N PIPING SYSTEMS PVT LTD

TOTAL PIPING SOLUTIONS

AN ISO 9001-2015 CERTIFIED COMPANY | EIL & IBR APPROVED

MANUFACTURERS FOR PIPE FITTINGS, FLANGES & PIPING SPOOLS

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PIPE NIPPLES, SWAGE NIPPLES & MERCHANT COUPLINGS DIMENSION SPECIFICATION CATALOGUE

About N PIPING SYSTEMS PVT LTD:
We are a leading manufacturer specializing in high-quality pipe nipples, swage nipples, and merchant couplings, delivering superior performance across various industries worldwide. Our products are precision-engineered, built to meet international standards (ASME, API, ASTM, MSS), and designed for exceptional durability and reliability.

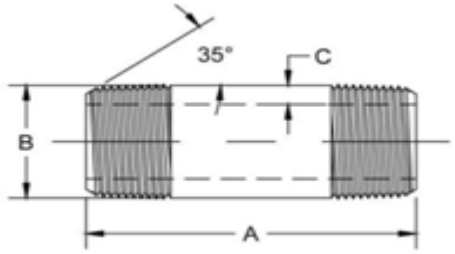
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PIPE NIPPLES

ASME B1.20.1

Pipe Nipples, Welded and Seamless, Carbon Steel and Stainless Steel





PIPE SIZE (IN)	PIPE OD B (IN)	LENGTH A (IN)		NOMINAL WALL C (IN)			
		CLOSE	SPACE	STD	XH	160	XXH
1/8	0.405	3/4	1-1/2 - 24	0.068	0.095	N/A	N/A
1/4	0.540	7/8	1-1/2 - 24	0.088	0.119	N/A	N/A
3/8	0.675	1	1-1/2 - 24	0.091	0.126	N/A	N/A
1/2	0.840	1-1/8	1-1/2 - 24	0.109	0.147	0.188	0.294
3/4	1.050	1-3/8	1-1/2 - 24	0.113	0.154	0.219	0.308
1	1.315	1-1/2	2 - 24	0.133	0.179	0.250	0.358
1-1/4	1.660	1-5/8	2 - 24	0.140	0.191	0.250	0.382
1-1/2	1.900	1-3/4	2 - 24	0.145	0.200	0.281	0.400
2	2.375	2	2-1/2 - 24	0.154	0.218	0.344	0.436
2-1/2	2.875	2-1/2	3 - 24	0.203	0.276	0.375	0.552
3	3.500	2-5/8	3 - 24	0.216	0.300	0.438	0.600
3-1/2	4.000	2-3/4	4 - 24	0.226	0.318	N/A	N/A
4	4.500	2-7/8	4 - 24	0.237	0.337	0.531	0.674
5	5.563	3	4-1/2 - 24	0.258	0.375	0.625	0.750
6	6.625	3-1/8	4-1/2 - 24	0.280	0.432	0.719	0.864
8	8.625	3-1/2	5 - 24	0.322	0.500	0.906	0.875

Material & Manufacturing Specifications:

- **Continuous Welded:** ASTM A53 TYPE F
- **Electric Resistance Welded:** ASTM A53 TYPE E, Grade B
- **Seamless High Temperature:** ASTM A106 Gr. B, ASTM A53 Type S Grade B, API 5L Grade B
- **Seamless Low Temperature:** ASTM A333 Grade 6
- **Stainless Steel ERW:** ASTM A312, Type 304/304L or 316/316L
- **Stainless Steel Seamless:** ASTM A312, Type 304/304L or 316/316L
- **Threads:** Conform strictly to ASME B1.20.1 NPT Standard

RG

PIPE NIPPLES - END FINISHES & TERMINOLOGY

ASME B1.20.1

TBE - Thread Both Ends
Both ends threaded with standard NPT tapered pipe threads.

TOE - Thread One End
One end threaded with standard NPT thread; other end square cut & deburred.

NPTF - Dryseal Thread
Standard taper dryseal pipe threads for pressure-tight joints without sealant.

PBE - Plain Both Ends
Square cut and deburred on both ends without chamfer or threads.

NPSL - Straight Locknut
Standard straight pipe threads for loose-fitting mechanical joints with locknuts.

NPSM - Straight Mechanical
Standard straight pipe threads for free-fitting mechanical joints for fixtures.

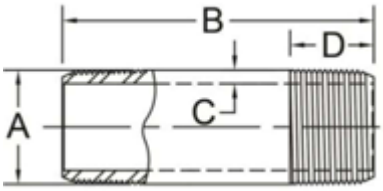
BST / BSPT - British Standard
British Standard Taper Pipe Threads conforming to BS-21 / ISO 7/1.

BBE - Beveled Both Ends
Beveled at 37.5° angle for welding applications.

