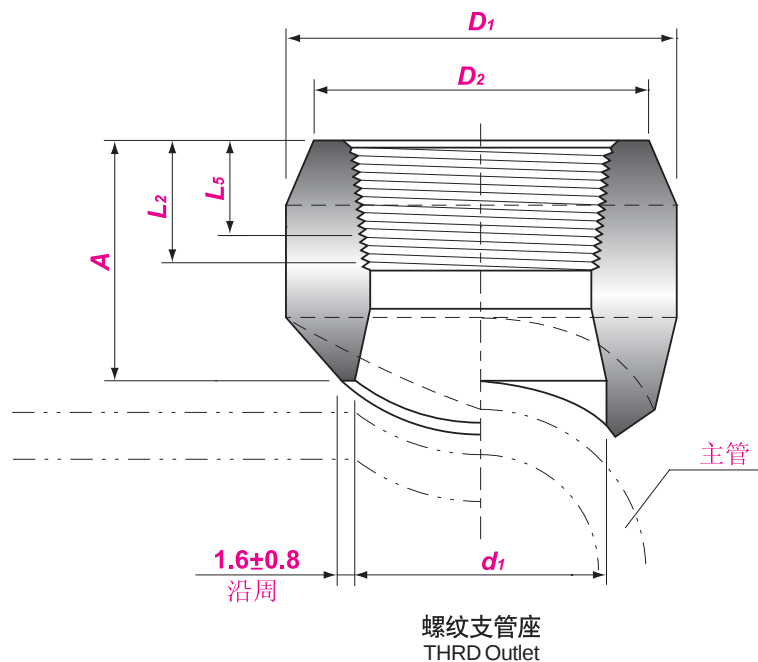



公称尺寸 Nominal Size		支管公称尺寸 Branch Nominal Size		承插孔 深度 Depth of Socket	结构长度 Face of Fitting to Crotch		本体直径 OD of Fitting		承插孔壁厚 Socket Wall Thickness		开孔直径 Cut Hole Dia.	
DN	NPS	DN	NPS	J _{min}	A _{max}		D _{1 min}		C _{min}		d _{1 nom}	
					3000	6000	3000	6000	3000	6000	3000	6000
8~900	1/4~36	6	1/8	9.5	10	-	27	-	3.18	-	16	-
10~900	3/8~36	8	1/4	9.5	10	-	27	-	3.78	-	16	-
15~900	1/2~36	10	3/8	9.5	13	-	30	-	4.01	-	19	-
20~900	3/4~36	15	1/2	9.5	16	24	38	47	4.67	5.97	24	19
25~900	1~36	20	3/4	12.5	16	25	47	53	4.90	6.96	30	25
32~900	1 1/4~36	25	1	12.5	22	29	56	63	5.69	7.92	36	33
40~900	1 1/2~36	32	1 1/4	12.5	22	30	66	74	6.07	7.92	45	38
50~900	2~36	40	1 1/2	12.5	24	32	75	83	6.35	8.92	51	49
65~900	2 1/2~36	50	2	16.0	24	37	90	104	6.93	10.92	65	59
80~900	3~36	65	2 1/2	16.0	25	-	105	-	8.76	-	76	-
100~900	4~36	80	3	16.0	30	-	124	-	9.52	-	94	-
125~900	5~36	100	4	19.0	30	-	154	-	10.69	-	121	-

公称尺寸 Nominal Size		支管公称尺寸 Branch Nominal Size		承插孔 深度 Depth of Socket	结构长度 Face of Fitting to Crotch		本体直径 OD of Fitting		承插孔壁厚 Socket Wall Thickness		开孔直径 Cut Hole Dia.	
DN	NPS	DN	NPS	J _{min}	A _{max}		D _{1 min}		C _{min}		d _{1 nom}	
					3000	6000	3000	6000	3000	6000	3000	6000
8~900	1/4~36	6	1/8	9.5	10	-	27	-	3.18	-	16	-
10~900	3/8~36	8	1/4	9.5	10	-	27	-	3.78	-	16	-
15~900	1/2~36	10	3/8	9.5	13	-	30	-	4.01	-	19	-
20~900	3/4~36	15	1/2	9.5	16	24	38	47	4.67	5.97	24	19
25~900	1~36	20	3/4	12.5	16	25	47	53	4.90	6.96	30	25
32~900	1 1/4~36	25	1	12.5	22	29	56	63	5.69	7.92	36	33
40~900	1 1/2~36	32	1 1/4	12.5	22	30	66	74	6.07	7.92	45	38
50~900	2~36	40	1 1/2	12.5	24	32	75	83	6.35	8.92	51	49
65~900	2 1/2~36	50	2	16.0	24	37	90	104	6.93	10.92	65	59
80~900	3~36	65	2 1/2	16.0	25	-	105	-	8.76	-	76	-
100~900	4~36	80	3	16.0	30	-	124	-	9.52	-	94	-
125~900	5~36	100	4	19.0	30	-	154	-	10.69	-	121	-

