

## Steel Pipe Couplings

**FIGURE 348**  
API Line Pipe Couplings



Size		Outside Diameter (Coupling)		Length		Unit Weight	
NPS	DN	in	mm	in	mm	lbs	kg
1/8	6	0.563	14	1 1/16	27	0.04	0.02
1/4	8	0.719	18	1 5/8	41	0.10	0.05
3/8	10	0.875	22	1 5/8	41	0.13	0.06
1/2	15	1.063	27	2 1/8	54	0.24	0.11
3/4	20	1.313	33	2 1/8	54	0.35	0.16
1	25	1.576	40	2 5/8	67	0.52	0.24
1 1/4	32	2.054	52	2 3/4	70	1.00	0.45
1 1/2	40	2.200	56	2 3/4	70	0.88	0.40
2	50	2.875	73	2 7/8	73	1.83	0.83
2 1/2	65	3.375	86	4 1/8	105	3.28	1.49
3	80	4.000	102	4 1/4	108	4.09	1.85
3 1/2	90	4.625	117	4 3/8	111	5.92	2.68
4	100	5.200	132	4 1/2	114	7.59	3.44
5	125	6.296	160	4 5/8	117	10.00	4.54
6	150	7.390	188	4 7/8	124	12.92	5.86
8	200	9.625	244	5 1/4	133	23.18	10.51
10	250	11.750	298	5 3/4	146	31.55	14.31
12	300	14.000	356	6 1/8	156	49.27	22.34

- These couplings are manufactured in accordance with American Petroleum Institute Specification 5L.
- All sizes are taper tapped 3/4" per foot (62.5mm per meter) on the diameter.
- All couplings are phosphated unless electroplated.

PROJECT INFORMATION		APPROVAL STAMP	
Project:		<input type="checkbox"/> Approved	
Address:		<input type="checkbox"/> Approved as noted	
Contractor:		<input type="checkbox"/> Not approved	
Engineer:		Remarks:	
Submittal Date:			
Notes 1:			
Notes 2:			

## General Assembly of Threaded Fittings

- 1) Inspect both male and female components prior to assembly.
  - Threads should be free from mechanical damage, dirt, chips and excess cutting oil.
  - Clean or replace components as necessary.
- 2) Application of thread sealant
  - Use a thread sealant that is fast drying, sets-up to a semi hard condition and is vibration resistant. Alternately, an anaerobic sealant may be utilized.
  - Thoroughly mix the thread sealant prior to application.
  - Apply a thick even coat to the male threads only. Best application is achieved with a brush stiff enough to force sealant down to the root of the threads.
- 3) Joint Makeup
  - For sizes up to and including 2" pipe, wrench tight makeup is considered three full turns past handtight. Handtight engagement for 1/2" through 2" thread varies from 4 1/2 turns to 5 turns.
  - For 2 1/2" through 4" sizes, wrench tight makeup is considered two full turns past handtight. Handtight engagement for 2 1/2" through 4" thread varies from 5 1/2 turns to 6 3/4 turns.