

ASTW A733 STANDARD STEEL PIPE NIPPLES

Type-Carbon steel/Stainlesssteel/Brass;Std.Sch80,XXHSch160,



Standard
Black Schedule 40

Extra Heavy
Black Schedule 80

Standard
Galv. Schedule 40

Extra Heavy
Galv. Schedule 80

Material

ASTM A53 Standard Specification for Pipe Steel, Black, Galvanized, Hot-Dipped, Zinc Coated, Welded.

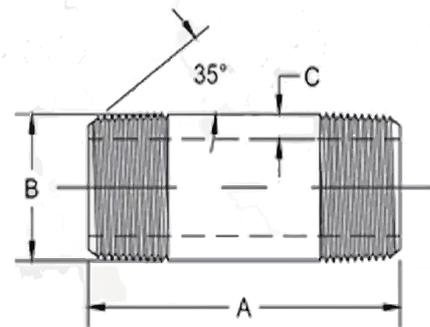
Applicable specification

ASTM A733

(Refer to the chart below for specific pipe dimensions.)

Note: Minimum wall thickness at any point to be not more than +/- 10% nominal wall thickness specified for that size pipe.

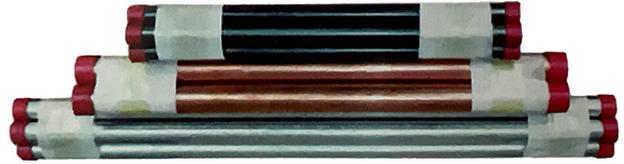
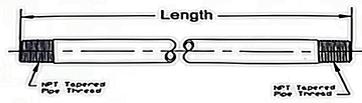
Standard and Extra Heavy right and left nipples available in 1/8 – 4" diameter and 4" and 6" lengths.



Pipe Size	B		A, Length															C, Nominal Wall		
	Pipe O.D.	Close	Space															STD.	XH	
1/8"	.405	3/4	1 1/2	2	2 1/2	3	3 1/2	4	4 1/4	5	5 1/2	6	7	8	9	10	11	12	.068	.095
1/4"	.540	7/8	1 1/2	2	2 1/2	3	3 1/2	4	4 1/4	5	5 1/2	6	7	8	9	10	11	12	.068	.068
3/8"	.675	1	1 1/2	2	2 1/2	3	3 1/2	4	4 1/4	5	5 1/2	6	7	8	9	10	11	12	.068	.068
1/2"	.840	1 1/8	1 1/2	2	2 1/2	3	3 1/2	4	4 1/4	5	5 1/2	6	7	8	9	10	11	12	.068	.068
3/4"	1.050	1 3/8	1 1/2	2	2 1/2	3	3 1/2	4	4 1/4	5	5 1/2	6	7	8	9	10	11	12	.068	.068
1"	1.315	1 1/2		2	2 1/2	3	3 1/2	4	4 1/4	5	5 1/2	6	7	8	9	10	11	12	.068	.068
1 1/4"	1.660	1 5/8		2	2 1/2	3	3 1/2	4	4 1/4	5	5 1/2	6	7	8	9	10	11	12	.068	.068
1 1/2"	1.900	1 3/4		2	2 1/2	3	3 1/2	4	4 1/4	5	5 1/2	6	7	8	9	10	11	12	.068	.068
2"	2.375	2			2 1/2	3	3 1/2	4	4 1/4	5	5 1/2	6	7	8	9	10	11	12	.068	.068
2 1/2"	3.500	2 1/2				3	3 1/2	4	4 1/4	5	5 1/2	6	7	8	9	10	11	12	.068	.068
3"	4.500	2 5/8				3	3 1/2	4	4 1/4	5	5 1/2	6	7	8	9	10	11	12	.068	.068
4"	5.563	2 7/8						4	4 1/4	5	5 1/2	6	7	8	9	10	11	12	.068	.068
5"	6.625	3 1/8							4 1/4	5	5 1/2	6	7	8	9	10	11	12	.068	.068
6"	8.625	3 1/2							4 1/4	5	5 1/2	6	7	8	9	10	11	12	.068	.068