OUTLETS



GB/T 19326、MSS SP-97

主管公称尺寸 Run Pipes Nominal Size		支管公称尺寸 Branch Nominal Size		长度 Length		本体直径 OD of Fitting		支管端部外径 OD at End of Branch		螺纹 长度 Length of Thread	开孔直径 Cut Hole Dia.	
DN	NPS	DN	NPS	A		D _{1 min}		D _{2 min}		L _{2 min}	d _{1 nom}	
				3000	6000	3000	6000	3000	6000		3000	6000
8~900	1/4~36	6	1/8	19	—	27	—	22	—	6.7	16	—
10~900	3/8~36	8	1/4	19	—	27	—	22	—	10.2	16	—
15~900	1/2~36	10	3/8	21	—	30	—	25	—	10.4	19	—
20~900	3/4~36	15	1/2	25	32	38	45	33	42	13.6	24	19
25~900	1~36	20	3/4	27	37	47	52	39	48	13.9	30	25
32~900	1 1/4~36	25	1	33	40	56	63	48	58	17.3	36	33
40~900	1 1/2~36	32	1 1/4	33	41	66	72	58	67	18.0	45	38
50~900	2~36	40	1 1/2	35	43	75	83	64	77	18.4	51	49
65~900	2 1/2~36	50	2	38	52	90	104	77	93	19.2	65	59
80~900	3~36	65	2 1/2	46	—	105	—	94	—	28.9	76	—
100~900	4~36	80	3	51	—	124	—	114	—	30.5	94	—
125~900	5~36	100	4	57	—	154	—	140	—	33.0	121	—

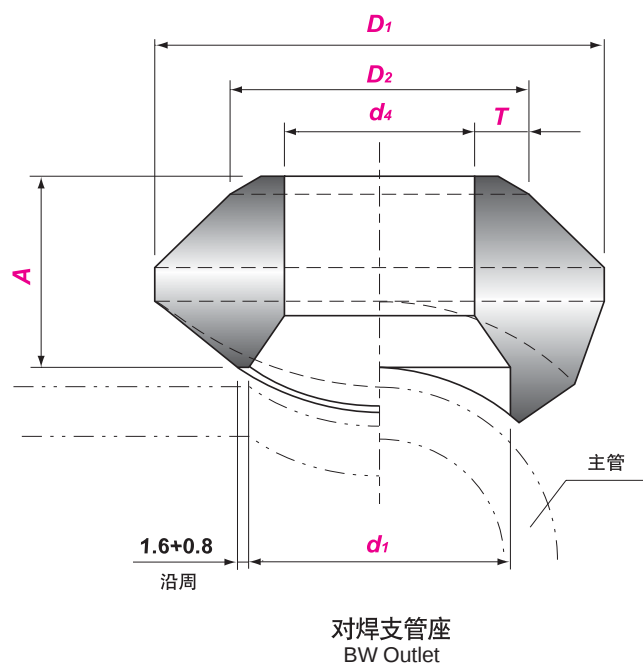
注释:

1) 端部螺纹按 GB/T 12716 (等同于 ASME B1.20.1) 中的 NPT 螺纹加工。

Note:

1) Thread shall be machined per GB/T 12716 (equivalent to ASME B1.20.1).

