



The MS21259 series stud end fittings from Loos Cableware® Division are manufactured from stainless steel in accordance with MIL-DTL-781 to the strict standards of MS21259 and are certified to that standard.

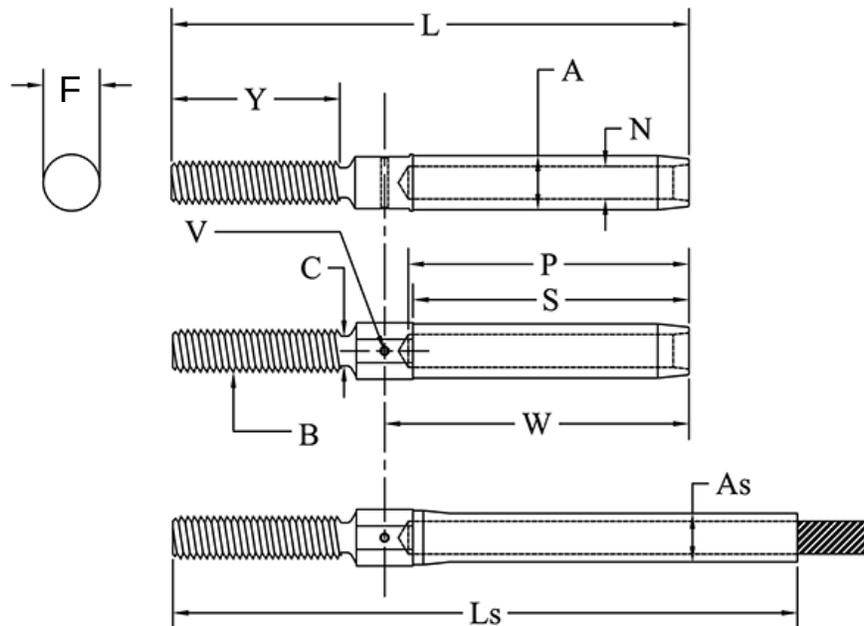
Loos Cableware® Division offers a full range of sizes in this part series of stainless steel swage fittings.

MS21259 cable fittings are used throughout the cable and wire rope industry in applications where a cable must be terminated with a swage fitting that will exceed the minimum breaking strength of the cable onto which it is swaged.

MIL-DTL-781: **YES**
 MADE IN THE USA: **YES**
 DFARS COMPLIANT: **YES**

MS Part RH Thread	MS Part LH Thread	Cable Dia.	Thread B UN-3A UNF-3A	A Dia	As Dia	C Dia	F	L±.063	Ls Ref	N Dia	P	V +.005-.000	S +.062-.000	W ±.016	Y +.083-.020	Lbs. Per Piece
MS21259-2RH*	MS21259-2LH*	1/16	(#6)-40	0.16	0.138	0.121	0.188	2.473	2.65	0.078	1.042	0.063	0.969	1.174	1.045	0.01
MS21259-3RH*	MS21259-3LH*	3/32	(#10)-32	0.218	0.19	0.169	0.25	2.879	3	0.109	1.261	0.063	1.188	1.411	1.204	0.0225
MS21259-4RH*	MS21259-4LH*	1/8	(1/4)-28	0.25	0.219	0.226	0.313	3.333	3.59	0.141	1.511	0.063	1.438	1.682	1.376	0.0375
MS21259-5RH*	MS21259-5LH*	5/32	(1/4)-28	0.297	0.25	0.226	0.313	3.627	3.97	0.172	1.761	0.063	1.688	1.958	1.376	0.0475
MS21259-6RH*	MS21259-6LH*	3/16	(5/16)-24	0.359	0.313	0.285	0.375	4.002	4.17	0.203	2.011	0.098	1.938	2.237	1.458	0.08
MS21259-7RH*	MS21259-7LH*	7/32	(3/8)-24	0.427	0.375	0.347	0.438	4.516	4.81	0.234	2.261	0.098	2.188	2.518	1.625	0.12
MS21259-8RH*	MS21259-8LH*	1/4	(3/8)-24	0.494	0.438	0.347	0.5	4.937	5.24	0.265	2.511	0.098	2.438	2.784	1.75	0.165
MS21259-9RH*	MS21259-9LH*	9/32	(7/16)-20	0.563	0.5	0.405	0.625	5.391	5.75	0.297	2.761	0.098	2.688	3.076	1.875	0.265
MS21259-10RH*	MS21259-10LH*	5/16	(1/2)-20	0.635	0.563	0.467	0.688	5.844	6.27	0.328	3.011	0.098	2.938	3.326	2.000	0.375
MS21259-12RH*	MS21259-12LH*	3/8	(9/16)-18	0.703	0.625	0.529	0.75	6.656	7.06	0.404	3.511	0.098	3.438	3.828	2.250	0.5
MS21259-14RH	MS21259-14LH	7/16	(5/8)-18	0.781	0.688	0.592	0.812	7.437	7.91	0.468	4.011	0.098	3.938	4.375	2.300	0.625
MS21259-16RH	MS21259-16LH	1/2	(5/8)-18	0.844	0.75	0.592	0.875	8.187	8.75	0.531	4.698	0.125	4.625	5.093	2.500	0.75
MS21259-18RH	MS21259-18LH	9/16	(3/4)-16	0.984	0.875	0.717	1	9.125	9.72	0.594	5.011	0.125	4.938	5.468	3.000	1
MS21259-20RH	MS21259-20LH	5/8	(7/8)-14	1.109	1	0.842	1.125	10.375	11.06	0.656	5.511	0.125	5.438	6.093	3.500	1.5
MS21259-24RH	MS21259-24LH	3/4	(1)-12	1.359	1.25	0.967	1.437	12.063	12.64	0.781	6.511	0.125	6.438	7.188	4.000	2.75
MS21259-28RH	MS21259-28LH	7/8	(1 1/8)-12	1.593	1.437	1.092	1.625	13.226	13.99	0.921	7.166	0.125	7.094	7.846	4.500	3.9
MS21259-32RH	MS21259-32LH	1	(1 1/4)-12	1.812	1.625	1.217	1.812	14.969	15.88	1.046	8.229	0.125	8.156	9.000	5.000	5.35

