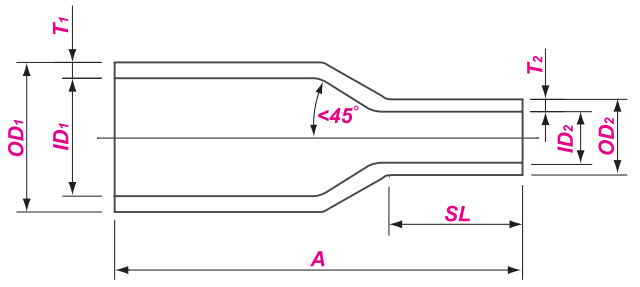
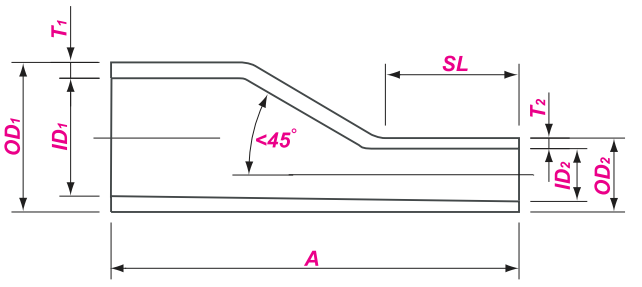
SWAGED NIPPLES



Concentric Swaged Nipple



Eccentric Swaged Nipple

MSS SP-95、SH/T 3419

Nominal Size		OD at End	Length of Small End	End to End
DN	NPS	$OD_1 \times OD_2$	SL_{min}	A
8 × 6	1/4 × 1/8	13.7 × 10.3	20	57
10 × 6	3/8 × 1/8	17.1 × 10.3	20	64
10 × 8	3/8 × 1/4	17.1 × 13.7	20	
15 × 6	1/2 × 1/8	21.3 × 10.3	20	
15 × 8	1/2 × 1/4	21.3 × 13.7	20	70
15 × 10	1/2 × 3/8	21.3 × 17.1	20	
20 × 6	3/4 × 1/8	26.7 × 10.3	20	
20 × 8	3/4 × 1/4	26.7 × 13.7	20	76
20 × 10	3/4 × 3/8	26.7 × 17.1	22	
20 × 15	3/4 × 1/2	26.7 × 21.3	22	
25 × 6	1 × 1/8	33.4 × 10.3	20	
25 × 8	1 × 1/4	33.4 × 13.7	20	
25 × 10	1 × 3/8	33.4 × 17.1	22	89
25 × 15	1 × 1/2	33.4 × 21.3	22	
25 × 20	1 × 3/4	33.4 × 26.7	22	
32 × 6	1¼ × 1/8	42.2 × 10.3	20	
32 × 8	1¼ × 1/4	42.2 × 13.7	20	
32 × 10	1¼ × 3/8	42.2 × 17.1	22	102
32 × 15	1¼ × 1/2	42.2 × 21.3	22	
32 × 20	1¼ × 3/4	42.2 × 26.7	25	
32 × 25	1¼ × 1	42.2 × 33.4	25	
40 × 6	1½ × 1/8	48.3 × 10.3	20	
40 × 8	1½ × 1/4	48.3 × 13.7	20	
40 × 10	1½ × 3/8	48.3 × 17.1	22	
40 × 15	1½ × 1/2	48.3 × 21.3	25	114
40 × 20	1½ × 3/4	48.3 × 26.7	25	
40 × 25	1½ × 1	48.3 × 33.4	25	
40 × 32	1½ × 1¼	48.3 × 42.2	25	
50 × 6	2 × 1/8	60.3 × 10.3	20	
50 × 8	2 × 1/4	60.3 × 13.7	22	
50 × 10	2 × 3/8	60.3 × 17.1	22	
50 × 15	2 × 1/2	60.3 × 21.3	25	
50 × 20	2 × 3/4	60.3 × 26.7	30	165
50 × 25	2 × 1	60.3 × 33.4	30	
50 × 32	2 × 1¼	60.3 × 42.2	30	
50 × 40	2 × 1½	60.3 × 48.3	30	

Nominal Size		OD at End	Length of Small End	End to End
DN	NPS	$OD_1 \times OD_2$	SL_{min}	A
65 × 6	2½ × 1/8	73.0 × 10.3	22	
65 × 8	2½ × 1/4	73.0 × 13.7	22	
65 × 10	2½ × 3/8	73.0 × 17.1	22	
65 × 15	2½ × 1/2	73.0 × 21.3	25	
65 × 20	2½ × 3/4	73.0 × 26.7	25	178
65 × 25	2½ × 1	73.0 × 33.4	30	
65 × 32	2½ × 1¼	73.0 × 42.2	30	
65 × 40	2½ × 1½	73.0 × 48.3	40	
65 × 50	2½ × 2	73.0 × 60.3	40	
80 × 6	3 × 1/8	88.9 × 10.3	22	
80 × 8	3 × 1/4	88.9 × 13.7	22	
80 × 10	3 × 3/8	88.9 × 17.1	22	
80 × 15	3 × 1/2	88.9 × 21.3	25	
80 × 20	3 × 3/4	88.9 × 26.7	25	203
80 × 25	3 × 1	88.9 × 33.4	30	
80 × 32	3 × 1¼	88.9 × 42.2	30	
80 × 40	3 × 1½	88.9 × 48.3	40	
80 × 50	3 × 2	88.9 × 60.3	40	
80 × 65	3 × 2½	88.9 × 73.0	40	
90 × 6	3½ × 1/8	101.6 × 10.3	22	
90 × 8	3½ × 1/4	101.6 × 13.7	22	
90 × 10	3½ × 3/8	101.6 × 17.1	22	
90 × 15	3½ × 1/2	101.6 × 21.3	25	
90 × 20	3½ × 3/4	101.6 × 26.7	25	
90 × 25	3½ × 1	101.6 × 33.4	30	203
90 × 32	3½ × 1¼	101.6 × 42.2	30	
90 × 40	3½ × 1½	101.6 × 48.3	40	
90 × 50	3½ × 2	101.6 × 60.3	40	
90 × 65	3½ × 2½	101.6 × 73.0	40	
90 × 80	3½ × 3	101.6 × 88.9	40	
100 × 8	4 × 1/4	114.3 × 13.7	25	
100 × 10	4 × 3/8	114.3 × 17.1	25	
100 × 15	4 × 1/2	114.3 × 21.3	25	229
100 × 20	4 × 3/4	114.3 × 26.7	30	
100 × 25	4 × 1	114.3 × 33.4	30	
100 × 32	4 × 1¼	114.3 × 42.2	40	