OUTLETS



GB/T 19326、MSS SP-97

主管公称尺寸 Run Pipes Nominal Size		支管公称尺寸 Branch Nominal Size		长度 Length			本体直径 OD of Fitting			开孔直径 Cut Hole Dia.		
DN	NPS	DN	NPS	A			$D_{2\min}$			$d_{1\text{ nom}}$		
				STD	XS	Sch160	STD	XS	SCH160	STD	XS	SCH160
8~900	1/4~36	6	1/8	16	16	—	24	24	—	16	16	—
10~900	3/8~36	8	1/4	16	16	—	26	26	—	16	16	—
15~900	1/2~36	10	3/8	19	19	—	30	30	—	19	19	—
20~900	3/4~36	15	1/2	19	19	28	36	36	36	24	24	14
25~900	1~36	20	3/4	22	22	32	43	43	46	30	30	19
32~900	1 1/4~36	25	1	27	27	38	55	55	51	36	36	25
40~900	1 1/2~36	32	1 1/4	32	32	44	66	66	63	45	45	33
50~900	2~36	40	1 1/2	33	33	51	74	74	71	51	51	38
65~900	2 1/2~36	50	2	38	38	55	90	90	82	65	65	43
80~900	3~36	65	2 1/2	41	41	62	104	104	98	76	76	54
90~900	3 1/2~36	80	3	44	44	73	124	124	122	93	93	73
100~900	4~36	90	3 1/2	48	48	—	138	138	—	113	113	—
125~900	5~36	100	4	51	51	84	154	154	154	120	120	98
150~900	6~36	125	5	57	57	94	187	187	188	141	141	122
200~900	8~36	150	6	60	78	105	213	227	222	170	170	146
250~900	10~36	200	8	70	99	—	265	292	—	220	220	—
300~900	12~36	250	10	78	94	—	323	325	—	275	265	—
350~900	14~36	300	12	86	103	—	379	381	—	325	317	—
400~900	16~36	350	14	89	100	—	411	416	—	357	351	—
450~900	18~36	400	16	94	106	—	465	468	—	408	403	—
500~900	20~36	450	18	97	111	—	522	525	—	459	455	—
550~900	22~36	500	20	102	119	—	573	584	—	508	509	—
650~900	26~36	600	24	116	140	—	690	708	—	614	612	—

注释:

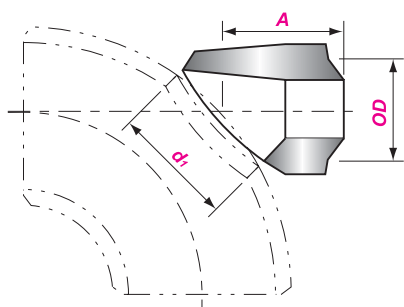
1) D_2 与支管接管外径相等、 d_4 与支管接管内径相等、 T 与支管接管壁厚相等。

2) 支管端部焊接坡口型式见 2.1 页图示。

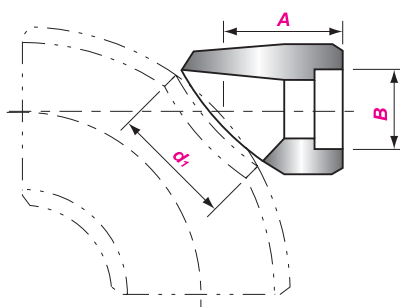
Note:

1) D_2 is same to the outside diameter of branch pipe, d_4 is same to the inside diameter of branch pipe, T is same to the wall thickness of branch pipe.

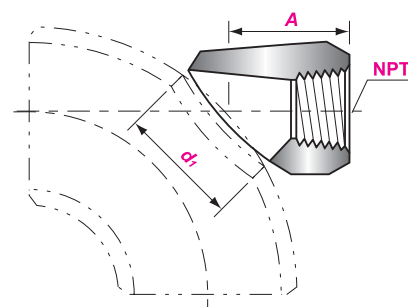
2) As fo the bevel ends of the branch pipe, please refers to the figure in the page of 21.