* Denotes Stock Item



The MS21260 Series Locking Studs are manufactured from stainless steel in accordance with the requirements of MLI-DTL-781 and are certified to these standards. Loos Cableware® Division offers a full line of the MS21260 Locking studs in both left hand and right hand threads and is a QPL manufacturer of these parts.



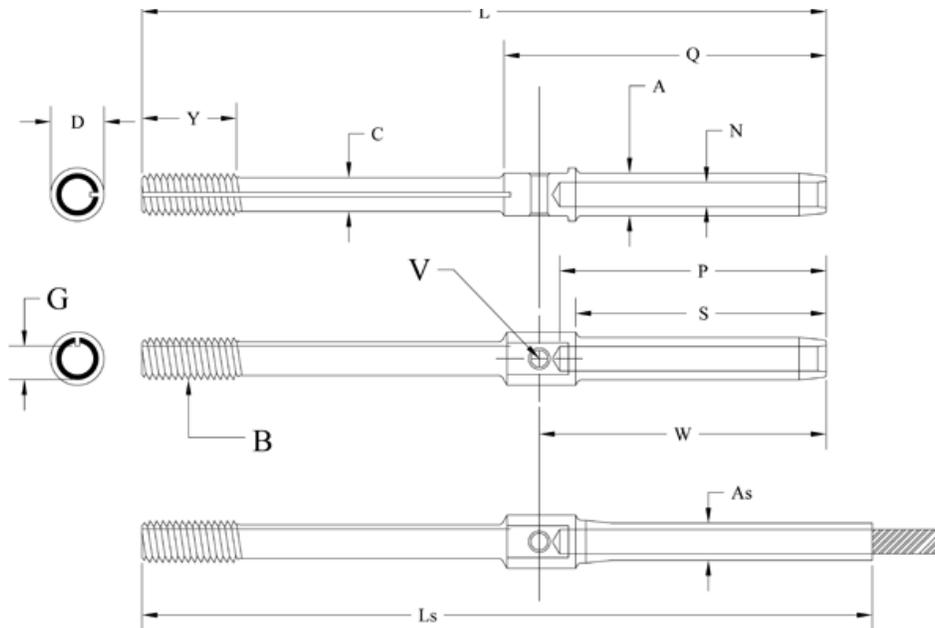
MIL-DTL-781: **YES**
 MADE IN THE USA: **YES**
 DFARS COMPLIANT: **YES**