NIPPLE DESCRIPTION & TERMINOLOGY NOTES:

1. **End Finish Abbreviation Order:** T (Thread), B (Bevel), G (Groove), P (Plain), RC (Ream & Chamfer).
2. TBE, BBE, GBE, and PBE may be substituted for nipples with same end finish on both ends.
3. Default end finishes listed for Thread, Bevel, and Plain. Optional variations to be called out in text including additional requirements.
4. STD cut groove is standard. ES cut groove end finish available upon request.
5. **Tolerances:** Nipples close through 12" long shall have a length tolerance of ±1/16". Nipples over 12" long shall have a tolerance of ±1/8".

API Casing Nipples, 8RD - API 5B STC (Materials: K55, N80, L80, P110)

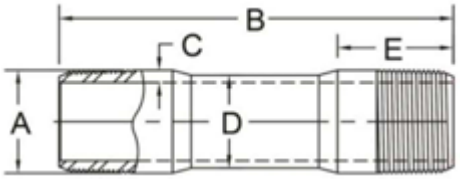




Casing Size (IN)	4-1/2	4-1/2	5-1/2	5-1/2	7	8-5/8	9-5/8
Lbs per Foot	10.5	11.6	14.0	15.5	20.0	24.0	36.0
A (OD)	4.500	4.500	5.500	5.500	7.000	8.625	9.625
B (Length)	Per Customer Requirements						
C (Wall)	0.224	0.250	0.244	0.275	0.272	0.264	0.352
D (Thread Lgth)	2.625	2.625	2.875	2.875	3.125	3.000	3.375

* API 8RD Threads identified with Red Stripe. Surface Finish: Electro-Zinc Plated.

API Tubing Nipples, EUE - With and Without Center Turned (J55, N80 STD, XH, XXH)

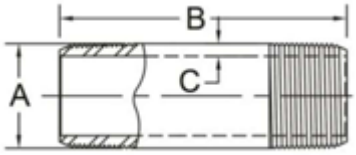






NPS Size	3/4	1	1-1/4	1-1/2	2	2-1/2	3	3-1/2	4
API 5CT Size	1.050	1.315	1.660	1.900	2-3/8	2-7/8	3-1/2	4	4-1/2
Threads / Inch	10 RD	10 RD	10 RD	10 RD	8 RD	8 RD	8 RD	8 RD	8 RD
A (OD)	1.315	1.469	1.812	2.094	2.594	3.094	3.750	4.250	4.750
B (Length)	Per Customer Requirements								
C for STD	0.246	0.210	0.216	0.242	0.299	0.326	0.379	0.387	0.396
C for XH	0.287	0.256	0.266	0.296	0.360	0.390	0.437	0.438	0.467
C for XXH	0.441	0.435	0.458	0.497	0.547	0.672	0.750	0.750	0.812
D	1.050	1.315	1.660	1.900	2.375	2.875	3.500	4.000	4.500
E	2.250	2.375	2.500	2.563	3.063	3.250	3.500	3.625	3.750

API Tubing Nipples, NUE (J55, N80 STD and XH Schedules)



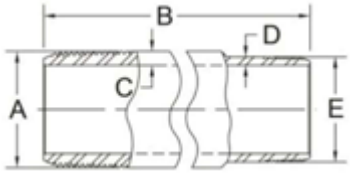


NPS Size	3/4	1	1-1/4	1-1/2	2	2-1/2	3	3-1/2	4
API 5CT Size	1.050	1.315	1.660	1.900	2-3/8	2-7/8	3-1/2	4	4-1/2
Threads / Inch	10 RD	10 RD	10 RD	10 RD	10 RD	10 RD	10 RD	8 RD	8 RD
A (OD)	1.050	1.315	1.660	1.900	2.375	2.875	3.500	4.000	4.500
B (Length)	Per Customer Requirements								
C for STD	0.113	0.133	0.140	0.145	0.190	0.217	0.254	0.262	0.271
C for XH	0.154	0.179	0.191	0.200	0.250	0.281	0.312	0.312	0.343

API COMBINATION TUBING NIPPLES

ASME 5B, API 5CT, API 5L

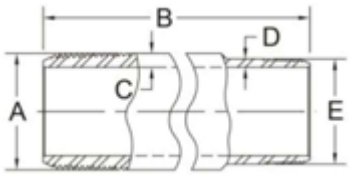
API Tubing Nipples, Combination EUE x NUE (J55, N80 STD & XH)





EUE x NUE Size	2 x 2	2-1/2 x 2-1/2	3 x 3	3-1/2 x 3-1/2	4 x 4
EUE Threads / Inch	8 RD	8 RD	8 RD	8 RD	8 RD
NUE Threads / Inch	10 RD	10 RD	10 RD	10 RD	8 RD
A (EUE OD)	2.594	3.094	3.750	4.250	4.750
B (Length)	Per Customer Requirements				
C for STD	0.299	0.326	0.379	0.387	0.396
C for XH	0.360	0.390	0.437	0.438	0.467
D for STD	0.190	0.217	0.254	0.226	0.271
D for XH	0.250	0.281	0.312	0.312	0.343
E (NUE OD)	2.375	2.875	3.500	4.000	4.500

