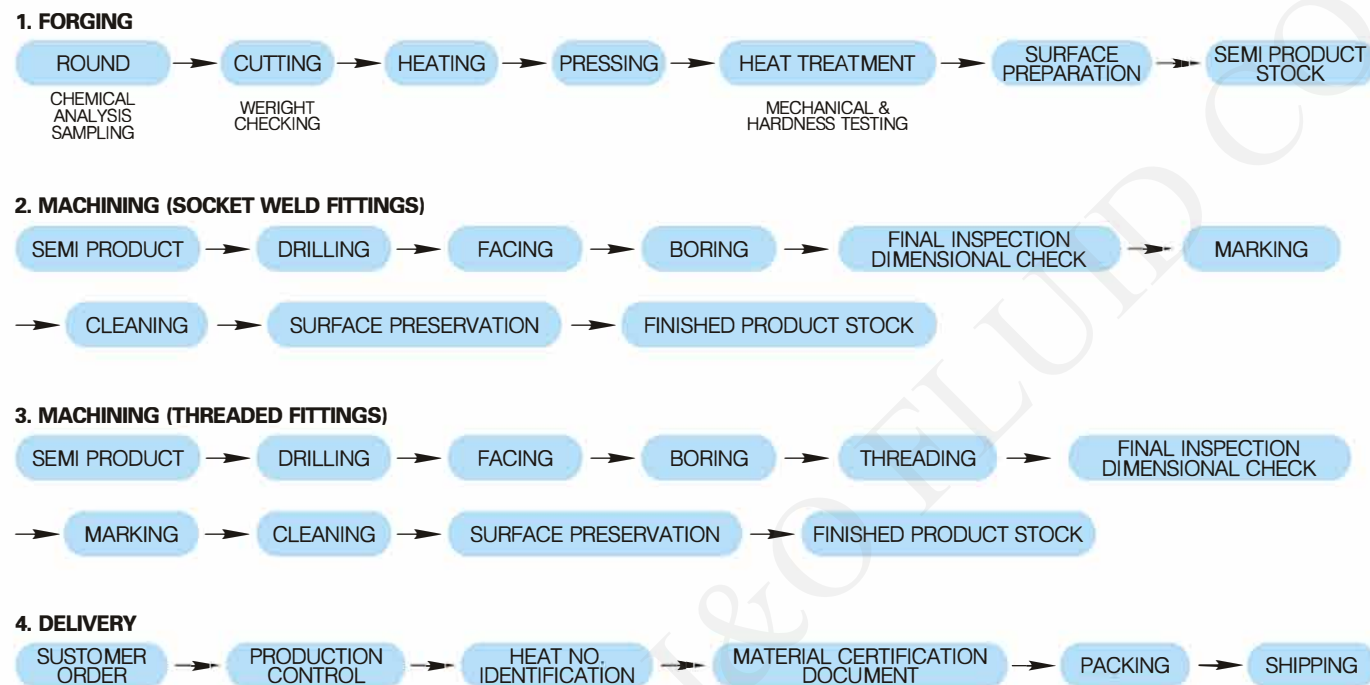
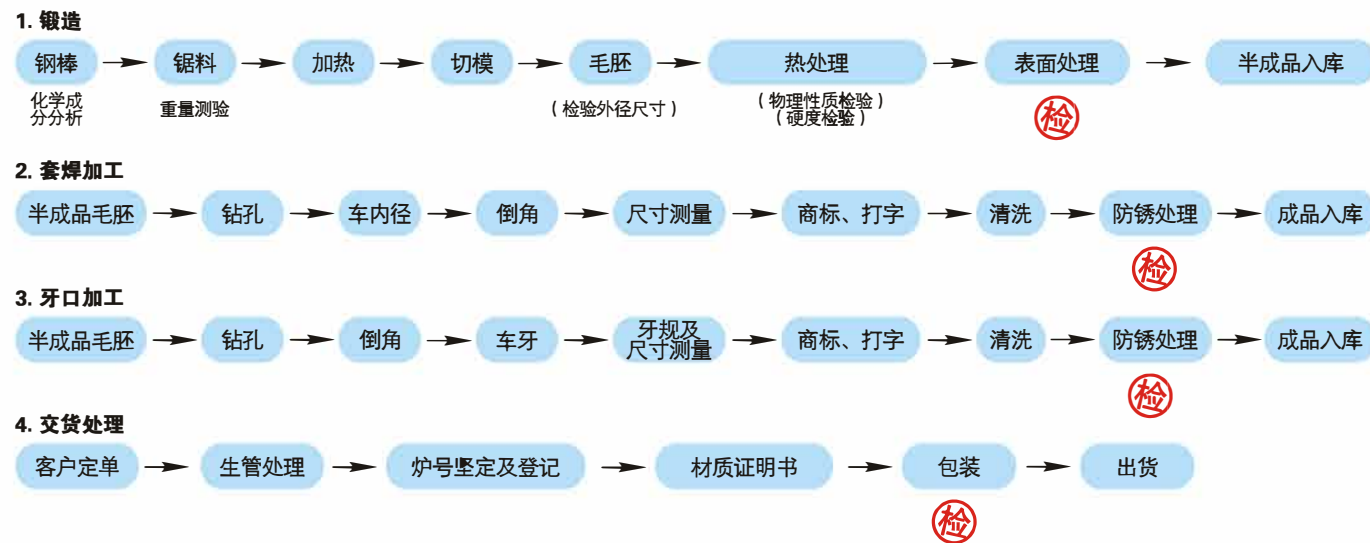


简要作业流程图 PRODUCTION PROCESS CHART

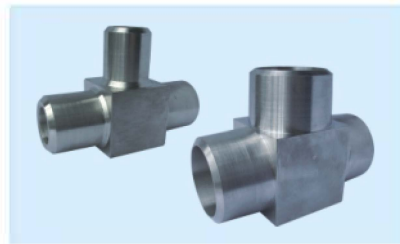
产品范围 RANGE OF PRODUCTS



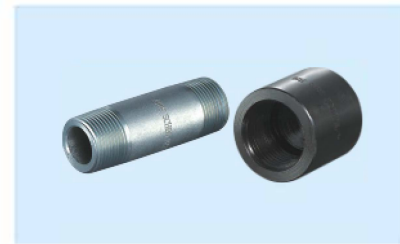
TYPE:	A. ELBOW,TEE,COUPLING,HALF COUPLING,CAP,PLUG,BUSHING. UNION,OUT-LET,SWAGE NIPPLE,BULLPLUG,REDUCER NSERT AND HEX,NIPPLE,STREET ELBOW,BOSS,ETC. B. SOCKET-WELD,THREADED(NPT OR TP TYPE),BUTT-WELDING
SIZE:	NPS 1/8" ~4" .
RATING:	PRESSURE: THREADED END-2000/3000/6000 LBS. SOCKET-WELD END-3000/6000/9000 LBS. BUTT WELDEND-SCH40/SCH80/SCH160/XXS.
SPECIFICATIONS:	A. DIM.SPEC.: CB/T 7306,12716.14383,14626 ASME B16.11-2001(REVISON OF ASME16.11-1996) MSS-SP-79,83,95,97 B. MATERAL SPEC: ASTM A105,A350 LF2,A106,A312,A234,A403 GB/T 699 20MN ASTM A182(F304,F304L,F316,F316L,F304H,F316H,F317L,F321,F11,F22,F91 F51, F53,F55,904L,F44). GB(0Cr18Ni10Ti,0Cr18Ni9,00Cr19Ni10,0Cr17Ni12Mo2,00Cr17Ni14Mo2,00Cr19Ni15Mo3.5, 0Cr18Ni11 Nb,0Cr25Ni20) SIZE OF RAW MATERIAL:DIA.19~100MM ROUND BAR.
MARKING:	A. CARBON AND ALLOY STEEL:MARKED BY STAMPING. B. STAINLESS STEEL: MARKED BY ELECTRO-ETCHED,JET PRINTED OR STAMPING. C. 1/2" TO4" :
FINISHING:	CARBON STEEL-GALVANIZED OR BLACKPHOS.PHOSPHATING STAINLESS STEEL-PICKLED.
PACKING:	CARTION/WOODEN CASE PLYWOODEN CASE



