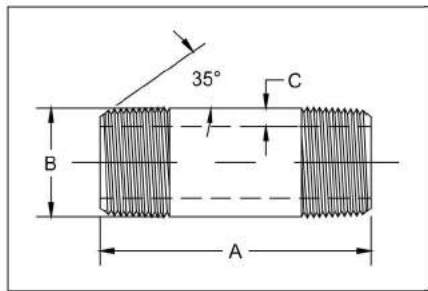


# Pipe Nipples

ASME B1.20.1



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

PIPE SIZE	PIPE OD B	LENGTH A		NOMINAL WALL C			
		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

Continuous Welded - ASTM A53 Type F

Electric Resistance Welded - ASTM A53 Type E, Grade B

Seamless, High Temperature - ASTM A106 Grade B, ASTM A53 Type S, Grade B, API 5L, Grade B

Seamless, Low Temperature - ASTM A333 Grade 6

Electric Resistance Welded - ASTM A312, Type 304/304L or 316/316L

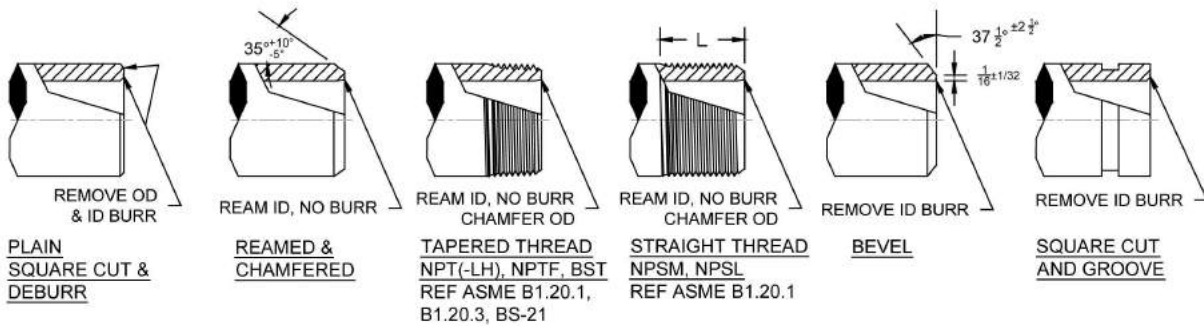
Seamless, ASTM A312 Type 304/304L or 316/316L

Threads conform to ASME B.1.20.1

# Pipe Nipples

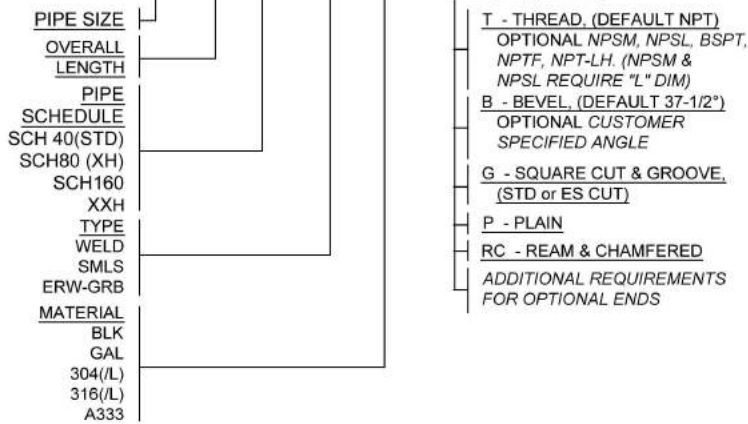
ASME B1.20.1

## Pipe Nipple End Finishes



### PIPE NIPPLE DESCRIPTION AND TERMINOLOGY

EXAMPLE: 3/4 X 12 SCH40 SMLS 304 NIPPLE T X B NPSM x 2"



- NOTES:
- 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 TOUGH 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