API Tubing Nipples, Combination EUE x LP (J55, N80 STD & XH)



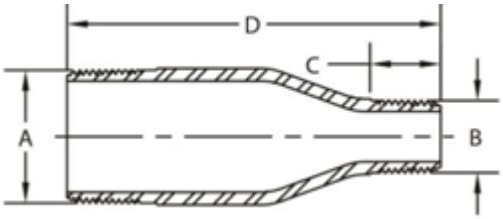


EUE x LP Size	2 x 2	2-1/2 x 2-1/2	3 x 3	3-1/2 x 3-1/2	4 x 4
EUE Threads / Inch	8 RD	8 RD	8 RD	8 RD	8 RD
LP Threads / Inch	11.5	8.0	8.0	8.0	8.0
A (EUE OD)	2.594	3.094	3.750	4.250	4.750
B (Length)	Per Customer Requirements				
C for STD	0.299	0.326	0.379	0.387	0.396
C for XH	0.360	0.390	0.437	0.438	0.467
D for STD	0.176	0.232	0.247	0.258	0.271
D for XH	0.251	0.281	0.312	0.313	0.342
E (LP OD)	2.375	2.875	3.500	4.000	4.500

* API 8RD Threads are Identified with Red Stripe.
* API 10RD Threads are Identified with Yellow Stripe.
* Surface finish standard electro-zinc plated for anti-corrosion.

API CASING SWAGE NIPPLE

ASME 5B, API 5CT, API 5L, K55 & N80

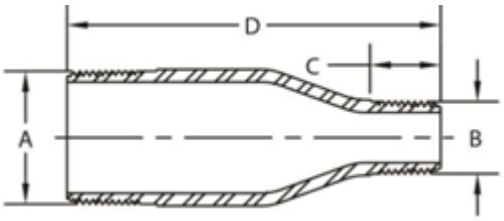




Pipe Size	A (IN)	B (IN)	C (IN)	D (IN)	Wt. Ea (lbs)
4-1/2 OD 8RD 11.6 lb/ft X 2 NUE 10RD XH	4.500	2.375	2.125	9.00	12.00
4-1/2 OD 8RD 10.5 lb/ft X 2-1/2 EUE 8RD STD		3.094	2.625	11.00	8.00
4-1/2 OD 8RD 11.6 lb/ft X 2-1/2 EUE 8RD XH					12.00
4-1/2 OD 8RD 11.6 lb/ft X 3 NUE 10RD XH		3.500	2.750	9.00	7.50
5-1/2 OD 8RD 14.0 lb/ft X 2 LP 11.5V STD	5.500	2.375	1.625	11.00	12.50
5-1/2 OD 8RD 20.0 lb/ft X 2 LP 11.5V XH					17.00
5-1/2 OD 8RD 14.0 lb/ft X 2-1/2 EUE 8RD STD		3.094	2.625		12.50
5-1/2 OD 8RD 14.0 lb/ft X 3 LP 8V STD		3.500	2.000		12.50
7 OD 8RD 23.0 lb/ft X 2 LP 11.5V STD	7.000	2.375	1.562	12.00	16.10
7 OD 8RD 38.0 lb/ft X 2 LP 11.5V XH					25.00
7 OD 8RD 23.0 lb/ft X 4-1/2 OD 8RD STD		4.500	3.000		17.00
8-5/8 OD 8RD 32.0 lb/ft X 2 LP 11.5V STD	8.625	2.375	1.562	13.00	-
8-5/8 OD 8RD 32.0 lb/ft X 4-1/2 OD 8RD STD		4.500	3.125		-
8-5/8 OD 8RD 24.0 lb/ft X 7 OD 8RD STD		7.000	3.625		-

