

Metric Fittings vs. Metric Threads:

The terminology used to describe the majority of foreign threaded fittings can be confusing to some. Metric fitting is a term describing a number of foreign threads including BSP, JIS, Kobelco, Komatsu, and Metric, even though some of these have imperial dimensions. Metric threads, however, refers to a specific type of foreign thread and is part of the Metric fitting category.

Hose/Tube Side vs. Port Side:

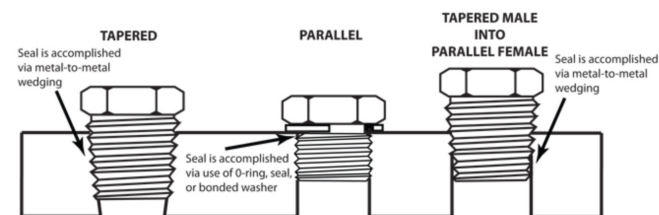
When fittings are classified, they are usually done so tube or hose side first, meaning that the end connecting to a hose or tube is typically listed first. The port side is usually listed second.

Thread Form vs. Thread Pitch:

When identifying fittings, another important factor to look at is thread form and thread pitch. Thread form refers to the angle (in degrees) that exists between adjacent flanks of a thread. Thread pitch however, refers to the distance measured between adjacent thread crests.

Tapered vs. Parallel Threads:

A good first step towards thread identification is to determine whether the thread is parallel or tapered. Parallel means the thread walls are straight; while tapered means the thread walls, if continued lengthwise, would eventually meet. A seal must be used for all parallel fittings in port application.



Waukesha Express Store

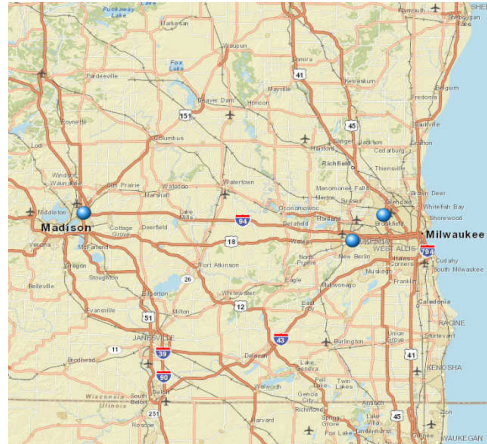
1811 Dolphin Drive
Waukesha, WI 53186

Butler Express Store

4665 N 124th Street
Butler, WI 53007

Madison Express Store

820 Walsh Road
Madison, WI 53714



Customer Service

Phone: 262-521-2170

Fax: 262-521-2723

e-mail: sales@hyquip.net

www.hyquip.net

Normal Business Hours:

Monday thru Friday 7:30am-5:00pm

Saturday 8:00am-12:00pm (Butler Only)

Sunday Closed

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EXPRESSSM

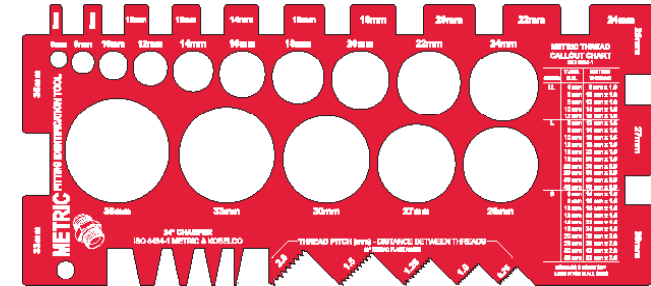
HOSE CENTER

**After Hours Emergency
Customer Service 414-531-2455**

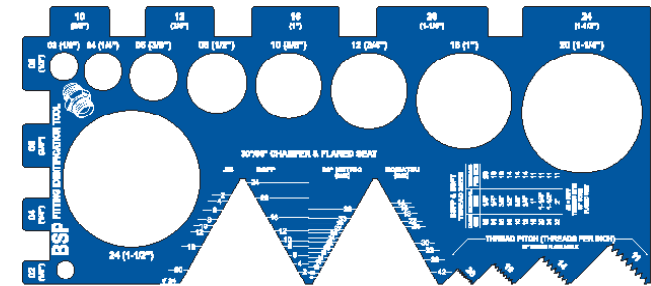
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Metric, BSP, Komatsu, & JIS

