ASC Engineered Solutions

Steel Pipe Couplings

☐ Figure 349
Water Well Reamed & Drifted Couplings

Size		Outside Diameter (Coupling)		Length		Unit Weight	
NPS	DN	in	mm	in	mm	lbs	kg
1¼	32	1.900	48	2¾	70	0.60	0.27
1½	40	2.200	56	2¾	70	0.84	0.38
2	50	2.750	70	3⅜	86	1.58	0.72
2½	65	3.250	83	3 15/16	100	2.32	1.05
3	80	4.000	102	4 1/16	103	3.80	1.72
3½	90	4.625	117	4 3/16	106	5.53	2.51
4	100	5.200	132	4 5/16	110	7.14	3.24
5	125	6.296	160	4½	114	9.57	4.34
6	150	7.390	188	4 11/16	119	12.32	5.59
8	200	9.625	244	5 1/16	129	22.35	10.14
10	250	11.750	298	5 9/16	141	30.60	13.88
12	300	14.000	356	5 15/16	151	48.00	21.77

- Manufactured in accordance with ASTM specification A589.
- All sizes are recessed and taper tapped ¾" per foot on diameter.
- Sizes over 2" have threads phosphated and outside painted light blue. The electroplated have a light blue band around the center of the coupling.

☐ Figure 350
#9 Drive Couplings

Size		Outside Diameter (Coupling)		Length		Unit Weight	
NPS	DN	in	mm	in	mm	lbs	kg
1¼	32	2.054	52	2¾	70	1.00	0.45
1½	40	2.200	56	2¾	70	0.84	0.38
2	50	2.875	73	3⅜	86	2.14	0.97

- All sizes are recessed and taper tapped ¾" per foot on diameter.

☐ Figure 379
Shallow Well Couplings

Size		Outside Diameter (Coupling)		Length		Unit Weight	
NPS	DN	in	mm	in	mm	lbs	kg
1¼	32	2.054	52	2¾	70	1.03	0.47
1½	40	2.200	56	2¾	70	0.90	0.41
2	50	2.875	73	2⅞	73	1.86	0.84

- The 1¼" are straight rapped and recessed.
- The 1½ and 2" are taper tapped ¾" per foot on diameter and recessed.
- The 2" threads are electroplated.

PROJECT INFORMATION	APPROVAL STAMP
Project:	☐ Approved
Address:	☐ Approved as noted
Contractor:	☐ Not approved
Engineer:	Remarks:
Submittal Date:	
Notes 1:	
Notes 2:	

Steel Pipe Couplings

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 ½" through 2" thread varies from 4½ turns to 5 turns.
- For 2½" through 4" sizes, wrench tight makeup is considered two full turns past handtight. Handtight engagement for 2½" through 4" thread varies from 5½ turns to 6¾ turns.