API TUBING SWAGE NIPPLE

ASME 5B, API 5CT, API 5L, J55, K55, L80, N80, P110



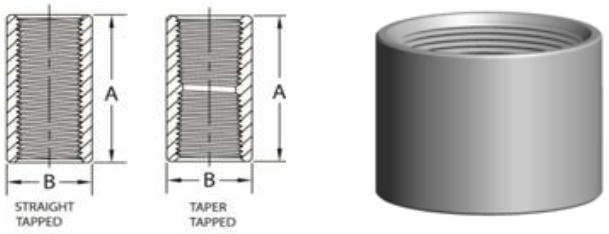


Pipe Size	A	B	C	D	Approx. Wt (lbs)		
					STD	XH	XXH
1-1/2" NUE 10RD X 1" LP 11.5V	1.900	1.315	0.985	4.50	-	2.50	-
2" NUE 10RD X 1-1/2" NUE 10RD	2.375	1.900	1.375	6.50	2.00	3.00	-
2" LP 11.5V X 1-1/2" NUE 10RD					2.00	2.33	-
2" EUE 8RD X 1" LP 11.5V	2.594	1.315	0.985	8.00	2.50	4.00	-
2" EUE 8RD X 1-1/4" EUE 10RD		1.812	1.375		2.50	-	-
2" EUE 8RD X 1-1/2" EUE 10RD		2.094	1.438		2.50	4.00	-
2" EUE 8RD X 2" NUE 10RD		2.375	1.625	6.00	3.50	-	-
2" EUE 8RD X 2" NUE 10RD				8.00	4.00	-	-
2" EUE 8RD X 2" NUE 10RD				12.00	7.00	-	-
2-1/2" NUE 10RD X 2" LP 11.5V	2.875	2.375	1.058	8.00	3.00	6.00	-
2-1/2" LP 8V X 2" EUE 8RD		2.594	1.938	7.00	4.00	6.00	-
2-1/2" EUE 8RD X 2" LP 11.5V	3.094	2.375	1.058	8.00	5.00	6.00	-
2-1/2" EUE 8RD X 2" NUE 10RD			1.625		5.00	-	-
2-1/2" EUE 8RD X 2" EUE 8RD		2.594	1.938		5.00	6.00	10.00
2-1/2" EUE 8RD X 2" EUE 8RD				12.00	7.50	-	-
2-1/2" EUE 8RD X 2-1/2" NUE 10RD		2.875	2.063	6.00	3.50	-	-
3" NUE 10RD X 2" LP 11.5V	3.500	2.375	1.058	8.00	4.50	6.00	-
3" LP 8V X 2" EUE 8RD		2.594	1.938		6.00	7.50	-
3" LP 8V X 2-1/2" EUE 8RD		3.094	2.125		6.00	9.00	-
3" LP 8V X 2-1/2" EUE 8RD					10.80	13.85	-
3" EUE 8RD X 2" LP 11.5V				8.00	7.50	7.50	-

STANDARD MERCHANT COUPLINGS

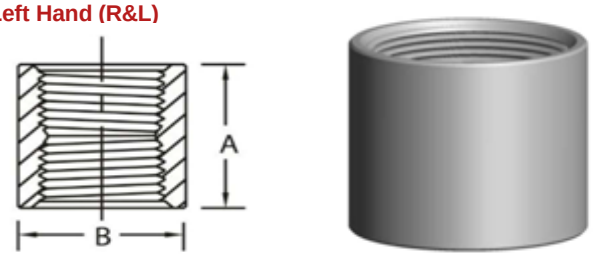
ASTM A53 TYPE F (1/8"-3"), ASTM A106 Gr. B (3-1/2"-6")

Couplings, Standard Merchant Full (ASTM A865, ASME B1.20.1)



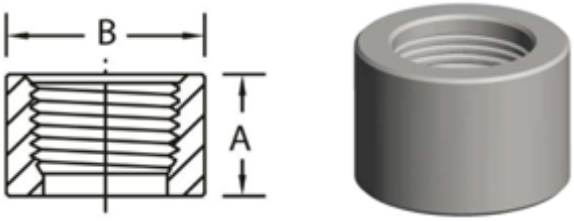
Pipe Size	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	3-1/2	4	5	6
A (Length)	0.812	1.188	1.188	1.562	1.625	2.000	2.062	2.062	2.125	3.125	3.250	3.375	3.500	3.750	4.000
B (OD)	0.562	0.719	0.875	1.062	1.312	1.576	1.900	2.200	2.750	3.250	4.000	4.625	5.000	6.296	7.390
Wt. Ea (lbs)	0.05	0.07	0.09	0.17	0.26	0.40	0.48	0.67	1.05	2.09	3.35	4.82	4.61	8.52	11.27

Standard Merchant Couplings, Right & Left Hand (R&L)



Pipe Size	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	3-1/2	4
A (Length)	0.812	1.188	1.188	1.562	1.625	2.000	2.062	2.062	2.125	3.125	3.250	3.375	3.500
B (OD)	0.562	0.719	0.875	1.062	1.312	1.576	1.900	2.200	2.750	3.250	4.000	4.625	5.000
Wt. Ea (lbs)	0.05	0.07	0.09	0.17	0.26	0.40	0.48	0.67	1.05	2.09	3.35	4.82	4.61

