



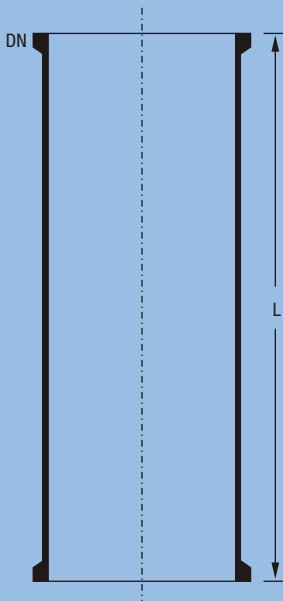
## PIPELINE COMPONENTS

Borosilicate glass pipeline components found universal used in the chemical, pharmaceutical and allied industries together with other applications e.g. food and drink production because of its following individuality.

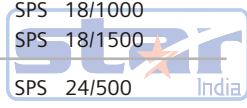
- With almost universal resistance to corrosion, a long service is guaranteed and maintenance is kept to minimize.
- Their transparency permits visual monitoring of the process at all times.
- Being inert, the risk of contamination is negligible.
- Smooth surfaces allow easy cleaning and sterilization and prevent the build-up of solids on the inner wall.

### PIPE SECTIONS

DN	L	CAT. REF.	
25	75	SPS 1/75	
	100	SPS 1/100	
	125	SPS 1/125	
	150	SPS 1/150	
	175	SPS 1/175	
	200	SPS 1/200	
	300	SPS 1/300	
	400	SPS 1/400	
	500	SPS 1/500	
	700	SPS 1/700	
	1000	SPS 1/1000	
	1500	SPS 1/1500	
	40	100	SPS 1.5/100
125		SPS 1.5/125	
150		SPS 1.5/150	
175		SPS 1.5/175	
200		SPS 1.5/200	
300		SPS 1.5/300	
400		SPS 1.5/400	
500		SPS 1.5/500	
700		SPS 1.5/700	
1000		SPS 1.5/1000	
1500		SPS 1.5/1500	
50		100	SPS 2/100
		125	SPS 2/125
	150	SPS 2/150	
	175	SPS 2/175	
	200	SPS 2/200	
	300	SPS 2/300	
	400	SPS 2/400	
	500	SPS 2/500	
	700	SPS 2/700	
	1000	SPS 2/1000	
	1500	SPS 2/1500	
	80	125	SPS 3/125
		150	SPS 3/150
175		SPS 3/175	
200		SPS 3/200	
300		SPS 3/300	
400		SPS 3/400	
500		SPS 3/500	
700		SPS 3/700	
1000		SPS 3/1000	
1500		SPS 3/1500	



DN	L	CAT. REF.
100	150	SPS 4/150
	175	SPS 4/175
	200	SPS 4/200
	300	SPS 4/300
	400	SPS 4/400
	500	SPS 4/500
	700	SPS 4/700
	1000	SPS 4/1000
150	150	SPS 6/150
	175	SPS 6/175
	200	SPS 6/200
	300	SPS 6/300
	400	SPS 6/400
	500	SPS 6/500
	700	SPS 6/700
	1000	SPS 6/1000
225	300	SPS 9/300
	500	SPS 9/500
	1000	SPS 9/1000
	1500	SPS 9/1500
300	300	SPS 12/300
	500	SPS 12/500
	1000	SPS 12/1000
	1500	SPS 12/1500
450	500	SPS 18/500
	1000	SPS 18/1000
	1500	SPS 18/1500
600	500	SPS 24/500
	1000	SPS 24/1000
	1500	SPS 24/1500

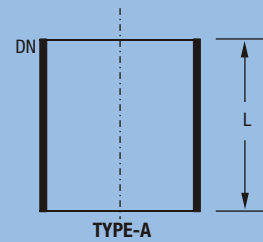


## SPACERS

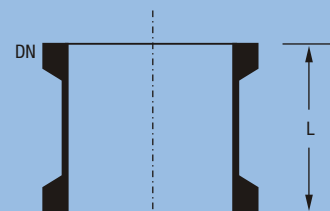
Spacers are used to make up small increments in length and are fitted between standard buttress end components. When incorporating spacers, longer coupling bolts are required together with an additional gasket.

