

UNIVERSAL SETUP MASTER
For use with Tangential Tension Gage



This new, economical Universal Setup Master has been developed for use in setting up the Tangential Tension Gage for the precision measurement of piston ring tension.

The unit is of a simple, two-piece sliding construction that combines with standard gage blocks to provide a diameter range of 3.750" through 4.200".

A table provided with the unit specifies the total gage block stack required for a given diameter and includes suggested sizes of individual gage blocks to equal the gage block stack.

Features:

- Unique design eliminates the need (and expense) for specific sizes of setup masters
- Simple, two-piece sliding design combines with standard gage blocks to accommodate a diameter range of 3.750" through 4.200"
- Gage block size required for a desired diameter is easily determined from a table

Bore Diameter (inches)	Total Gage Block Stack (inches)	Suggested Individual Gage Blocks (inches)
3.750	0.255	0.150 + 0.105
3.755	0.263	0.150 + 0.113
3.760	0.271	0.150 + 0.121
3.765	0.279	0.150 + 0.129
3.770	0.287	0.150 + 0.137
3.775	0.295	0.150 + 0.145
3.780	0.302	0.200 + 0.102
3.785	0.310	0.200 + 0.110
3.790	0.318	0.200 + 0.118
3.795	0.326	0.200 + 0.126
3.800	0.334	0.200 + 0.134

3.750" Equivalent Diameter Setup

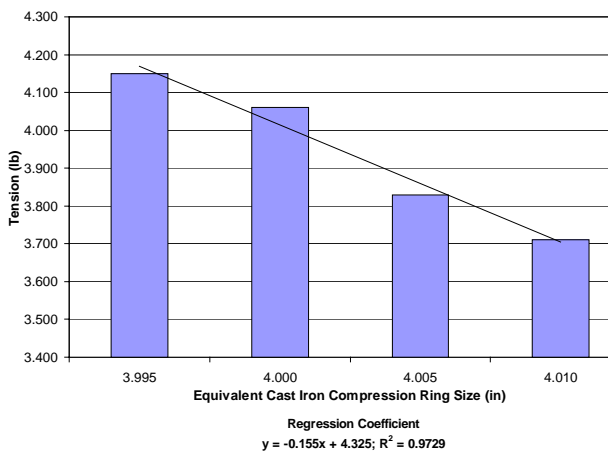


4.2" Equivalent Diameter Setup

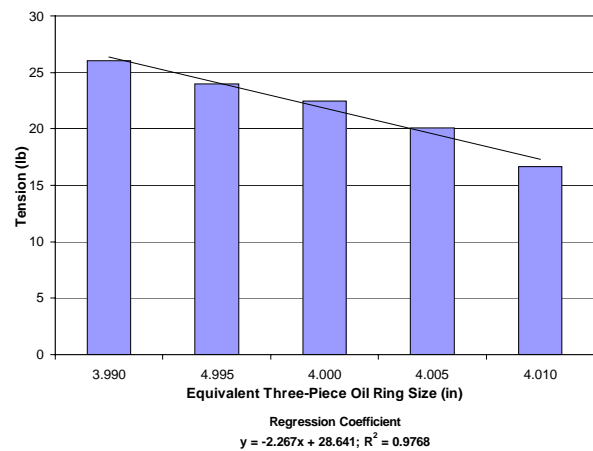


The Universal Setup Master has been compared to an equivalent size compression ring and oil ring assembly with the following results.

Cast Iron Compression Ring



Three-Piece Oil Ring



For additional information on this and other gage designs, please contact us at:
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