READY CUT PIPE

Threaded Both Ends

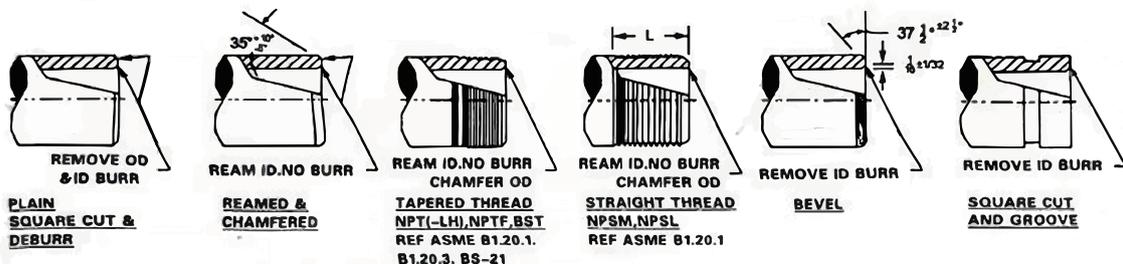


Pipe Size	Length									
	18"	24"	30"	36"	42"	48"	54"	60"	66"	72"
1/8"	18"	24"	30"	36"	42"	48"	54"	60"	66"	72"
1/4"	18"	24"	30"	36"	42"	48"	54"	60"	66"	72"
3/8"	18"	24"	30"	36"	42"	48"	54"	60"	66"	72"
1/2"	18"	24"	30"	36"	42"	48"	54"	60"	66"	72"
3/4"	18"	24"	30"	36"	42"	48"	54"	60"	66"	72"
1"	18"	24"	30"	36"	42"	48"	54"	60"	66"	72"
1 1/4"	18"	24"	30"	36"	42"	48"	54"	60"	66"	72"
1 1/2"	18"	24"	30"	36"	42"	48"	54"	60"	66"	72"
2"	18"	24"	30"	36"	42"	48"	54"	60"	66"	72"

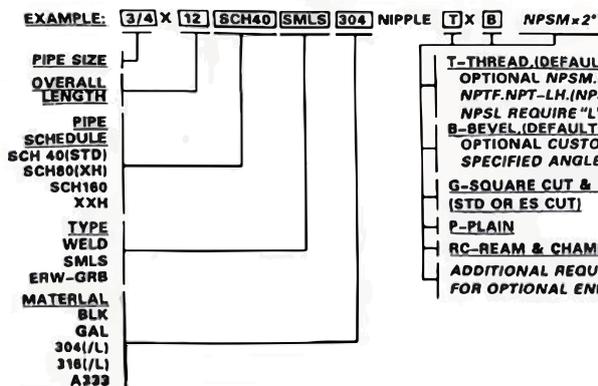
Ready Cut Pipe

Material: ASTM A53/ASTM A 106 Standard Specification for pipe steel Welded and Seamless
Black and Hot-Dipped,
Threads: ANSI/ASME B1.20.1

Pipe Nipple End Finishes



PIPE NIPPLE DESCRIPTION AND TERMINOLOGY



- 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. ADD PLAIN. OPTIONAL VARIATIONS TO BE CALLED OUT IN TEXE INCLUDING ADDITIONAL REQUIREMENTS.
 - 4) STD CUT GROOVE IS STANDARD. ES CUT GROOVE END FINISH AVAILABLE UPON REQUESE
 - 5) NIPPLES CLOSE THOUGH 12" LONG SHALL HAVE A LENGTH TOLERANCE OF ± 1/8". NIPPLES OVER 12" LONG SHALL HAVE A TOLERANCE OF ± 1/4".

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)-BRITTTSH STANDARD TAPER PIPE HTREADS

Seamless Pipe Nipples

Black & Galvanized, Std. Sch. 40, XH Sch. 80, Sch. 160, XXH



Material

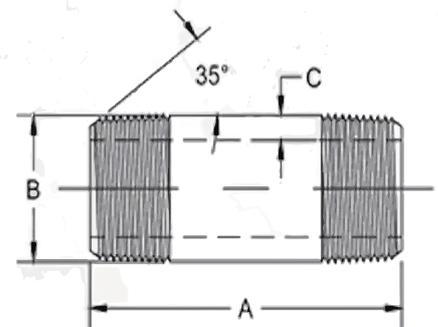
ASTM A106 Grade B Seamless Pipe

Applicable Specification

ASTM A733

(Refer to the chart below for specific pipe dimensions.)

Note: Minimum wall thickness at any point to be not more than 10% over and 3 1/2% under nominal wall thickness specified for that size pipe.



Pipe Size	B		A, Length															C, Nominal Wall		
	Pipe O.D.	Close	Space															STD.	XH	
1/8"	.405	3/4	1 1/2	2	2 1/2	3	3 1/2	4	4 1/4	5	5 1/2	6	7	8	9	10	11	12	.068	.095
1/4"	.540	7/8	1 1/2	2	2 1/2	3	3 1/2	4	4 1/4	5	5 1/2	6	7	8	9	10	11	12	.068	.068
3/8"	.675	1	1 1/2	2	2 1/2	3	3 1/2	4	4 1/4	5	5 1/2	6	7	8	9	10	11	12	.068	.068
1/2"	.840	1 1/8	1 1/2	2	2 1/2	3	3 1/2	4	4 1/4	5	5 1/2	6	7	8	9	10	11	12	.068	.068
3/4"	1.050	1 3/8	1 1/2	2	2 1/2	3	3 1/2	4	4 1/4	5	5 1/2	6	7	8	9	10	11	12	.068	.068
1"	1.315	1 1/2		2	2 1/2	3	3 1/2	4	4 1/4	5	5 1/2	6	7	8	9	10	11	12	.068	.068
1 1/4"	1.660	1 5/8		2	2 1/2	3	3 1/2	4	4 1/4	5	5 1/2	6	7	8	9	10	11	12	.068	.068
1 1/2"	1.900	1 3/4		2	2 1/2	3	3 1/2	4	4 1/4	5	5 1/2	6	7	8	9	10	11	12	.068	.068
2"	2.375	2			2 1/2	3	3 1/2	4	4 1/4	5	5 1/2	6	7	8	9	10	11	12	.068	.068
2 1/2"	3.500	2 1/2				3	3 1/2	4	4 1/4	5	5 1/2	6	7	8	9	10	11	12	.068	.068
3"	4.500	2 5/8				3	3 1/2	4	4 1/4	5	5 1/2	6	7	8	9	10	11	12	.068	.068
4"	5.563	2 7/8						4	4 1/4	5	5 1/2	6	7	8	9	10	11	12	.068	.068
5"	6.625	3 1/8							4 1/4	5	5 1/2	6	7	8	9	10	11	12	.068	.068
6"	8.625	3 1/2							4 1/4	5	5 1/2	6	7	8	9	10	11	12	.068	.068

