BRITISH GAGES

BSPT TAPER SCREW THREAD PLUG AND RING GAGES

Gages for testing pipe threads where pressure tight joints are made on the threads to BS 21: 1985, and ISO 7/2 1982.

BS 21 specifies requirements of pipe threads for joints made pressure tight by the mating of threads, and are taper external, taper internal, parallel external and parallel internal threads.

The thread form is based on the Whitworth profile. The taper is 1:16 on diameter, normal to the axis.

Please note that ISO-7-2:2000(E) specifies that the external taper product thread is gauged by using a parallel full form threaded ring gage and a tapered plain ring gage respectively.

ISO 7/2 are different in design and have different gage manufacture limits than BS21.

BS & BSW SCREW THREAD GAGES

Gages for testing parallel threads having a full form Whitworth profile are manufactured to BS 84: 1956, and BS 919: Part 2: 1971.

BS 84 specifies basic information for the Whitworth form, and tabulates diameters for threads designated BSW and BSF.

BSW is a coarse thread series from 1/8” to 6” diameter.

BSF is a fine thread series from 3/16” to 3” diameter.

BSP SCREW THREAD GAGES

Gages for testing parallel threads having a full form Whitworth profile are manufactured to BS 228, BS 21, DIN 259, DIN 5157. Class A is standard tolerance. Class B is loose or rough tolerance. 55º thread.

BA SCREW THREAD GAGES

Gages for testing threads having a full form BA profile are manufactured to BS 93: 1951, and BS 919: Part 2: 1971.

BS 93 specifies basic information for the British Association thread form, and tabulates diameters for threads from 0BA to 25BA.

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