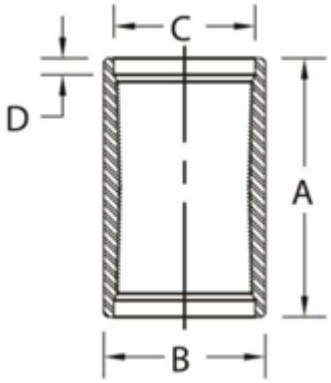
Half Couplings, Standard Merchant



Pipe Size	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	3-1/2	4	5	6
A (Length)	0.344	0.531	0.531	0.719	0.750	0.937	0.969	0.969	1.000	1.500	1.562	1.625	1.688	1.750	1.875
B (OD)	0.562	0.719	0.875	1.062	1.312	1.576	1.900	2.200	2.750	3.250	4.000	4.625	5.000	6.296	7.390
Wt. Ea (lbs)	0.02	0.04	0.05	0.08	0.12	0.18	0.23	0.32	0.47	0.96	1.60	2.22	2.11	3.80	5.28

* Standard Merchant Couplings in sizes 1/8" to 2" inclusive are furnished straight tapped unless specified taper tapped.
* Sizes 2-1/2" to 6" are furnished Taper Tapped.
* Galvanized couplings are Electro-Zinc Plated. Black couplings are phosphate coated.

API Line Pipe Couplings

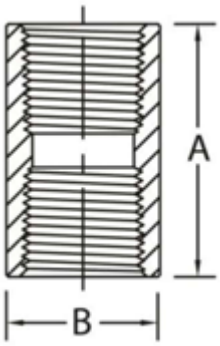




Pipe Size	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
A (Length)	1.022	1.625	1.625	2.125	2.125	2.625	2.750	2.750	2.875
B (OD)	0.572	0.719	0.875	1.063	1.312	1.576	1.900	2.200	2.750
C (Recess)	0.488	0.503	0.728	0.728	1.288	1.378	1.975	2.218	2.448
D (Chamfer)	0.086	0.136	0.156	0.156	0.123	0.325	0.324	0.348	0.339
Wt. Ea (lbs)	0.04	0.05	0.18	0.19	0.39	0.58	0.84	1.37	1.33

Pipe Size	2-1/2	3	3-1/2	4	5	6	8	10	12
A (Length)	4.125	4.125	4.375	4.500	4.625	4.875	5.125	5.375	5.625
B (OD)	3.250	4.000	4.625	5.200	6.296	7.390	9.625	11.750	14.000
C (Recess) C	2.969	3.594	4.109	4.688	5.781	6.844	8.812	10.844	12.969
D (Chamfer)	0.450	0.424	0.566	0.592	0.606	0.586	0.577	0.739	0.737
Wt. Ea (lbs)	3.27	5.08	5.59	7.58	9.39	12.55	21.15	38.33	40.77

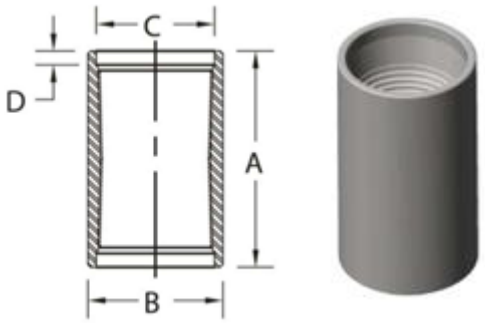
Couplings, Extra Heavy - No Recess (ASTM A106, ANSI B2.1)





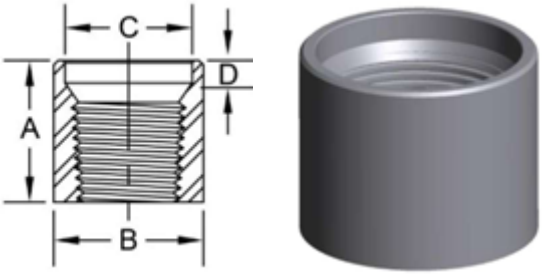
Pipe Size	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	3-1/2	4	5	6
A (Length)	1.000	1.125	1.125	1.500	1.562	2.000	2.062	2.062	2.125	3.125	3.250	3.375	3.500	3.750	4.000
B (OD)	0.562	0.719	0.875	1.062	1.312	1.576	1.900	2.200	2.750	3.250	4.000	4.625	5.000	6.296	7.390
Wt. Ea (lbs)	0.04	0.09	0.18	0.25	0.38	0.58	0.98	1.35	1.80	3.33	4.41	5.75	8.00	10.11	13.74