STAINLESS STEEL PIPE NIPPLES

Stainless Steel Pipe Nipples (Diameter 1/8"-6"),SCH#40&SCH#80

American Standard: ASTM A733

Pipe: ASTM A312

Threads: ANSI/ASME B1.20.1



Material for SCH#40: 304, 316, 304L & 316L

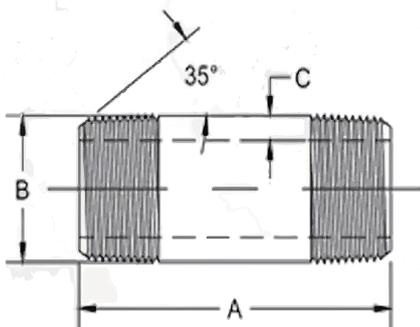
Material for SCH#80: 304 & 316

Thread x Thread & Thread One End available

Pipe Size	B		A, Length															C, Nominal Wall		
	Pipe O.D.	Close	Space															STD.	XH	
1/8"	.405	3/4	1 1/2	2	2 1/2	3	3 1/2	4	4 1/4	5	5 1/2	6	7	8	9	10	11	12	.068	.095
1/4"	.540	7/8	1 1/2	2	2 1/2	3	3 1/2	4	4 1/4	5	5 1/2	6	7	8	9	10	11	12	.068	.068
3/8"	.675	1	1 1/2	2	2 1/2	3	3 1/2	4	4 1/4	5	5 1/2	6	7	8	9	10	11	12	.068	.068
1/2"	.840	1 1/8	1 1/2	2	2 1/2	3	3 1/2	4	4 1/4	5	5 1/2	6	7	8	9	10	11	12	.068	.068
3/4"	1.050	1 3/8	1 1/2	2	2 1/2	3	3 1/2	4	4 1/4	5	5 1/2	6	7	8	9	10	11	12	.068	.068
1"	1.315	1 1/2		2	2 1/2	3	3 1/2	4	4 1/4	5	5 1/2	6	7	8	9	10	11	12	.068	.068
1 1/4"	1.660	1 5/8		2	2 1/2	3	3 1/2	4	4 1/4	5	5 1/2	6	7	8	9	10	11	12	.068	.068
1 1/2"	1.900	1 3/4		2	2 1/2	3	3 1/2	4	4 1/4	5	5 1/2	6	7	8	9	10	11	12	.068	.068
2"	2.375	2			2 1/2	3	3 1/2	4	4 1/4	5	5 1/2	6	7	8	9	10	11	12	.068	.068
2 1/2"	3.500	2 1/2				3	3 1/2	4	4 1/4	5	5 1/2	6	7	8	9	10	11	12	.068	.068
3"	4.500	2 5/8				3	3 1/2	4	4 1/4	5	5 1/2	6	7	8	9	10	11	12	.068	.068
4"	5.563	2 7/8						4	4 1/4	5	5 1/2	6	7	8	9	10	11	12	.068	.068
5"	6.625	3 1/8							4 1/4	5	5 1/2	6	7	8	9	10	11	12	.068	.068
6"	8.625	3 1/2							4 1/4	5	5 1/2	6	7	8	9	10	11	12	.068	.068

Seamless Sch 40 Red Brass Specifications

- Branded
- Seamless brass pipe conforms to ASTM B43
- Seamless brass nipples conform to ASTM B687
- NPT threads on nipples conform to ASME B1.20.1
- Certified to CA AB1953 Lead Free



