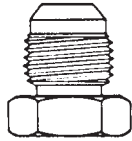


Thread Fitting Guide



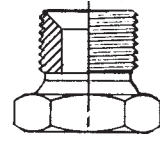
1/8 NPT



1/4 NPT (actual size)



3/8 NPT



AN (JIC) 37° Flare Fittings (same thread used on O-Ring ports)	
AN Size	Thread Size
3AN	3/8 - 24
4AN	7/16 - 20
6AN	9/16 - 18
8AN	3/4 - 16
10AN	7/8 - 14
12AN	1 1/16 - 12
16AN	1 5/16 - 12

NPT Pipe Fittings (tapered thread) (American Standard Pipe)		
Nominal Size	Approx. Dia. at middle of taper	Threads per inch
1/8 NPT	.40 inch	27
1/4 NPT	.53 inch	18
3/8 NPT	.67 inch	18
1/2 NPT	.83 inch	14
3/4 NPT	1.04 inch	14
1" NPT	1.30 inch	11 1/2

BSP Pipe Fittings (straight thread) (British Standard Pipe)		
Nominal Size	Thread Diameter	Threads per inch
1/8 BSP	.38 inch	28
1/4 BSP	.51 inch	19
3/8 BSP	.66 inch	19
1/2 BSP	.81 inch	14
5/8 BSP	.90 inch	14

Sealing Washers and O-Rings

Copper, Aluminum and Nylon Sealing Washers



Soft annealed copper crush washers are most commonly used for brake banjo fittings and to seal brake adapters to spot-faced ports. Aluminum washers are commonly used on fuel system banjo fittings and carburetor adapters. We also stock nylon washers.

- 3/8 inch (10mm) Soft Copper Crush Washer Part No. 3241-3/8 \$79C each
- 1/16 inch Soft Copper Crush Washer Part No. 3241-7/16 \$79C each
- 1/2 inch Soft Copper Crush Washer Part No. 3241-1/2 \$79C each
- Aluminum Washer, 3/8 inch (10mm) nominal I.D., 5 pcs Part No. 3278-03 \$4.49
- Aluminum Washer, 7/16 inch nominal I.D., 5 pcs Part No. 3278-04 \$4.99
- Aluminum Washer, 9/16 inch nominal I.D., 5 pcs Part No. 3278-06 \$4.99
- Aluminum Washer, 3/4 inch nominal I.D., 5 pcs Part No. 3278-08 \$6.49
- Aluminum Washer, 1 5/16 inch nominal I.D., 5 pcs Part No. 3278-16 \$8.99
- Aluminum Washer, 12mm nominal I.D., 5 pcs Part No. 3278-M12 \$4.49
- Aluminum Washer, 14mm nominal I.D., 5 pcs Part No. 3278-M14 \$4.99
- Aluminum Washer, 16mm nominal I.D., 5 pcs Part No. 3278-M16 \$4.99
- 6AN Nylon Sealing Washer Part No. 3246-6 \$1.99 each
- 8AN Nylon Sealing Washer Part No. 3246-8 \$1.99 each
- 10AN Nylon Sealing Washer Part No. 3246-10 \$2.39 each

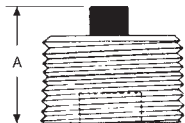
Copper and Aluminum 37° SECO 7 Seals



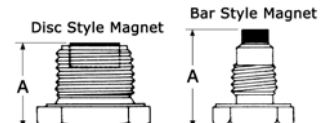
These seals are indispensable when mating flared tubing to male AN fittings with AN tube nuts and tube sleeves. Soft conical seals act as a crush washer to ensure reliable, leak-free seals without damaging the tubing or the AN fitting. Use copper seals with steel tubing and fittings or aluminum seals with aluminum tubing and fittings.

- For 3AN Fittings, Copper Part No. 3202-03-Copper \$1.39
- For 4AN Fittings, Copper Part No. 3202-04-Copper \$1.09
- For 4AN Fittings, Aluminum Part No. 3202-04-Alum \$1.09
- For 6AN Fittings, Aluminum Part No. 3202-06-Alum \$1.09
- For 8AN Fittings, Aluminum Part No. 3202-08-Alum \$1.19
- For 10AN Fittings, Aluminum Part No. 3202-10-Alum \$1.39
- For 12AN Fittings, Aluminum Part No. 3202-12-Alum \$1.39

Magnetic Plugs



Magnetic plugs are a small investment that can help to prevent damage and wear in engines and gearboxes. Use them to replace standard oil gallery plugs and drain plugs in oil tanks, cooling systems and transmissions. They provide an easy way to check for unusual wear which may precede a failure.