Spacers are available in PTFE too.

DN	L	CAT. REF.
25	5	SSS 1/5
	15	SSS 1/15
	25	SSS 1/25
	50	SSS 1/50
40	5	SSS 1.5/5
	15	SSS 1.5/15
	25	SSS 1.5/25
	50	SSS 1.5/50
	75	SSS 1.5/75
50	5	SSS 2/5
	15	SSS 2/15
	25	SSS 2/25
	75	SSS 2/75
80	10	SSS 3/10
	20	SSS 3/20
	50	SSS 3/50
	75	SSS 3/75
	100	SSS 3/100

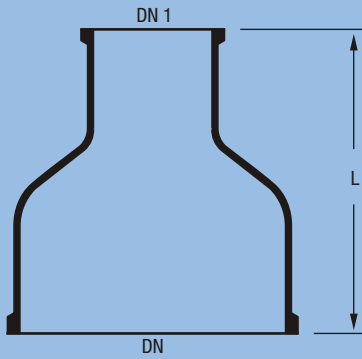


TYPE-A



TYPE-B

## CONCENTRIC REDUCERS

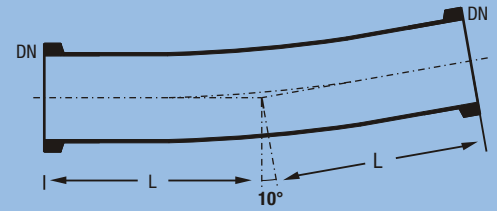


DN	DN1	L	CAT REF.
40	25	100	SPR 1.5/1
50	25	100	SPR 2/1
	40	100	SPR 2/1.5
80	25	125	SPR 3/1
	40	125	SPR 3/1.5
	50	125	SPR 3/2
100	25	150	SPR 4/1
	40	150	SPR 4/1.5
	50	150	SPR 4/2
	80	150	SPR 4/3
150	25	200	SPR 6/1
	40	200	SPR 6/1.5
	50	200	SPR 6/2
	80	200	SPR 6/3
	100	200	SPR 6/4
225	25	250	SPR 9/1
	40	250	SPR 9/1.5
	50	250	SPR 9/2
	80	250	SPR 9/3
	100	250	SPR 9/4
	150	250	SPR 9/6
300	25	275	SPR 12/1
	40	275	SPR 12/1.5
	50	275	SPR 12/2
	80	275	SPR 12/3
	100	275	SPR 12/4
	150	275	SPR 12/6
	225	275	SPR 12/9
400	25	350	SPR 16/1
	40	350	SPR 16/1.5
	50	350	SPR 16/2
	80	350	SPR 16/3
	100	350	SPR 16/4
	150	350	SPR 16/6
	225	350	SPR 16/9
	300	350	SPR 16/12
450	25	325	SPR 18/1
	40	350	SPR 18/1.5
	50	375	SPR 18/2
	80	375	SPR 18/3
	100	375	SPR 18/4
	150	375	SPR 18/6
	225	375	SPR 18/9
	300	375	SPR 18/12
600	50	350	SPR 24/2
	100	400	SPR 24/4
	150	400	SPR 24/6
	225	425	SPR 24/9
	300	425	SPR 24/12
	450	475	SPR 24/18