Chromed is available

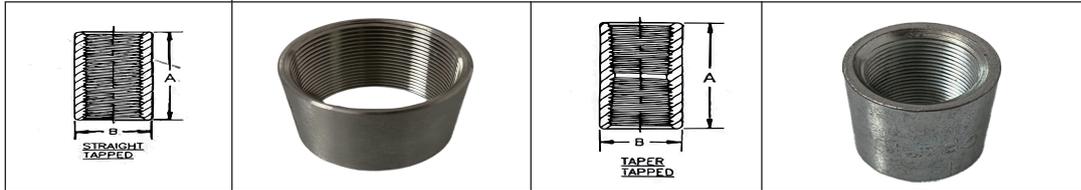


Pipe Size	B		A, Length															C, Nominal Wall		
	Pipe O.D.	Close	Space															STD.	XH	
1/8"	.405	3/4	1 1/2	2	2 1/2	3	3 1/2	4	4 1/4	5	5 1/2	6	7	8	9	10	11	12	.068	.095
1/4"	.540	7/8	1 1/2	2	2 1/2	3	3 1/2	4	4 1/4	5	5 1/2	6	7	8	9	10	11	12	.068	.068
3/8"	.675	1	1 1/2	2	2 1/2	3	3 1/2	4	4 1/4	5	5 1/2	6	7	8	9	10	11	12	.068	.068
1/2"	.840	1 1/8	1 1/2	2	2 1/2	3	3 1/2	4	4 1/4	5	5 1/2	6	7	8	9	10	11	12	.068	.068
3/4"	1.050	1 3/8	1 1/2	2	2 1/2	3	3 1/2	4	4 1/4	5	5 1/2	6	7	8	9	10	11	12	.068	.068
1"	1.315	1 1/2		2	2 1/2	3	3 1/2	4	4 1/4	5	5 1/2	6	7	8	9	10	11	12	.068	.068
1 1/4"	1.660	1 5/8		2	2 1/2	3	3 1/2	4	4 1/4	5	5 1/2	6	7	8	9	10	11	12	.068	.068
1 1/2"	1.900	1 3/4		2	2 1/2	3	3 1/2	4	4 1/4	5	5 1/2	6	7	8	9	10	11	12	.068	.068
2"	2.375	2			2 1/2	3	3 1/2	4	4 1/4	5	5 1/2	6	7	8	9	10	11	12	.068	.068
2 1/2"	3.500	2 1/2				3	3 1/2	4	4 1/4	5	5 1/2	6	7	8	9	10	11	12	.068	.068
3"	4.500	2 5/8				3	3 1/2	4	4 1/4	5	5 1/2	6	7	8	9	10	11	12	.068	.068
4"	5.563	2 7/8						4	4 1/4	5	5 1/2	6	7	8	9	10	11	12	.068	.068
5"	6.625	3 1/8							4 1/4	5	5 1/2	6	7	8	9	10	11	12	.068	.068
6"	8.625	3 1/2							4 1/4	5	5 1/2	6	7	8	9	10	11	12	.068	.068

STEEL STANDARD & HALF COUPLINGS

Merchant Steel Full & Half Couplings Product Specifications

Steel Standard Full Merchant Couplings



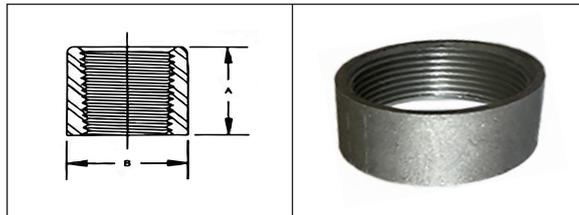
Pipe Size	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4	5	6
A	0.813	1.188	1.188	1.563	1.625	2.000	2.063	2.063	2.215	3.125	3.250	3.375	3.500	3.750	4.000
B	0.563	0.719	0.875	1.063	1.313	1.576	1.900	2.200	2.750	3.250	4.000	4.625	5.000	6.296	7.390

American Standard:ASTMA865

ANSVASME B1.20.1

Threads:Diameter: 1/8"-12"

Steel Standard Half Merchant Couplings



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	0.344	0.531	0.531	0.719	0.750	0.938	0.969	0.969	1.000	1.500	1.563	1.625	1.688	1.823	1.937
B	0.563	0.719	0.875	1.063	1.313	1.576	1.900	2.200	2.750	3.250	4.000	4.625	5.000	6.296	7.390

American Standard: ASTMA865

Threads:ANSVASME B1.20.1

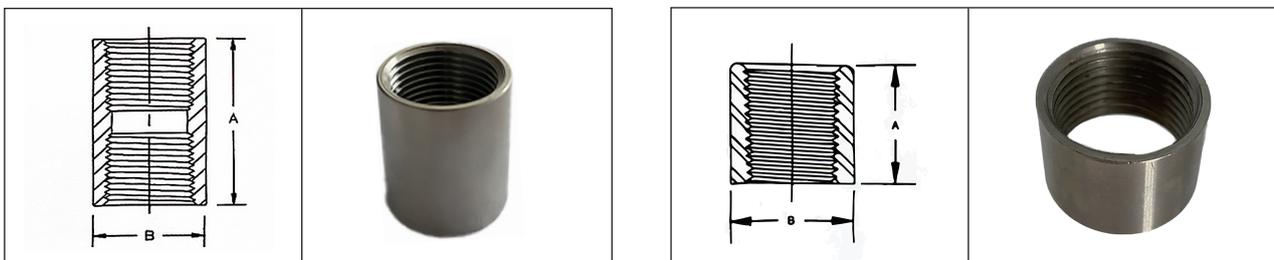
Diameter:1/8"-12"