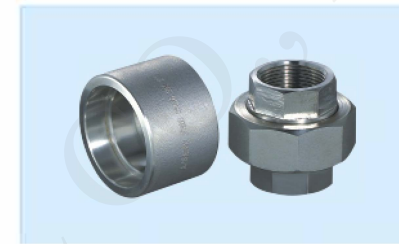
KZ-001



KZ-002



KZ-003



KZ-013



KZ-014



KZ-015



KZ-004



KZ-005



KZ-006



KZ-016



KZ-017



KZ-018



KZ-007



KZ-008



KZ-009



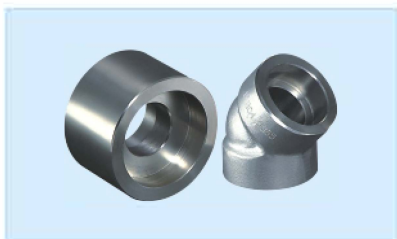
KZ-019



KZ-020



KZ-021



KZ-010



KZ-011



KZ-012



KZ-022



KZ-023

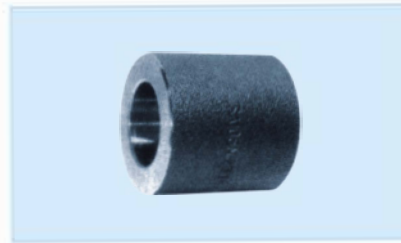


KZ-024

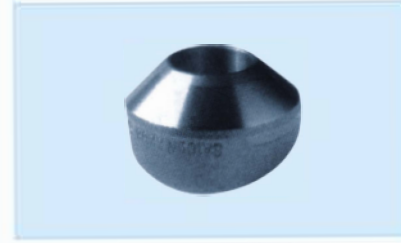




ELBOW90° 承插焊90° 弯头



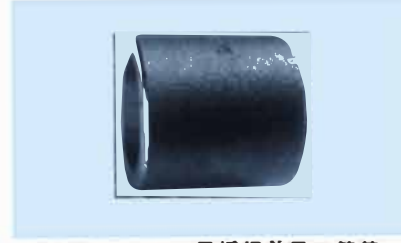
COUPLING 承插焊双承口管箍



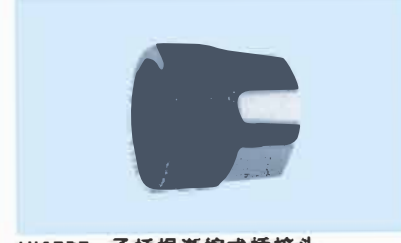
WELDING OUTLET 对焊管座



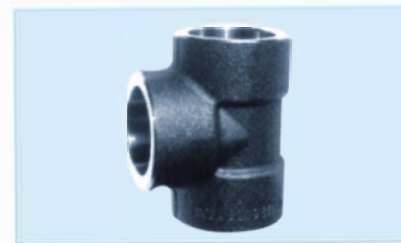
ELBOW45° 承插焊45° 弯头



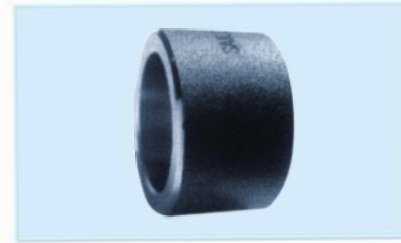
HALF COUPLING 承插焊单承口管箍



INSERT 承插焊渐缩式插接头



TEE 承插焊三通



CAP 承插焊管帽



ELBOW90° 螺纹90° 弯头



CROSS 承插焊四通



BOSS 承插焊单接口管箍



ELBOW45° 螺纹45° 弯头



UNION 承插焊活接头



OUTLET 承插焊管座



TEE 螺纹三通



CROSS 螺纹四通



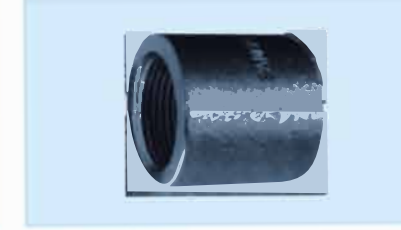
REDUCING COUPLING 螺纹异径双承口管箍



ROUND HEAD PLUG 圆头管塞



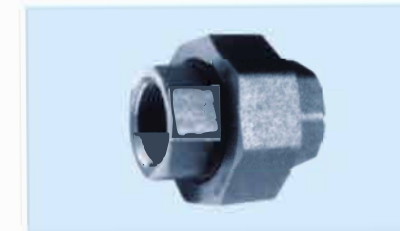
STREET ELBOW 内外螺纹弯头



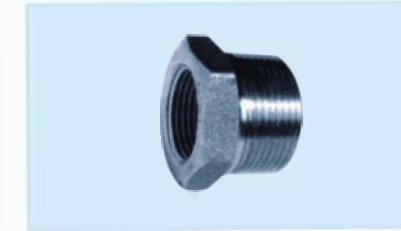
CAP 螺纹管帽



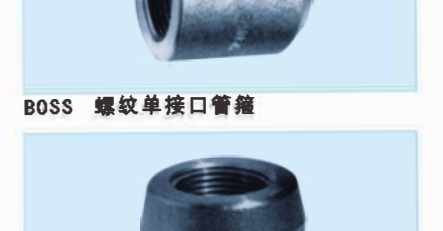
BULL PLUG 大圆头管塞



UNION 螺纹活接头



HEX HEAD BUSHING 六角头内外螺纹接头



BOSS 螺纹单接口管箍



COUPLING 螺纹双承口管箍



HEX HEAD PLUG 六角头管塞



OUTLET 螺纹管座



HALF COUPLING 螺纹单承口管箍



SQUARE HEAD PLUG 方头管塞



WELDING OUTLET 六角双接头

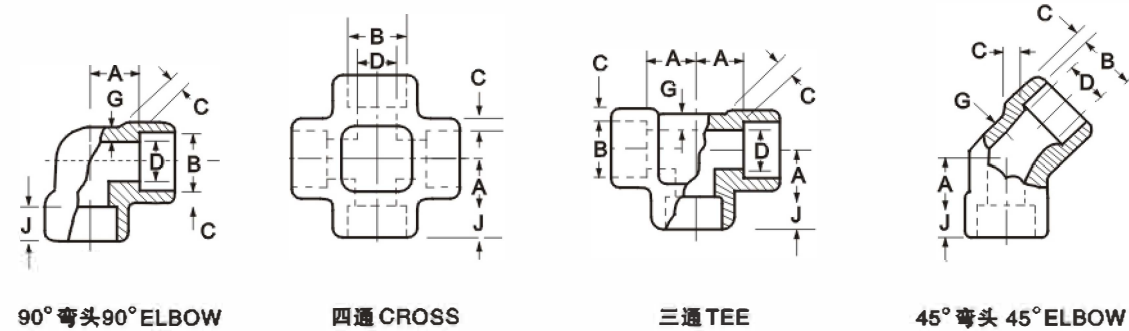


SWAGE NIPPLE 缩径管



承插焊管配件 SOCKET – WELDING FITTINGS

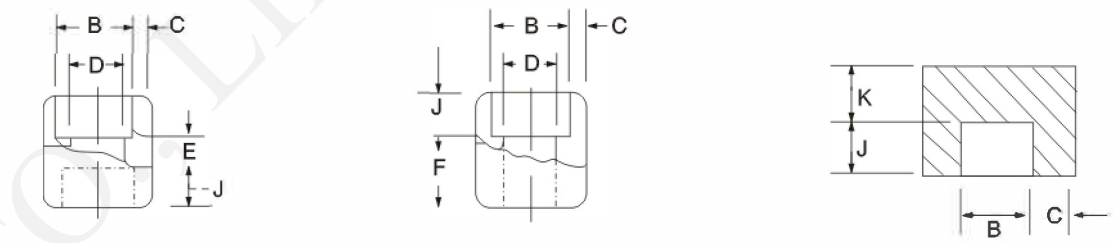
ASME B16.11–2005(ASME B16.11–2001的修订版)



90° 弯头 90° ELBOW 四通 CROSS 三通 TEE 45° 弯头 45° ELBOW

承插焊管配件 SOCKET – WELDING FITTINGS

ASME B16.11–2005(ASME B16.11–2001的修订版)



双承口管箍 COUPLING 单承口管箍 HALF COUPLING 管帽 CAP

尺寸单位为毫米 Dimensions in Millimeters.

公称管子规格 DN	Nom. Pipe Size	插口孔径 Socket Bore Dia.(2) B	管径孔径 Bore Diameter of Fitting(2) D			承插口深度 Socket Wall Thickness(1) C						本体壁厚 Body Wall Thickness G			插口深度 Depth of Socket Min. J
			级别代号 Class Designation			级别代号 Class Designation						级别代号 Class Designation			
			3000	6000	9000	3000		6000		9000		3000	6000	9000	
6	1/8	11.2 10.8	7.6 6.1	4.8 3.2		3.18	3.18	3.96	3.46			2.41	3.15		9.5
8	1/4	14.6 14.2	10.0 8.5	7.1 5.6		3.78	3.30	4.60	4.01			3.02	3.68		9.5
10	3/8	18.0 17.6	13.3 11.8	9.9 8.4		4.01	3.50	5.03	4.37			3.20	4.01		9.5
15	1/2	22.0 21.8	16.6 15.0	12.5 11.0	7.2 5.6	4.67	4.09	5.97	5.18	9.35	8.18	3.73	4.78	7.47	9.5
20	3/4	27.6 27.2	21.7 20.2	16.8 14.8	11.8 10.3	3.90	4.27	6.96	6.04	9.78	8.56	3.91	5.56	7.82	12.5
25	1	34.3 33.9	27.4 25.9	21.5 19.9		5.69	4.98	7.92	6.93	11.38	9.96	4.55	6.35	9.09	12.5
32	1-1/4	43.1 42.7	35.8 34.3	30.2 28.7	23.5 22.0	6.07	5.28	5.98	6.93	12.14	10.62	4.85	6.35	9.70	12.5
40	1-1/2	49.2 48.8	41.6 40.1	34.7 33.2	28.7 27.2	6.35	5.54	8.92	7.80	12.70	11.12	5.08	7.14	10.15	12.5
50	2	61.7 61.2	53.3 51.7	43.6 42.1	38.9 37.4	6.93	6.04	10.92	9.50	13.84	12.12	5.54	8.74	11.07	16.0
65	2-1/2	74.4 73.9	64.2 61.2			8.76	7.67					7.01			16.0
80	3	90.3 89.8	79.4 76.4			9.52	8.30					7.62			16.0
100	4	115.7 115.2	103.8 100.7			10.69	9.35								19.0

NOTES:

- (1) Average of Socket Wall Thickness around periphery shall be no less than listed values. The minimum values are permitted in localized areas.
- (2) Upper and lower values for each size are the respective maximum and minimum dimensions.
- (3) DIMENSIONAL TOLERANCES: see page 14

注:

- (1) 承插口沿周边的平均厚度不小于列表位元, 局部允许达最大值
- (2) 每个规格的较大值和较小值分别对应于最大值径和最小直径
- (3) 尺寸公差: 参见第14页

尺寸单位为毫米 Dimensions in Millimeters.

中心到承插口底 Center to Bottom of Socket-A			长度 Laying Lengths		公差 Tolerances ±			壁厚厚度 End Wall Thickness K (Min.)			公称管子规格 Nom. Pipe Size			
90° 弯头, 三通, 四通 90° Elbows tees, Crosses			45° 弯头 45° Elbows		双承口 管箍 Couplings E	单承口 管箍 Half Couplings F	A	E	F	级别代号 Class Designation			Nom. Pipe Size	DN
级别代号 Class Designation			级别代号 Class Designation							3000	6000	9000		
3000	6000	9000	3000	6000	9000									
11.0	11.0		8.0	8.0		6.5	16.0	1.0	1.5	1.0	4.8	6.4		1/8 6
11.0	13.5		8.0	8.0		6.5	16.0	1.0	1.5	1.0	4.8	6.4		1/4 8
13.5	15.5		8.0	11.0		6.5	17.5	1.5	3.0	1.5	4.8	6.4		3/8 10
15.5	19.0	38.0	11.0	12.5	15.5	9.5	22.5	1.5	3.5	1.5	6.4	7.9	11.2	1/2 15
19.0	22.5	28.5	13.0	14.0	19.0	9.5	24.0	1.5	3.5	1.5	6.4	7.9	12.7	3/4 20
22.5	27.0	32.0	14.0	17.5	20.5	12.5	28.5	2.0	2.0	2.0	9.6	11.2	14.2	1 25
27.0	32.0	35.0	17.5	20.5	22.5	12.5	30.0	2.0	4.0	2.0	9.6	11.2	14.2	1-1/4 32
32.0	38.0	38.0	20.5	25.5	25.5	12.5	32.0	2.0	4.0	2.0	11.2	12.7	15.7	1/1/2 40
38.0	41.0	54.0	28.5	28.5	28.5	19.0	41.0	2.0	4.0	2.0	12.7	15.7	19.0	2 50
41.0			28.5			19.0	43.0	2.5	5.0	2.5	15.7	19.0		2-1/2 65
57.0			32.0			19.0	44.5	2.5	5.0	2.5	19.0	22.4		3 80
66.5			41.0			19.0	48.0	2.5	5.0	2.5	22.4	28.4		4 100

NOTES:

- (1) Average of Socket Wall Thickness around periphery shall be no less than listed values. The minimum values are permitted in localized areas.
- (2) Upper and lower values for each size are the respective maximum and minimum dimensions.
- (3) DIMENSIONAL TOLERANCES: see page 14

注:

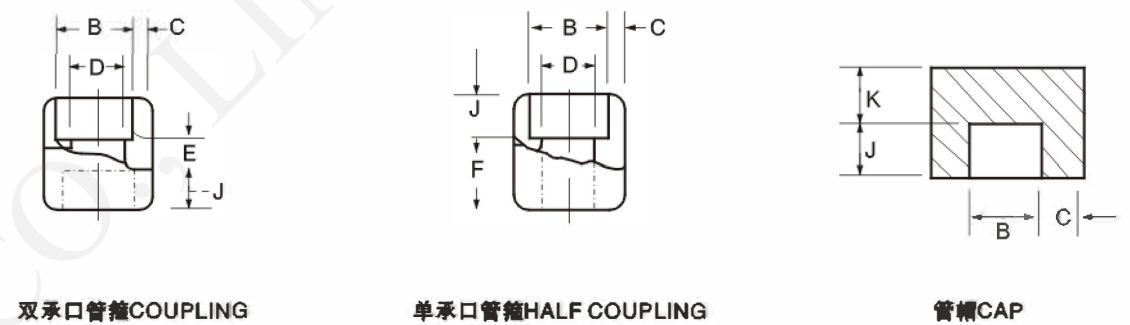
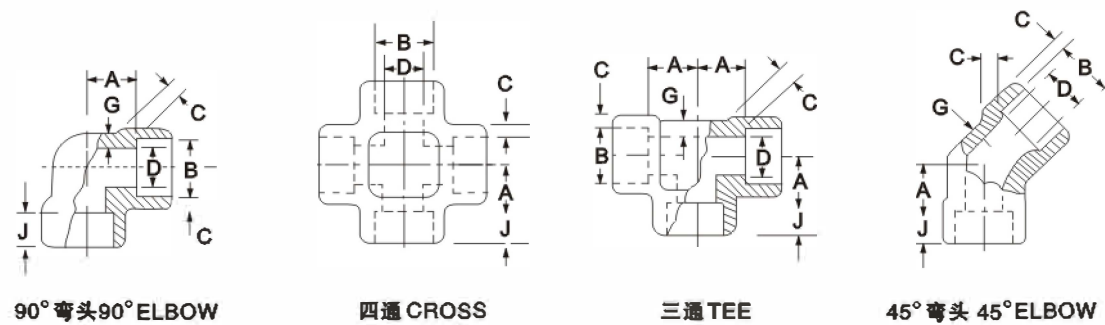
- (1) 承插口沿周边的平均厚度不小于列表位元, 局部允许达最大值
- (2) 每个规格的较大值和较小值分别对应于最大值径和最小直径
- (3) 尺寸公差: 参见第14页

承插焊管配件 SOCKET – WELDING FITTINGS

国标 GB/T14383-93

承插焊管配件 SOCKET – WELDING FITTINGS

国标 GB/T14383-93



尺寸单位为毫米 Dimensions in Millimeters.

公称管子规格		插口孔径 Socket Bore Dia.(2) B	管径孔径 Bore Diameter of Fitting(2) D		承插口深度 Socket Wall Thickness(1) C		本体壁厚 Body Wall Thickness G		插口深度 Depth of Socket Min. J
DN	Nom. Pipe Size		级别代号 Class Designation		级别代号 Class Designation		级别代号 Class Designation		
			Sch80	Sch160	Sch80 (Min)	Sch160 (Min)	Sch80 (Min)	Sch160 (Min)	
15	1/2	21.8	14.1	12.3	4.5	5.6	4.0	5.0	10
20	3/4	27.4	18.9	15.7	5.0	7.0	4.4	6.2	13
25	1	34.2	24.7	21.1	5.6	7.9	5.0	6.9	13
32	1-1/4	42.9	32.4	20.8	6.3	7.9	5.5	6.9	13
40	1-1/2	48.8	38.3	34.1	6.3	8.9	5.5	7.8	13
50	2	61.1	49.1	42.7	7.0	11.0	6.2	9.7	16
65	2-1/2	76.9	61.9	56.1	8.9	12.5	7.8	11.0	16
80	89.8	89.8	72.9	66.9	10.0	13.8	8.8	12.1	16

NOTES:

- (1) Average of Socket Wall Thickness around periphery shall be no less than listed values. The minimum values are permitted in localized areas.
- (2) Upper and lower values for each size are the respective maximum and minimum dimensions.
- (3) DIMENSIONAL TOLERANCES: see page 14

注:

- (1) 承插口沿周边的平均厚度不小于列表位元, 局部允许达最大值
- (2) 每个规格的较大值和较小值分别对应于最大值径和最小直径
- (3) 尺寸公差: 参见第14页

尺寸单位为毫米 Dimensions in Millimeters.