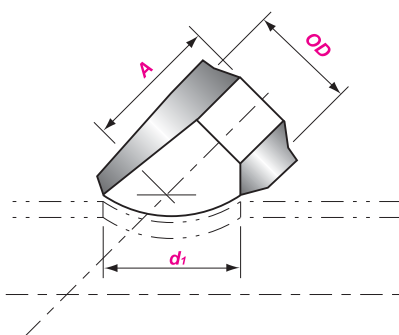
对焊弯头支管座
BW Elbolet



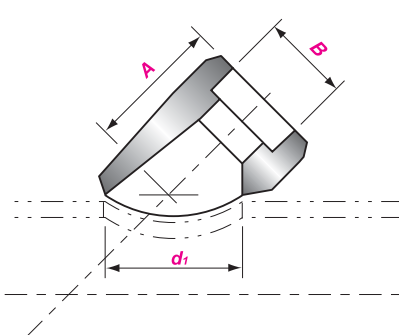
承插焊弯头支管座
SW Elbolet



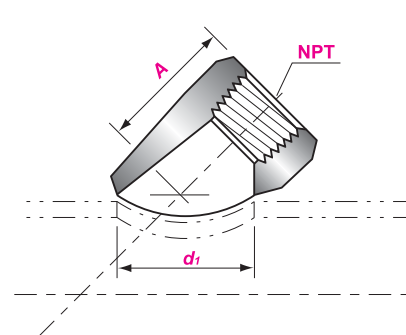
螺纹弯头支管座
THRD Elbolet



对焊 45° 支管座
BW Latrolet



承插焊 45° 支管座
SW Latrolet



螺纹 45° 支管座
THRD Latrolet

弯头支管座和 45° 支管座 ELBOLETS AND LATROLETS

主管公称尺寸 Run Pipes Nominal Size		支管公称尺寸 Branch Nominal Size		长度 Length				开孔直径 Cut Hole Dia.			
DN	NPS	DN	NPS	A				d _{1 nom}			
				对焊 BW		承插焊和螺纹 SW and THRD		对焊 BW		承插焊和螺纹 SW and THRD	
				STD、XS	Sch160	3000	6000	STD、XS	Sch160	3000	6000
20~900	3/4~36	15	1/2	45	50	45	50	31	30	31	30
25~900	1~36	20	3/4	50	58	50	58	42	40	42	40
32~900	1 1/4~36	25	1	60	70	60	70	54	50	54	50
40~900	1 1/2~36	32	1 1/4	68	76	68	76	61	58	61	58
50~900	2~36	40	1 1/2	75	83	75	83	76	66	76	66
65~900	2 1/2~36	50	2	90	98	90	98	90	83	90	83
80~900	3~36	65	2 1/2	95	105	-	-	100	95	-	-
90~900	3 1/2~36	80	3	120	130	-	-	132	115	-	-
125~900	5~36	100	4	140	150	-	-	168	150	-	-
200~900	8~36	150	6	195	210	-	-	238	225	-	-
250~900	10~36	200	8	220	-	-	-	338	-	-	-
300~900	12~36	250	10	270	-	-	-	432	-	-	-
350~900	14~36	300	12	290	-	-	-	498	-	-	-