STEEL EXTRA-HEAVY COUPLINGS

Steel Extra-Heavy&Half Couplings

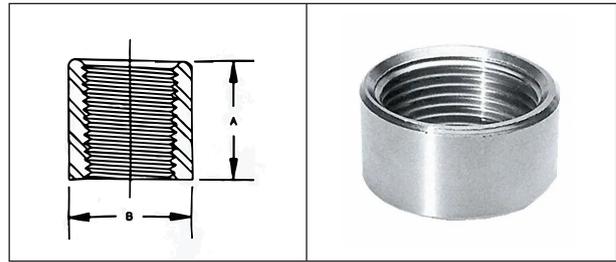
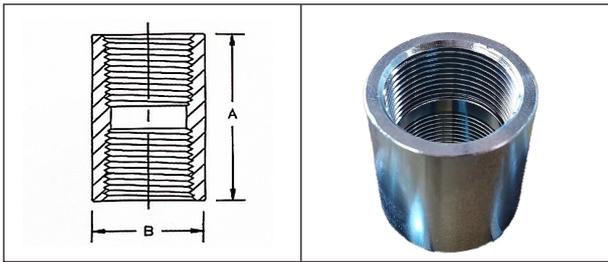
American Standard: ASTM A865Threads:ANSVASME B1.20.1

Diameter:1/8"- 12"



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	1.063	1.625	1.625	2.125	2.125	2.625	2.750	2.750	2.875	4.125	4.250	4.375	4.500	4.625	4.875
	B	0.563	0.719	0.875	1.063	1.313	1.660	2.054	2.200	2.287	3.375	4.000	4.625	5.200	6.296	7.390
Half	A	0.469	0.750	0.750	1.000	1.000	1.250	1.313	1.313	1.375	2.000	2.063	2.125	2.188	2.250	2.375
	B	0.563	0.719	0.875	1.063	1.313	1.66	2.054	2.200	2.875	3.375	4.000	4.625	5.200	6.296	7.390

FULL & HALF COUPLINGS #3000/ #6000



Full & Half Couplings #3000

American Standard: ASME B16.11

Threads: ANSVASME B1.20.1

Diameter: 1/8" - 4"

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
Full	A	1.25	1.38	1.50	1.88	2.00	2.38	2.62	3.12	3.38	3.63	4.25	4.37	4.75	4.62	4.87
	B	0.62	0.75	0.88	1.12	1.38	1.75	2.25	2.50	3.30	3.62	4.25	4.62	5.50	6.29	7.39
Half	A	0.625	0.690	0.750	0.940	1.000	1.190	1.310	1.560	1.690	1.810	2.125	2.125	2.375	2.250	2.375
	B	0.62	0.75	0.88	1.12	1.38	1.75	2.25	2.50	3.00	3.62	4.25	4.62	5.50	6.29	7.39

Full & Half Couplings #6000

American Standard: ASME B16.11

Threads: ANSI/ASME B1.20.1

Diameter: 1/4" - 4"

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
Full	A	1.00	1.00	1.25	1.50	1.88	2.00	2.38	2.62	3.12	4.25	5.00	6.25	6.25	4.62	4.87
	B	1.38	1.38	1.50	1.88	2.00	2.38	2.62	3.12	3.38	3.62	4.25	4.25	4.75	6.29	7.39
Half	A	1.000	1.000	1.250	1.500	1.750	2.250	2.500	3.000	3.620	4.250	5.000	5.000	6.250	2.250	2.375
	B	0.62	0.69	0.75	0.94	1.00	1.19	1.31	1.56	1.69	1.81	2.13	4.62	2.38	6.29	7.39

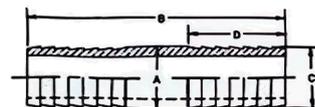
INSERT HOSE ADAPTER

Insert Hose Adapter

Insert Couplings: Steel, Stainless & Brass

Male Adapters: Steel, Stainless, Brass & Aluminum

Female Adapters: Steel, Stainless, Brass & Aluminum



Pipe Size	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
Part Number	C-10	C-20	C-30	C-40	C-50	C-60	C-70	C-80	C-90
A	0.675	0.840	1.075	1.525	2.162	2.162	2.505	3.100	4.060
B	3.00	4.03	4.03	4.03	4.00	4.60	5.25	5.75	7.38
C	0.53	0.78	1.03	1.28	1.50	2.00	2.50	3.00	4.00
D	1.47	1.83	1.83	1.83	2.00	2.28	2.63	2.88	3.73

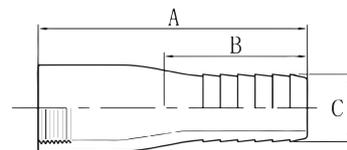
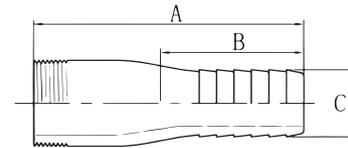
INSERT HOSE ADAPTER