Hex Recessed Socket, NPT & Metric Magnetic Plugs

- 1/8-27 NPT, Bar Magnet, A = 0.79 inch Part No. 1010 \$2.49
- 1/4-18 NPT, Bar Magnet, A = 0.84 inch Part No. 1011 \$2.69
- 3/8-18 NPT, Bar Magnet, A = 0.82 inch Part No. 1012 \$2.69
- 1/2-14 NPT, Bar Magnet, A = 1.00 inch Part No. 1013 \$2.69
- 3/4-14 NPT, Bar Magnet, A = 0.84 inch Part No. 1014 \$4.39
- 1"-11 NPT, Bar Magnet, A = 0.99 inch Part No. 1015 \$4.39
- 24mm for most Hewland and Webster Cases Part No. 1410-C03 \$19.99

Cap Screw Type, Straight Thread Magnetic Plugs

- These plugs require a sealing washer - see above.
- 1/2-20 UNF, Bar Magnet, A = 0.87 inch Part No. 1020 \$2.39
 - 5/8-18 UNF, Bar Magnet, A = 0.78 inch Part No. 1021 \$14.99
 - 3/4-16 UNF, Bar Magnet, A = 0.89 inch Part No. 1022 \$7.49
 - 7/8-14 UNF, Disc Magnet, A = 0.78 inch Part No. 1023 \$11.99
 - 7/8-18 NS, Disc Magnet, A = 0.78 inch Part No. 1024 \$7.49
 - 1"-18 NS, Disc Magnet, A = 0.89 inch Part No. 1025 \$7.49

Aluminum Stat-O-Seals



These aluminum washers with molded Buna-N inner seals are much more reliable than the more common (and somewhat cheaper) steel Stat-O-Seals. Even if the rubber portion fails to make contact all around the port, the aluminum will act as a crush washer, providing a reliable metal-to-metal seal. Use them to seal screws, bolts or plumbing fittings.

- #6 Screw Size (.138 inch) Part No. 3245-6 89C
- #10 Screw Size (.190 inch) Part No. 3245-10 89C
- 1/4 inch Size Part No. 3245-1/4 \$1.19
- 5/16 inch Size Part No. 3245-5/16 \$1.49
- 3/8 inch Size (3AN) Part No. 3245-3/8 \$1.49
- 7/16 inch Size (4AN) Part No. 3245-7/16 \$1.49
- 1/2 inch Size Part No. 3245-1/2 \$1.49
- 9/16 inch Size (6AN) Part No. 3245-9/16 \$1.99
- 5/8 inch Size Part No. 3245-5/8 \$1.99
- 3/4 inch Size (8AN) Part No. 3245-3/4 \$1.99
- 7/8 inch Size (10AN) Part No. 3245-7/8 \$2.29
- 1 inch Size Part No. 3245-1.00 \$2.99

Sealing Washers for BSP Fittings



- Aluminum Crush Washer for 1/2 BSP port Part No. 167-31 \$1.89

These sealing washers are steel with a bonded rubber insert.

- Dowty Sealing Washer for 3/8 BSP port Part No. 3240-3/8 BSP \$1.79
- Dowty Sealing Washer for 1/2 BSP port Part No. 3240-1/2 BSP \$1.79
- Dowty Sealing Washer for 5/8 BSP port Part No. 3240-5/8 BSP \$2.49
- Dowty Sealing Washer for 3/4 BSP port Part No. 3240-3/4 BSP \$3.29
- O-Ring seal for Chamfered 3/8 BSP port (Buna N) Part No. 3243-3/8 BSP 79C
- O-Ring seal for Chamfered 1/2 BSP port (Buna N) Part No. 3243-1/2 BSP 79C

O-Ring Seals for Standard O-Ring Ports



- The port must be properly chamfered to provide a reliable seal. We recommend aluminum Stat-O-Seals for ports without a chamfer.
- For 3/8-24 O-Ring Port (3AN) Part No. 3244-03 49C
 - For 7/16-20 O-Ring Port (4AN) Part No. 3244-04 49C
 - For 9/16-18 O-Ring Port (6AN) Part No. 3244-06 49C
 - For 3/4-16 O-Ring Port (8AN) Part No. 3244-08 49C
 - For 7/8-14 O-Ring Port (10AN) Part No. 3244-10 79C
 - For 1 1/16-12 O-Ring Port (12AN) Part No. 3244-12 79C
 - For 1 5/16-12 O-Ring Port (16AN) Part No. 3244-16 79C