

# TUBE Dash Size - THREAD Dash Size

The RYCO Dash Size Part Numbering system for Connection Types associated with Inch sized tubing, follows the **THREAD** size rather than the **TUBE** size.

For example, for JIC 37° Flare; 9/16" **THREAD** is used with 3/8" OD **TUBE**.

The RYCO DASH SIZE for a JIC Hose Tail, 3/8" Hose to 3/8" Tube Size is therefore **-0609** (not -0606).

The Connection Types this applies to are as follows:

**JIC 37°**

**UN O Ring (O Ring Boss)**

**ORFS (O Ring Face Seal)**

**SAE 45°**

**SAE Inverted Flare**

BSP, NPT, JIS, Metric DIN, and SAE Flanges are not affected.

The tables below show the relationship between **TUBE Dash Size** and **THREAD Dash Size**.

## JIC 37° and UN O (O RING BOSS)

TUBE OD HOSE ID	TUBE or HOSE DASH SIZE	THREAD DASH SIZE	THREAD SIZE	
1/8	-02	-05	5/16-24	UNF
3/16	-03	-06	3/8-24	UNF
1/4	-04	-07	7/16-20	UNF
5/16	-05	-08	1/2-20	UNF
3/8	-06	-09	9/16-18	UNF
1/2	-08	-12	3/4-16	UNF
5/8	-10	-14	7/8-14	UNF
3/4	-12	-17	1.1/16-12	UN
7/8	-14	-19	1.3/16-12	UN
1	-16	-21	1.5/16-12	UN
1.1/4	-20	-26	1.5/8-12	UN
1.1/2	-24	-30	1.7/8-12	UN
2	-32	-40	2.1/2-12	UN

## ORFS

TUBE OD HOSE ID	TUBE or HOSE DASH SIZE	THREAD DASH SIZE	THREAD SIZE	
1/4	-04	-09	9/16-18	UNF
3/8	-06	-11	11/16-16	UN
1/2	-08	-13	13/16-16	UN
5/8	-10	-16	1-14	UNS
3/4	-12	-19	1.3/16-12	UN
1	-16	-23	1.7/16-12	UN
1.1/4	-20	-26	1.11/16-12	UN
1.1/2	-24	-32	2-12	UN

## SAE 45°

TUBE OD HOSE ID	TUBE or HOSE DASH SIZE	THREAD DASH SIZE	THREAD SIZE	
1/8	-02	-05	5/16-24	
3/16	-03	-06	3/8-24	
1/4	-04	-07	7/16-20	
5/16	-05	-08	1/2-20	
3/8	-06	-10	5/8-18	
1/2	-08	-12	3/4-16	
5/8	-10	-14	7/8-14	
3/4	-12	-17	1.1/16-14	

## SAE INVERTED FLARE

TUBE OD HOSE ID	TUBE or HOSE DASH SIZE	THREAD DASH SIZE	THREAD SIZE	
1/4	-04	-07	7/16-24	
5/16	-05	-08	1/2-20	
3/8	-06	-10	5/8-18	
7/16	-07	-11	11/16-18	

## RYCOLOK (STAPLELOK) SUPERLOK (SUPER STAPLE)

NOMINAL SIZE inch	DASH SIZE
1/4	-06
3/8	-10
1/2	-13
5/8	-16
3/4	-20
1	-25
1.1/4	-32
1.1/2	-38
2	-50

For RYCOLOK (STAPLELOK) and RYCO SUPERLOK (SUPER STAPLE), the Dash Size is the Nominal Size in millimeters.

## QUICK REFERENCE CHART OF DASH SIZE EQUIVALENTS

**Example:** Find Dash Size for 1.5/16" JIC thread. Read down JIC & UNO column until 1.5/16" is reached.  
Read off Dash Size in far left column (-21).

DASH SIZE	* INCH	** MM	BSP INCH-TPI	NPT INCH-TPI	JIC & UNO INCH-TPI	SAE FLARE INCH-TPI	ORFS INCH-TPI	METRIC MM x PITCH
-02	1/8	2	1/8 - 28	1/8 - 27				
-03	3/16	3						
-04	1/4	4	1/4 - 19	1/4 - 18				
-05	5/16	5			5/16 - 24	5/16 - 24		
-06	3/8	6	3/8 - 19	3/8 - 18	3/8 - 24	3/8 - 24		
-07	7/16	7			7/16 - 20	7/16 - 20		
-08	1/2	8	1/2 - 14	1/2 - 14	1/2 - 20	1/2 - 20		
-09	9/16	9			9/16 - 18		9/16 - 18	
-10	5/8	10	5/8 - 14			5/8 - 18		
-11	11/16	11					11/16 - 16	
-12	3/4	12	3/4 - 14	3/4 - 14	3/4 - 16	3/4 - 16		
-13	13/16	13					13/16 - 16	
-14	7/8	14			7/8 - 14	7/8 - 14		14 x 1,5 (-1415)
-15	15/16	15						
-16	1	16	1 - 11	1 - 11.1/2			1 - 14	16 x 1,5 (-1615)
-17	1.1/16	17			1.1/16 - 12	1.1/16 - 14		
-18	1.1/8	18						18 x 1,5 (-1815)
-19	1.3/16	19					1.3/16 - 12	
-20	1.1/4	20	1.1/4 - 11	1.1/4 - 11.1/2				20 x 1,5 (-2015)
-21	1.5/16	21			1.5/16 - 12			
-22	1.3/8	22						22 x 1,5 (-2215)
-23	1.7/16	23					1.7/16 - 12	
-24	1.1/2	24	1.1/2 - 11	1.1/2 - 11.1/2				24 x 1,5 (-2415)
-25	1.9/16	25						
-26	1.5/8	26			1.5/8 - 12			26 x 1,5 (-2615)
-27	1.11/16	27					1.11/16 - 12	
-28	1.3/4	28						
-29	1.13/16	29						
-30	1.7/8	30			1.7/8 - 12			30 x 1,5 (-3015) 30 x 2,0 (-3020)
-31	1.15/16	31						
-32	2	32	2 - 11	2 - 11.1/2			2 - 12	
-33	2.1/16	33						33 x 1,5 (-3315)
-36	2.1/4	36						36 x 1,5 (-3615) 36 x 2,0 (-3620)
-40	2.1/2	40	2.1/2 - 11	2.1/2 - 8	2.1/2 - 12			
-42	2.5/8	42						42 x 1,5 (-4215) 42 x 2,0 (-4220)
-48	3	48	3 - 11		3 - 8			
-52	3.1/4	52						52 x 2,0 (-5220)

**\*INCH COLUMN IS USED FOR:**

Hose ID.  
Imperial Tube OD.  
Nominal size of SAE FLANGE.

**\*\*MM COLUMN IS USED FOR:**

Metric Tube OD.  
Nominal size of RYCOLOK Couplings.