Insert Hose Adapter

Insert Couplings: Steel, Stainless & Brass

Male Adapters: Steel, Stainless, Brass & Aluminum

Female Adapters: Steel, Stainless, Brass & Aluminum



Pipe Size	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
Part Number	C-10	C-20	C-30	C-40	C-50	C-60	C-70	C-80	C-90
A	3.13	3.13	3.38	3.94	4.13	4.69	5.56	6.13	7.31
B	1.63	1.59	1.59	1.88	2.19	2.44	2.88	3.25	3.88
C	0.531	0.781	1.031	1.250	1.531	2.031	2.531	3.031	4.031

CONDUIT-IMC



Size Inch	Outside Diameter		Inside Diameter		Wall Thickness		Outside Diameter	
	Inch	mm	Inch	mm	(1)mm	(2)mm	Feet	mm
1/2"	0.706	17.93	0.622	15.80	1.07	0.85	10	3050
3/4"	0.922	23.42	0.824	20.93	1.25	1.00	10	3050
1"	1.163	29.54	1.049	26.64	1.45	1.10	10	3050
1 1/4"	1.510	38.35	1.380	35.05	1.65	1.30	10	3050
1 1/2"	1.740	44.20	1.610	40.89	1.65	1.30	10	3050
2"	2.197	55.80	2.067	52.50	1.65	1.40	10	3050
2 1/2"	2.875	73.03	2.731	69.37	1.83	-	10	3050
3"	3.500	88.90	3.356	85.24	1.83	-	10	3050
3 1/2"	4.000	101.60	3.834	97.38	2.11	-	10	3050
4"	4.500	114.30	4.334	110.08	2.11	-	10	3050

CONDUIT-IMC



Size Inch	Outside Diameter		Inside Diameter		Wall Thickness		Outside Diameter	
	Inch	mm	Inch	mm	(1)mm	(2)mm	Feet	mm
1/2"	0.815	20.70	0.620	16.76	1.97	1.79	10	3050
3/4"	1.029	26.26	0.869	22.07	2.10	1.90	10	3050
1"	1.290	32.77	1.105	28.07	2.35	2.15	10	3050
1 1/4"	1.638	41.59	1.448	36.77	2.41	2.16	10	3050
1 1/2"	1.883	47.82	1.683	42.74	2.54	2.29	10	3050
2"	2.360	59.93	2.150	54.60	2.67	2.41	10	3050
2 1/2"	2.857	73.10	2.557	64.95	3.75	-	10	3050
3"	3.476	88.90	3.176	80.67	3.75	-	10	3050
3 1/2"	3.971	100.86	3.671	93.24	3.75	-	10	3050
4"	4.466	113.44	4.166	105.82	3.75	-	10	3050

CONDUIT-RMC



Size Inch	Outside Diameter		Inside Diameter		Wall Thickness		Outside Diameter	
	Inch	mm	Inch	mm	(1)mm	(2)mm	Feet	mm
1/2"	0.840	21.34	0.632	16.05	0.104	2.64	10	3050
3/4"	1.050	26.67	0.836	21.23	0.107	2.72	10	3050
1"	1.315	33.40	1.063	27.00	0.126	3.20	10	3050
1 1/4"	1.660	42.16	1.394	35.41	0.133	3.38	10	3050
1 1/2"	1.900	48.26	1.624	41.25	0.138	3.51	10	3050
2"	2.375	60.33	2.083	52.91	0.146	3.71	10	3050
2 1/2"	2.875	73.03	2.489	63.22	0.193	4.90	10	3050
3"	3.500	88.90	3.090	78.49	0.205	5.21	10	3050
3 1/2"	4.000	101.60	3.570	90.68	0.215	5.46	10	3050
4"	4.500	114.30	4.050	102.87	0.225	5.72	10	3050
5"	5.563	141.30	5.073	128.85	0.245	6.22	10	3050
6"	6.626	168.30	6.094	154.78	0.266	6.76	10	3050

CONDUIT-BS4568



Size	Outside Diameter		Inside Diameter		Length
	Min	Max	1	2	
20mm	19.7mm	20.0mm	1.6mm	1.35mm	3.75meter
25mm	24.6mm	25.0mm	1.6mm	1.35mm	3.75meter
32mm	31.6mm	32.0mm	1.6mm	1.35mm	3.75meter

CONDUIT-BS31



Size	Outside Diameter		Inside Diameter		Length
	Min	Max	1	2	
1/2"	18.8mm	19.1mm	1.6mm	1.35mm	3.75meter
3/4"	25.1mm	25.4mm	1.6mm	1.35mm	3.75meter
3/4"	31.5mm	31.8mm	1.6mm	1.35mm	3.75meter

CONDUIT FITTINGS-ELBOW



Material:Black pipe/gal.pipe Finish:Electro-gal/Pre-gal.
Available Size:1/2",3/4",1",1-1/4",1-1/2",2",2-1/2",3",3-1/2",4"