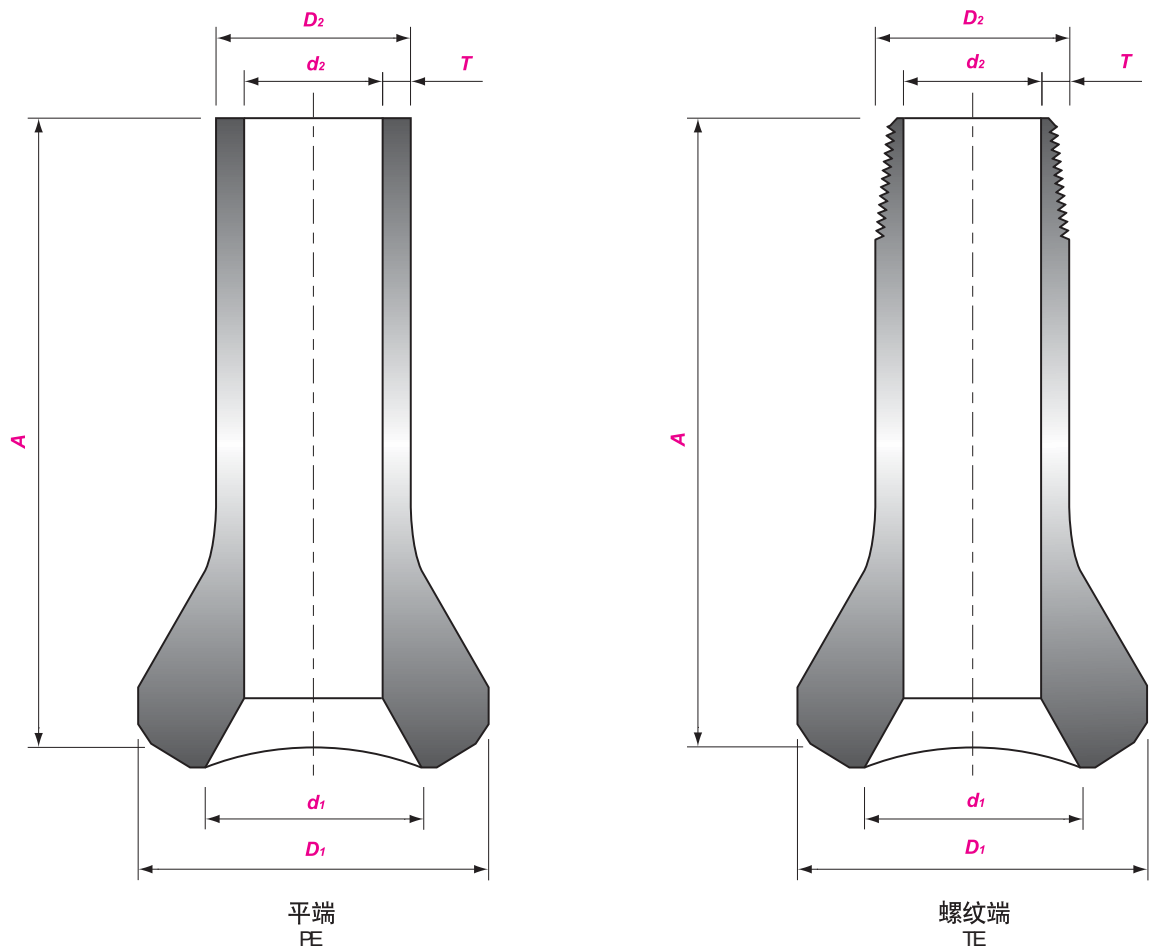
注释:

1) 其它尺寸参照 46~48 页。

Note:

1) As for other sizes, please refer to the ones in the page of 46~48.

NIPOLETS



加长支管座
NIPOLETS

主管公称尺寸 Run Pipes Nominal Size		支管公称尺寸 Branch Nominal Size		长度 Length	端部外径 OD at End	本体直径 OD of Fitting		开孔直径 Cut Hole Dia.	
DN	NPS	DN	NPS	A	D ₂	D _{1 min}		d _{1 nom}	
						XS	Sch160	XS	Sch160
20~900	3/4~36	15	1/2	89	21.3	38	47	24	19
25~900	1~36	20	3/4		26.7	47	53	30	25
32~900	1 1/4~36	25	1		33.4	56	63	36	33
40~900	1 1/2~36	32	1 1/4	89	42.2	66	72	45	38
50~900	2~36	40	1 1/2		48.3	75	83	51	49
65~900	2 1/2~36	50	2		60.3	90	104	65	59
80~900	3~36	65	2 1/2	89	73.0	105	—	76	—
90~900	3 1/2~36	80	3		88.9	124	—	94	—
125~900	5~36	100	4		114.3	154	—	121	—

注释:

1) 本产品用于支管端部与阀门连接の場合。

2) D₂的公差: DN15~40 (NPS1/2~1 1/2) 为± 0.25mm, DN50~100(NPS2~4)为± 0.5mm; T为XS或Sch160等级的壁厚, d₂ = D₂-2T。