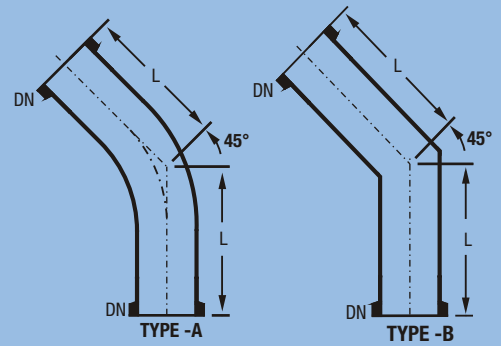
### 10° BENDS

DN	L	CAT. REF.
25	50	SPB 1/10°
40	75	SPB 1.5/10°



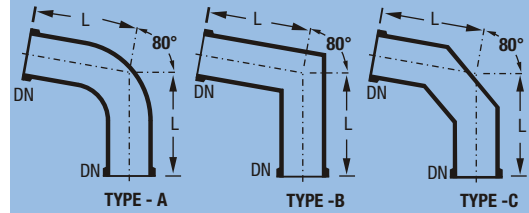
### 45° BENDS

DN	L	TYPE	CAT. REF.
25	75	A	SPB 1/45°
40	100	A	SPB 1.5/45°
50	100	A	SPB 2/45°
80	125	B	SPB 3/45°
100	175	B	SPB 4/45°
150	200	B	SPB 6/45°
225	225	B	SPB 9/45°
300	275	B	SPB 12/45°



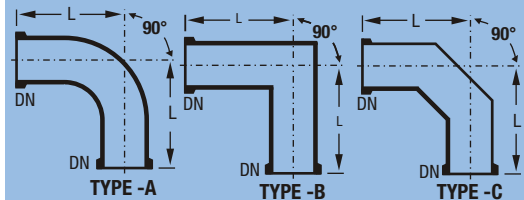
### 80° BENDS

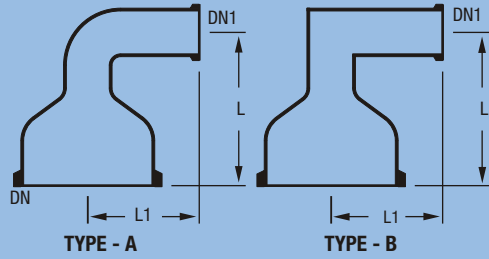
DN	L	TYPE	CAT. REF.
25	100	A	SPB 1/80°
40	150	A	SPB 1.5/80°
50	150	A	SPB 2/80°
80	200	B/C	SPB 3/80°
100	250	B/C	SPB 4/80°
150	250	B/C	SPB 6/80°
225	375	B/C	SPB 9/80°
300	450	B/C	SPB 12/80°



### 90° BENDS

DN	L	TYPE	CAT. REF.
25	100	A	SPB 1/90°
40	150	A	SPB 1.5/90°
50	150	A	SPB 2/90°
80	200	B/C	SPB 3/90°
100	250	B/C	SPB 4/90°
150	250	B/C	SPB 6/90°
225	375	B/C	SPB 9/90°
300	450	B/C	SPB 12/90°
450	600	B/C	SPB 18/90°

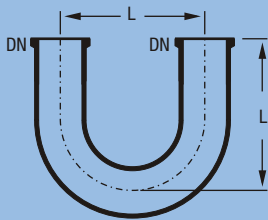




\*SBPR are also available in 45°, 80° & 100° on request.

### 90° BENDS REDUCERS

DN	DN1	L	L1	TYPE	CAT. REF.
40	25	150	125	A	SPBR 1.5/1
50	40	150	150	A	SPBR 2/1.5
80	50	150	150	A	SPBR 3/2
100	50	200	150	B	SPBR 4/2
100	80	200	175	B	SPBR 4/3
150	50	200	150	B	SPBR 6/2
150	80	250	175	B	SPBR 6/3
225	80	250	175	B	SPBR 9/3
300	80	300	175	B	SPBR 12/3
300	150	450	250	B	SPBR 12/6
450	150	450	250	B	SPBR 18/6

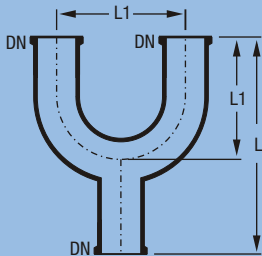


### U BENDS

DN	L	CAT. REF.
25	140	SPU 1
40	180	SPU 1.5
50	180	SPU 2
80	230	SPU 3



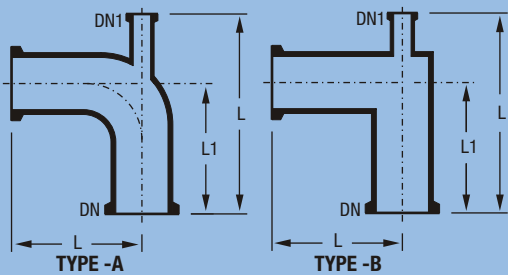
### U BENDS WITH BOTTOM OUTLET



DN	L	L1	CAT. REF.
25	210	140	SPUO 1
40	270	180	SPUO 1.5
50	280	180	SPUO 2
40/25	270	180	SPUO 1.5/1
50/25	280	180	SPUO 2/1

