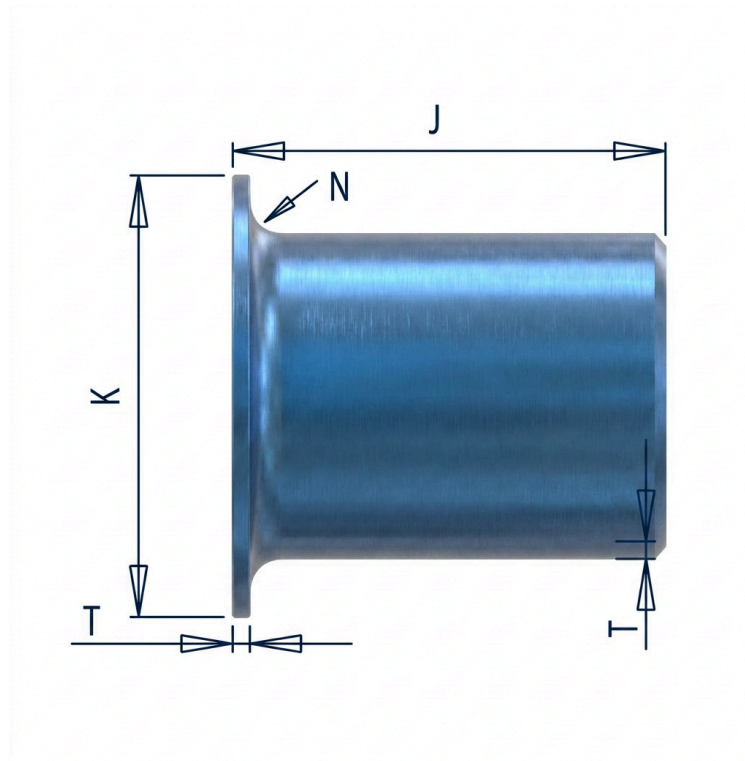


Stub Ends

Butt-Weld Fittings · MSS Type A, Long Pattern · All Material Grades



AVAILABLE SCHEDULES

STD

XS

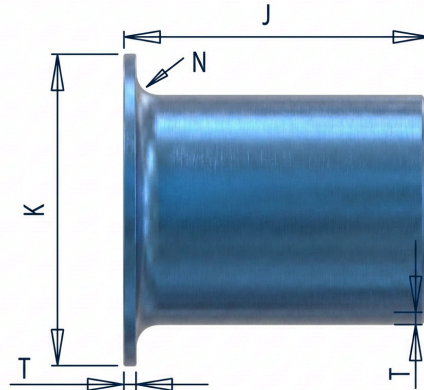
40

80

160

XXS

Stub End — Schedule STD



MSS TYPE A — LONG PATTERN — SCHEDULE STD

Nom. Pipe Size	Outside Dia. (Max.)	Outside Dia. (Min.)	Wall & Lap Thickness	Lap Diameter	Fillet Radius	Overall Length (Long)	Pipe Schedule Number	Approx. Weight in Pounds
			T	K	N	J		Lbs.
1/2	0.896	0.809	0.109	1.38	0.12	3.00	40	0.30
3/4	1.106	1.019	0.113	1.69	0.12	3.00	40	0.40
1	1.376	1.284	0.133	2.00	0.12	4.00	40	0.75
1 1/4	1.716	1.629	0.140	2.50	0.19	4.00	40	1.10
1 1/2	1.965	1.869	0.145	2.88	0.25	4.00	40	1.25
2	2.456	2.344	0.154	3.62	0.31	6.00	40	2.25
2 1/2	2.966	2.844	0.203	4.12	0.31	6.00	40	3.50
3	3.596	3.469	0.216	5.00	0.38	6.00	40	4.75
3 1/2	4.096	3.969	0.226	5.50	0.38	6.00	40	6.00
4	4.593	4.469	0.237	6.19	0.44	6.00	40	7.25
5	5.683	5.532	0.258	7.31	0.44	8.00	40	12.00
6	6.743	6.594	0.280	8.50	0.50	8.00	40	16.00
8	8.743	8.594	0.322	10.62	0.50	8.00	40	23.00
10	10.913	10.719	0.365	12.75	0.50	10.00	40	36.00
12	12.913	12.719	0.375	15.00	0.50	10.00	*	47.00
14	14.170	13.969	0.375	16.25	0.50	12.00	30	35.40
16	16.180	15.969	0.375	18.50	0.50	12.00	30	44.80
18	18.190	17.969	0.375	21.00	0.50	12.00	*	57.20
20	20.240	19.969	0.375	23.00	0.50	12.00	20	71.00
24	24.240	23.969	0.375	27.25	0.50	12.00	20	102.00

DIMENSIONS ARE IN INCHES | WEIGHTS ARE IN POUNDS

(A) Manufactured to MSS Type A, long pattern, stub end dimensions.

