

Thread Identification Kit

BrakeQuip

INNOVATIVE SOLUTIONS FOR AUTOMOTIVE PLUMBING

INNOVATIVE SOLUTIONS FOR AUTOMOTIVE PLUMBING

Industry rated as "The" Automotive Thread Gauge for Automotive Professionals



PART NO.
BQ2100

Instantly identifies at least 99% of brake plumbing threads.

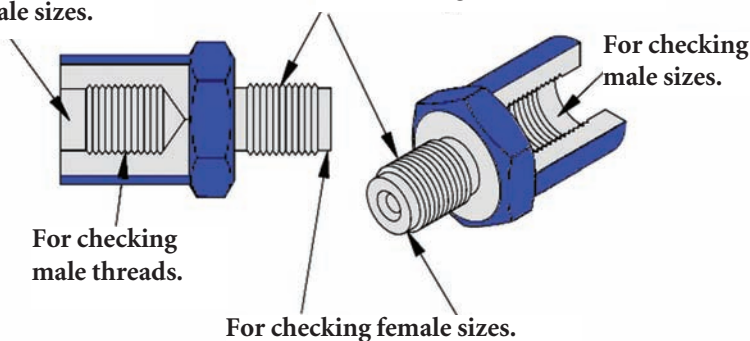
- Includes the 16 most popular Male and Female threads used on braking systems
- Includes both Male & Female size gauging
- Includes both Metric and Imperial
- Gauge can be used to plug fluid ports
- Color coded in groups for fast selection
- All threads are hardened for long life
- Comes in a sturdy black carrying case



Each gauge is available separately.

For checking male sizes.

For checking female threads.



PART NO.	DESCRIPTION
BQ2100	Kit
BQ2100A	3/8 x 24NF
BQ2100B	7/16 x 24NS
BQ2100C	7/16 x 20NF
BQ2100D	1/2 x 20NF
BQ2100E	M10 x 1.0
BQ2100F	M10 x 1.25
BQ2100G	M12 x 1.0
BQ2100H	M12 x 1.5
BQ2100J	9/16 x 18NF
BQ2100K	9/16 x 20NS
BQ2100L	M9 x 1.0
BQ2100M	M10 x 1.5
BQ2100N	M12 x 1.25
BQ2100P	M11 x 1.25
BQ2100Q	M14 x 1.5
BQ2100R	3/8 x 20BSF

Blue - Most popular Metric threads
 Red - Most popular Imperial threads
 Gold - Less popular Metric threads
 Green - Less popular Imperial threads

Identifying the Correct Thread

THREAD FACTS

Worldwide there are only two measuring systems - Metric and Imperial. Some times the imperial measurement is called SAE or American.

Metric systems measure the thread by the distance between two thread pitches expressed in millimeters. Example: M10 x 1 = The OD of the thread is 10mm and the distance between each thread pitch is 1mm. Imperial systems measure the number of thread pitches over a one inch length.

Example: 7/16 x 24NS = The OD of the thread is 7/16 & the number of thread pitches over a one inch length is 24.

After some experience of looking at threads and knowing what vehicle the fitting came from you will be able to determine fitting threads by just looking at them.

Determining if the thread is metric or imperial.

The easiest way is using a thread gauge. We offer a thread identification kit (BQ2100) for this purpose and covers the majority of threads that you will encounter working with brake plumbing. Another method could be to use a brake hose fitting or tube nut that you could confirm the thread and size from.

1. Determining the fitting OD

- If a male fitting - Measure the OD of the thread. Take into account that this measurement will be slightly under the nominal size.
- If a female fitting - Measure the ID of the thread. Compare this measurement at the distance between the "valleys" of opposing pitches with corresponding male fittings.

2. Determining the thread pitch

If it is an imperial size - Count the number of thread pitches over say 1/2" length and then multiply by 2 to get your T.P.I. (Threads per Inch).

A GLOBAL GUIDE TO THREAD SELECTION

European (excluding UK)	99% Metric
Asian	99% Metric
UK (1930 - 1976)	Imperial
UK (1976-2008)	Metric
USA (1930 - 1980)	Imperial
USA (1980 - 2008)	Metric & Imperial

If it is a metric size - Measure the distance between two thread pitches to determine the thread pitch.

Imperial Threads found on braking systems

3/8 x 24NF 7/16 x 24NS 9/16 x 20NS
 3/8 x 20BSF 1/2 x 20 NF
 7/16 x 20NF 9/16 x 18NF

Metric Threads found on braking systems

M9 x 1 M10 x 1.5 M12 x 1.25
 M10 x 1 M11 x 1.25 M12 x 1.5
 M10 x 1.25 M12 x 1 M14 x 1.5

80% of threads found on braking systems are:

3/8 x 24NF
 7/16 x 24NS
 M10 x 1

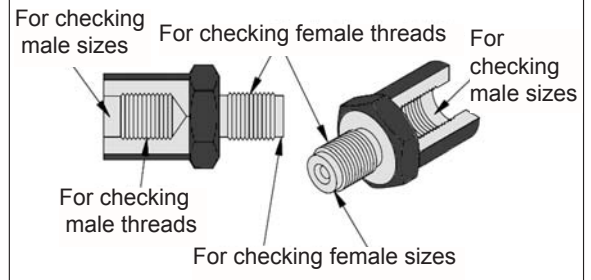
The two sizes most confused because they are so close in dimension is:

- 3/8 & 10mm. A 3/8x24NF thread will screw in to a M10x1 but a M10x1 will not start into a 3/8 thread. If uncertain, always go for the M10x1 to see if it will start in the thread.
- 7/16 & 11mm. The 11mm thread is extremely rare so always go for the 7/16 thread first is a safe bet.

NOTE

It is possible to have metric on one end and imperial on the other end of the hose.

The metric pitch is the same for all sizes, so if you don't have the exact one you want, you can determine this pitch by selecting a different size metric gauge.



ABBREVIATIONS

NF = National Fine
 NS = National Special
 BSF = British Standard Fine

TIPS ON USING THE BQ2100 THREAD GAUGE

Gauges are organized into popularity groups:
 Blue = Most popular Metric Threads
 Red = Most popular Imperial threads
 Gold = Less popular metric threads
 Green = Less popular Imperial threads