3) 根据采购要求, 端部可加工成平头或螺纹端的型式; 其中螺纹按GB/T 12716 (等同于ASME B1.20.1) 中的NPT 螺纹加工。

4) A 尺寸亦可按采购要求加工成 114mm、140mm 及 165mm 的长度。

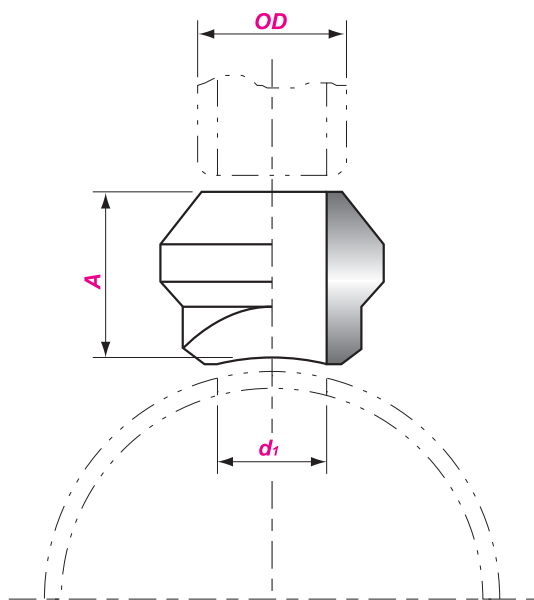
Note:

1) This nipolet is used to connect the valve at the the end of the branch pipe.

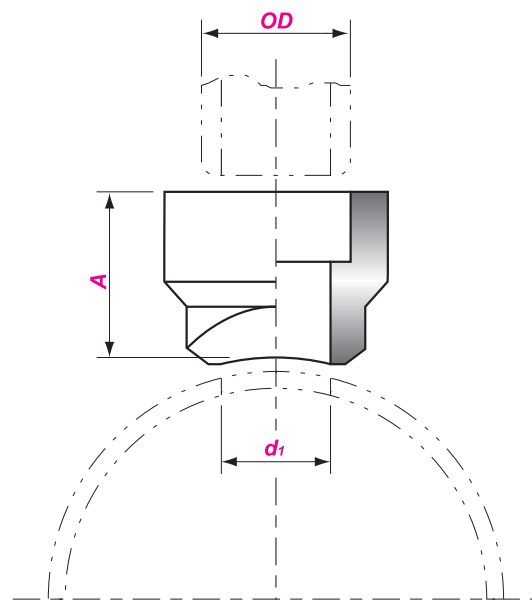
2) The tolerance of D₂ shall be as: DN15~40 (NPS1/2~11/2): ± 0.25mm, DN50~100(NPS2~4): ± 0.5mm.T is the thickness of XS or Sch160, d₁ = D₂-2T。

3) Per the purchase specification, the ends can be machined as plain or threaded type, and the thread shall be machined per GB/T 12716(equivalent to ASME B1.20.1)

4) Per the purchase specification, the size of A can be machined as 114mm、140mm and 165mm.



对焊薄壁支管座
BW Pipet



承插焊薄壁支管座
SW Pipet

薄壁支管座 PIPETS

主管公称尺寸 Run Pipes Nominal Size		支管公称尺寸 Branch Nominal Size		长度 Length		开孔直径 Cut Hole Dia.	
DN	NPS	DN	NPS	A		d_1 nom	
				对焊 BW	承插焊 SW	Sch5s	Sch10s
8~900	1/4~36	6	1/8	16	-	-	7.8
10~900	3/8~36	8	1/4	16	-	-	10.4
15~900	1/2~36	10	3/8	19	-	-	13.8
20~900	3/4~36	15	1/2	19	26	18.0	17.1
25~900	1~36	20	3/4	22	27	23.4	22.5
32~900	1 1/4~36	25	1	27	33	30.1	27.9
40~900	1 1/2~36	32	1 1/4	32	33	38.9	36.7
50~900	2~36	40	1 1/2	33	35	45.0	42.8
65~900	2 1/2~36	50	2	38	38	57.0	54.8
80~900	3~36	65	2 1/2	42	46	68.8	66.9
90~900	3 1/2~36	80	3	45	51	84.7	82.8
100~900	4~36	90	3 1/2	48	-	97.4	95.5
125~900	5~36	100	4	51	57	110.1	108.2
150~900	6~36	125	5	57	-	135.8	134.5
200~900	8~36	150	6	60	-	162.8	161.5
250~900	10~36	200	8	70	-	213.6	211.6
300~900	12~36	250	10	78	-	266.2	264.6
350~900	14~36	300	12	86	-	315.9	314.7
400~900	16~36	350	14	89	-	347.7	346.0
450~900	18~36	400	16	94	-	398.8	396.8
500~900	20~36	450	18	97	-	448.6	447.4
550~900	22~36	500	20	102	-	498.4	496.9
650~900	26~36	600	24	116	-	598.9	597.3
800~900	32~36	750	30	137	-	749.3	746.2

