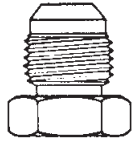


## Thread Fitting Guide

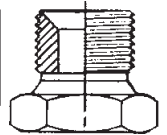


1/8 NPT

1/4 NPT (actual size)

3/8 NPT

Visit our website for more information on AN, NPT, and BSP threaded fittings!



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. Nylon washers are often used to seal bulkhead fittings on the top plate of fuel cells.

- 3/8 inch (10mm) Soft Copper Crush Washer ..... Part No. 3241-3/8 ..... 69¢ each
- 1/16 inch Soft Copper Crush Washer ..... Part No. 3241-7/16 ..... 89¢ each
- 1/2 inch Soft Copper Crush Washer ..... Part No. 3241-1/2 ..... 89¢ each
- Aluminum Washer, 3/8 inch (10mm) nominal I.D., 5 pcs ..... Part No. 3278-03 ..... \$1.89
- Aluminum Washer, 7/16 inch nominal I.D., 5 pcs ..... Part No. 3278-04 ..... \$2.09
- Aluminum Washer, 9/16 inch nominal I.D., 5 pcs ..... Part No. 3278-06 ..... \$2.39
- Aluminum Washer, 3/4 inch nominal I.D., 5 pcs ..... Part No. 3278-08 ..... \$3.99
- Aluminum Washer, 1 1/16 inch nominal I.D., 5 pcs ..... Part No. 3278-16 ..... \$8.99

- Aluminum Washer, 12mm nominal I.D., 5 pcs ..... Part No. 3278-M12 ..... \$3.99
- Aluminum Washer, 14mm nominal I.D., 5 pcs ..... Part No. 3278-M14 ..... \$4.79
- Aluminum Washer, 16mm nominal I.D., 5 pcs ..... Part No. 3278-M16 ..... \$4.99
- Aluminum Washer, 18mm nominal I.D., 5 pcs ..... Part No. 3278-M18 ..... \$5.19

- 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

### 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.

- #10 Screw Size (.190 inch) ..... Part No. 3245-3/16 ..... \$1.69
- 1/4 inch Size ..... Part No. 3245-1/4 ..... \$1.69
- 5/16 inch Size ..... Part No. 3245-5/16 ..... \$1.99
- 3/8 inch Size (3AN) ..... Part No. 3245-3/8 ..... \$1.99
- 7/16 inch Size (4AN) ..... Part No. 3245-7/16 ..... \$2.09
- 1/2 inch Size ..... Part No. 3245-1/2 ..... \$2.29
- 9/16 inch Size (6AN) ..... Part No. 3245-9/16 ..... \$2.49
- 5/8 inch Size ..... Part No. 3245-5/8 ..... \$2.69
- 3/4 inch Size (8AN) ..... Part No. 3245-3/4 ..... \$2.99
- 7/8 inch Size (10AN) ..... Part No. 3245-7/8 ..... \$3.99
- 1 inch Size ..... Part No. 3245-1.00 ..... \$8.49

### 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. All sizes are available in copper or aluminum (please see our website for full list of sizes). 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 ..... \$2.89
- For 4AN Fittings, Copper ..... Part No. 3202-04-Copper ..... \$1.99
- For 6AN Fittings, Aluminum ..... Part No. 3202-06-Alum ..... \$1.79
- For 8AN Fittings, Aluminum ..... Part No. 3202-08-Alum ..... \$1.89
- For 10AN Fittings, Aluminum ..... Part No. 3202-10-Alum ..... \$2.29
- For 12AN Fittings, Aluminum ..... Part No. 3202-12-Alum ..... \$2.39
- For 16AN Fittings, Aluminum ..... Part No. 3202-16-Alum ..... \$2.89

### O-Ring Seals for Standard (AN) O-Ring Ports



O-Rings should only be used with a properly chamfered port for a reliable seal. We recommend aluminum Stat-O-Seals for ports without a chamfer. Our Buna O-Rings are compatible with fuel and oil.

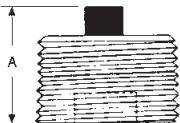
- For 3/8-24 O-Ring Port (3AN) ..... Part No. 3244-03 ..... 39¢
- For 7/16-20 O-Ring Port (4AN) ..... Part No. 3244-04 ..... 36¢
- For 9/16-18 O-Ring Port (6AN) ..... Part No. 3244-06 ..... 39¢
- For 3/4-16 O-Ring Port (8AN) ..... Part No. 3244-08 ..... 39¢
- For 7/8-14 O-Ring Port (10AN) ..... Part No. 3244-10 ..... 39¢
- For 1 1/16-12 O-Ring Port (12AN) ..... Part No. 3244-12 ..... 49¢
- For 1 5/16-12 O-Ring Port (16AN) ..... Part No. 3244-16 ..... 59¢

### Sealing Washers and O-Rings for BSP Ports

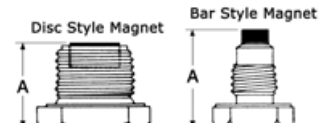


- Aluminum Crush Washer for 1/2 BSP port ..... Part No. 167-31 ..... \$1.89
- Dowty Sealing Washers are steel with a bonded rubber insert.
- Dowty Sealing Washer for 1/8 BSP port ..... Part No. 3240-1/8 BSP ..... \$1.79
- Dowty Sealing Washer for 1/4 BSP port ..... Part No. 3240-1/4 BSP ..... \$1.79
- Dowty Sealing Washer for 3/8 BSP port ..... Part No. 3240-3/8 BSP ..... \$1.99
- Dowty Sealing Washer for 1/2 BSP port ..... Part No. 3240-1/2 BSP ..... \$2.49
- Dowty Sealing Washer for 5/8 BSP port ..... Part No. 3240-5/8 BSP ..... \$2.99
- Dowty Sealing Washer for 3/4 BSP port ..... Part No. 3240-3/4 BSP ..... \$3.99
- O-Ring seal for Chamfered 3/8 BSP port (Buna N) ..... Part No. 3243-3/8 BSP ..... 79¢
- O-Ring seal for Chamfered 1/2 BSP port (Buna N) ..... Part No. 3243-1/2 BSP ..... 79¢

## 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 ..... \$2.99
- 1/4-18 NPT, Bar Magnet, A = 0.84 inch ..... Part No. 1011 ..... \$3.19
- 3/8-18 NPT, Bar Magnet, A = 0.82 inch ..... Part No. 1012 ..... \$2.89
- 1/2-14 NPT, Bar Magnet, A = 1.00 inch ..... Part No. 1013 ..... \$3.19
- 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 ..... \$4.99
- 24mm for Hewland and Webster Mk 9 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 ..... \$3.39
- 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 ..... \$13.99
- 1"-18 NS, Disc Magnet, A = 0.89 inch ..... Part No. 1025 ..... \$7.49