Identification Tool Kit Set



Metric & Kobelco



BSP, Komatsu & JIS

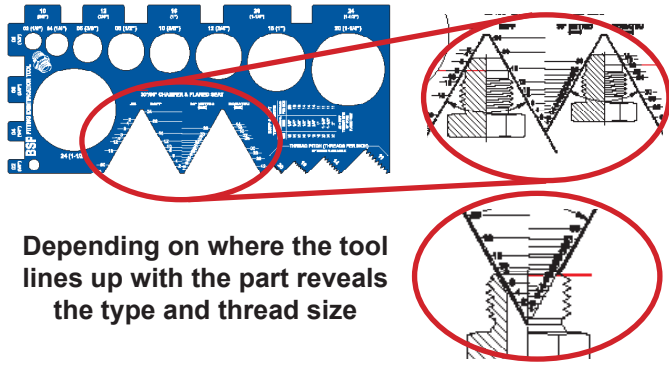
Product Distributed By:

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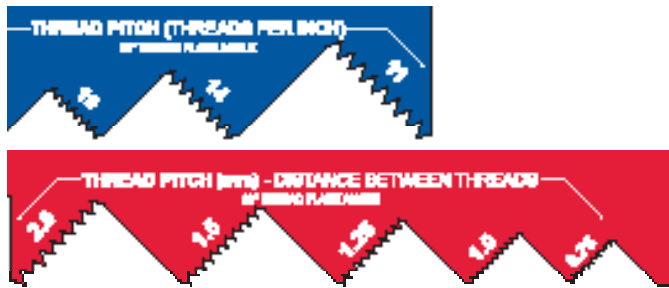
Part Number: **TGK-01**

30° / 60° Chamfer & Flared Flat Seat



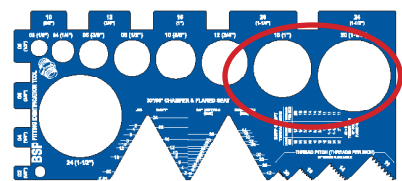
Depending on where the tool lines up with the part reveals the type and thread size

Thread Pitch

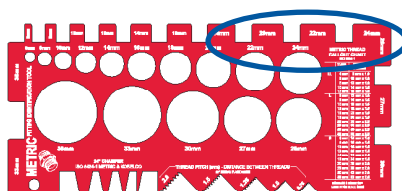


Look closely to see if the gauge's teeth perfectly align with the threads. If they do not, move to the next gauge spot. Check the threads in the same manner and repeat this process until you find the gauge that matches the threads.