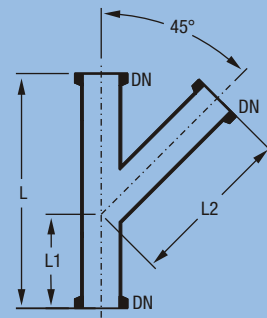
### 90° BENDS WITH THERMOMETER BRANCH

DN	DN1	L	L1	TYPE	CAT. REF.
40	25	225	150	A	SPBT 1.5
50	25	225	150	A	SPBT 2
80	25	280	200	A	SPBT 3
100	25	330	250	B	SPBT 4
150	25	340	250	B	SPBT 6
225	25	480	375	B	SPBT 9
300	25	550	450	B	SPBT 12



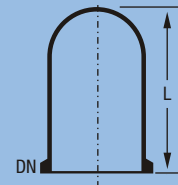
## Y - PIECES

DN	L	L1	L2	CAT. REF.
25	200	75	150	SPY 1
40	250	100	175	SPY 1.5
50	300	125	200	SPY 2
80	350	150	250	SPY 3
100	450	150	350	SPY 4



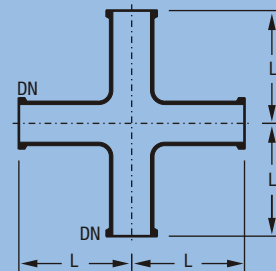
## CLOSURES

DN	L	CAT. REF.
25	40	SPBE 1
40	50	SPBE 1.5
50	65	SPBE 2
80	75	SPBE 3
100	100	SPBE 4
150	125	SPBE 6
225	125	SPBE 9
300	150	SPBE 12



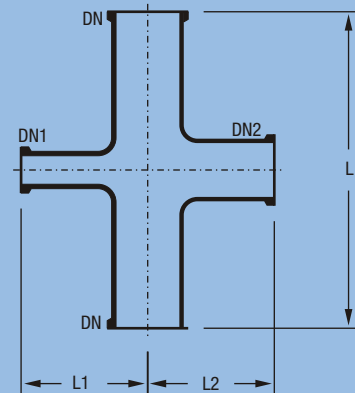
## EQUAL CROSSES

DN	L	CAT. REF.
25	100	SPX 1
40	150	SPX 1.5
50	150	SPX 2
80	200	SPX 3
100	250	SPX 4
150	250	SPX 6

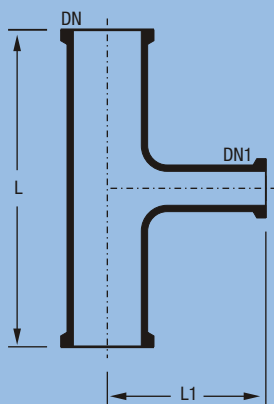
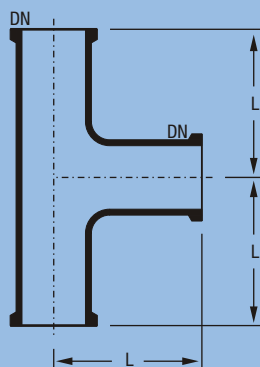
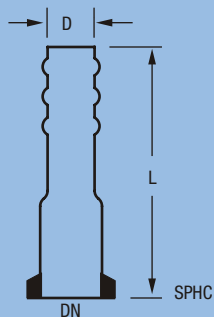
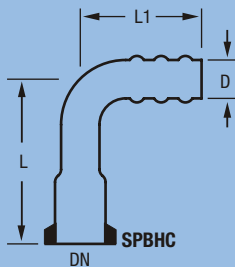