(B) Available in all material grades.

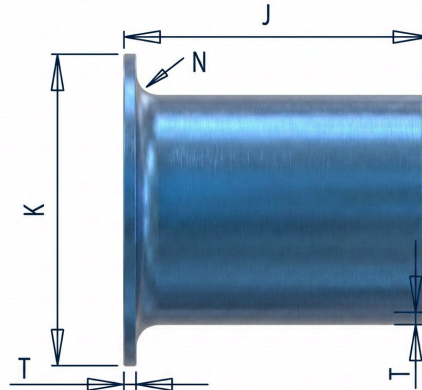
(C) All weights are estimates.

(D) For sizes larger than 24" please call.

* This size and wall thickness are not associated with a standard pipe schedule.



Stub End — Schedule XS



MSS TYPE A — LONG PATTERN — SCHEDULE XS

Nom. Pipe Size	Outside Dia. (Max.)	Outside Dia. (Min.)	Wall & Lap Thickness	Lap Diameter	Fillet Radius	Overall Length (Long)	Pipe Schedule Number	Approx. Weight in Pounds
			T	K	N	J		Lbs.
1/2	0.896	0.809	0.147	1.38	0.12	3.00	80	0.38
3/4	1.106	1.019	0.154	1.69	0.12	3.00	80	0.51
1	1.376	1.284	0.179	2.00	0.12	4.00	80	1.00
1 1/4	1.716	1.629	0.191	2.50	0.19	4.00	80	1.25
1 1/2	1.965	1.869	0.200	2.88	0.25	4.00	80	1.75
2	2.456	2.344	0.218	3.62	0.31	6.00	80	3.00
2 1/2	2.966	2.844	0.276	4.12	0.31	6.00	80	4.50
3	3.596	3.469	0.300	5.00	0.38	6.00	80	6.50
3 1/2	4.096	3.969	0.318	5.50	0.38	6.00	80	7.75
4	4.593	4.469	0.337	6.19	0.44	6.00	80	9.50
5	5.683	5.532	0.375	7.31	0.44	8.00	80	17.00
6	6.743	6.594	0.432	8.50	0.50	8.00	80	23.00
8	8.743	8.594	0.500	10.62	0.50	8.00	80	32.00
10	10.913	10.719	0.500	12.75	0.50	10.00	60	53.00
12	12.913	12.719	0.500	15.00	0.50	10.00	*	62.00
14	14.170	13.969	0.500	16.25	0.50	12.00	*	89.00
16	16.180	15.969	0.500	18.50	0.50	12.00	40	96.00
18	18.190	17.969	0.500	21.00	0.50	12.00	*	112.00
20	20.240	19.969	0.500	23.00	0.50	12.00	30	125.00
24	24.240	23.969	0.500	27.25	0.50	12.00	*	151.00

DIMENSIONS ARE IN INCHES | WEIGHTS ARE IN POUNDS

(A) Manufactured to MSS Type A, long pattern, stub end dimensions.

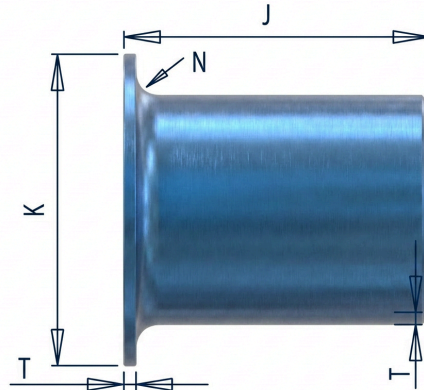
(B) Available in all material grades.

(C) All weights are estimates.

(D) For sizes larger than 24" please call.

* This size and wall thickness are not associated with a standard pipe schedule.