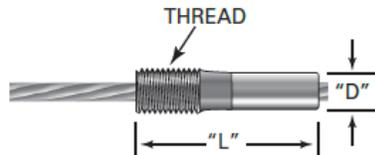
MS Part RH Thread	MS Part LH Thread	Cable Dia.	Thread B UN-3A UNF-3A	A Diam.	As Diam.	C +.006-.000 Diam.	D	G Max.	G Min.
MS21260L2RH*	MS21260L2LH*	1/16	(#6)-40	.160	.138	.092	.188	.1139	.1094
MS21260S2RH*	MS21260S2LH*	1/16	(#6)-40	.160	.138	.092	.188	.1139	.1094
MS21260L3RH*	MS21260L3LH*	3/32	(#10)-32	.218	.190	.133	.250	.1638	.1568
MS21260S3RH*	MS21260S3LH*	3/32	(#10)-32	.218	.190	.133	.250	.1638	.1568
MS21260L4RH*	MS21260L4LH*	1/8	(1/4)-28	.250	.219	.195	.313	.2224	.2152
MS21260S4RH*	MS21260S4LH*	1/8	(1/4)-28	.250	.219	.195	.313	.2224	.2152
MS21260L5RH*	MS21260L5LH*	5/32	(1/4)-28	.297	.250	.195	.313	.2224	.2152
MS21260S5RH*	MS21260S5LH*	5/32	(1/4)-28	.297	.250	.195	.313	.2224	.2152
MS21260L6RH*	MS21260L6LH*	3/16	(5/16)-24	.359	.313	.245	.375	.2830	.2754
MS21260S6RH*	MS21260S6LH*	3/16	(5/16)-24	.359	.313	.245	.375	.2830	.2754
MS21260-7RH*	MS21260-7LH*	7/32	(3/8)-24	.427	.375	.306	.438	.3454	.3378
MS21260-8RH*	MS21260-8LH*	1/4	(3/8)-24	.494	.438	.306	.500	.3454	.3378
MS21260-9RH*	MS21260-9LH*	9/32	(7/16)-20	.563	.500	.361	.625	.4052	.3972
MS21260-10RH*	MS21260-10LH*	5/16	(1/2)-20	.635	.563	.406	.688	.4678	.4597
MS21260-12RH*	MS21260-12LH*	3/8	(9/16)-18	.703	.625	.476	.750	.5285	.5201
MS21260-14RH	MS21260-14LH	7/16	(5/8)-18	.781	.688	.538	.812	.5909	.5826
MS21260-16RH	MS21260-16LH	1/2	(5/8)-18	.844	.750	.538	.875	.5909	.5826
MS21260-18RH	MS21260-18LH	9/16	(3/4)-16	.984	.875	.654	1.000	.7137	.7050
MS21260-20RH	MS21260-20LH	5/8	(7/8)-14	1.109	1.000	.768	1.125	.8558	.8266
MS21260-24RH	MS21260-24LH	3/4	(1)-12	1.359	1.25	.893	1.438	.9608	.9516
MS21260-28RH	MS21260-28LH	7/8	(1 1/8)-12	1.593	1.437	1.002	1.625	1.0819	1.0772
MS21260-32RH	MS21260-32LH	1	(1 1/4)-12	1.812	1.625	1.128	1.875	1.2069	1.1972

* Denotes Stock Item. Non-stock items subject to reasonable delivery, depending on current manufacturing lead time. When ordering: specify Part No. and diameter of cable hardware it is to fit. * AN669 same as MS21260 but without slotted end

Dash No. Size	L±.063	Ls (Ref)	N Diam.	P	Q+.031-.016	V±.005	S+.062-.000	W	Y ±.047	Lbs. per Piece
L2*	3.491	3.67	.078	1.042	1.319	.063	.969	1.174	.375	.011
S2*	2.616	2.79	.078	1.042	1.319	.063	.969	1.174	.375	.010
L3*	3.738	3.86	.109	1.261	1.581	.063	1.188	1.411	.500	.024
S3*	2.863	2.98	.109	1.261	1.581	.063	1.188	1.411	.500	.020
L4*	4.02	4.28	.141	1.511	1.863	.098	1.438	1.682	.563	.040
S4*	3.145	3.40	.141	1.511	1.863	.098	1.438	1.682	.563	.0236
L5*	4.314	4.66	.172	1.761	2.157	.098	1.688	1.958	.625	.05
S5*	3.439	3.78	.172	1.761	2.157	.098	1.688	1.958	.625	.044
L6*	4.612	4.78	.203	2.011	2.455	.098	1.938	2.237	.750	.086
S6*	3.737	3.90	.203	2.011	2.455	.098	1.938	2.237	.750	.070
-7*	4.914	5.21	.234	2.261	2.757	.098	2.188	2.518	.875	.130
-8*	5.218	5.52	.265	2.511	3.061	.098	2.438	2.784	.875	.170
-9*	5.542	5.90	.297	2.761	3.385	.098	2.688	3.076	1.00	.22
-10*	5.875	6.30	.328	3.011	3.718	.098	2.938	3.326	1.00	.35
-12*	6.608	7.01	.404	3.511	4.281	.098	3.438	3.828	1.125	.50
-14	7.468	7.94	.468	4.011	4.812	.098	3.938	4.375	1.250	.75
-16	8.718	9.28	.531	4.698	5.562	.125	4.625	5.093	1.250	1.00
-18	9.188	9.78	.594	5.011	6.000	.125	4.938	5.468	1.500	1.00
-20	10.469	11.16	.656	5.511	6.750	.125	5.438	6.093	1.750	1.50
-24	12.188	12.76	.781	6.511	7.938	.125	6.438	7.188	2.000	2.75
-28	12.851	13.61	.921	7.166	8.601	.125	7.094	7.846	2.000	3.90
-32	14.624	15.53	1.046	8.229	9.844	.125	8.156	9.000	2.250	5.35