Couplings, Waterwell Ream & Drifted, Threaded



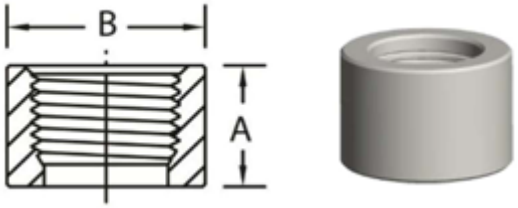
Pipe Size	1-1/4	1-1/2	2	2-1/2	3	3-1/2	4
A (Length)	2.750	2.750	3.375	3.375	4.000	4.125	4.312
B (OD)	1.718	1.989	2.468	2.989	3.590	4.000	4.590
C (Recess ID)	0.188	0.188	0.188	0.188	0.388	0.188	0.188
D (Recess Lgth)	1.900	2.200	2.750	3.250	4.000	4.623	5.300
Wt. Ea (lbs)	0.80	0.84	1.58	2.32	3.80	5.53	7.14

Half Couplings, Extra Heavy, Recess Taper Thread



Pipe Size	1/2	1-1/2	2	2-1/2	3	4	8	10	12
A (Length)	1.000	1.375	2.000	2.062	2.188	2.500	2.750	2.937	3.125
B (OD)	1.313	2.875	3.375	4.000	4.500	5.200	9.625	11.750	14.000
C (Recess)	1.113	2.469	2.969	3.594	4.594	5.719	8.719	10.844	12.884
D (Chamfer)	0.152	0.258	0.492	0.471	0.492	0.677	0.677	0.739	0.787
Wt. Ea (lbs)	0.17	0.52	1.72	2.12	3.84	11.50	14.50	17.00	21.00

Half Couplings, Extra Heavy, No Recess Taper Thread



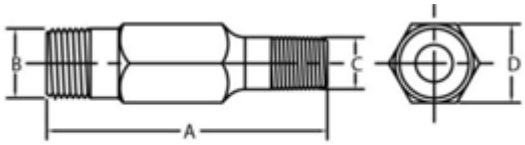
Pipe Size	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4	5	6
A (Length)	0.469	0.750	0.750	1.000	1.000	1.250	1.512	1.312	1.375	2.000	2.062	2.188	2.188	2.312
B (OD)	0.563	0.719	0.875	1.063	1.313	1.576	2.058	2.200	2.875	3.375	4.000	5.200	6.296	7.390
Wt. Ea (lbs)	0.02	0.04	0.06	0.11	0.17	0.35	0.31	0.45	0.92	1.72	2.12	3.84	4.85	6.85