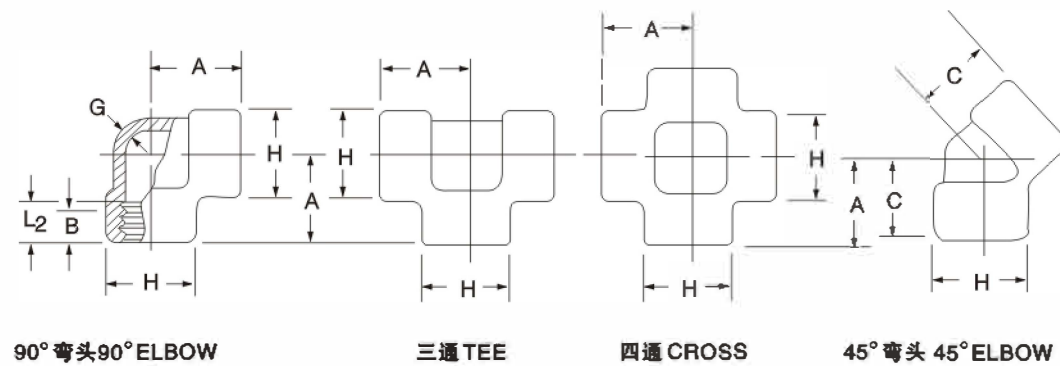
中心到承插口底 Center to Bottom of Socket-A				长度 Laying Lengths		公差 Tolerances ±			壁厚厚度 End Wall Thickness K (Min).		公称管子规格	
90°弯头,三通,四通 90° Elbows tees, Crosses		45°弯头 45° Elbows		双承口 管箍 Couplings E	单承口 管箍 Half Couplings F	A	E	F	级别代号Class Designation		Nom. Pipe Size	DN
级别代号Class Designation	级别代号Class Designation	Sch80	Sch160						Sch80	Sch160		
Sch80	Sch160	Sch80	Sch160						Sch80	Sch160		
16	19	11	13	10	22.5	1.5	3.0	1.5	6.5	7.5	1/2	6
19	22	13	14	10	23.5	1.5	3.0	1.5	7.0	9.0	3/4	20
22	27	14	18	13	29.0	2.0	4.0	2.0	8.5	11.0	1	25
27	32	18	21	13	30.0	2.0	4.0	2.0	10.0	12.0	1-1/4	32
32	38	21	25	13	32.0	2.0	4.0	2.0	11.0	13.5	1-1/2	40
38	41	25	29	19	41.0	2.0	4.0	2.0	12.5	16.5	2	50
41	57	29	32	19	42.5	2.5	5.0	2.5	15.5	19.5	2-1/2	65
57	64	32	35	19	44.5	2.5	5.0	2.5	17.5	23.0	3	80

焊接管配件插口尺寸公差 Dimensional toleranc of forged socket welding fitting

项目Item	Type of pipe fitting	ND	6 to 8	10 to 20	25 to 50	65 to 100
		NPS	1/8 to 1/4	3/8 to 3/4	1 to 2	2-1/2 to 4
Bore diameter of socket (B) 承口直径	所有管配件型号 All types of pipe fittings	+0.3 -0				+0.4 -0
Bore diameter of fitting (D) 插口直径		±0.4				±0.8
Centrioity of bore (X) 同心度		±0.8				
Coin cadence of axes (Y) 轴线重合度						
Center to bottom of socket (A)	45,90D Elbow, Tee	±0.3	±1.5	±2	±2.5	
Bottom to bottom of socket (E)	Full couplng 全内接头	±1.5	±3	±4	±5	
Bottom of socket to opposite face (F)	Half coupling 半内接头	±0.8	±1.5	±2	±2.5	

螺纹管配件 THREADED FITTINGS

ASME B16.11-2005(ASME B16.11-2001的修订版)



尺寸单位为毫米 Dimensions in Millimeters.

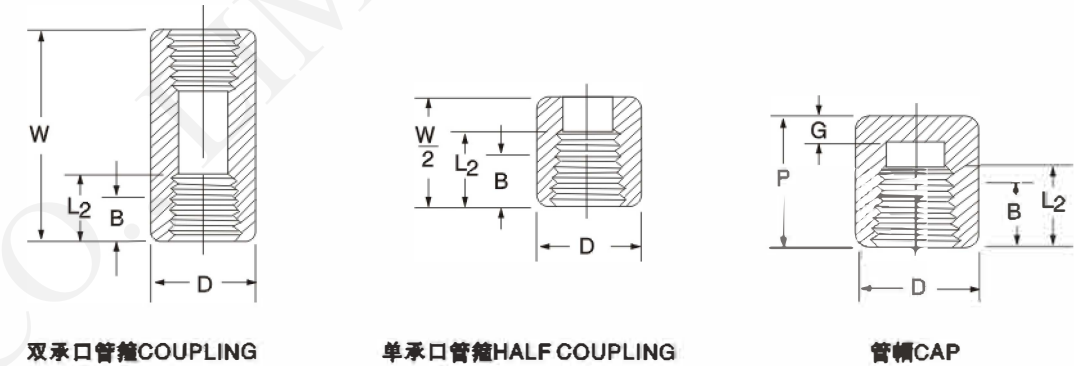
公称管子规格 DN	Nom. Pipe Size	弯头,三通,四通 中心到端 Center to End Elbows, Tees, Cross A			45°弯头中心到端 Center to End 45° Elbow C			箍圈外径 Outside Diameter of Band H			最小壁厚 Minimum Wall Thickness G			螺纹厚度 Length of Thread Min.(1)	
		2000	3000	6000	2000	3000	6000	2000	3000	6000	2000	3000	6000	B	L2
6	1/8	21	21	25	17	17	17	22	22	25	3.18	3.18	6.35	6.4	6.7
8	1/4	21	25	28	17	19	22	22	25	33	3.18	3.30	6.60	8.1	10.2
10	3/8	25	28	33	19	22	25	25	33	38	3.18	3.51	6.98	9.1	10.5
15	1/2	28	33	38	22	25	28	33	38	46	3.18	4.09	8.15	10.9	13.6
20	3/4	33	38	44	25	28	33	38	46	56	3.19	4.32	8.53	12.7	13.9
25	1	38	44	51	28	33	35	46	56	62	3.68	4.98	9.93	14.7	17.3
32	1-1/4	44	51	60	33	35	43	56	62	75	3.89	5.25	10.59	17.0	18.0
40	1-1/2	51	60	64	35	35	44	62	75	84	4.01	5.56	11.07	17.8	18.4
50	2	60	64	83	43	44	52	75	84	102	4.27	4.01	12.09	19.0	19.2
65	2-1/2	76	83	95	52	52	64	76	146	121	5.61	7.65	15.29	23.6	28.9
80	3	86	95	106	64	64	79	119	121	146	5.99	8.84	16.64	25.9	30.5
100	4	106	114	114	79	79	79	146	152	152	6.55	11.18	11.18	27.7	33.0

(1) Dimension B is minimum length of perfect thread. The length of useful thread (B plus threads with fully formed roots and flat crests) shall not be less than L2 (effective length of external thread) required by American National Standard for Pipe Threads(ANSI/ASME B1.20.1)

(1) 尺寸 B 原完整螺纹的最小长度, 根据美国国家标准对管螺纹的要求(ANSI/ASME B1.20.1)有用螺纹长度 B 加上具有充分形成的牙底和平牙顶的牙数应不小于L2(外螺纹牙的有效长度)。

螺纹管配件 THREADED FITTINGS

ASME B16.11-2005(ASME B16.11-2001的修订版)



尺寸单位为毫米 Dimensions in Millimeters.

公称管子规格 DN	Nom. Pipe Size	螺纹外接头端 到端 End to End Couplings W	管帽端到端 End to End Caps P		外径 Outside Diameter D		螺纹端部壁厚 End Wall Thickness G(Min.)		螺纹长度 Length of Thread.(Min)(1)	
			3000	6000	3000	6000	3000	6000	B	L2
6	1/8	32	19	...	16	22	4.8	...	6.4	6.7
8	1/4	35	25	27	19	25	4.8	6.4	8.1	10.2
10	3/8	38	25	27	22	32	4.8	6.4	9.1	10.4
15	1/2	48	32	33	28	38	6.4	7.9	10.9	13.6
20	3/4	51	37	38	35	44	6.4	7.9	12.7	13.9
25	1	60	41	43	44	57	9.7	11.2	14.7	17.3
32	1-1/4	67	44	46	57	64	9.7	11.2	17.0	18.0
40	1-1/2	79	44	48	64	76	11.2	12.7	17.8	18.4
50	2	86	48	51	76	92	12.7	15.7	19.0	19.2
65	2-1/2	92	60	64	92	108	15.7	19.0	23.6	28.9
80	3	108	65	68	108	127	19.0	22.4	25.9	30.5
100	4	121	68	75	140	159	22.4	28.4	27.7	33.0

(1) Dimension B is minimum length of perfect thread. The length of useful thread (B plus threads with fully formed roots and flat crests) shall not be less than L2 (effective length of external thread) required by American National Standard for Pipe Threads(ANSI/ASME B1.20.1)

(2) Class 2000 and NPS 1/8 class 6000 couplings, half couplings, and caps are not included in this standard.

(1) 尺寸 B 原完整螺纹的最小长度, 根据美国国家标准对管螺纹的要求(ANSI/ASME B1.20.1)有用螺纹长度 B 加上具有充分形成的牙底和平牙顶的牙数应不小于L2(外螺纹牙的有效长度)。

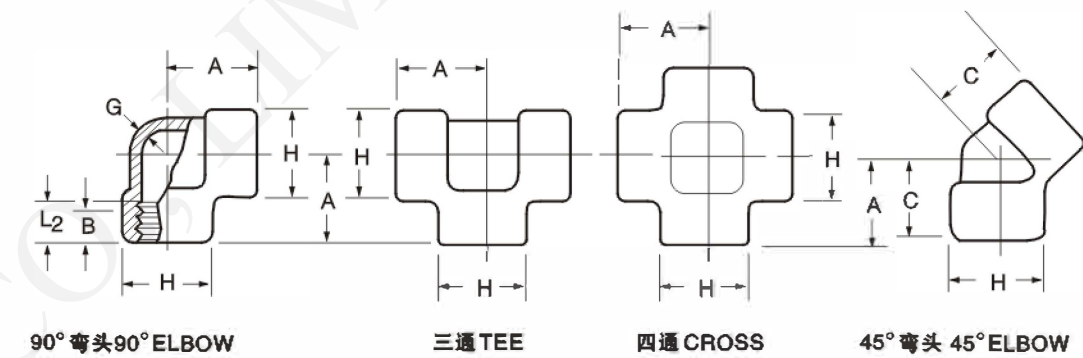
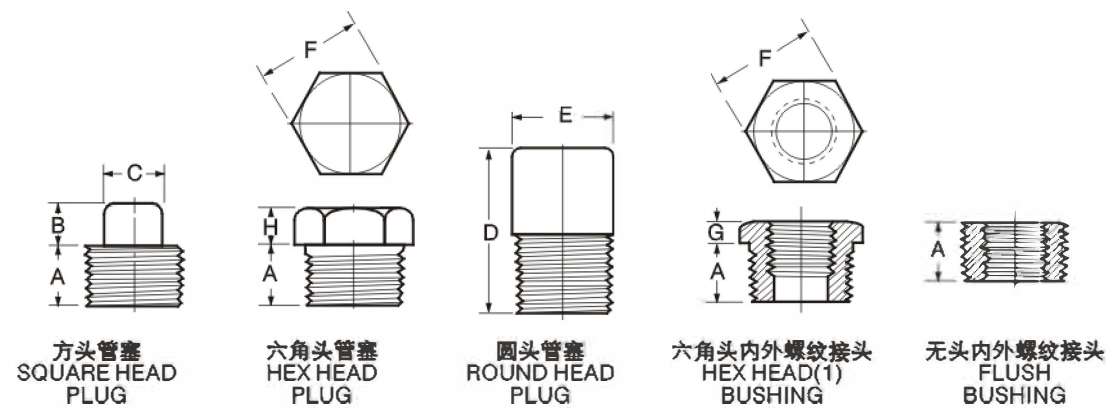
(2) 本标准不包括2000 磅级和NPS 1/8 6000 磅级双承口管箍, 单承口管箍和管帽。

螺纹管配件 THREADED FITTINGS

ASME B16.11-2005(ASME B16.11-2001的修订版)

螺纹管配件 THREADED FITTINGS

国标 GB/T14626-93



尺寸单位为毫米 Dimensions in Millimeters.