SWAGED NIPPLES

Nominal Size		OD at End	Length of Small End	End to End
DN	NPS	$OD_1 \times OD_2$	SL_{min}	A
100 × 40	4 × 1½	114.3 × 48.3	40	229
100 × 50	4 × 2	114.3 × 60.3	45	
100 × 65	4 × 2½	114.3 × 73.0	45	
100 × 80	4 × 3	114.3 × 88.9	45	
100 × 90	4 × 3½	114.3 × 101.6	45	
125 × 8	5 × 1/4	141.3 × 13.7	25	279
125 × 10	5 × 3/8	141.3 × 17.1	25	
125 × 15	5 × 1/2	141.3 × 21.3	25	
125 × 20	5 × 3/4	141.3 × 26.7	30	
125 × 25	5 × 1	141.3 × 33.4	30	
125 × 32	5 × 1¼	141.3 × 42.2	40	
125 × 40	5 × 1½	141.3 × 48.3	40	
125 × 50	5 × 2	141.3 × 60.3	45	
125 × 65	5 × 2½	141.3 × 73.0	45	
125 × 80	5 × 3	141.3 × 88.9	45	
125 × 90	5 × 3½	141.3 × 101.6	45	
125 × 100	5 × 4	141.3 × 114.3	50	
150 × 15	6 × 1/2	168.3 × 21.3	30	304
150 × 20	6 × 3/4	168.3 × 26.7	30	
150 × 25	6 × 1	168.3 × 33.4	40	
150 × 32	6 × 1¼	168.3 × 42.2	40	
150 × 40	6 × 1½	168.3 × 48.3	45	
150 × 50	6 × 2	168.3 × 60.3	45	
150 × 65	6 × 2½	168.3 × 73.0	45	
150 × 80	6 × 3	168.3 × 88.9	45	
150 × 90	6 × 3½	168.3 × 101.6	50	
150 × 100	6 × 4	168.3 × 114.3	50	
150 × 125	6 × 5	168.3 × 141.3	60	

Nominal Size		OD at End	Length of Small End	End to End
DN	NPS	$OD_1 \times OD_2$	SL_{min}	A
200 × 25	8 × 1	219.1 × 33.4	40	330
200 × 32	8 × 1¼	219.1 × 42.2	40	
200 × 40	8 × 1½	219.1 × 48.3	45	
200 × 50	8 × 2	219.1 × 60.3	45	
200 × 65	8 × 2½	219.1 × 73.0	45	
200 × 80	8 × 3	219.1 × 88.9	50	
200 × 90	8 × 3½	219.1 × 101.6	50	
200 × 100	8 × 4	219.1 × 114.3	50	
200 × 125	8 × 5	219.1 × 141.3	60	
200 × 150	8 × 6	219.1 × 168.3	60	
250 × 50	10 × 2	273.0 × 60.3	45	381
250 × 65	10 × 2½	273.0 × 73.0	45	
250 × 80	10 × 3	273.0 × 88.9	50	
250 × 90	10 × 3½	273.0 × 101.6	50	
250 × 100	10 × 4	273.0 × 114.3	60	
250 × 125	10 × 5	273.0 × 141.3	60	
250 × 150	10 × 6	273.0 × 168.3	65	
250 × 200	10 × 8	273.0 × 219.1	65	
300 × 50	12 × 2	323.8 × 60.3	50	406
300 × 65	12 × 2½	323.8 × 73.0	50	
300 × 80	12 × 3	323.8 × 88.9	60	
300 × 90	12 × 3½	323.8 × 101.6	60	
300 × 100	12 × 4	323.8 × 114.3	65	
300 × 125	12 × 5	323.8 × 141.3	65	
300 × 150	12 × 6	323.8 × 168.3	65	
300 × 200	12 × 8	323.8 × 219.1	70	
300 × 250	12 × 10	323.8 × 273.0	70	

Note:
1) If ordering per SH/T 3419,the outside diameter specified in SH/T 3405 《tube outside diameter in petrochemical industry》 shall be applied.

TOLERANCES OF SWAGED NIPPLES

Nominal Size		OD at End		ID at End	End to End	Wall
DN	NPS	OD		ID	A	T
		Plain End	Other Ends			
6～10	1/8～3/8	+0.4 −0.8	±0.8	±0.8	±1.6	Not less than 87.5% Nominal Wall Thickness
15～40	1/2～1½	+0.4 −0.8	+1.6 −0.8	±0.8	±1.6	
50～65	2～2½	±0.8	+1.6 −0.8	±0.8	±3.2	
80～100	3～4	±0.8	±1.6	±1.6	±3.2	
125～150	5～6	+2.4 −1.6	+2.4 −1.6	±1.6	±4.8	
200～300	8～12	+4.0 −3.2	+4.0 −3.2	±3.2	±6.4	