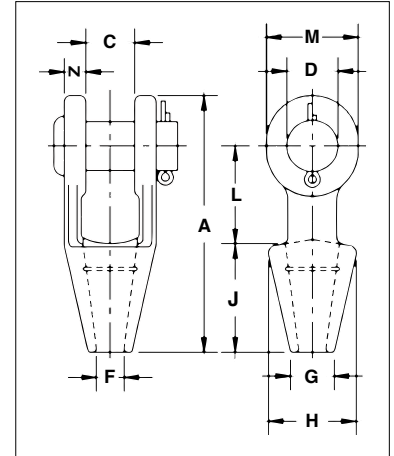


G-416 / S-416



- Forged steel sockets through 38mm, cast alloy steel 40mm through 102mm.
- Spelter socket terminations have an efficiency rating of 100%, based on the catalog strength of wire rope.
- Ratings are based on recommended use with 6 x 7, 6 x 19 or 6 x 37, IPS or XIP (EIP), XXIP (EEIP), RRL, FC or IWRC wire rope.
- Strand constructed with minimal number of wires (e.g. 1 x 7) requires special consideration that socket basket length be five (5) times the strand diameter or fifty (50) times the wire diameter, whichever is the greater.
- All cast steel sockets 40mm and larger are magnetic particle inspected and ultrasonic inspected. Proof testing available on special order.
- Available with bolt nut and cotter: G-416B.
- Open Grooved Sockets meet the performance requirements of Federal Specification RR-S-550F, Type A, except for those provisions required of the contractor.



G-416 / S-416 Open Spelter Sockets

Rope Diameter		Structural Strand Dia. (mm)	Ultimate Load (t)	Assembly w/Round Pin Stock No.		Assembly w/Bolt/Nut/Cotter Stock No.		Weight Each (kg)	Replacement Round Pin Kit Stock No.		Replacement Bolt/Nut/cotter Kit Stock No.	
(in)	(mm)			G-416 Galv.	S-416 S.C.	G-416B Galv.	S-416B S.C.		G-4080	S-4080	G-4082	
5/16-3/8	8-10	—	12	1039637	1039646	1044818	1042009	.59	1085723	1083142	2038971	
7/16-1/2	11-13	—	20	1039655	1039664	1044827	1042018	1.02	1085724	1083160	2038972	
9/16-5/8	14-16	12-13	27	1039673	1039682	1044836	1042027	1.63	1085725	1083188	2038975	
3/4	18	14-16	43	1039691	1039708	1044845	1042036	2.64	1085726	1083204	2038976	
7/8	20-22	18-19	55	1039717	1039726	1044854	1042045	4.38	1085727	1083222	2039086	
1	24-26	20-22	78	1039735	1039744	1044863	1042054	7.03	1085728	1083240	2038980	
1-1/8	28-30	24-26	92	1039753	1039762	1044872	1042063	9.75	1085729	1083268	2038982	
1-1/4 - 1-3/8	32-35	28	136	1039771	1039780	1044881	1042065	14.1	1085730	1083286	2038984	
1-1/2	38	30-32	170	1039799	1039806	1044890	1042074	21.4	1085731	1083302	2038987	
* 1-5/8	* 40-42	33-35	188	1039815	1039824	1044906	1042083	24.9	1085756	1085765	2039087	
* 1-3/4 - 1-7/8	* 44-48	36-40	268	1039833	1039842	1044915	1042092	37.2	1085774	1085783	2038989	
* 2 - 2-1/8	* 50-54	42-45	291	1039851	1039860	1044924	1042101	59	1085792	1085809	2038990	
* 2-1/4 - 2-3/8	* 56-60	46-48	360	1039879	1039888	1044933	1042110	76	1085818	1085827	2038992	
* 2-1/2 - 2-5/8	* 64-67	50-54	424	1041633	1041642	1044942	1042120	114	1085736	1085845	2038993	
* 2-3/4 - 2-7/8	* 70-73	56-62	511	1041651	1041660	1044951	1042129	143	1085854	1085863	2038994	
* 3 - 3-1/8	* 75-80	64-67	563	1041679	1041688	1044960	1042138	172	1085872	1085881	2038995	
* 3-1/4 - 3-3/8	* 82-86	70-73	722	1041697	1041704	1044969	1042147	197	1085890	1085907	2038996	
* 3-1/2 - 3-5/8	* 88-92	76-80	779	1041713	1041722	1044978	1042156	255	1085916	1085925	2038997	
* 3-3/4 - 4	* 94-102	—	875	1041731	1041740	1044997	1042165	355	1085934	1085943	2038998	

Rope Diameter		Stock No.	Dimensions (mm)										
(in)	(mm)		A	C	Tolerance C ±	D	F	G	H	J	L	M	N
5/16-3/8	8-10	1039637	123	20.6	1.52	20.6	12.7	20.6	42.9	57.0	44.5	38.1	11.2
7/16-1/2	11-13	1039655	141	25.4	1.52	25.4	14.2	23.9	47.8	63.5	51.0	47.8	12.7
9/16-5/8	14-16	1039673	171	31.8	1.52	30.2	17.5	28.7	57.0	76.0	63.5	57.0	14.2
3/4	18	1039691	202	38.1	1.52	35.1	20.6	31.8	66.5	89.0	76.0	66.5	15.7
7/8	20-22	1039717	235	44.5	1.52	41.4	23.9	38.1	82.5	102	89.0	79.5	20.3
1	24-26	1039735	268	51.0	1.52	51.0	28.7	44.5	95.5	114	102	95.5	22.4
1-1/8	28-30	1039753	300	57.0	3.05	57.0	31.8	51.0	105	127	117	105	25.4
1-1/4 - 1-3/8	32-35	1039771	335	63.5	3.05	63.5	38.1	57.0	121	140	127	121	28.7
1-1/2	38	1039799	384	76.0	3.05	70.0	41.4	70.0	133	152	152	137	30.2
* 1-5/8	* 40-42	1039815	413	76.0	3.05	76.0	44.5	76.0	140	165	165	146	33.3
* 1-3/4 - 1-7/8	* 44-48	1039833	464	89.0	3.05	89.0	51.0	79.5	162	191	178	165	39.6
* 2 - 2-1/8	* 50-54	1039851	546	102	3.05	95.5	57.0	95.5	187	216	229	178	46.0
* 2-1/4 - 2-3/8	* 56-60	1039879	597	114	3.05	108	63.5	102	210	229	254	197	54.0
* 2-1/2 - 2-5/8	* 64-67	1041633	648	127	3.05	121	73.0	114	235	248	274	216	60.5
* 2-3/4 - 2-7/8	* 70-73	1041651	692	133	6.35	127	79.0	124	267	279	279	229	73.0
* 3 - 3-1/8	* 75-80	1041679	737	146	6.35	133	86.0	133	282	305	287	241	76.0
* 3-1/4 - 3-3/8	* 82-86	1041697	784	159	6.35	140	92.0	146	302	330	300	254	79.0
* 3-1/2 - 3-5/8	* 88-92	1041713	845	171	6.35	152	98.5	165	314	356	318	274	82.5
* 3-3/4 - 4	* 94-102	1041731	921	191	6.35	178	108	184	346	381	343	318	89.0

*Cast alloy steel.