

Engineering Specification PS-123

Torque For Hex Brass Stem Cap

Purpose:

Provide a specification that addresses torque requirements for hex brass stem cap requiring a refrigerant tight seal*.

Scope:

This specification applies to hex brass stem cap when assembled on Brass a-Ring Style Shutoff Valves. This specification covers the application listed in the chart below:

Temperature Range:	-40° F to +250° F
Service Pressure:	700 psig Max.
Burst Pressure:	2500 psig Min.

Torque Recommendations:

Cap PIN	Body Size & Shape	Recommended Seating Torque
B80163	11/16" Sq. or 3/4" Hex	8 to 10 Ft.-Lbs.
B80165	7/8" Sq.	12 to 15 Ft.-Lbs.
B80166	1" Sq.	12 to 15 Ft.-Lbs.
B80167	1 1/8" Sq.	15 to 20 Ft.-Lbs.

Notes:

1. Prior to applying recommended torque to hex brass stem cap, apply a small amount of refrigeration oil to threads and seal surface of valve to ensure a refrigerant tight seal* and to aid in assembling cap.
2. *Leak test per Engineering Specification PS-I05, Electronic Leak Testing

Specification Number:

PS- 123 (Doc. Control # CDP-054)

Revision:

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Torque Specifications for Hex Brass Stem Caps


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