SWAGE NIPPLES - THREADED BOTH ENDS

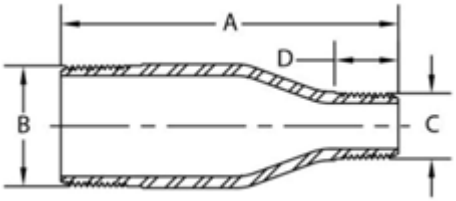
ASTM A234, MSS SP-95, ASME B1.20.1







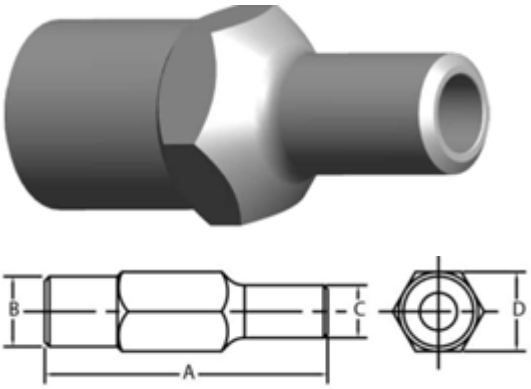
1" NPS and Smaller

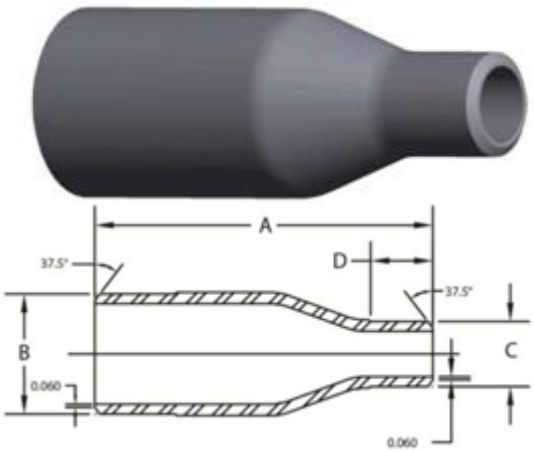


Pipe Size (Inches)	A	B	C	D	Approx. Wt. Ea (lbs)			
					STD	XH	160	XXH
1/2 x 1/8, 1/4, 3/8	2.750	0.840	0.405 - 0.675	0.875	N/A	0.50	0.50	0.50
3/4 x 1/8, 1/4, 3/8, 1/2	3.000	1.050	0.405 - 0.840	1.062	N/A	0.20	0.70	1.05
1 x 1/8, 1/4, 3/8, 1/2, 3/4	3.500	1.315	0.405 - 1.050	1.375	N/A	0.66	1.00	1.00
1-1/4 x 1/2, 3/4, 1	4.000	1.660	0.840 - 1.315	1.575	N/A	1.00	1.50	1.50
1-1/2 x 1/2, 3/4, 1, 1-1/4	4.500	1.900	0.840 - 1.660	1.375	N/A	1.17	2.00	2.00
2 x 1/2, 3/4, 1, 1-1/4, 1-1/2	6.500	2.375	0.840 - 1.900	1.437	N/A	3.00	4.25	4.25
2-1/2 x 1, 1-1/4, 1-1/2, 2	7.000	2.875	1.315 - 2.375	1.500	2.00	2.35	4.25	4.25
3 x 1, 1-1/4, 1-1/2, 2, 2-1/2	8.000	3.500	1.315 - 2.875	1.500	4.50	8.00	11.00	18.00
4 x 1, 1-1/4, 1-1/2, 2, 2-1/2, 3	9.000	4.500	1.315 - 3.500	1.500	N/A	10.00	18.00	N/A
6 x 2, 2-1/2, 3, 4, 5	11.000	6.625	2.375 - 5.563	2.000	11.00	17.00	N/A	N/A
8 x 3, 4, 5, 6	12.000	8.625	3.500 - 6.625	2.188	17.00	23.00	N/A	N/A

SWAGE NIPPLES - BOTH ENDS BEVEL

ASTM A234, MSS SP-95, ASME B1.20.1

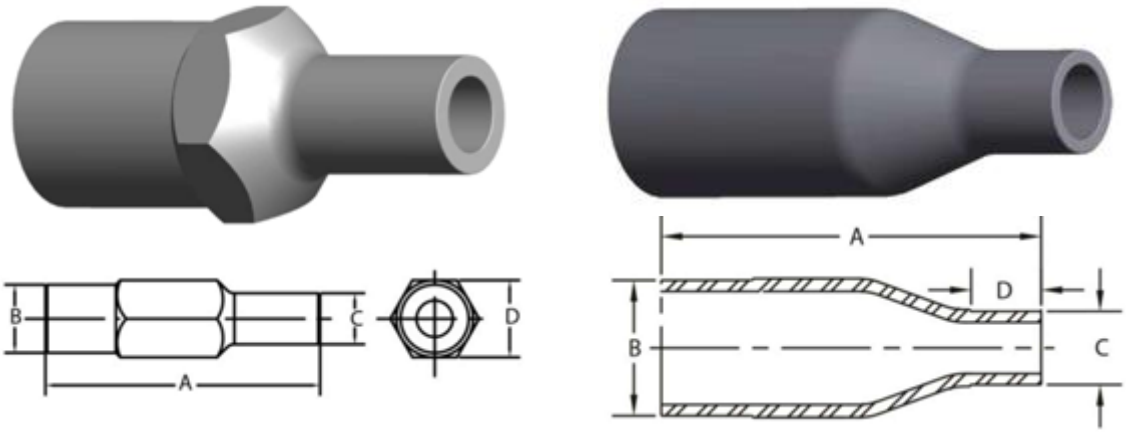




Pipe Size (Inches)	A	B	C	D	Approx. Wt. Ea (lbs)			
					STD	XH	160	XXH
1/2 x 1/8, 1/4, 3/8	2.750	0.840	0.405 - 0.675	0.875	N/A	0.33	0.30	0.50
3/4 x 1/8, 1/4, 3/8, 1/2	3.000	1.050	0.405 - 0.840	1.062	N/A	0.50	0.75	0.75
1 x 1/8, 1/4, 3/8, 1/2, 3/4	3.500	1.315	0.405 - 1.050	1.375	N/A	0.66	1.00	1.00
1-1/4 x 1/2, 3/4, 1	4.000	1.660	0.840 - 1.315	1.575	N/A	1.00	1.50	1.50
1-1/2 x 1/2, 3/4, 1, 1-1/4	4.500	1.900	0.840 - 1.660	1.375	N/A	1.16	2.00	2.00
2 x 1/8, 1/4, 1/2, 3/4, 1, 1-1/4, 1-1/2	6.500	2.375	0.405 - 1.900	1.437	2.00	2.34	4.25	4.25
2-1/2 x 1-1/2, 2	7.000	2.875	1.900 - 2.375	1.500	3.00	3.50	8.00	8.00
3 x 1, 1-1/2, 2, 2-1/2	8.000	3.500	1.315 - 2.875	1.500	4.50	6.00	11.00	11.00
4 x 1, 2, 2-1/2, 3	9.000	4.500	1.315 - 3.500	1.500	7.50	10.00	18.00	18.00
6 x 2, 3, 4, 5	11.000	6.625	2.375 - 5.563	2.000	11.50	17.00	N/A	N/A
8 x 3, 4, 5, 6	12.000	8.625	3.500 - 6.625	2.188	17.00	25.00	N/A	N/A