注释：

- 1) 薄壁支管座通常用于主管壁厚为 Sch5s 或 Sch10s 的情况。
- 2) OD 为支管接管外径；焊接坡口型式见 21 页图示。

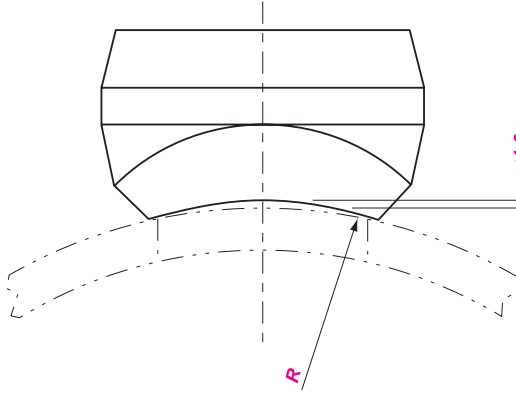
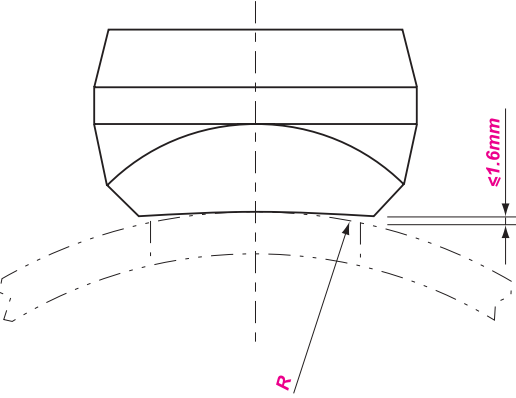
Note:

- 1) The pipets are usually used for connection when the schedule of the run pipe is Sch5s or Sch10s.
- 2) OD is the outside diameter of the connecting branch pipe. As for the bevel ends, please refer the figure in page of 21.

TOLERANCES OF OUTLETS

支管座的公差 TOLERANCES OF OUTLETS						
支管公称尺寸 Branch Nominal Size		螺纹、对焊 Outlet of THRD & BW	承插焊 SW Outlet		对焊 BW Outlet	
DN	NPS	A	B	D	D ₂	d ₄
6~20	1/8~3/4	± 0.8	+ 0.5 0	+ 1.5 0	+ 0.8 - 0.4	± 0.4
25~100	1~4	± 1.6	+ 0.5 0	+ 1.5 0	+ 0.8 - 0.4	± 0.4
125~300	5~12	± 3.2	-	-	+ 1.6 - 0.8	± 0.8
350~600	14~24	± 4.8	-	-	+ 1.6 - 0.8	± 0.8

支管座与主管之间的间隙允许偏差如下图所示。
The following figures show the allowable spacing tolerances between outlet and the running pipe:



支管座的级别与主管壁厚的关系 CLASS OF OUTLETS VS SCHEDULE OF THE CONNECTING RUN PIPE				
支管公称尺寸 Branch Nominal Size		连接形式 Type	支管座的级别 Class of Outlet	适用的主管壁厚 Schedule of the Connecting Run Pipe
DN	NPS			
6~100	1/8~4	承插焊、螺纹 Socket Welding & Threaded	3000	XS
15~50	1/2~2	承插焊、螺纹 Socket Welding & Threaded	6000	SCH160
6~600	1/8~24	对焊 Buttwelding	STD	STD
6~600	1/8~24	对焊 Buttwelding	XS	XS
15~150	1/2~6	对焊 Buttwelding	SCH160	SCH160

注释：
1) 当支管或主管的厚度超出本表规定时，经制造商和采购方协商，支管座可以制成特殊的厚度、尺寸和形状。

Note:
1) When the schedule of branch or running pipe is out of the scope indicated in the above table, the outlet can be fabricated with special thickness, size and configuration on the basis of the agreement between purchaser and manufacturer.