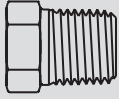
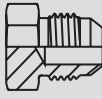

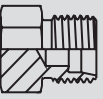
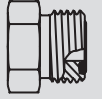
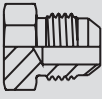
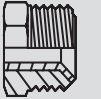



# THREAD IDENTIFICATION GUIDE

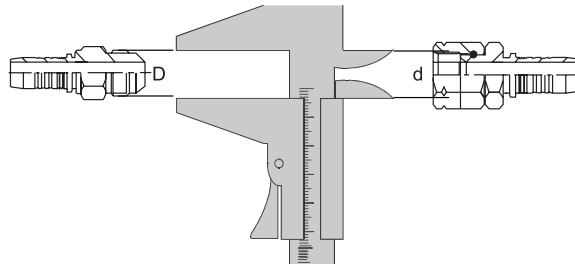
INCH SIZE	DASH SIZE								
		NPTF PIPE	SAE 37° FLARE/JIC	SAE O-RING BOSS	ERMETO FLARELESS	ORFS FOR-SEAL	SAE 45° FLARE/J512	INVERTED FLARE/J512	BSP BRITISH
1/8	-02	1/8 - 27	5/16 - 24	5/16 - 24	5/16 - 24	--	5/16 - 24	5/16 - 28	1/8 - 28
3/16	-03	--	3/8 - 24	3/8 - 24	3/8 - 24	--	3/8 - 24	3/8 - 24	--
1/4	-04	1/4 - 18	7/16 - 20	7/16 - 20	7/16 - 20	9/16 - 18	7/16 - 20	7/16 - 24	1/4 - 19
5/16	-05	--	1/2 - 20	1/2 - 20	1/2 - 20	--	1/2 - 20	1/2 - 20	--
3/8	-06	3/8 - 18	9/16 - 18	9/16 - 18	9/16 - 18	11/16 - 16	5/8 - 18	5/8 - 18	3/8 - 19
7/16	-07	--	--	--	--	--	11/16 - 16	11/16 - 18	--
1/2	-08	1/2 - 14	3/4 - 16	3/4 - 16	3/4 - 16	13/16 - 16	3/4 - 16	3/4 - 18	1/2 - 14
5/8	-10	--	7/8 - 14	7/8 - 14	7/8 - 14	1 - 14	7/8 - 14	7/8 - 18	5/8 - 14
3/4	-12	3/4 - 14	1-1/16 - 12	1-1/16 - 12	1-1/16 - 12	1-3/16 - 12	1-1/16 - 14	1-1/16 - 16	3/4 - 14
7/8	-14	--	1-3/16 - 12	1-3/16 - 12	1-3/16 - 12	--	1-1/4 - 12	1-3/16 - 16	--
1	-16	1 - 11.5	1-5/16 - 12	1-5/16 - 12	1-5/16 - 12	1-7/16 - 12	1-3/8 - 12	1-5/16 - 16	1 - 11
1-1/4	-20	1-1/4 - 11.5	1-5/8 - 12	1-5/8 - 12	1-5/8 - 12	1-11/16 - 12	--	--	1-1/4 - 11
1-1/2	-24	1-1/2 - 11.5	1-7/8 - 12	1-7/8 - 12	1-7/8 - 12	2 - 12	--	--	1-1/2 - 11
2	-32	2 - 11.5	2-1/2 - 12	2-1/2 - 12	2-1/2 - 12	--	--	--	2 - 11
2-1/2	-40	2-1/2 - 8	3 - 12	--	--	--	--	--	2-1/2 - 11
3	-48	3 - 8	3-1/2 - 12	--	--	--	--	--	3 - 11

## Metric Series

LL		L		S		FRENCH	
GERMAN SUPER LIGHT		GERMAN LIGHT		GERMAN HEAVY		FRENCH	
TUBE	THREAD	TUBE	THREAD	TUBE	THREAD	TUBE	THREAD
4 MM	M 8 X 1.0	6 MM	M 12 X 1.5	6 MM	M 14 X 1.5	12.00 MM	M 18 X 1.5
6 MM	M 10 X 1.0	8 MM	M 14 X 1.5	8 MM	M 16 X 1.5	13.25 MM	M 20 X 1.5
8 MM	M 12 X 1.0	10 MM	M 16 X 1.5	10 MM	M 18 X 1.5	16.75 MM	M 24 X 1.5
10 MM	M 14 X 1.0	12 MM	M 18 X 1.5	12 MM	M 20 X 1.5	21.25 MM	M 30 X 1.5
12 MM	M 16 X 1.0	15 MM	M 22 X 1.5	14 MM	M 22 X 1.5	26.75 MM	M 36 X 1.5
		18 MM	M 26 X 1.5	16 MM	M 24 X 1.5	33.50 MM	M 45 X 1.5
		22 MM	M 30 X 2.0	20 MM	M 30 X 2.0		
		28 MM	M 36 X 2.0	25 MM	M 36 X 2.0		
		35 MM	M 45 X 2.0	30 MM	M 42 X 2.0		
		42 MM	M 52 X 2.0	38 MM	M 52 X 2.0		