SWAGE NIPPLES - PLAIN BOTH ENDS

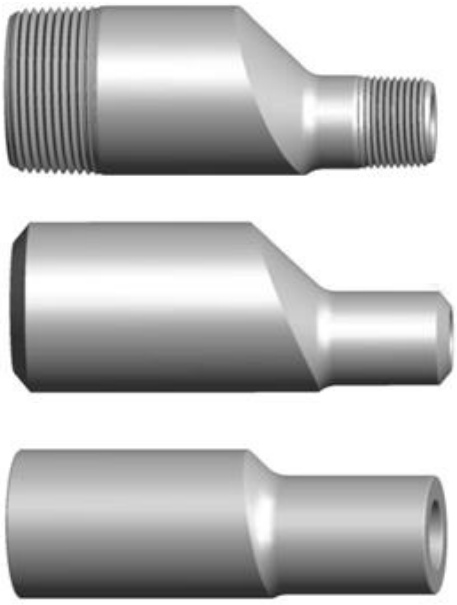
ASTM A234, MSS SP-95

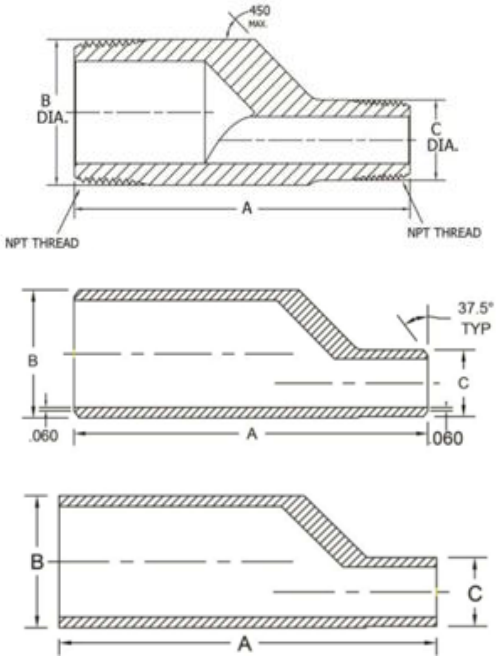


Pipe Size (Inches)	A	B	C	D	Approx. Wt. Ea (lbs)			
					STD	XH	160	XXH
1/2 x 1/8, 1/4, 3/8	2.750	0.840	0.405 - 0.675	0.875	N/A	0.35	0.50	0.50
3/4 x 1/8, 1/4, 3/8, 1/2	3.000	1.050	0.405 - 0.840	1.057	N/A	0.95	0.75	0.75
1 x 1/8, 1/4, 3/8, 1/2, 3/4	3.500	1.315	0.405 - 1.050	1.375	N/A	0.60	1.00	1.00
1-1/4 x 1/2, 3/4, 1	4.000	1.660	0.840 - 1.315	1.375	N/A	1.00	1.00	1.50
1-1/2 x 1/2, 3/4, 1, 1-1/4	4.500	1.900	0.840 - 1.660	1.566	N/A	1.66	2.00	2.00
2 x 1/4, 1/2, 3/4, 1, 1-1/4, 1-1/2	6.500	2.375	0.540 - 1.900	1.260	2.00	2.34	4.25	4.25
2-1/2 x 1-1/2, 2	7.000	2.875	1.900 - 2.375	1.360	3.00	3.50	5.00	3.00
3 x 1, 1-1/2, 2, 2-1/2	8.000	3.500	1.315 - 2.875	1.572	4.50	8.50	11.00	11.00
4 x 1, 2, 2-1/2, 3	9.200	4.500	1.315 - 3.500	1.575	7.50	10.05	16.00	16.00
6 x 2, 3, 4, 5	10.100	6.625	2.375 - 5.563	2.055	17.00	15.00	N/A	N/A
8 x 3, 4, 5, 6	11.700	8.625	3.500 - 6.625	2.700	11.00	17.10	N/A	N/A

ECCENTRIC SWAGE NIPPLES

TBE, BBE, PBE | ASTM A234, MSS SP-95





Eccentric Swage Nipples Specification:
Eccentric Swage Nipples are utilized in piping systems to connect pipes of different sizes where a flat-on-bottom or flat-on-top alignment is required to prevent air pocketing or facilitate drainage. Available end configurations include:

- **ETBE:** Eccentric Threaded Both Ends
- **EBBE:** Eccentric Beveled Both Ends
- **EPBE:** Eccentric Plain Both Ends

Size Range	Schedules / Wall Thickness	Material Grades	Standards
1/2" x 1/4" to 8" x 6"	STD, XH, SCH 160, XXH	ASTM A106 Gr B, ASTM A234 WPB, WPL6, A312 304/304L, 316/316L	MSS SP-95, ASME B16.11, ASME B1.20.1

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