

## HYDRAULIC BOLT TENSIONING

### Low Pressure Oil Return System

A low pressure oil return system is available for use with Boltight's air driven and hand operated pumps. The hose is made from coiled plastic tubing with swivel end connections. Each end is fitted with a self sealing quick connector so there is no leakage of oil during use or storage.

All Boltight air driven pumps are fitted with an extra quick connector which is attached directly to the oil reservoir (optional extra on hand pumps). This accepts the low pressure oil return hose and allows oil to return from the bolt tensioning tools, directly to the oil reservoir. The hose acts as a BYPASS. Oil returning from the bolt tensioner is not required to pass through numerous quick connectors and small bore high pressure hoses, all of which provide some resistance to the return of the oil. The hose also bypasses the pump oil pressure release valve which is the single greatest restriction to the flow of oil back to the reservoir.

When the low pressure oil return system is used the effort required to return the bolt tensioning tool pistons is significantly reduced. This system combined with the Boltight composite seal construction makes returning the pistons in Boltight tools, easy and quick work. The system is also useful when bleeding air from tools or hoses. A complete tool ring main can be connected back to the reservoir and oil allowed to circulate until all air has been bled. Any air bubbles are easily seen through the opaque walls of the low pressure oil hose.

*A 1500 bar air driven pump fitted with the Low Pressure Oil Return Hose*



*A 1500 bar hand pump fitted with the Low Pressure Oil Return Hose*



1000 bar  
1500 bar  
2500 bar

Part No BT-1021  
Part No BT-1521  
Part No BT-2521



**BOLTIGHT®**  
HYDRAULIC BOLT TENSIONING

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