locking compounds used in production and recommended for use during maintenance and repairs are detailed below.

1.

Loctite 577 – Thread-Sealing		
Description	Curing Gel	Recommended for all coarse metal threads. Suitable for fast applications at low temperatures e.g. outdoor plant maintenance
Maximum Pipe Size	3"	
Temperature Resistance	+150 C	
Disassembly Strength	Medium	
Substrate to be Sealed	Metal	
Instant Low Pressure Seal	Yes	

2.

Loctite 243 – Thread-Locking		
Size of thread	Up to M36	Effective on all types of metal fasteners. Prevents loosening on vibrating parts such as pumps, motor mounting bolts, gear boxes or presses. Recommended for use where disassembly with hand tools is required for servicing and where parts are contaminated with oil
Strength	Medium	
Functional Strength	2 Hrs	
Breakaway Torque M10 bolts	20 Nm	
Long-Term Temperature Resistance	+150 C	

3.

Loctite 5910 - Gasketing		
Gasket Type	Formed In Place	Replacement for cork and paper cut gaskets on flanges and stamped metal covers.
Flange Type	Flexible	
Cure Method	Moisture	
Tack Free Time	20 min.	Recommended for use where high vibration or flexing occurs. Can also be used with plastic and painted parts.
Temperature Resistance	200 C	
Instant Seal	Excellent	
Oil Resistance	Excellent	
Water/Glycol Resistance	Moderate	

4.

Loctite 638 - Retaining		
Strength Required	High	Recommended for all coarse metal threads. Suitable for fast applications at low temperatures e.g. outdoor plant maintenance
Handling Strength	8 min.	
Diametrical Clearance	Up to 0.25mm	
Temperature Resistance	150 C	

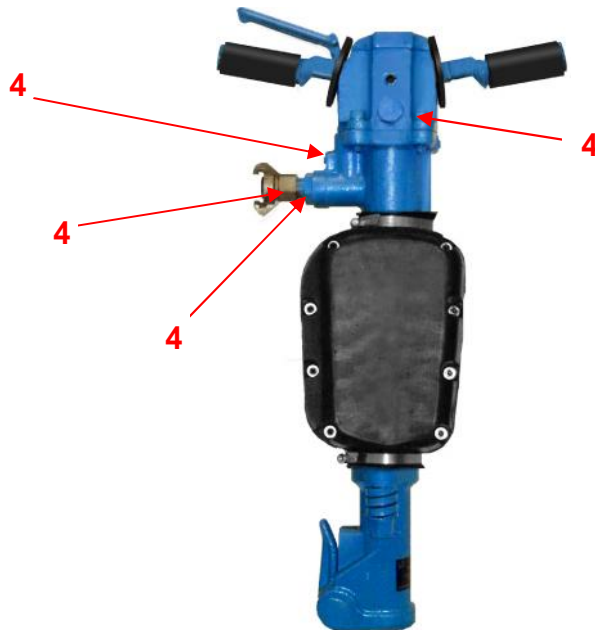
The data shown above is taken from Loctite literature. More information can be found on www.loctite.co.uk.

VR Breakers

Retaining compound is used on the 4 backhead bolts, and also on the air inlet nipple where it screws on to the cylinder.

Retaining compound is used on the 3 pressure plugs on the cylinder.

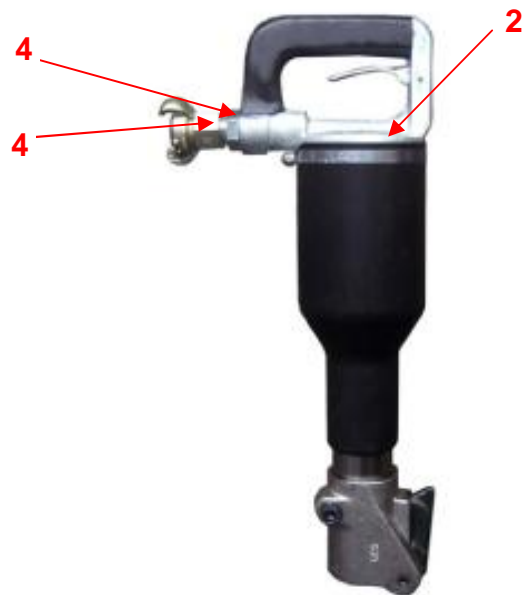
Retaining compound is used on the connection between the air inlet nipple and hose coupling.



VR Demotools

Thread-locking compound is used on the 4 backhead bolts,.

Retaining compound is used on the connection between the air inlet nipple and hose coupling. and also on the air inlet nipple where it screws on to the cylinder



** Ensure all threads/interfaces are cleaned and degreased prior to application of any sealing/locking/adhesive compound. All parts used in assembly must be to the manufacturers specification.*