## UNEQUAL CROSSES

DN	DN1	DN2	L	L1	L2	CAT. REF.
50	25	25	200	80	80	SPXU 2/1/1
	40	25	200	80	100	SPXU 2/1.5/1
80	25	25	250	100	100	SPXU 3/1/1
	40	25	250	100	100	SPXU 3/1.5/1
	50	25	250	100	115	SPXU 3/2/1
100	25	25	250	110	110	SPXU 4/1/1
	40	25	250	110	125	SPXU 4/1.5/1
	50	25	250	110	125	SPXU 4/2/1
	80	25	300	150	150	SPXU 4/3/1
150	40	25	250	150	150	SPXU 6/1.5/1
	50	25	250	150	150	SPXU 6/2/1
	80	50	300	150	175	SPXU 6/3/2
	100	50	300	150	200	SPXU 6/4/2
225	40	40	300	185	185	SPXU 9/1.5/1.5
	50	40	300	185	185	SPXU 9/2/1.5
	80	40	300	185	210	SPXU 9/3/1.5
	100	50	450	185	250	SPXU 9/4/2
	150	80	450	210	275	SPXU 9/6/3
300	50	40	400	230	230	SPXU 12/2/1.5
	80	40	400	230	275	SPXU 12/3/1.5
	100	40	400	230	275	SPXU 12/4/1.5
	150	50	450	230	300	SPXU 12/6/2
	225	80	600	275	300	SPXU 12/9/3



## HOSE CONNECTORS



DN	D	L	L1	CAT. REF.
25	12	80	60	SPBHC 1/0.5
25	15	80	60	SPBHC 1/0.5
25	19	80	60	SPBHC 1/0.75
25	26	100	75	SPBHC 1/1
40	26	100	75	SPBHC 1.5/1

DN	D	L	CAT. REF.
25	12	90	SPHC 1/0.5
25	15	90	SPHC 1/0.5
25	19	90	SPHC 1/0.75
25	26	100	SPHC 1/1
40	26	100	SPHC 1.5/1

\*D is the bore of the matching hose.

## EQUAL TEE

DN	L	CAT. REF.
25	100	SPT 1
40	150	SPT 1.5
50	150	SPT 2
80	200	SPT 3
100	250	SPT 4
150	250	SPT 6
225	375	SPT 9
300	450	SPT 12

## UNEQUAL TEE

DN	DN1	L	L1	CAT. REF.
40	25	200	75	SPTU 1.5/1
50	25	200	80	SPTU 2/1
	40	200	100	SPTU 2/1.5
80	25	250	100	SPTU 3/1
	40	250	115	SPTU 3/1.5
	50	250	115	SPTU 3/2
100	25	250	110	SPTU 4/1
	40	250	125	SPTU 4/1.5
	50	250	125	SPTU 4/2
	80	300	150	SPTU 4/3
150	25	250	150	SPTU 6/1
	40	250	150	SPTU 6/1.5
	50	250	150	SPTU 6/2
	80	300	175	SPTU 6/3
	100	300	200	SPTU 6/4



Contd..

225	25	300	185	SPTU 9/1
	40	300	185	SPTU 9/1.5
	50	300	190	SPTU 9/2
	80	300	210	SPTU 9/3
	100	450	250	SPTU 9/4
300	25	400	230	SPTU 12/1
	40	400	230	SPTU 12/1.5
	50	400	230	SPTU 12/2
	80	400	275	SPTU 12/3
	100	400	275	SPTU 12/4
	150	450	300	SPTU 12/6
	225	600	300	SPTU 12/9
400	40	400	275	SPTU 16/1.5
	50	400	275	SPTU 16/2
	80	400	300	SPTU 16/3
	100	400	300	SPTU 16/4
	150	500	350	SPTU 16/6
	225	800	450	SPTU 16/9
	300	800	450	SPTU 16/12
	450	40	400	300
50		400	300	SPTU 18/2
80		400	320	SPTU 18/3
100		400	320	SPTU 18/4
150		600	380	SPTU 18/6
225		800	400	SPTU 18/9
300		800	400	SPTU 18/12
600	100	600	450	SPTU 24/4
	150	600	450	SPTU 24/6
	225	800	525	SPTU 24/9
	300	800	525	SPTU 24/12