公称管子规格		长度 Length (Min.) A	Plugs Square Haed		Plugs Round Head		Hex Plugs & Bushings		
DN	Nom. Pipe Size		方头高度 Height of Square (Min.) B	对边距离 Width Flats (Min.) C	圆头公称直径 Nominal Diarneter of Head E	长度 Length (Min.) D	对边距离 Width Flats (Nom) F	Hex Height (Min.)	
								内外螺纹 Bushing G	管塞 Plug H
6	1/8	10	6	7	10	35	11	...	6
8	1/4	14	6	10	14	41	16	3	6
10	3/8	13	8	11	18	41	18	4	8
15	1/2	14	10	14	24	44	22	5	8
20	3/4	16	11	16	27	44	27	6	10
25	1	19	13	21	33	51	36	6	10
32	1-1/4	21	14	24	43	51	46	7	14
40	1-1/2	21	16	28	48	51	50	8	16
50	2	22	18	32	60	64	65	9	18
65	2-1/2	27	19	36	73	70	75	10	19
80	3	28	21	41	89	70	90	10	21
100	4	32	25	65	114	76	115	13	25

(1) CAUTIONARY NOTE REGARDING HEX BUSHINGS. Hex Head Bushings of one-size reduction should not be used in services where they might be subject to harmful loads and forces other than internal pressures.

(1) 使用六角内外螺纹接头特别注意：六角头丝套使用不宜减少任一尺寸，因为这些丝套可能承受压外的有害负荷力。

尺寸单位为毫米 Dimensions in Millimeters.

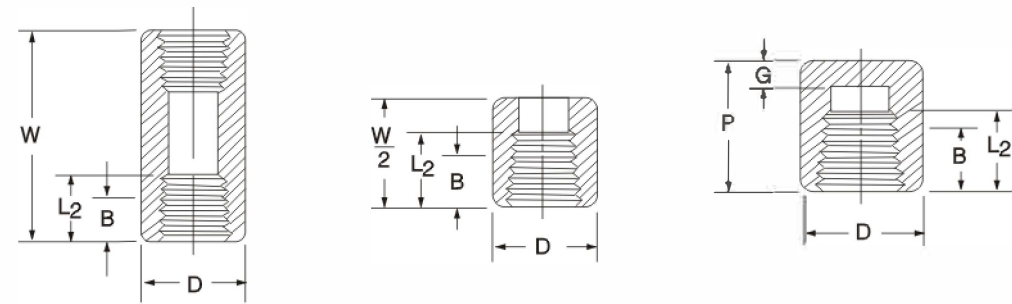
公称管子规格		弯头,三通,四通 中心到端 Center to End Elbows, Tees, Cross A			45°弯头中心到端 Center to End 45° Elbow C			端部外径 Outside Diameter of Band H			最小壁厚 Minimum Wall Thickness G			螺纹长度 Length of Thread L2 Min.	
DN	Nom. Pipe Size	Sch80	Sch160	XXS	Sch80	Sch160	XXS	Sch80	Sch160	XXS	Sch80	Sch160	XXS	60°螺纹	55°螺纹
10	3/8	25	29	28	19	22	25	25	33	38	3.0	3.6	7.0	10.5	10.1
15	1/2	29	33	33	22	25	28	33	38	46	3.0	4.0	8.0	13.5	13.2
20	3/4	33	38	38	25	28	33	38	46	56	3.0	4.5	8.5	14.0	14.5
25	1	38	44	44	29	33	35	46	56	62	3.5	5.0	10.0	17.5	16.8
32	1-1/4	44	51	51	33	35	43	56	62	75	4.0	5.5	10.5	18.0	19.1
40	1-1/2	51	60	60	35	35	44	62	75	84	4.0	5.5	11.0	18.0	19.1
50	2	60	64	64	43	44	52	75	84	102	4.5	7.0	12.0	18.5	23.4
65	2-1/2	76	83	83	52	52	64	92	146	121	5.5	7.5	15.5	29.0	26.7
80	3	86	95	95	64	64	79	110	121	146	6.0	9.0	16.5	30.5	29.8
100	4	106	114	114	79	79	79	146	152	152	6.5	11.0	18.5	33.9	35.8

(1) Dimension B is minimum length of perfect thread. The length of useful thread (B plus threads with fully formed roots and flat crests) shall not be less than L2.

(1) 尺寸B原完整螺纹的最小长度，根据国家标准对管螺牙的要求有用螺纹长度B加上具有充分形成的牙底和平牙顶的牙数应不小于L2。

螺纹管配件 THREADED FITTINGS

国标 GB/T14626-93



双承口管箍 COUPLING

单承口管箍 HALF COUPLING

管帽 CAP

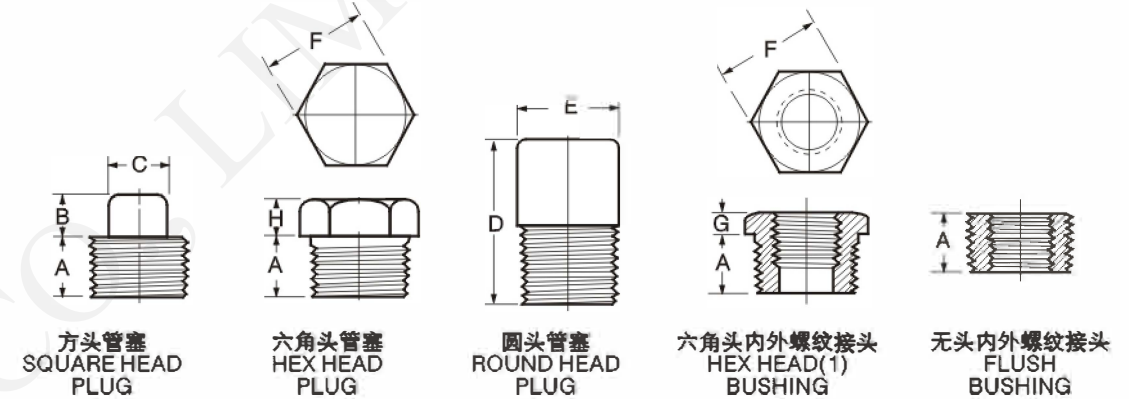
尺寸单位为毫米 Dimensions in Millimeters.

公称管子规格 DN	Nom. Pipe Size	螺纹外接头端到端 End to End Couplings W			管帽端到端 End to End Caps P			外径 Outside Diameter D		端部壁厚 End Wall Thickness G(Min.)		螺纹长度 Length of Thread. L2 (Min)(1)	
		Sch160 & XXS	Sch160	XXS	Sch160	XXS	Sch160	XXS	Sch160	XXS	60°螺纹	55°螺纹	
8	1/4	35	25	27	19	25	5.0	6.5	10.0	9.7			
10	3/8	38	25	27	22	32	5.0	6.5	10.5	10.1			
15	1/2	48	32	33	29	38	6.5	8.0	13.5	13.2			
20	3/4	51	37	38	35	44	6.5	8.0	14.0	14.5			
25	1	60	41	43	44	57	9.5	11.0	17.5	16.8			
32	1-1/4	67	44	46	57	64	9.5	11.0	18.0	19.1			
40	1-1/2	79	44	48	64	76	11.0	12.5	18.0	19.1			
50	2	86	48	51	76	92	12.5	16.0	18.5	23.4			
65	2-1/2	92	60	64	92	108	16.0	19.0	29.0	26.7			
80	3	108	65	68	108	127	19.0	22.0	30.5	29.8			
100	4	121	68	75	140	159	22.5	28.5	33.9	35.8			

- (1) Dimension B is minimum length of perfect thread. The length of useful thread B plus threads with fully formed roots and flat crests shall not be less than L2
- (2) Class 2000 and NPS 1/8 class 6000 couplings, half couplings, and caps are not included in this standard.
- (1) 尺寸 B 为完整螺纹的最小长度，根据国家标准对管螺牙的要求有用螺纹长度 B 加上具有充分形成的牙底和平牙顶的牙数应不小于 L2。
- (2) 本标准不包括 2000 磅级和 NPS 1/8 6000 磅级双承口管箍，单承口管箍和管帽。

螺纹管配件 THREADED FITTINGS

国标 GB/T14626-93



方头管塞
SQUARE HEAD
PLUG

六角头管塞
HEX HEAD
PLUG

圆头管塞
ROUND HEAD
PLUG

六角头内外螺纹接头
HEX HEAD(1)
BUSHING

无头内外螺纹接头
FLUSH
BUSHING

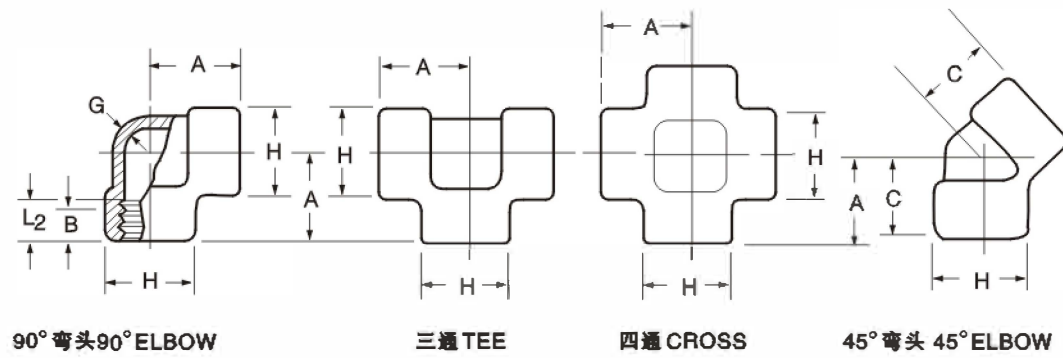
尺寸单位为毫米 Dimensions in Millimeters.

公称管子规格 DN	Nom. Pipe Size	长度 Length (Min.) A	Plugs Square Head		Plugs Round Head		Hex Plugs & Bushings		
			方头高度 Height of Square (Min.) B	对边距离 Width Flats (Min.) C	圆头公称直径 Nominal Diameter of Head E	长度 Length (Min.) D	对边距离 Width Flats (Nom) F	Hex Height (Min.)	
								内外螺纹 Bushing G	管塞 Plug H
8	1/4	11.0	6	9.5	13	41	16.0	3	6
10	3/8	12.5	8	11.0	17	41	17.5	4	6
15	1/2	14.5	10	14.5	21	44	22.0	5	8
20	3/4	16.0	11	16.0	27	44	27.0	6	10
25	1	19.0	13	20.5	33	51	35.0	6	10
32	1-1/4	20.5	14	24.0	43	51	44.5	7	14
40	1-1/2	20.5	16	28.5	48	51	51.0	8	16
50	2	22.0	18	33.5	60	64	63.5	9	17
65	2-1/2	27.0	19	38.0	73	70	76.0	10	19
80	3	28.5	21	43.0	89	70	89.0	10	21
100	4	32.0	25	63.5	114	76	117.5	13	25

- (1) CAUTIONARY NOTE REGARDING HEX BUSHINGS. Hex Head Bushings of one-size reduction should not be used in services where they might be subject to harmful loads and forces other than internal pressures.
- (1) 使用六角内外螺纹接头特别注意：六角头丝套使用不宜减少任一尺寸，因为这些丝套可能承受压外的有害负荷力。

螺纹管普通型 THREADED FITTINGS

国标 GB/T14626-93



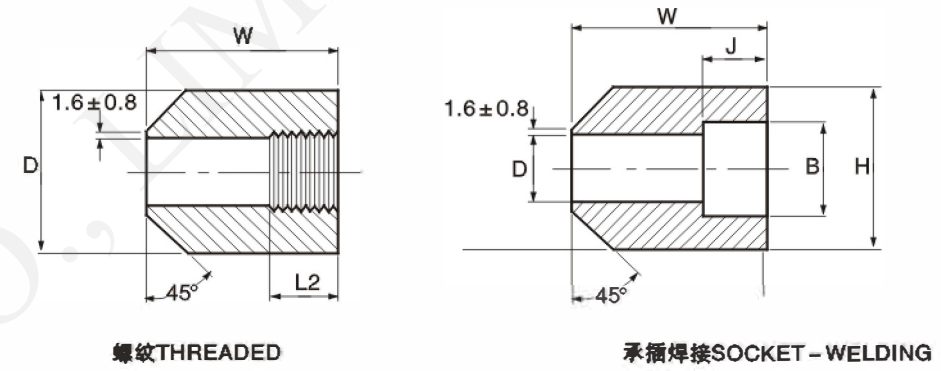
尺寸单位为毫米 Dimensions in Millimeters.