Additional Identification Method

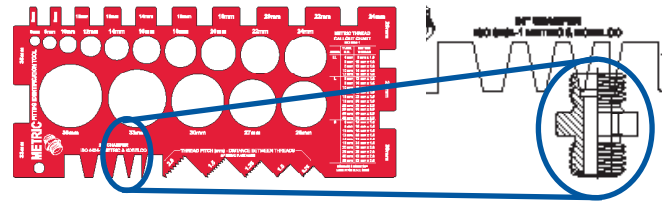


Method to determine male thread sizes



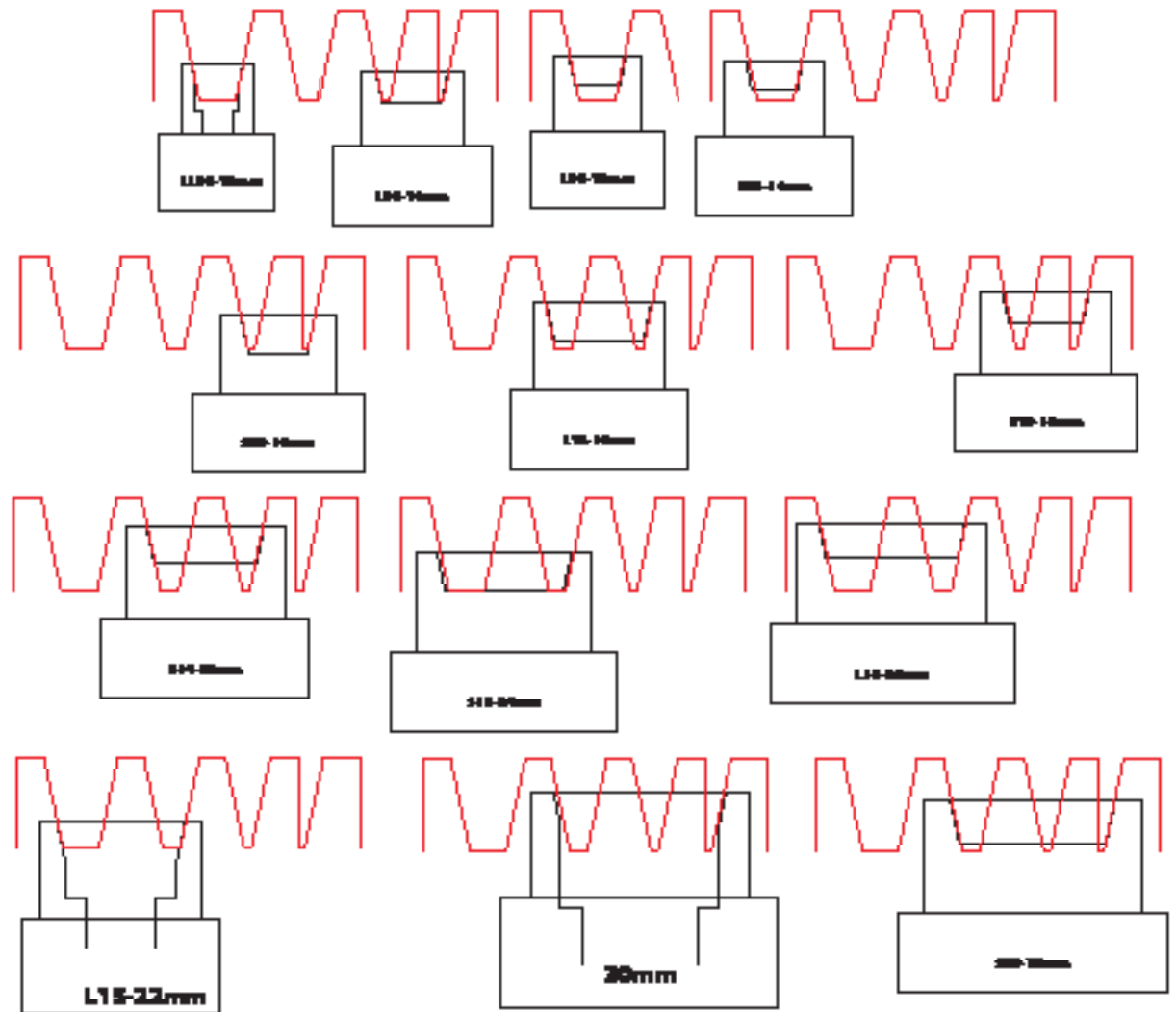
Method to determine female thread sizes

24° Chamfer Metric & Kobelco



Universal Chamfer Checker

24° chamfer checker works for all metric sizes in one convenient area!



Reference the metric thread callout chart on the metric tool piece (red) to determine if tube O.D. is light or heavy series.

Frequently, BSP threads are expressed as a fractional dimension preceded by the letter "G" or the letter "R". The "G" represents a parallel thread and the "R" indicates a tapered thread. For example, BSPP 3/8-19 may be expressed as G 3/8, and BSPT 3/8-19 may be expressed as R3/8.