



## Thread Fit Defined for External & Internal Threads

Thread form standards establish the amount of clearance between the male and female threads. The thread fit class is described by a numerical number, from 3 to 9 for external threads and from 4 to 8 for internal threads.

The amount of clearance is designed so as the amount of clearance increases, the load carrying ability of the male and female threaded assembly declines. With fasteners supplied in corrosion resistant coatings, it is necessary to allow for the thickness of coatings on threads.

### External Threads

Thread Series	Thread Fit Class	Comments
ISO Metric	8g	Specified for Property Class 4.6 bolts and screws.
	6g	Specified for higher strength grades of bolts and screws and socket recess products.
Unified UNC & UNF	2A	Specified for all grades of Unified bolts and screws and socket recess products.
Whitworth BSW & BSF	Free	Specified for hexagon bolts and screws.
British Association BA	Normal	Specified for most metal thread screw products

### Internal Threads

Thread Series	Thread Fit Class	Comments
ISO Metric	6H	Specified for most common nut products.
Unified UNC & UNF	2B	Specified for most common nut products.
Whitworth BSW & BSF	Normal	Specified for most common nut products.
British Association BA	Normal	There is no thread class in the BA series for internal thread other than Normal Class