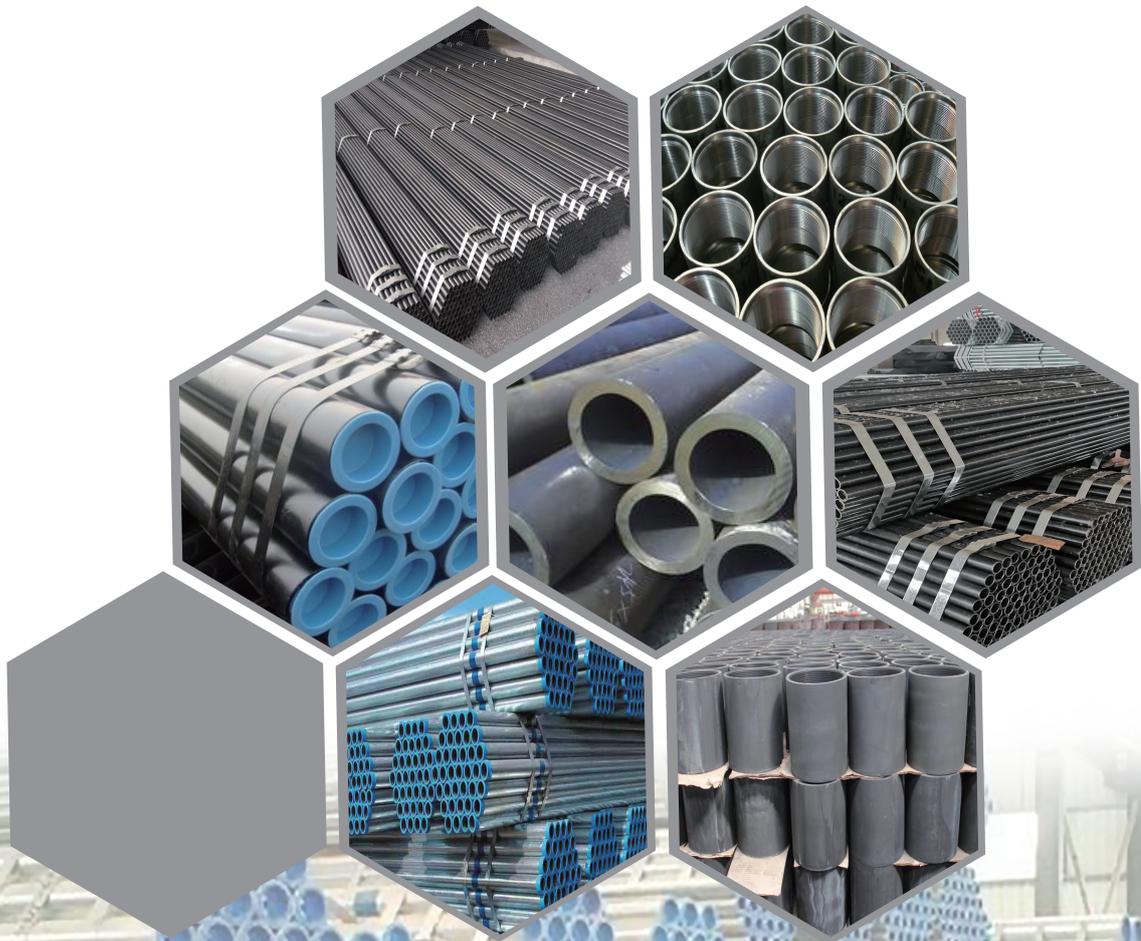


Material:Black pipe/gal.pipe Finish:Electro-gal/Pre-gal.
Available Size:1/2",3/4",1",1-1/4",1-1/2",2",2-1/2",3",3-1/2",4",5",6"



STEEL PIPE SERVICE

1, Pipe Threading,
We thread any length of pipe in diameters ranging from 1/8" thru 20".



Special Order.

We can produce the products according to customers request, samples or drawing are available.



美标、日标、得标钢管外径与壁厚 单位mm

STEEL PIPE OUTER DIAMETER AND WALL THICKNESS STANDARD (GERMANY, USA, JAPAN)