公称管子规格 DN	Nom. Pipe Size	弯头,三通,四通 中心到端 Center to End Elbows, Tees, Cross A			45° 弯头 中心到端 Center to End 45° Elbow C			端部外径 Outside Diameter of Band H			最小壁厚 Minimum Wall Thickness G			螺纹长度 Length of Thread L2 Min.	
		Sch80	Sch160	XXS	Sch80	Sch160	XXS	Sch80	Sch160	XXS	Sch80	Sch160	XXS	60° 螺纹	55° 螺纹
8	1/4	21	25	26	17	19	22	22	25	33	3.0	3.5	6.5	10.0	9.7
10	3/8	25	27	33	19	22	25	25	33	38	3.0	3.6	7.0	10.5	10.1
15	1/2	27	36	36	22	24	28	33	38	46	3.0	4.0	8.0	13.5	13.2
20	3/4	32	40	40	24	26	33	38	46	56	3.0	4.5	8.5	14.0	14.5
25	1	36	44	44	26	30	35	46	56	62	3.5	5.0	10.0	17.5	16.8
32	1-1/4	40	53	53	30	32	43	56	62	75	4.0	5.5	10.5	18.0	19.1
40	1-1/2	44	60	60	32	44	44	62	75	84	4.0	5.5	11.0	18.0	19.1
50	2	53	73	73	44	50	52	75	84	102	4.5	7.0	12.0	18.5	23.4
65	2-1/2	60	85	85	52	52	64	92	102	121	5.5	7.5	15.5	29.0	26.7
80	3	73	108	108	64	64	79	110	121	146	6.0	9.0	16.5	30.5	29.8
100	4	102	114	114	79	79	79	146	152	152	6.5	11.0	18.5	33.9	35.8

(1) Dimension B is minimum length of perfect thread. The length of useful thread (B plus threads with fully formed roots and flat crests) shall not be less than L2.

(1) 尺寸 B 原完整螺纹的最小长度, 根据国家标准对管螺纹的要求有用螺纹长度 B 加上具有充分形成的牙底和平牙顶的牙数应不小于 L2。

BOSS



尺寸单位为毫米 Dimensions in Millimeters.

Size (in)	D	W	L2 (Min)
3000Lbs			
1/4	22.1	39.9	10.0
3/8	25.9	50.0	10.5
1/2	34.0	50.0	13.5
3/4	39.1	50.0	14.0
1	48.0	50.0	17.5
1-1/4	59.9	50.0	18.0
1-1/2	65.0	50.0	18.5
2	80.0	59.9	19.0

Size (in)	D	W	L2 (Min)
6000Lbs			
1/4	25.9	39.9	10.0
3/8	36.0	50.0	10.5
1/2	43.9	50.0	13.5
3/4	50.0	50.0	14.0
1	59.9	50.0	17.5
1-1/4	65.0	50.0	18.0
1-1/2	80.0	50.0	18.5
2	95.0	59.0	19.0

Size (in)	B	D	J (Min)	W	H
3000Lbs					
1/4	14.3	9.3	9.9	39.9	22.3
3/8	17.7	12.6	10.9	50.0	26.5
1/2	21.9	15.8	13.0	50.0	34.2
3/4	27.3	21.0	14.0	50.0	39.5
1	34.0	26.7	16.0	50.0	46.3
1-1/4	42.8	35.1	18.0	50.0	55.2
1-1/2	48.9	40.9	19.1	50.0	65.1
2	61.4	52.5	22.1	59.9	80.2

Size (in)	B	D	J (Min)	W	H
6000Lbs					
1/4	21.9	11.8	14.0	50.0	43.3
3/4	27.3	15.6	16.0	50.0	49.1
1	34.0	20.7	18.0	50.0	56.0
1-1/4	42.8	29.5	19.1	50.0	65.2
1-1/2	48.9	34.0	22.0	50.0	80.1
2	61.4	42.9	25.9	59.9	95.1

(1) Thread in Accordance with GB/T12716, Gb7306 ASME B1.20.1

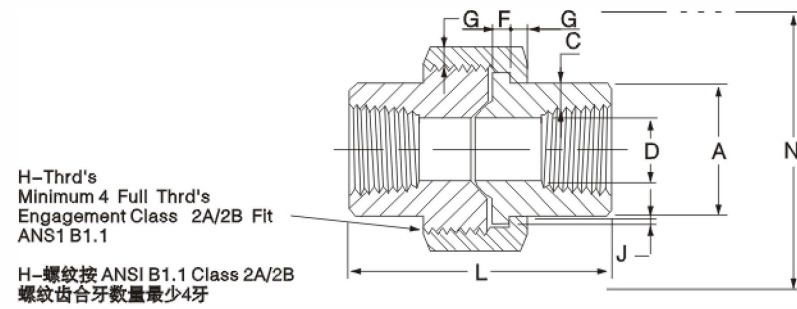
(2) Socket Dimensions in Accordance with ASME B16.11.

(1) 螺纹按 GB/T12716, GB7306, ASME B1.20.1 制造

(2) 承插焊接口 ASME B16.11 尺寸执行。

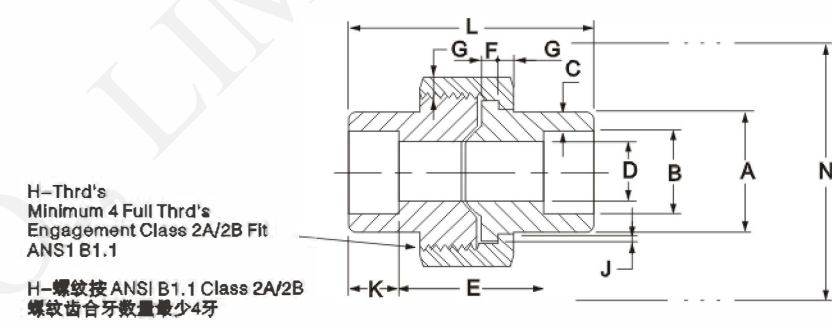
活接头 UNIONS

国标 GB/T14626-93
THREADED END MSS-SP-83-2001



活接头 UNIONS

国标 GB/T14383-93
THREADED END MSS-SP-83-2001



尺寸单位为毫米 Dimensions in Millimeters.

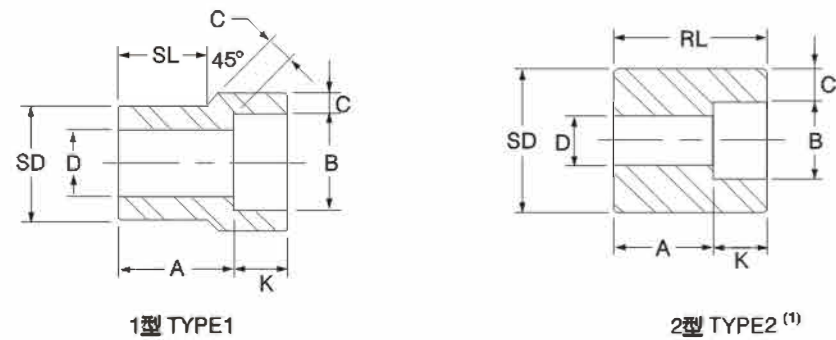
公称管子规格 Nom Pipe Size	管端 Pipe Ene (Min.) A	壁厚 Wall (Min.) C	流通孔直径 Water Way Bore D	凸缘 Male Flange Min F	螺母 Nut Min G	牙数 /inch Thrds. Per Inch Max. H	支承 Bearing Min J	公称装备 长度 Length Way Bore D	螺母装备 Clear Assem. Nut N
1/8	14.7	2.41	8.43 6.43	3.18	3.18	16	1.24	41.4	50.8
1/4	19.0	3.02	11.43 9.45	3.18	3.18	16	1.24	41.4	50.8
3/8	22.9	3.20	14.27 13.51	3.43	3.43	14	1.37	46.0	55.9
1/2	27.7	3.73	17.86 17.07	3.68	3.68	14	1.50	49.0	58.4
3/4	33.5	3.91	23.01 21.39	4.06	4.06	11	1.68	56.9	66.0
1	41.4	4.55	28.98 27.74	4.57	4.45	11	1.85	62.9	78.7
1-1/4	50.5	4.85	37.69 35.36	5.32	5.21	11	2.13	71.1	94.0
1-1/2	57.2	5.08	43.54 41.20	5.84	5.59	10	2.31	76.5	111.8
2	70.1	5.54	55.58 52.12	6.60	6.35	10	2.69	86.1	132.1
2-1/2	85.3	7.01	66.27 64.31	7.40	7.11	8	3.07	102.4	149.9
3	102.4	7.62	86.25 77.27	8.26	8.00	8	3.53	109.0	175.3

尺寸单位为毫米 Dimensions in Millimeters.

公称管子规格 Nom Pipe Size	管端 Pipe Ene Min A	承口内径 Socket Bore Dia B	承口壁厚 Socket Wall (Min.) C	流通孔直径 Water Way Bore D	长度 Laying Length E	凸缘 Male Flange Min F	螺母 Nut Min G	牙数/Inch Thrds. Per Inch Max. H	支承 Bearing Min J	插口 深度 Depth of Socket (Min) K	公称装备 长度 Length Way Bore D	螺母装备 Clear Assem. Nut N
1/8	21.8	11.18 10.67	3.18	7.59 6.07	22.4 19.1	3.18	3.18	16	9.7	41.4	41.4	50.8
1/4	21.8	14.61 14.10	3.30	10.01 8.48	22.4 19.1	3.18	3.18	16	9.7	41.4	41.4	50.8
3/8	25.9	18.03 17.53	3.51	13.28 11.76	26.9 20.6	3.43	3.43	14	9.7	46.0	46.0	55.9
1/2	31.2	22.23 21.73	4.09	16.56 15.04	26.9 20.6	3.68	3.68	14	9.7	49.0	49.0	58.4
3/4	37.1	27.56 27.05	4.27	21.69 20.17	31.8 25.4	4.06	4.06	11	12.7	56.9	56.9	66.0
1	45.5	34.20 33.78	4.98	27.41 25.88	34.3 26.2	4.57	4.45	11	12.7	62.9	62.9	78.7
1-1/4	54.9	43.05 42.55	5.28	35.81 34.29	40.6 32.5	5.33	5.21	11	12.7	71.1	71.1	94.0
1-1/2	61.5	49.15 46.64	5.54	41.66 40.13	42.2 34.0	5.84	5.59	10	12.7	76.5	76.5	111.8
2	75.2	61.62 61.11	6.05	53.26 51.74	45.5 37.3	6.60	6.35	10	15.7	86.1	86.1	132.1
2-1/2	91.7	74.45 73.01	7.67	64.24 61.19	64.24 61.19	7.49	7.11	8	15.7	102.4	102.4	149.9
3	109.2	90.42 89.79	8.31	79.45 76.40	63.8 53.6	8.26	8.00	8	15.7	109.0	109.0	175.3

承插焊渐缩式插接头 REDUCER INSERTS SOCKET WELDING

MSS-SP-79-1999a



1型 TYPE1

2型 TYPE2⁽¹⁾

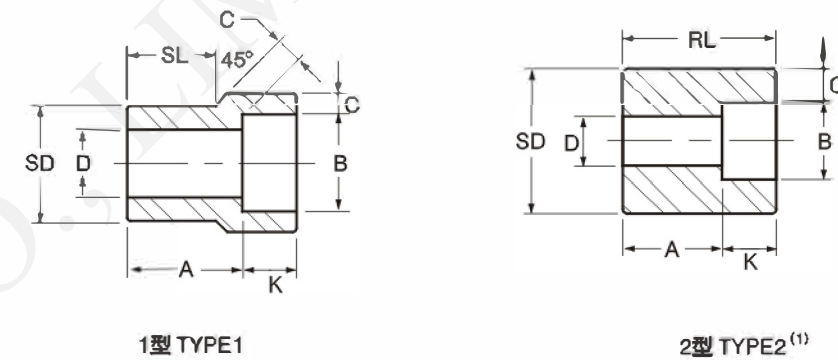
尺寸单位为毫米 Dimensions in Millimeters.