Stub End — Schedule 40



MSS TYPE A — LONG PATTERN — SCHEDULE 40

Nom. Pipe Size	Outside Dia. (Max.)	Outside Dia. (Min.)	Wall & Lap Thickness	Lap Diameter	Fillet Radius	Overall Length (Long)	Pipe Schedule Number	Approx. Weight in Pounds
			T	K	N	J		Lbs.
1/2	0.896	0.809	0.109	1.38	0.12	3.00	40	0.30
3/4	1.106	1.019	0.113	1.69	0.12	3.00	40	0.40
1	1.376	1.284	0.133	2.00	0.12	4.00	40	0.75
1 1/4	1.716	1.629	0.140	2.50	0.19	4.00	40	1.10
1 1/2	1.965	1.869	0.145	2.88	0.25	4.00	40	1.25
2	2.456	2.344	0.154	3.62	0.31	6.00	40	2.25
2 1/2	2.966	2.844	0.203	4.12	0.31	6.00	40	3.50
3	3.596	3.469	0.216	5.00	0.38	6.00	40	4.75
3 1/2	4.096	3.969	0.226	5.50	0.38	6.00	40	6.00
4	4.593	4.469	0.237	6.19	0.44	6.00	40	7.25
5	5.683	5.532	0.258	7.31	0.44	8.00	40	12.00
6	6.743	6.594	0.280	8.50	0.50	8.00	40	16.00
8	8.743	8.594	0.322	10.62	0.50	8.00	40	23.00
10	10.913	10.719	0.365	12.75	0.50	10.00	40	36.00
12	12.913	12.719	0.406	15.00	0.50	10.00	40	52.00
14	14.170	13.969	0.438	16.25	0.50	12.00	40	73.00
16	16.180	15.969	0.500	18.50	0.50	12.00	40	97.00
18	18.190	17.969	0.562	21.00	0.50	12.00	40	126.00
20	20.240	19.969	0.594	23.00	0.50	12.00	40	147.00
24	24.240	23.969	0.688	27.25	0.50	12.00	40	205.00

DIMENSIONS ARE IN INCHES | WEIGHTS ARE IN POUNDS

(A) Manufactured to MSS Type A, long pattern, stub end dimensions.

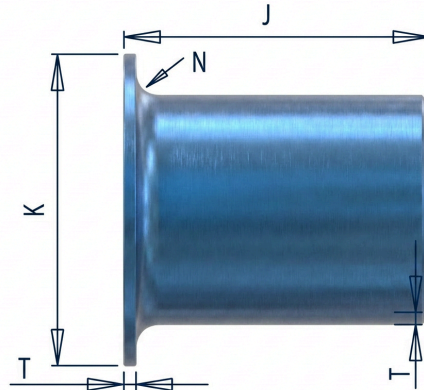
(B) Available in all material grades.

(C) All weights are estimates.

(D) For sizes larger than 24" please call.

* This size and wall thickness are not associated with a standard pipe schedule.

Stub End — Schedule 80



MSS TYPE A — LONG PATTERN — SCHEDULE 80

Nom. Pipe Size	Outside Dia. (Max.)	Outside Dia. (Min.)	Wall & Lap Thickness	Lap Diameter	Fillet Radius	Overall Length (Long)	Pipe Schedule Number	Approx. Weight in Pounds
			T	K	N	J		Lbs.
1/2	0.896	0.809	0.147	1.38	0.12	3.00	80	0.38
3/4	1.106	1.019	0.154	1.69	0.12	3.00	80	0.51
1	1.376	1.284	0.179	2.00	0.12	4.00	80	1.00
1 1/4	1.716	1.629	0.191	2.50	0.19	4.00	80	1.25
1 1/2	1.965	1.869	0.200	2.88	0.25	4.00	80	1.75
2	2.456	2.344	0.218	3.62	0.31	6.00	80	3.00
2 1/2	2.966	2.844	0.276	4.12	0.31	6.00	80	4.50
3	3.596	3.469	0.300	5.00	0.38	6.00	80	6.50
3 1/2	4.096	3.969	0.318	5.50	0.38	6.00	80	7.75
4	4.593	4.469	0.337	6.19	0.44	6.00	80	9.50
5	5.683	5.532	0.375	7.31	0.44	8.00	80	17.00
6	6.743	6.594	0.432	8.50	0.50	8.00	80	23.00
8	8.743	8.594	0.500	10.62	0.50	8.00	80	32.00
10	10.913	10.719	0.594	12.75	0.50	10.00	80	63.00
12	12.913	12.719	0.688	15.00	0.50	10.00	80	87.00
14	14.170	13.969	0.750	16.25	0.50	12.00	80	123.00
16	16.180	15.969	0.844	18.50	0.50	12.00	80	161.00
18	18.190	17.969	0.938	21.00	0.50	12.00	80	205.00
20	20.240	19.969	1.031	23.00	0.50	12.00	80	251.00
24	24.240	23.969	1.219	27.25	0.50	12.00	80	359.00

DIMENSIONS ARE IN INCHES | WEIGHTS ARE IN POUNDS

(A) Manufactured to MSS Type A, long pattern, stub end dimensions.

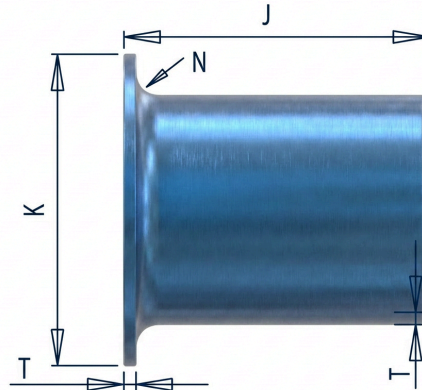
(B) Available in all material grades.

(C) All weights are estimates.

(D) For sizes larger than 24" please call.

