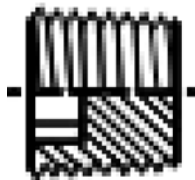




NPT HOLLOW HEAD PLUG



Part No.		Thread
2222	-2SS	1/8"
2222	-4SS	1/4"
2222	-6SS	3/8"
2222	-8SS	1/2"
2222	-12SS	3/4"
2222	-16SS	1"

Standard materials available.

Suffix: S - Carbon Steel

B - Brass

SS - Stainless Steel

Other metals such as Monel, Titanium, Aluminium Bronze, Phosphor Bronze, Brass and Duplex Stainless Steel are also available upon request.



Safety Factor for Fittings

The following information details the safety factors used in Hydrasun designed components. It should be noted that there is no definite standard used across the industry, the safety factors used vary from company to company and across applications.

Safety factors for pressure ratings have an allowance of -5%. This tolerance is based on Autoclave's tolerance for bursting discs, which are a critical safety device. Applying this rating for non-critical fittings gives a conservative safety rating.

The rationale for the 3:1 safety factor for female ends is based on information from Parker Fluid connectors, and from our customer's requirements. Parker (Ermeto Original) state a minimum safety factor of 2.5:1 for fittings classified by Working Pressure.

From a customer point of view the 3:1 safety factor is arrived at through size considerations and cost. To achieve a safety factor higher than 3:1 the component would become too bulky unless a higher strength material was used, which increases the cost. Customer specified ratings out with the parameters stated below should be noted in the appropriate Design File.

Safety factors for threads and retaining areas for swivel nut fittings are 4:1, also with a -5% tolerance. As the pressure rating is usually the "weakest parameter" of the fitting design, the thread safety factor is normally well within limits.

Where a fitting has a male/female configuration the lower of the two safety factors determines the rating for the fitting.

Where a fitting is for use with a hose the working pressure of the assembly is the lesser of the rated working pressure of the hose and the end connections used.

Pressure Rating of Fitting (PSI)	Male end safety factor	Female end safety factor
3000	4:1	3:1
4000	4:1	3:1
5000	4:1	3:1
6000	4:1	3:1
10000	4:1	3:1
15000	3:1	2.5:1
20000	2.5:1	2:1