NOMINAL PIPESIZE		OUTSIDE DIAMETER			NOMINAL WALL THICKNESS															
A	B	ASME	JIS	DIN	JIS (1)	DIN (2)	SCH10	SCH20	SCH30	STD	SCH40	SCH60	XS	SCH80	SCH100	SCH120	SCH140	SCH160	XXS	
15	1/2"	21.3	21.7	21.3	2.8	2.0	2.11	-	2.41	2.77	2.77	-	3.73	3.73	-	-	-	4.78	7.47	
20	3/4"	26.7	27.2	26.9	2.8	2.3	2.11	-	2.41	2.87	2.87	-	3.91	3.91	-	-	-	5.56	7.82	
25	1"	33.4	34.0	33.7	3.2	2.6	2.77	-	2.90	3.38	3.38	-	4.55	4.55	-	-	-	6.35	9.09	
32	1 1/4"	42.2	42.7	42.4	3.5	2.6	2.77	-	2.97	3.56	3.56	-	4.85	4.85	-	-	-	6.35	9.70	
40	1 1/2"	48.3	48.6	48.3	3.5	2.6	2.77	-	3.18	3.68	3.68	-	5.08	5.08	-	-	-	7.14	10.1	
50	2"	60.3	60.5	60.3	3.8	2.9	2.77	-	3.18	3.91	3.91	-	5.54	5.54	-	-	-	8.74	11.0	
65	2 1/2"	73.0	76.3	76.1	4.2	2.9	3.05	-	4.78	5.16	5.16	-	7.01	7.01	-	-	-	9.53	14.0	
80	3"	88.9	89.1	88.9	4.2	3.2	3.05	-	4.78	5.49	5.49	-	7.62	7.62	-	-	-	11.1	15.2	
90	3 1/3"	101.6	101.6	-	4.2	-	3.05	-	4.78	5.74	5.74	-	8.08	8.08	-	-	-	-	-	
100	4"	114.3	114.3	114.3	4.5	3.6	3.05	-	4.78	6.02	6.02	-	8.56	8.56	-	11.13	-	13.49	17.12	
125	5"	141.3	139.8	139.7	4.5	4.0	3.40	-	-	6.55	6.55	-	9.53	9.53	-	12.70	-	15.88	19.05	
150	6"	168.3	165.2	168.3	5.0	4.5	3.40	4.5	-	7.11	7.11	-	10.97	10.97	-	14.27	-	18.26	21.95	
200	8"	219.1	216.3	219.1	5.8	6.3	3.76	6.35	7.04	8.18	8.18	10.31	12.70	12.70	15.09	18.26	20.62	23.01	22.23	
250	10"	273.0	267.4	273.0	6.6	6.3	4.19	6.35	7.80	9.27	9.27	12.70	12.70	15.09	18.26	21.44	25.40	28.58	25.40	
300	12"	323.8	318.5	323.9	6.9	7.1	4.57	6.35	8.38	9.53	10.31	14.27	12.70	17.48	21.44	25.40	28.58	33.32	25.40	
350	14"	355.6	355.6	355.6	7.9	8.0	6.35	7.92	9.53	9.53	11.13	15.09	12.70	19.05	23.83	27.79	31.75	35.71	-	
400	16"	406.4	406.4	406.4	7.9	8.8	6.35	7.92	9.53	9.53	12.70	16.66	12.70	21.44	26.19	30.96	36.53	40.49	-	
450	18"	457.2	457.2	457.0	7.9	10.0	6.35	7.92	11.13	9.53	14.27	19.05	12.70	23.83	29.36	34.93	39.67	45.24	-	
500	20"	508.0	508.0	508.0	7.9	11.0	6.35	9.53	12.70	9.53	15.09	20.62	12.70	26.19	32.54	38.10	44.45	50.01	-	
550	22"	558.8	558.8	-	-	-	6.35	9.53	12.70	9.53	-	22.23	12.70	28.58	34.93	41.28	47.63	53.98	-	
600	24"	609.6	609.6	610.0	-	12.5	6.35	9.53	14.27	9.53	17.48	24.61	12.70	30.96	38.89	46.02	52.37	59.54	-	
650	26"	660.4	660.4	-	-	-	7.92	12.70	-	9.53	-	-	12.70	-	-	-	-	-	-	
700	28"	711.2	711.2	711.0	-	12.5	7.92	12.70	15.88	9.53	-	-	12.70	-	-	-	-	-	-	
750	30"	762.0	762.0	-	-	-	7.92	12.70	15.88	9.53	-	-	12.70	-	-	-	-	-	-	
800	32"	812.8	812.8	813.0	-	12.5	7.92	12.70	15.88	9.53	17.48	-	12.70	-	JIS G3452 ASME B36.10M JIS G3454 DIN2448 JIS G3455 DIN2458 JIS G3457					-
850	34"	863.6	863.6	-	-	-	7.92	12.70	15.88	9.53	17.48	-	12.70	-						-
900	36"	914.4	914.4	914.0	-	12.5	7.92	12.70	15.88	9.53	19.05	-	12.70	-						-
950	38"	965.2	965.2	-	-	-	-	-	-	9.53	-	-	12.70	-						-
1000	40"	1016.0	1016.0	1016.0	-	12.5	-	-	-	9.53	-	-	12.70	-						-
1050	42"	1066.8	1066.8	-	-	-	-	-	-	9.53	-	-	12.70	-	-	-	-	-	-	
1100	44"	1117.6	1117.6	-	-	-	-	-	-	9.53	-	-	12.70	-	-	-	-	-	-	
1150	46"	1168.4	1168.4	-	-	-	-	-	-	9.53	-	-	12.70	-	-	-	-	-	-	
1200	48"	1219.2	1219.2	1220.0	-	-	-	-	-	9.53	-	-	12.70	-	-	-	-	-	-	

NOTE:(1)THE WALL THICKNESS SPECIFIED IS GRADE IS GRADE FSGP OF JIS B2311:1997
(2)THE WALL THICKNESS SPECIFIED IS FOR SERIES 3 OF DIN 2605(PART 1):02.91



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