* This size and wall thickness are not associated with a standard pipe schedule.

Stub End — Schedule 160



MSS TYPE A — LONG PATTERN — SCHEDULE 160

Nom. Pipe Size	Outside Dia. (Max.)	Outside Dia. (Min.)	Wall & Lap Thickness	Lap Diameter	Fillet Radius	Overall Length (Long)	Pipe Schedule Number	Approx. Weight in Pounds
			T	K	N	J		Lbs.
1/2	0.896	0.809	0.188	1.38	0.12	3.00	160	0.75
3/4	1.106	1.019	0.219	1.69	0.12	3.00	160	0.95
1	1.376	1.284	0.250	2.00	0.12	4.00	160	1.13
1 1/4	1.716	1.629	0.250	2.50	0.19	4.00	160	1.51
1 1/2	1.965	1.869	0.281	2.88	0.25	4.00	160	2.02
2	2.456	2.344	0.344	3.62	0.31	6.00	160	4.51
2 1/2	2.966	2.844	0.375	4.12	0.31	6.00	160	6.02
3	3.596	3.469	0.438	5.00	0.38	6.00	160	8.80
4	4.593	4.469	0.531	6.19	0.44	6.00	160	14.10
5	5.683	5.532	0.625	7.31	0.44	8.00	160	26.40
6	6.743	6.594	0.719	8.50	0.50	8.00	160	36.40
8	8.743	8.594	0.906	10.62	0.50	8.00	160	60.00
10	10.913	10.719	1.125	12.75	0.50	10.00	160	113.00
12	12.913	12.719	1.312	15.00	0.50	10.00	160	160.00
14	14.170	13.969	1.406	16.25	0.50	12.00	160	190.00
16	16.180	15.969	1.594	18.50	0.50	12.00	160	245.00
18	18.190	17.969	1.781	21.00	0.50	12.00	160	309.00
20	20.240	19.969	1.969	23.00	0.50	12.00	160	379.00
24	24.240	23.969	2.344	27.25	0.50	12.00	160	542.00

DIMENSIONS ARE IN INCHES | WEIGHTS ARE IN POUNDS

(A) Manufactured to MSS Type A, long pattern, stub end dimensions.

(B) Available in all material grades.

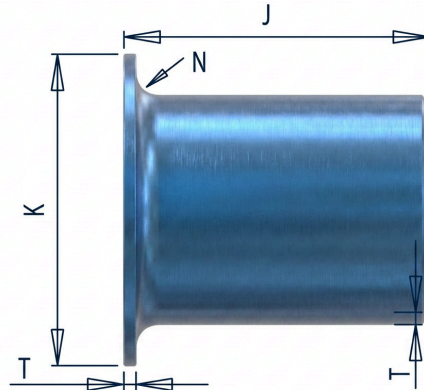
(C) All weights are estimates.

(D) For sizes larger than 24" please call.

* This size and wall thickness are not associated with a standard pipe schedule.



Stub End — Schedule XXS



MSS TYPE A — LONG PATTERN — SCHEDULE XXS

Nom. Pipe Size	Outside Dia. (Max.)	Outside Dia. (Min.)	Wall & Lap Thickness	Lap Diameter	Fillet Radius	Overall Length (Long)	Pipe Schedule Number	Approx. Weight in Pounds
			T	K	N	J		Lbs.
1/2	0.896	0.809	0.294	1.38	0.12	3.00	*	1.75
3/4	1.106	1.019	0.308	1.69	0.12	3.00	*	2.50
1	1.376	1.284	0.358	2.00	0.12	4.00	*	4.00
1 1/4	1.716	1.629	0.382	2.50	0.19	4.00	*	6.25
1 1/2	1.965	1.869	0.400	2.88	0.25	4.00	*	6.50
2	2.456	2.344	0.436	3.62	0.31	6.00	*	9.00
2 1/2	2.966	2.844	0.552	4.12	0.31	6.00	*	14.00
3	3.596	3.469	0.600	5.00	0.38	6.00	*	18.50
4	4.593	4.469	0.674	6.19	0.44	6.00	*	27.50
5	5.683	5.532	0.750	7.31	0.44	8.00	*	39.00
6	6.743	6.594	0.864	8.50	0.50	8.00	*	54.00
8	8.743	8.594	0.875	10.62	0.50	8.00	*	73.00
10	10.913	10.719	1.000	12.75	0.50	10.00	140	116.00
12	12.913	12.719	1.000	15.00	0.50	10.00	120	167.00

DIMENSIONS ARE IN INCHES | WEIGHTS ARE IN POUNDS

(A) Manufactured to MSS Type A, long pattern, stub end dimensions.

(B) Available in all material grades.

(C) All weights are estimates.

(D) For sizes larger than 24" please call.

* This size and wall thickness are not associated with a standard pipe schedule.