## How to Identify Thread Size:

- Measure the exterior Male thread diameter (D) or the internal Female thread diameter (d). then match with the corresponding measurement in Column MM; this will give you the correspondent thread size.



MALE O.D.	MM	FEMALE I.D.
	8.5	3/8"-24 UNF
	8.7	1/8"-28 GAS
	9.2	1/8"-27 NPSM
3/8"-24 UNF	9.4	
1/8"-28 GAS	9.6	
M10X1	10.0	7/16"-20 UNF
1/8"-27 UNF	10.4	
	10.5	M12X1.5
7/16"-20 UNF	11.0	
	11.4	1/2"-20 UNF
	11.6	1/4"-19 GAS
M12X1.5	12.0	
	12.2	1/4"-18 NPSM
1/2"-20 UNF	12.5	M14X1.5
1/4"-19 GAS	13.0	9/16"-18 UNF
1/4"-18 NPTF	13.9	
M14X1.5	14.0	
9/16"-18 UNF	14.2	
	14.5	M16X1.5
	14.6	5/8"-18 UNF
	15.1	3/8"-19 GAS
	15.5	3/8"-18 NPSM
5/8"-18 UNF	15.7	
M16X1.5	16.0	11/16"-16 UN
	16.5	M18X1.5
3/8"-19 GAS	16.6	
3/8"-18 NPTF	17.3	
11/16"-16 UN	17.4	3/4"-16 UNF
M18X1.5	18.0	
	18.5	M20X1.5
	18.8	1/2"-14 GAS
3/4"-16 UNF	19.0	13/16"-16 UN

MALE O.D.	MM	FEMALE I.D.
	19.2	1/2"-14 NPSM
M20x1.5	20.0	
	20.3	7/8"-14 UNF
13/16"-16 UN	20.5	M22x1.5
1/2"-14 GAS	20.8	
	21.1	5/8"-14 GAS
1/2"-14 NPTF	21.6	
M22x1.5	22.0	
7/8"-14 UNF	22.2	
	22.5	M24x1.5
5/8"-14 GAS	22.8	
	23.8	1"-14 UNS
M24x1.5	24.0	
	24.5	M26x1.5
	24.6	3/4"-14GAS-NPSM
	24.9	1-1/16"-12 UN
	25.0	M27x2
1"-14 UNS	25.3	
M26x1.5	26.0	
3/4"-14 GAS	26.3	
1-1/16"-12 UN	26.7	
3/4"-14 NPTF	26.9	
M27x2	27.0	
	27.9	1-3/16"-12 UN
	28.0	M30x2
M30x2	30.0	
1-3/16"-12 UN	30.1	
	30.7	1"-11.5 NPSM
	30.9	1"-11 GAS
	31.0	M33x2
	31.2	1-5/16"-12 UN
M33x2	33.0	

MALE O.D.	MM	FEMALE I.D.
1"-11 GAS	33.2	
1-5/16"-12 UN	33.3	
1"-11.5" NPTF	33.8	
	34.0	M36X2
M36X2	36.0	
	39.1	1-5/8"-12 UN
	39.4	1-1/4"-11.5 NPSM
	39.5	1-1/4"-11 GAS
	40.0	M42X2
1-5/8"-12 UN	41.1	
1-1/4"-11 GAS	41.7	
M42X2	42.0	
1-1/4"-11.5 NPTF	42.4	
	43.0	M45X2
M45X2	45.0	
	45.2	1-1/2"-11 GAS
	45.5	1-1/2"-11.5 NPSM
	45.7	1-7/8"-12 UN
	46.0	M48X2
1-7/8"-12 UN	47.5	
1-1/2"-11 GAS	47.7	
M48x2	48.0	
1-1/2"-11.5 NPTF	48.5	
	48.8	2"-12 UN
	50.0	M52x2
2"-12 UN	50.7	
M52x2	52.0	
	57.0	2"-11 GAS
2"-11 GAS	59.4	
2"-11.5 NPTF	60.6	
	61.2	2-1/2"-12 UN
2-1/2"-12 UN	63.3	