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Type 316 Stainless Steel - Moly Coated

Cable Dia.	Part No.	Thread	"L"	"D" Diameter After Swaged
1/8"	S-4	5/16-24	1.180"	.250"
3/16"	S-6	5/16-24	1.140"	.250"
1/4"	S-8	7/16-20	1.380"	.375"
5/16"	S-10	9/16-18	1.330"	.500"
3/8"	S-12	9/16-18	1.310"	.500"

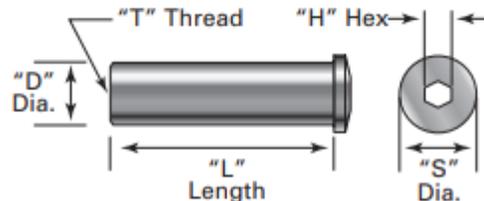
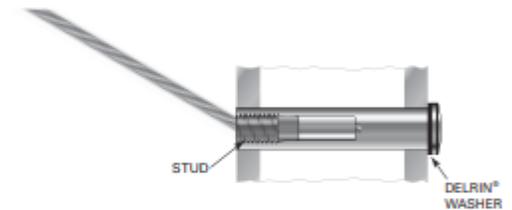
This part is swaged onto the end of the THREAD cable and used with the Invisiware® Receiver. The threaded surface is coated with a baked-on molybdenum-based dry film lubricant, to prevent the threads from galling when tensioned.

INVISIWARE® RECEIVER WITH INVISIWARE® STUD

The Invisiware® Receiver with Invisiware® Stud combination is a concealed, swaged, tensioning, through-the-post-mounted fitting that is suitable for level runs. Receivers and studs are available for 1/8", 3/16", 1/4", 5/16", and 3/8" diameter 1x19 stainless steel cable; 1/8" and 3/16" sizes are also suitable for pitched applications.

The Invisiware® Receiver with Invisiware® Stud can be used with any other fitting on the opposite end of the run. This fitting is placed and concealed within a pre-drilled hole in the metal end post. The Receiver is furnished with a Delrin® washer that is installed between the shoulder of the fitting and the end post to protect the surface of the finish of the end post as tension is applied. The stud is swaged onto one end of the cable and is inserted and threaded into the Receiver installed in the end post. Tension is created by rotating the Receiver (with a hex wrench inserted into its broached end) and drawing the Stud into the Receiver.

This fitting in 1/8" and 3/16" cable sizes can also be used in pitched applications using the same method (including a horizontally drilled hole) described previously. This fitting is commonly paired with a Pull-Lock® on the opposite end of the run. The Receiver/Pull-Lock® terminal combination is available in our 1/8" and 3/16" kit offerings.



Invisiware® Receiver Dimensions

Cable Dia.	1/8" cable	3/16" cable	1/4" cable	5/16" cable	3/8" cable
Part No.	R-6-XX	R-6-XX	R-8-XX	R-12-XX	R-12-XX
"D" Dia.	.437"	.437"	.531"	.687"	.687"
"T" Thread	5/16-24	5/16-24	7/16-20	9/16-18	9/16-18
"H" Hex	3/16"	3/16"	7/32"	5/16"	5/16"
"S" Dia.	.537"	.537"	.646"	.865"	.865"
"L" Length	See "FRAMING OPTIONS" Table				

Framing Options for Invisiware® Receiver

Cable Dia.	1/8" cable	3/16" cable	1/4" cable	5/16" cable	3/8" cable	"L" Length
1-1/2" Tube* or 1-1/4" Pipe	R-6-12	R-6-12	NA	NA	NA	1.56"
1-1/2" Pipe	R-6-22	R-6-22	R-8-22	NA	NA	1.81"
2" x 2" Tube*	R-6-32	R-6-32	R-8-32	R-12-32	R-12-32	2.03"
2" Pipe	R-6-42	R-6-42	R-8-42	R-12-42	R-12-42	2.30"
2-3/8" Tube*	R-6-72	R-6-72	NA	NA	NA	2.405"
2-1/2" Tube*	R-6-82	R-6-82	NA	NA	NA	2.53"
3" Tube*	R-6-52	R-6-52	R-8-52	R-12-52	R-12-52	3.03"
3-1/2" Tube*	R-6-62	R-6-62	NA	NA	NA	3.5625"