公称管子规格 Nom Pipe Size	类别 Type(1)		承口Socket		末端直径 Shank Dia. SD	覆盖长度 Laying Length A		孔 Bore D		壁厚 Wall Min C		长度Length					
			直径 Dia B	深度 Depth Min. K		3M	6M	3M	6M	3M	6M	3M	6M	3M	6M	3M	6M
3/8x1/4	1	1	14.35	10	17.15	19	21	9.9	6.5	3.78	4.60	14	16				
1/2x3/8	1	1	17.78	10	21.34	21	23	12.5	9.0	4.01	5.03	16	16				
1/2x1/4	1	1	14.35	10	21.34	21	21	9.0	6.5	3.78	4.60	16	16				
3/4x1/2	1	1	21.97	10	26.67	22	25	16.0	11.5	4.67	5.97	17	19				
3/4x3/8	2	1	17.78	10	26.67	16	22	12.5	9.0	4.01	5.03		19	27			
3/4x1/4	2	2	14.35	10	26.67	18	22	9.0	6.5	3.78	4.60			27	32		
1x3/4	1	1	27.31	13	33.40	24	28	21.0	15.5	4.90	6.96	19	21				
1x1/2	2	1	21.97	10	33.40	16	28	16.0	11.5	4.67	5.97		21	28			
1x3/8	2	2	17.78	10	33.40	18	22	12.5	9.0	4.01	5.03			28	33		
1x1/4	2	2	14.35	10	33.40	19	24	9.0	6.5	3.78	4.60			28	33		
1-1/4x1	1	1	34.04	13	42.16	25	30	26.5	20.5	5.69	7.92	21	22				
1-1/4x3/4	2	2	27.31	13	42.16	18	21	21.0	15.5	4.90	6.96			32	35		
1-1/4x1/2	2	2	21.97	10	42.16	19	22	16.0	11.5	4.67	5.97			32	35		
1-1/4x3/8	2	2	17.78	10	42.16	21	24	12.5	9.0	4.01	5.03			32	35		
1-1/4x1/4	2	2	14.35	10	42.16	22	25	9.0	6.5	3.78	4.60			32	35		
1-1/2x1-1/4	1	1	42.80	13	48.26	28	35	25.0	29.5	6.07	7.92	22	25				
1-1/2x1	2	1	34.04	13	48.26	18	29	26.5	20.5	5.69	7.92		25	33			
1-1/2x3/4	2	2	27.31	13	48.26	19	25	21.0	15.5	4.90	6.96			33	40		
1-1/2x1/2	2	2	21.97	10	48.26	21	27	16.0	11.5	4.67	5.97			33	40		
1-1/2x3/8	2	2	17.78	10	48.26	22	28	12.5	9.0	4.01	5.03			33	40		
2x1-1/2	1	1	48.90	13	60.32	32	39	41.0	34.0	6.35	8.90	25	28				
2x1-1/4	2	2	42.80	13	60.32	21	24	35.0	29.5	6.07	7.92			38	41		
2x1	2	2	34.04	13	60.32	22	25	26.5	21.0	5.69	7.92			38	41		
2x3/4	2	2	27.31	13	60.32	24	27	21.0	15.5	4.90	6.96			38	41		
2x1/2	2	2	21.97	10	60.32	25	28	16.0	11.5	4.67	5.97			38	41		

(1) At the option of the manufacturer Type 2 Reducers may be furnished in Type 1 configuration.
 (2) 3M & 6M symbols denote 3000 and 6000 classes.
 (1) 2型可以按1型配置供应, 由制造商选择。
 (2) 3M和6M符号表示3000磅和6000磅。

承插焊渐缩式插接头 REDUCER INSERTS SOCKET WELDING

MSS-SP-79-1999a



1型 TYPE1

2型 TYPE2⁽¹⁾

尺寸单位为毫米 Dimensions in Millimeters.

(Continued)

公称管子规格 Nom Pipe Size	类别 Type(1)		承口Socket		末端直径 Shank Dia. SD	覆盖长度 Laying Length A		孔 Bore D		壁厚 Wall Min C		长度Length					
			直径 Dia B	深度 Depth Min. K		3M	6M	3M	6M	3M	6M	3M	6M	3M	6M	3M	6M
2-1/2x2	1	1	61.37	16	73.02	46	43	52.5	43.0	6.93	10.92	32	38				
2-1/2x1-1/2	2	2	48.90	13	73.02	35	35	41.0	34.0	6.35				54	54		
2-1/2x1-1/4	2	2	42.80	13	73.02	37	37	35.0	29.5	6.07				54	54		
2-1/2x1	2	2	34.04	13	73.02	38	38	26.5	21.0	5.69				54	54		
2-1/2x3/4	2	2	27.31	13	73.02	40	38	21.0	15.5	4.90				54	54		
3x2-1/2	1	1	74.07	16	88.90	38	57	62.5	54.0	8.76		32	45				
3x2	2	2	61.37	16	88.90	25	32	52.5	43.0	6.93				48	54		
3x1-1/2	2	2	48.90	13	88.90	29	32	41.0	34.0	6.35				48	54		
3x1-1/4	2	2	42.80	13	88.90	30	32	35.0	29.5	6.07				48	54		
3x1	2	2	34.04	13	88.90	32	32	26.5	21.0	5.69				48	54		
4x3	2		90.04	16	114.30	33		78.0		9.5				60			
4x2-1/2	2		74.07	16	114.30	38		62.5		8.76				60			
4x2	2		61.37	16	114.30	38		52.5		6.93				60			
4x1-1/2	2		48.90	13	114.30	42		41.0		6.35				60			
4x1-1/4	2		42.80	13	114.30	43		35.0		6.07				60			

(1) At the option of the manufacturer Type 2 Reducers may be furnished in Type 1 configuration.
 (2) 3M & 6M symbols denote 3000 and 6000 classes.
 (1) 2型可以按1型配置供应, 由制造商选择。
 (2) 3M和6M符号表示3000磅和6000磅。

TOLERANCES

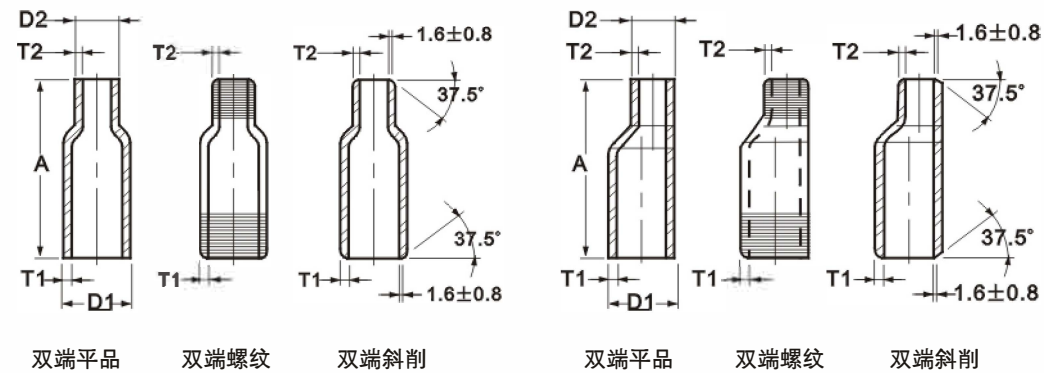
Laying Length A	Sizes 3/8" thru 3/4"	+ 1.5mm/-0.0mm	Bore D	Sizes 1/4" thru 2"	± 0.8mm
	Sizes 1" thru 2"	+ 2.0mm/-0.0mm		Sizes 2-1/2" thru 3"	± 1.5mm
	Sizes 2-1/2" thru 4"	+ 2.5mm/-0.0mm	Shank Dia SD	Sizes 3/8" thru 1-1/2"	± 0.25mm
				Sizes 2" thru 3"	± 0.50mm
			Shank Length SL	Sizes 3/8" thru 3/4"	± 0.0mm/-1.5mm
				Sizes 1" thru 2"	± 0.0mm/-2.0mm
	Sizes 1/4" thru 2"	+ 0.25mm		Sizes 2-1/2" thru 4"	± 0.0mm/-2.5mm
	Sizes 2-1/2" thru 3"	+ 0.4mm/-0.25mm			

缩径管 SWAGE NIPPLE

MSS-SP-95-2000

缩径管 SWAGE NIPPLE

MSS-SP-95-2000



尺寸单位为毫米 Dimensions in Millimeters.

公称管子规格 Nominal Pipe Size (NPS)	外径 Outside Diameter 大端 Large End D1 小端 Small End D2	长度 End To End "A"	壁厚 Wall Thickness								
			T1				T2				
			Sch40 (STD)	Sch80 (XS)	Sch160	XXS	Sch40 (STD)	Sch80 (XS)	Sch160	XXS	
1/4x1/8	13.7	10.3	57	2.2	3.0	3.7	6.1	1.7	2.4	3.2	4.8
3/8x1/8	17.1	10.3	64	2.3	3.2	4.0	6.4	1.7	2.4	3.2	4.8
3/8x1/4	17.1	13.7	64	2.3	3.2	4.0	6.4	2.2	3.0	3.7	6.1
1/2x1/8	21.3	10.3	70	2.8	3.7	4.7	7.5	1.7	2.4	3.2	4.8
1/2x1/4	21.3	13.7	70	2.8	3.7	4.7	7.5	2.2	3.0	3.7	6.1
1/2x3/8	21.3	17.1	70	2.8	3.7	4.7	7.5	2.3	3.2	4.0	6.4
3/4x1/8	26.7	10.3	76	2.9	3.9	5.5	7.8	1.7	2.4	3.2	4.8
3/4x1/4	26.7	13.7	76	2.9	3.9	5.5	7.8	2.2	3.0	3.7	6.1
3/4x3/8	26.7	17.1	76	2.9	3.9	5.5	7.8	2.3	3.2	4.0	6.4
3/4x1/2	26.7	21.3	76	2.9	3.9	5.5	7.8	2.8	3.7	4.7	7.5
1x1/8	33.4	10.3	89	3.4	4.5	6.4	9.1	1.7	2.4	3.2	4.8
1x1/4	33.4	13.7	89	3.4	4.5	6.4	9.1	2.2	3.0	3.7	6.1
1x3/8	33.4	17.1	89	3.4	4.5	6.4	9.1	2.3	3.2	4.0	6.4
1x1/2	33.4	21.3	89	3.4	4.5	6.4	9.1	2.8	3.7	4.7	7.5
1x3/4	33.4	26.7	89	3.4	4.5	6.4	9.1	2.9	3.9	5.5	7.8
1-1/4x1/8	42.2	10.3	102	3.6	4.9	6.4	9.7	1.7	3.4	3.2	4.8
1-1/4x1/4	42.2	13.7	102	3.6	4.9	6.4	9.7	2.2	3.0	3.7	6.1
1-1/4x3/8	42.2	17.1	102	3.6	4.9	6.4	9.7	2.3	3.2	4.0	6.4
1-1/4x1/2	42.2	21.3	102	3.6	4.9	6.4	9.7	2.8	3.7	4.7	7.5
1-1/4x3/4	42.2	26.7	102	3.6	4.9	6.4	9.7	2.9	3.9	5.5	7.8
1-1/4x1	42.2	33.4	102	3.6	4.9	6.4	9.7	3.4	4.5	6.4	9.1
1-1/2x1/8	48.3	10.3	114	3.7	5.1	7.1	10.2	1.7	2.4	3.2	4.8
1-1/2x1/4	48.3	13.7	114	3.7	5.1	7.1	10.2	2.2	3.0	3.7	6.1
1-1/2x3/8	48.3	17.1	114	3.7	5.1	7.1	10.2	2.3	3.2	4.0	6.4
1-1/2x1/2	48.3	21.3	114	3.7	5.1	7.1	10.2	2.8	3.7	4.7	7.5
1-1/2x3/4	48.3	26.7	114	3.7	5.1	7.1	10.2	2.9	3.9	5.5	7.8
1-1/2x1	48.3	33.4	114	3.7	5.1	7.1	10.2	3.4	4.5	6.4	9.1
1-1/2x1-1/4	48.3	42.2	114	3.7	5.1	7.1	10.2	3.6	4.9	6.4	9.7
2x1/8	60.3	10.3	165	3.9	5.5	8.7	11.1	1.7	2.4	3.2	4.8
2x1/4	60.3	13.7	165	3.9	5.5	8.7	11.1	2.2	3.0	3.7	6.1
2x3/8	60.3	17.1	165	3.9	5.5	8.7	11.1	2.3	3.2	4.0	6.4
2x1/2	60.3	21.3	165	3.9	5.5	8.7	11.1	2.8	3.7	4.7	7.5
2x3/4	60.3	26.7	165	3.9	5.5	8.7	11.1	2.9	3.9	5.5	7.8
2x1	60.3	33.4	165	3.9	5.5	8.7	11.1	3.4	4.5	6.4	9.1
2x1-1/4	60.3	42.2	165	3.9	5.5	8.7	11.1	3.6	4.9	6.4	9.7

尺寸单位为毫米 Dimensions in Millimeters.

