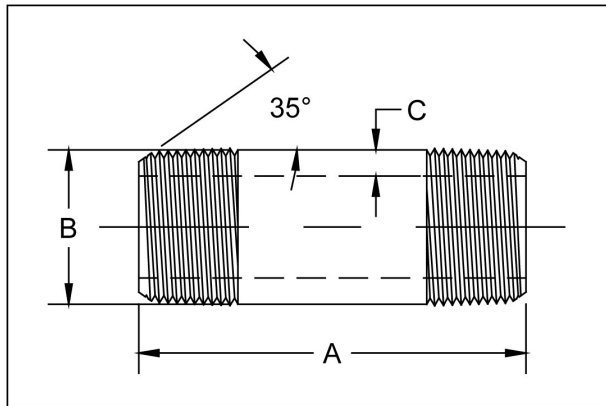


Pipe Fittings

Pipe Nipples, Welded and Seamless, Carbon Steel Black and Galvanized



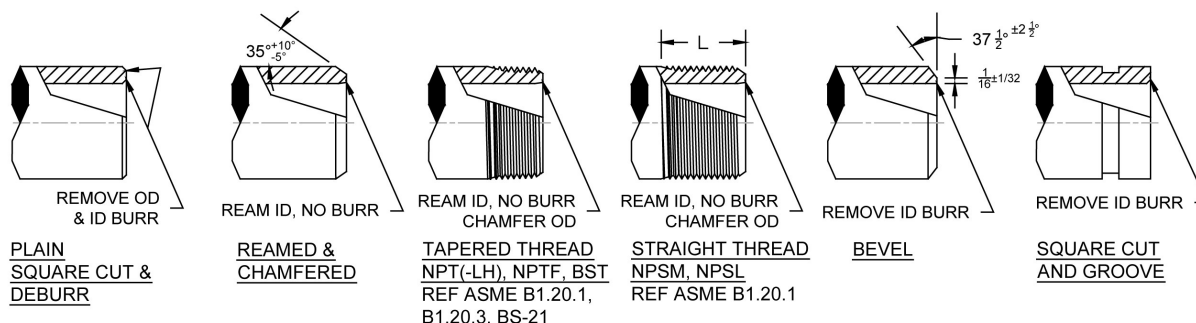
	B	A Length		C Nominal Wall			
Pipe Size	Pipe O.D.	Close	Space	STD.	XH	160	XXH
1/8	.405	3/4	1 1/2 - 24	.068	.095	N/A	N/A
1/4	.540	7/8	1 1/2 - 24	.088	.119	N/A	N/A
3/8	.675	1	1 1/2 - 24	.091	.126	N/A	N/A
1/2	.840	1 1/8	1 1/2 - 24	.109	.147	.188	.294
3/4	1.050	1 3/8	1 1/2 - 24	.113	.154	.219	.308
1	1.315	1 1/2	2 - 24	.133	.179	.250	.358
1-1/4	1.660	1 5/8	2 - 24	.140	.191	.250	.382
1-1/2	1.900	1 3/4	2 - 24	.145	.200	.281	.400
2	2.375	2	2 1/2 - 24	.154	.218	.344	.436
2-1/2	2.875	2 1/2	3 - 24	.203	.276	.375	.552
3	3.500	2 5/8	3 - 24	.216	.300	.438	.600
3-1/2	4.000	2 3/4	4 - 24	.226	.318	N/A	N/A
4	4.500	2 7/8	4 - 24	.237	.337	.531	.674
5	5.563	3	4 1/2 - 24	.258	.375	.625	.750
6	6.625	3 1/8	4 1/2 - 24	.280	.432	.719	.864
8	8.625	3 1/2	5 - 24	.322	.500	.906	.875

Conforms to: ASTM A53 Type F—(Continuous Welded).
 ASTM A53 Type E, Grade B—(Electric Resistance Welded).
 ASTM A106 Grade B, ASTM A53 Type S, Grade B, API 5L, Grade B—Seamless, High Temperature.
 ASTM A333 Grade 6 (Available only in XH, 160 and XXH)—Seamless, Low Temperature.

Finish: Standard Black or Galvanized

Pipe Fittings

Pipe Nipple End Finishes



PIPE NIPPLE DESCRIPTION AND TERMINOLOGY

EXAMPLE: $\frac{3}{4}$ X 12 SCH40 SMLS 304 NIPPLE T X B NPSM x 2"

<u>PIPE SIZE</u>	T - THREAD, (DEFAULT NPT)
<u>OVERALL LENGTH</u>	OPTIONAL NPSM, NPSSL, BSPT, NPTF, NPT-LH. (NPSM & NPSSL REQUIRE "L" DIM)
<u>PIPE SCHEDULE</u>	B - BEVEL, (DEFAULT 37-1/2°)
SCH 40(STD)	OPTIONAL CUSTOMER SPECIFIED ANGLE
SCH80 (XH)	G - SQUARE CUT & GROOVE, (STD or ES CUT)
SCH160	P - PLAIN
XXH	RC - REAM & CHAMFERED
<u>TYPE</u>	ADDITIONAL REQUIREMENTS FOR OPTIONAL ENDS
WELD	
SMLS	
ERW-GRB	
<u>MATERIAL</u>	
BLK	
GAL	
304(L)	
316(L)	
A333	

NOTES: 1) END FINISH ABBREVIATION ORDER: T, B, G, P, RC.

- 1) END FINISH ABBREVIATION ORDER; T, B, G, P, RC.
- 2) TBE, BBE, GBE, AND PBE MAY BE SUBSTITUTED FOR NIPPLES WITH SAME END FINISHES 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) NIPPLES CLOSE THOUGH 12" LONG SHALL HAVE A LENGTH TOLERANCE OF $\pm \frac{1}{16}$ ". NIPPLES OVER 12" LONG SHALL HAVE A TOLERANCE OF $\pm \frac{1}{8}$ ".

TBE - "THREAD BOTH ENDS" (BOTH ENDS THREADED WITH STANDARD NPT THREADS)

TOE - "THREAD ONE END" (ONE END THREADED WITH STANDARD
NPT THREAD. CUSTOMER MUST SPECIFY OTHER END,
OTHERWISE SQUARE CUT & DEBURR WILL BE SHIPPED)

NPTF - "DRYSEAL" (STANDARD TAPER DRYSEAL PIPE THREADS)

NPSL - "STRAIGHT LOCKNUT" (STANDARD STRAIGHT PIPE
THREADS FOR LOOSE-FITTING MECHANICAL WITH LOCKNUTS)

NPSM - "STRAIGHT MECHANICAL" (STANDARD STRAIGHT PIPE THREADS FOR FREE-FITTING MECHANICAL JOINTS FOR FIXTURES)

BST (BS21, ISO 7/1) - BRITISH STANDARD TAPER PIPE THREADS