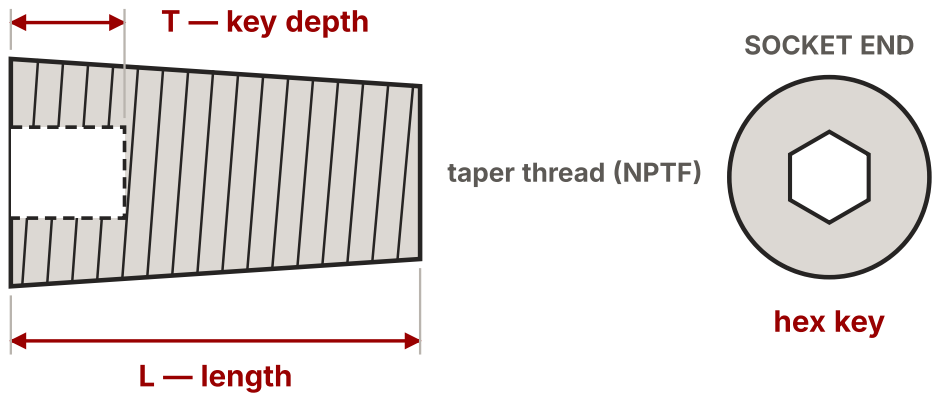
Socket Pipe Plug Dimensions

jandesupply.com/reference-pipe-plug-dimensions.php

J & E Supply & FASTENER CO.

Hex key, length, key depth and tap drill for inch hex socket pipe plugs (pressure plugs), NPTF taper thread.

A **socket pipe plug** — also called a pressure plug — closes a tapped pipe-thread hole and is turned with a hex key. The threads are **NPTF** taper threads. The size is the **pipe size** of the hole it closes (a 1/8″ plug fits a 1/8″-27 pipe-thread hole), not a measurement of the plug. Two kinds: the **Dryseal** (3/4″ taper per foot) is longer and the more common one; it engages more threads and fits holes that aren't tapped as accurately. The **flush** type (7/8″ taper per foot) is shorter and is meant to sit level with the top of the tapped hole.



Socket shown dashed.

Dryseal pipe plugs — 3/4″ taper per foot (inches)

PIPE SIZE	THREADS / IN	HEX KEY	LENGTH L	KEY DEPTH T MIN	TAP DRILL*
1/16″	27	5/32″	0.312	0.140	15/64″
1/8″	27	3/16″	0.312	0.140	21/64″
1/4″	18	1/4″	0.438	0.218	27/64″
3/8″	18	5/16″	0.500	0.250	9/16″
1/2″	14	3/8″	0.562	0.312	11/16″
3/4″	14	9/16″	0.625	0.312	57/64″
1″	11½	5/8″	0.750	–	1-1/8″
1-1/4″	11½	3/4″	0.812	0.437	–
1-1/2″	11½	1″	0.812	0.437	–
2″	11½	1″	0.875	0.437	–

*Tap drill when the hole is finished with a tapered pipe reamer. A dash means our two sources don't agree — give us a call at 405-670-1234.

Flush pipe plugs — 7/8″ taper per foot (inches)

PIPE SIZE	THREADS / IN	HEX KEY	LENGTH L MAX
1/16″	27	5/32″	0.250
1/8″	27	3/16″	0.250

PIPE SIZE	THREADS / IN	HEX KEY	LENGTH L MAX
1/4″	18	1/4″	0.406
3/8″	18	5/16″	0.406
1/2″	14	3/8″	0.531
3/4″	14	9/16″	0.531

Larger flush plugs: give us a call at 405-670-1234.

Quick answers

What size hex key fits a 1/8" pipe plug?

A **3/16″** hex key (Allen wrench) for a 1/8″-27 socket pipe plug.

What hex key goes with each socket pipe plug size?

1/16″ – 5/32″, 1/8″ – 3/16″, 1/4″ – 1/4″, 3/8″ – 5/16″, 1/2″ – 3/8″, 3/4″ – 9/16″, 1″ – 5/8″, 1-1/4″ – 3/4″, 1-1/2″ – 1″, 2″ – 1″.

What does the size of a pipe plug mean?

The pipe size of the hole it closes — a 1/8″ plug fits a 1/8″-27 pipe-thread hole. It is not a measurement of the plug.

What tap drill do I use for a 1/4" pipe plug?

27/64″ when the hole is finished with a tapered pipe reamer.

What is the difference between a Dryseal and a flush pipe plug?

The Dryseal (3/4″ taper per foot) is longer and the more common one; it engages more threads and fits holes that aren't tapped as accurately. The flush type (7/8″ taper per foot) is shorter and is meant to sit level with the top of the tapped hole.

Reference values drawn from the governing standards. For critical applications, confirm against the standard and the manufacturer's published data. Technical information disclaimer →