(Continued)

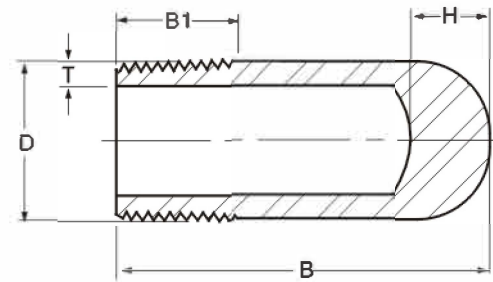
公称管子规格 Nominal Pipe Size (NPS)	外径 Outside Diameter 大端 Large End D1 小端 Small End D2	长度 End To End "A"	壁厚 Wall Thickness								
			T1				T2				
			Sch40 (STD)	Sch80 (XS)	Sch160	XXS	Sch40 (STD)	Sch80 (XS)	Sch160	XXS	
2x1-1/2	60.3	48.3	165	3.9	5.5	8.7	11.1	3.7	5.1	7.1	10.2
2-1/2x1/8	73.0	10.3	178	5.2	7.0	9.5	14.0	1.7	2.4	3.2	4.8
2-1/2x1/4	73.0	13.7	178	5.2	7.0	9.5	14.0	2.2	3.0	3.7	6.1
2-1/2x3/8	73.0	17.1	178	5.2	7.0	9.5	14.0	2.3	3.2	4.0	6.4
2-1/2x1/2	73.0	21.3	178	5.2	7.0	9.5	14.0	2.8	3.7	4.7	7.5
2-1/2x3/4	73.0	26.7	178	5.2	7.0	9.5	14.0	2.9	3.9	5.5	7.8
2-1/2x1	73.0	33.4	178	5.2	7.0	9.5	14.0	3.4	4.5	6.4	9.1
2-1/2x1-1/4	73.0	42.2	178	5.2	7.0	9.5	14.0	3.6	4.9	6.4	9.7
2-1/2x1-1/2	73.0	48.3	178	5.2	7.0	9.5	14.0	3.7	5.1	7.1	10.2
2-1/2x2	73.0	60.3	178	5.2	7.0	9.5	14.0	3.9	5.5	7.8	11.1
3x1/8	88.9	10.3	203	5.5	7.6	11.5	15.2	1.7	2.4	3.2	4.8
3x1/4	88.9	13.7	203	5.5	7.6	11.5	15.2	2.2	3.0	3.7	6.1
3x3/8	88.9	17.1	203	5.5	7.6	11.5	15.2	2.3	3.2	4.0	6.4
3x1/2	88.9	21.3	203	5.5	7.6	11.5	15.2	2.8	3.7	4.7	7.5
3x3/4	88.9	26.7	203	5.5	7.6	11.5	15.2	2.9	3.9	5.5	7.8
3x1	88.9	33.4	203	5.5	7.6	11.5	15.2	3.4	4.5	6.4	9.1
3x1-1/4	88.9	42.2	203	5.5	7.6	11.5	15.2	3.6	4.9	6.4	9.7
3x1-1/2	88.9	48.3	203	5.5	7.6	11.5	15.2	3.7	5.1	7.1	10.2
3x2	88.9	60.3	203	5.5	7.6	11.5	15.2	3.9	5.5	7.8	11.1
3x2-1/2	88.9	73.0	203	5.5	7.6	11.5	15.2	5.2	7.0	9.5	14.0
3-1/2x1/8	101.6	10.3	203	5.7	8.1	-	-	1.7	2.4	3.2	4.8
3-1/2x1/4	101.6	13.7	203	5.7	8.1	-	-	2.2	3.0	3.7	6.1
3-1/2x3/8	101.6	17.1	203	5.7	8.1	-	-	2.3	3.2	4.0	6.4
3-1/2x1/2	101.6	21.3	203	5.7	8.1	-	-	2.8	3.7	4.7	7.5
3-1/2x3/4	101.6	26.7	203	5.7	8.1	-	-	2.9	3.9	5.5	7.8
3-1/2x1	101.6	33.4	203	5.7	8.1	-	-	3.4	4.5	6.4	9.1
3-1/2x1-1/4	101.6	42.2	203	5.7	8.1	-	-	3.6	4.9	6.4	9.7
3-1/2x1-1/2	101.6	48.3	203	5.7	8.1	-	-	3.7	5.1	7.1	10.2
3-1/2x2	101.6	60.3	203	5.7	8.1	-	-	3.9	5.5	7.8	11.1
3-1/2x2-1/2	101.6	73.0	203	5.7	8.1	-	-	5.2	7.0	9.5	14.0
3-1/2x3	101.6	88.9	203	5.7	8.1	-	-	5.5	7.6	11.5	15.2
4x1/4	114.3	13.7	229	6.0	8.6	13.5	17.1	2.2	3.0	3.7	6.1
4x3/8	114.3	17.1	229	6.0	8.6	13.5	17.1	2.3	3.2	4.0	6.4
4x1/2	114.3	21.3	229	6.0	8.6	13.5	17.1	2.8	3.7	4.7	7.5
4x3/4	114.3	26.7	229	6.0	8.6	13.5	17.1	2.9	3.9	5.5	7.8
4x1	114.3	33.4	229	6.0	8.6	13.5	17.1	3.4	4.5	6.4	9.1
4x1-1/4	114.3	42.2	229	6.0	8.6	13.5	17.1	3.6	4.9	6.4	9.7
4x1-1/2	114.3	48.3	229	6.0	8.6	13.5	17.1	3.7	5.1	7.1	10.2
4x2	114.3	60.3	229	6.0	8.6	13.5	17.1	3.9	5.5	7.8	11.1
4x2-1/2	114.3	73.0	229	6.0	8.6	13.5	17.1	5.2	7.0	9.5	14.0
4x3	114.3	88.9	229	6.0	8.6	13.5	17.1	5.5	7.6	11.5	15.2
4x3-1/2	114.3	101.6	229	6.0	8.6	13.5	17.1	5.7	8.1	-	-

(1) Wall Thickness (T1, T2) in Accordance with ASME B36.10

(1) 管壁厚 (T1, T2) 需符合 ASME B36.10。

大圆头管塞 BULL PLUGS

MSS-SP-95-2000



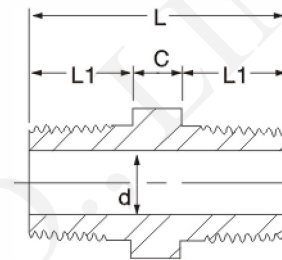
尺寸单位为毫米 Dimensions in Millimeters.

Size (in)	D	B	B1	T Min				H
				Sch 40 (STD)	Sch 80 (XS)	Sch 160	XXS	
1/8	10.3	34	9.5	1.73	2.41	3.20	4.8	14
1/4	13.7	34	11.0	2.24	3.02	3.70	6.1	14
3/8	17.1	57	12.5	2.31	3.20	4.00	6.4	14
1/2	21.3	64	14.5	2.77	3.73	4.78	7.47	14
3/4	26.7	70	16.0	2.87	3.91	5.56	7.82	18
1	33.4	76	19.0	3.38	4.56	6.35	9.09	18
1-1/4	42.2	83	20.5	3.56	4.85	6.35	9.70	18
1-1/2	48.3	89	20.5	3.68	5.05	7.14	10.15	18
2	60.3	102	22.0	3.91	5.54	8.74	11.07	20
2-1/2	73.0	127	27.0	5.16	7.01	9.53	14.02	20
3	88.9	152	28.5	5.49	7.60	11.13	15.24	20
4	114.3	178	32.0	6.35	8.08	13.49	17.12	20

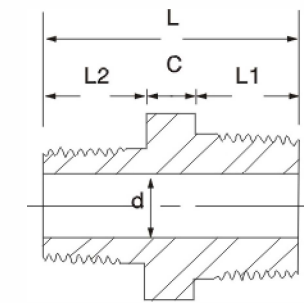
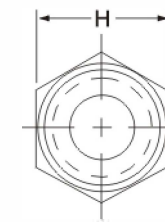
- (1) Thread in Accordance with ASME B1.20.1
- (2) Wall Thickness (T Min.) in Accordance with ASME B36.10M.
- (1) 螺纹依照ASME B1.20.1
- (2) 壁厚依照ASME B36.10M

六角双接头 HEX NIPPLES

螺纹按 GB/T12716 制造
ASNI / ASME B1.20.1-1983-NPT



同径双接头 FULL SIZES



异径双接头 REDUCING SIZES

尺寸单位为毫米 Dimensions in Millimeters.

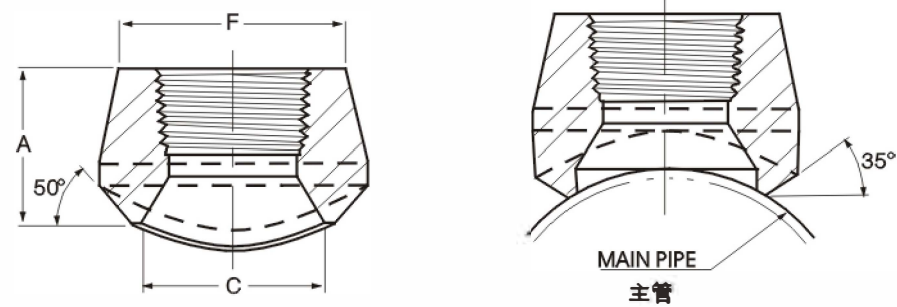
公称管子规格 Size NPS	C	L1	L	d		H
				3M	6M	
				1/8	6.0	
1/4	8.0	14.0	36.0	6.4	-	17.0
3/8	8.0	14.0	36.0	9.2	4.3	19.0
1/2	9.0	19.0	47.0	11.8	6.4	24.0
3/4	10.0	19.0	48.0	15.6	11.1	30.0
1	11.0	24.0	59.0	20.7	15.2	35.0
1-1/4	12.0	24.0	60.0	29.5	22.8	46.0
1-1/2	14.0	24.0	62.0	34.0	28.0	50.0
2	16.0	26.0	68.0	42.9	38.2	65.0
2-1/2	18.0	38.0	94.0	53.8	-	80.0
3	20.0	40.0	100.0	66.5	-	95.0
4	24.5	40.0	105.0	87.3	-	125.5

- (1) 3M=3000#; 6M=6000#
- 3M=3000磅; 6M=6000磅

公称管子规格 Size NPS	C	L1	L2	L	d		H
					3M	6M	
					3/8x1/4	8.0	
1/2x1/4	9.0	19.0	14.0	42.0	6.4	-	24.0
1/2x3/8	9.0	19.0	14.0	42.0	9.2	4.3	24.0
3/4x1/4	10.0	19.0	14.0	43.0	6.4	-	30.0
3/4x3/8	10.0	19.0	14.0	43.0	9.2	4.3	30.0
3/4x1/2	10.0	19.0	19.0	48.0	11.8	6.4	30.0
1x3/8	11.0	24.0	14.0	49.0	9.2	4.3	35.0
1x1/2	11.0	24.0	19.0	54.0	11.8	6.4	35.0
1x3/4	11.0	24.0	19.0	54.0	15.6	11.1	35.0
1-1/4x1/2	12.0	24.0	19.0	55.0	11.8	6.4	46.0
1-1/4x3/4	12.0	24.0	19.0	55.0	15.6	11.1	46.0
1-1/4x1	12.0	24.0	24.0	60.0	20.7	15.2	46.0
1-1/2x3/4	14.0	24.0	19.0	57.0	15.6	11.1	50.0
1-1/2x1	14.0	24.0	24.0	62.0	20.7	15.2	50.0
1-1/2x1-1/4	14.0	24.0	24.0	62.0	29.5	22.8	50.0
2x1	16.0	26.0	24.0	66.0	20.7	15.2	65.0
2x1-1/4	16.0	26.0	24.0	66.0	29.5	22.8	65.0
2x1-1/2	16.0	26.0	24.0	66.0	34.0	28.0	65.0
2-1/2x1-1/4	18.0	38.0	24.0	80.0	29.5	22.8	80.0
2-1/2x1-1/2	18.0	38.0	24.0	80.0	34.0	28.0	80.0
2-1/2x2	18.0	38.0	26.0	82.0	42.9	38.2	80.0
3x1-1/2	20.0	40.0	24.0	84.0	34.0	28.0	95.0
3x2	20.0	40.0	26.0	86.0	42.9	38.2	95.0
3x2-1/2	20.0	40.0	38.0	98.0	53.8	-	95.0

螺纹管座 BRANCH OUTLET FITTINGS THREADED END

MSS-SP-97-2001



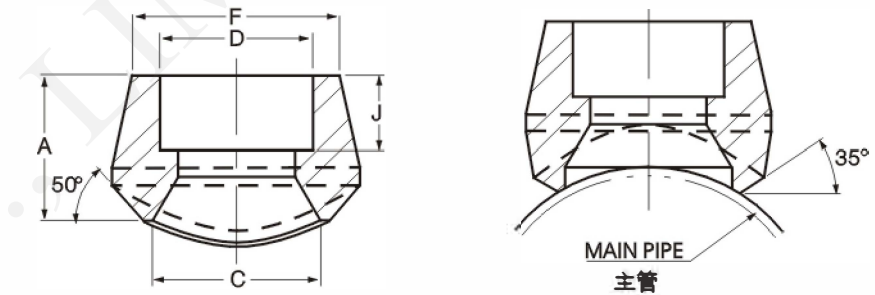
尺寸单位为毫米 Dimensions in Millimeters.

