

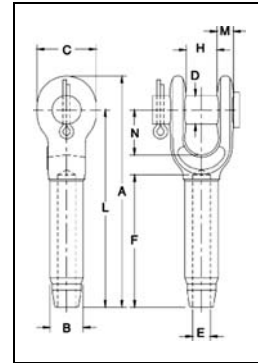
# Open Swage Sockets



S-501



- Forged from special bar quality carbon steel, suitable for cold forming.
- Swage Socket terminations have an efficiency rating of 100% based on the catalog strength of wire rope.
- Hardness controlled by spheroidize annealing.
- Stamp for identification after swaging without concern for fractures (as per directions in National Swaging Brochure).
- Swage sockets incorporate a reduced machined area of the shank which is equivalent to the proper "After Swage" dimension. Before swaging, this provides for an obvious visual difference in the shank diameter. After swaging, a uniform shank diameter is created allowing for a QUIC-CHECK® and permanent visual inspection opportunity.
- Designed to quickly determine whether the socket has been through the swaging operation and assist in field inspections, it does not eliminate the need to perform standard production inspections which include gauging for the proper "After Swage" dimensions or proof loading.
- U.S. Patent 5,152,630 and foreign equivalents.



NOTE: S-501 Swage Sockets are recommended for use with 6 x 19 or 6 x 37, IPS or XIP (EIP), XXIP (EEIP), RRL, FC or IWRC wire rope. Before using any National Swage fitting with any other type lay, construction or grade of wire rope, it is recommended that the termination be destructive tested and documented to prove the adequacy of the assembly to be manufactured. In accordance with ASME B30.9, all slings terminated with swage sockets shall be proof loaded.\*

## S-501 Open Swage Sockets

S-501 Open Socket Specifications														Press / Die Data					
S-501 Stock No.	Rope Size*		Weight Each (kg)	Before Swage Dimensions (mm)										Max. After Swage Dim. (mm)	Die Description	Stock No.		Side Load	
	(mm)	(in.)		A	B	C	D	E	F	H	L	M	N			500 Ton 5 x 7	1500 Ton 6 x 12	1500 Ton 6 x 12	3000 Ton 6 x 12
1039021	6	1/4	0.24	122	12.7	35.1	17.5	6.85	54.0	17.5	102	9.65	38.1	11.7	1/4 Socket	1192845	-	-	-
1039049	8	5-16	0.51	159	19.6	41.1	20.6	8.65	81.0	20.6	135	11.9	44.5	18.0	5/16-3/8 Socket	1192863	-	-	-
1039067	9-10	3/8	0.59	159	19.6	41.1	20.6	10.4	81.0	20.6	135	11.9	44.5	18.0	5/16-3/8 Socket	1192863	-	-	-
1039085	11-12	7/16	0.94	198	24.9	51.0	25.4	12.2	108	25.4	170	14.2	51.0	23.1	7/16-1/2 Socket	1192881	-	-	-
1039101	13	1/2	0.94	198	24.9	51.0	25.4	14.0	108	25.4	170	14.2	51.0	23.1	7/16-1/2 Socket	1192881	-	-	-
1039129	14	9/16	2.12	241	31.8	60.5	30.2	15.5	135	31.8	207	17.3	57.0	29.5	9/16-5/8 Socket	1192907	-	-	-
1039147	16	5/8	2.05	241	31.8	60.5	30.2	17.0	135	31.8	207	17.3	57.0	29.5	9/16-5/8 Socket	1192907	-	-	-
1039165	18-20	3/4	3.62	294	39.4	70.0	35.1	20.3	162	38.1	254	19.8	70.0	36.1	3/4 Socket	1192925	-	-	-
1039183	22	7/8	5.23	341	43.2	79.5	41.1	23.9	189	44.5	295	23.9	82.5	39.4	7/8 Socket	1192943	-	-	-
1039209	24-26	1	8.07	393	50.5	93.5	51.0	26.9	216	51.0	340	26.9	95.5	45.7	1 Socket	1192961	-	-	-
1039227	28	1-1/8	11.5	440	57.0	103	57.0	30.2	243	57.0	381	30.2	108	52.0	1-1/8 Socket	1192989	-	-	-
1039245	32	1-1/4	16.1	484	64.5	114	63.5	33.8	270	63.5	419	31.0	121	58.5	1-1/4 Socket	1193005	-	-	-
1039263	34-36	1-3/8	19.8	532	71.0	127	63.5	36.8	297	63.5	461	35.1	133	65.0	1-3/8 Socket	1193023	-	-	-
1039281	38-40	1-1/2	26.5	581	78.0	140	70.0	40.1	324	76.0	502	42.9	146	71.5	1-1/2 Socket	1193041	1191267	1195355	1195192
1039307	44	1-3/4	40.3	676	86.0	170	89.0	47.2	378	89.0	584	53.5	171	77.5	1-3/4 Socket	1193069	1191276	1195367	1195209
1042767	48-52	2	66	799	100	203	95.5	53.5	432	102	683	60.0	203	90.5	2 Socket	1193087	1191294	1195379	1195218

\* Maximum Proof Load shall not exceed 50% of XXIP rope catalog breaking strength.