支管公称管子规格 Out-Llet Pipe NPS (in)	A	C	F
3000磅 公称壁厚 STD/xs 3000 Lb Standard and extra strong			
1/8	19.0	13.7	17.3
1/4	19.0	13.7	22.0
3/8	21.0	17.1	25.8
1/2	25.0	21.3	31.3
3/4	27.0	26.7	37.1
1	33.0	33.4	45.5
1-1/4	33.0	42.2	54.9
1-1/2	35.0	48.3	61.6
2	38.0	60.3	75.3
2-1/2	46.0	73.0	91.7
3	51.0	88.9	109.1
4	57.0	114.3	137.2
6000磅 公称壁厚 S160/xxs 6000 Lb Schedule 160 and double extra strong			
1/2	32.0	16.6	33.9
3/4	37.0	21.2	41.2
1	40.0	27.0	49.9
1-1/4	41.0	35.8	58.6
1-1/2	43.0	41.2	66.7
2	52.0	51.6	83.2

- (1) Thread in Accordance with ASME B1.20.1
 (2) 3000LB outlet size 4 and less fit a number of run pipe sizes and the fitting are marked accordingly. See page 35 for Conventional Run Size Combination.
 (1) 螺纹按GB/T12716 ASME B1.20.1制造。
 (2) 4"以下(含4") 3000磅级管座, 主管尺寸与标志一致, 参考35页主管常规尺寸共用表。

承接焊管座 BRANCH OUTLET FITTINGS SOCKET WELDING END

MSS-SP-97-2001



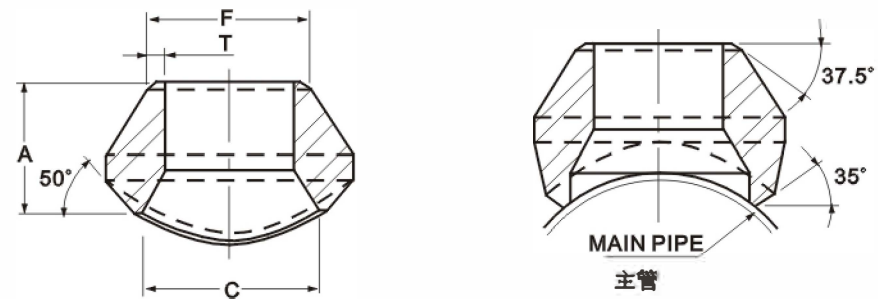
尺寸单位为毫米 Dimensions in Millimeters.

支管公称管子规格 Out-Llet Pipe NPS (in)	A	C	D	F	J (Min)
3000磅 公称壁厚 STD/xs 3000 Lb Standard and extra strong					
1/8	19.0	13.7	10.9	17.3	10.0
1/4	19.0	13.7	14.4	22.0	10.0
3/8	21.0	17.1	17.8	25.8	10.0
1/2	25.0	21.3	22.0	31.3	10.0
3/4	27.0	26.7	27.3	37.1	13.0
1	33.0	33.4	34.1	45.5	13.0
1-1/4	33.0	42.2	42.8	54.9	13.0
1-1/2	35.0	48.3	48.9	61.6	13.0
2	38.0	60.3	61.4	75.3	16.0
2-1/2	46.0	73.0	74.2	91.7	16.0
3	51.0	88.9	90.1	109.1	16.0
4	57.0	114.3	115.8	137.2	19.0
6000磅 公称壁厚 S160/xxs 6000 Lb Schedule 160 and double extra strong					
1/2	32.0	16.6	22.0	33.9	10.0
3/4	37.0	21.2	27.3	41.2	13.0
1	40.0	27.0	34.1	49.9	13.0
1-1/4	41.0	35.8	42.8	58.6	13.0
1-1/2	43.0	41.2	48.9	66.7	13.0
2	52.0	51.6	61.4	83.2	16.0

- (1) Socket Dimension in Accordance with ASME B16.11.
 (2) 3000LB outlet size 4 and less fit a number of run pipe sizes and the fitting are marked accordingly. See page 35 for Conventional Run Size Combination.
 (1) 螺纹按GB/T12716 ASME B1.20.1制造。
 (2) 4"以下(含4") 3000磅级管座, 主管尺寸与标志一致, 参考35页主管常规尺寸共用表。

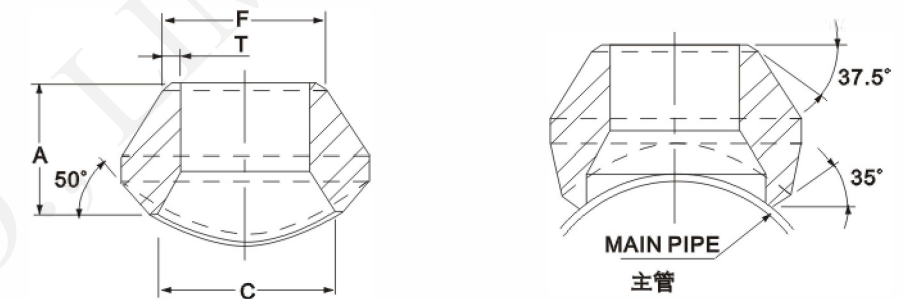
对焊管座 BRANCH OUTLET FITTINGS BUTT WELDING END

MSS-SP-97-2001



对焊管座 BRANCH OUTLET FITTINGS BUTT WELDING END

MSS-SP-97-2001



尺寸单位为毫米 Dimensions in Millimeters.

Standard weight

支管公称管子规格 Out-Llet Pipe NPS (in)	A	C	F	T
1/8	16.0	13.7	10.3	1.73
1/4	16.0	13.7	13.7	2.24
3/8	19.0	17.1	17.1	2.31
1/2	19.0	21.3	21.3	2.77
3/4	22.0	26.7	26.7	2.87
1	27.0	33.4	33.4	3.38
1-1/4	32.0	42.2	42.2	3.56
1-1/2	33.0	48.3	48.3	3.68
2	38.0	60.3	60.3	3.91
2-1/2	41.0	73.0	73.0	5.16
3	44.0	88.9	88.9	5.49
3-1/2	48.0	101.6	101.6	5.74
4	51.0	114.3	114.3	6.02
5	57.0	141.3	141.3	6.55
6	60.0	168.3	168.3	7.11
8	70.0	219.3	219.3	8.11
10	78.0	273.1	273.1	9.27
12	86.0	323.9	323.9	9.53
14	89.0	355.6	355.6	9.53
16	94.0	406.4	406.4	9.53
18	97.0	457.2	457.2	9.53
20	102.0	508.0	508.0	9.53
24	116.0	609.6	609.6	9.53

- (1) Weld bevel in Accordance with ASME B16.25.
- (2) Outlet size 4 and less fit a number of run pipe sizes and the fittings are marked accordingly. See page 35 for Conventional Run Size Combination.
- (3) Outlet sizes 5 and up order to specific size combination.
- (1) 对焊斜削按ASME B16.25制造。
- (2) 4"以下(含4")管座, 主管尺寸与标志一致, 参考35页主管常规尺寸共用表。
- (3) 5"以上(含5")管座为特殊尺寸, 本厂可依顾客要求制作。

尺寸单位为毫米 Dimensions in Millimeters.

Extra strong

支管公称管子规格 Out-Llet Pipe NPS (in)	A	C	F	T
1/8	16.0	13.7	10.3	2.41
1/4	16.0	13.7	13.7	3.02
3/8	19.0	17.1	17.1	3.20
1/2	19.0	21.3	21.3	3.73
3/4	22.0	26.7	26.7	3.91
1	27.0	33.4	33.4	4.55
1-1/4	32.0	42.2	42.2	4.85
1-1/2	33.0	48.3	48.3	5.08
2	38.0	60.3	60.3	5.54
2-1/2	41.0	73.0	73.0	7.01
3	44.0	88.9	88.9	7.62
3-1/2	48.0	101.6	101.6	8.56
4	51.0	114.3	114.3	8.56
5	57.0	141.3	141.3	9.53
6	78.0	168.3	168.3	10.97
8	99.0	219.3	219.3	12.70
10	94.0	273.1	273.1	12.70
12	103.0	323.9	323.9	12.70
14	100.0	355.6	355.6	12.70
16	106.0	406.4	406.4	12.70
18	111.0	457.2	457.2	12.70
20	119.0	508.0	508.0	12.70
24	140.0	609.6	609.6	12.70

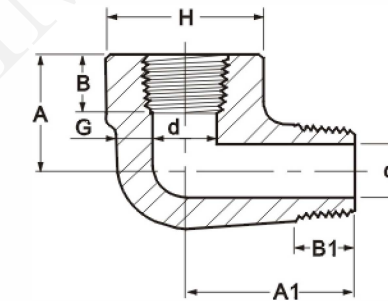
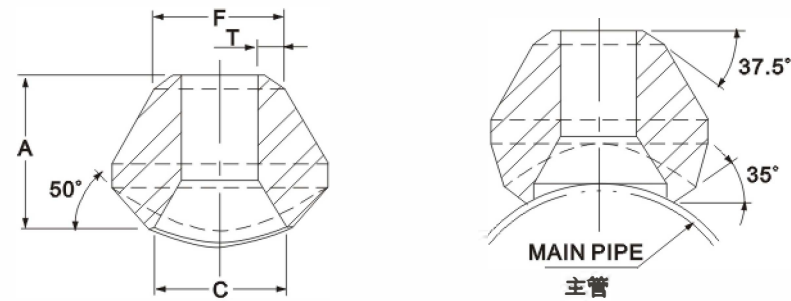
- (1) Weld bevel in Accordance with ASME B16.25.
- (2) Outlet size 4 and less fit a number of run pipe sizes and the fittings are marked accordingly. See page 35 for Conventional Run Size Combination.
- (3) Outlet sizes 5 and up order to specific size combination.
- (1) 对焊斜削按ASME B16.25制造。
- (2) 4"以下(含4")管座, 主管尺寸与标志一致, 参考35页主管常规尺寸共用表。
- (3) 5"以上(含5")管座为特殊尺寸, 本厂可依顾客要求制作。

对焊管座 BRANCH OUTLET FITTINGS BUTT WELDING END

MSS-SP-97-2001

内外螺纹弯头 STREET ELBOWS

ASME B16.11-2005(ASME B16.11-2001的修订版)



Schedule 160 and double extra strong

尺寸单位为毫米 Dimensions in Millimeters.

支管公称管子规格 Out-Llet Pipe NPS (in)	A	C	F	T	
				S160	XXS
1/2	28.0	13.8	21.3	4.78	7.47
3/4	32.0	18.9	26.7	5.56	7.82
1	38.0	24.3	33.4	6.35	9.09
1-1/4	44.0	32.5	42.2	6.35	9.70
1-1/2	51.0	38.1	48.3	7.14	10.15
2	55.0	49.2	60.3	8.74	11.07
2-1/2	62.0	59.0	73.0	9.53	14.02
3	73.0	73.7	88.9	11.13	15.24
4	84.0	97.2	114.3	13.49	17.12
5	94.0	122.2	141.3	15.88	19.05
6	105.0	146.4	168.3	18.26	21.95

- (1) Weld bevel in Accordance with ASME B16.25.
- (2) Outlet size by order to specific size combination.
- (1) 对焊接ASME B16.25制造。
- (2) 管座尺寸按顾客合同要求制造。

常规尺寸共用表 Conventional run size combinations

3000# thread / socket-weld end std/xs butt welding end
3000磅螺纹/承插焊端 STD/XS对焊端

RUN SIZE (主管尺寸)	OUTLET SIZE (座管尺寸)								
	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"
3/4"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	3-1/2"	5"
1"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	3-1/2"	4"	6"
1-1/4"	1-1/4"	1-1/2"	2"	2-1/2"	3"	3-1/2"	4"	5"	8"
1-1/2"~3"	2"~3"	2-1/2"	3"	3-1/2"	4"	5"	6"	8"	10"
3-1/2"~36"	3-1/2"~6"	3"	3-1/2"~5"	4"~5"	5"~6"	6"	8"	10"	12"~14"
	8"~36"	3-1/2"~4"	6"~8"	8"~10"	8"~10"	8"	10"	12"~16"	16"~18"
		5"~10"	10"~36"	12"~36"	12"~18"	10"~14"	12"~16"	20"~24"	20"~24"
		12"~36"		20"~36"	16"~36"	16"~36"	18"~36"	26"~36"	26"~36"

尺寸单位为毫米 Dimensions in Millimeters.

3000Lbs

Nom Pipe Size	Dim	H	A	A1	d	d1	D (Min)	B (Min)	B1 (Min)
1/4		25	22	32	11.2	7	3.30	10.2	11
3/8		33	25	38	14.5	9	3.51	10.4	13
1/2		38	28	41	15.7	13	4.09	13.6	14
3/4		46	35	48	20.9	16	4.32	13.9	16
1		56	44	57	26.6	20	4.98	17.3	19
1-1/4		62	51	66	35.0	28	5.28	18.0	21
1-1/2		75	54	71	40.9	30	5.56	18.4	21
2		84	64	84	52.5	40	7.14	19.2	

6000Lbs

Nom Pipe Size	Dim	H	A	A1	d	d1	D (Min)	B (Min)	B1 (Min)
1/4		33	25	38	11.2	3.0	5.66	10.2	11
3/8		38	28	41	14.5	4.7	6.98	10.4	13
1/2		46	35	48	15.7	6.3	8.15	13.6	14
3/4		56	44	57	20.9	11.1	8.53	13.9	16
1		62	51	66	16.6	15.2	9.93	17.3	19
1-1/4		75	54	71	35.0	22.8	10.59	18.0	21
1-1/2		84	64	84	40.9	27.9	11.07	18.4	21