



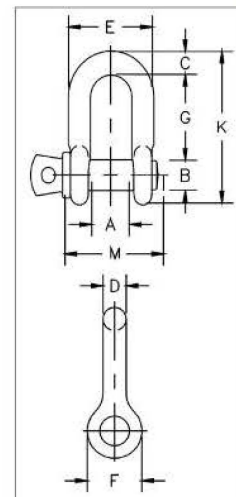
G-210 / S-210



- Forged, Quenched & Tempered, with alloy pins.
- Working Load Limit and Grade 6 permanently shown on every shackle.
- Hot-dip galvanized (G) or self colored (S).
- Sizes 3/8 inch and below are mechanically galvanized.
- Fatigue rated at 1-1/2 times the Working Load Limit at 20,000 cycles.
- Shackles can be furnished proof tested with certificates to designated standards, such as ABS, DNV, Lloyds, or other certifications. Proof testing and certification available when requested at the time of order, charges will apply.
- Approved for use at -40° C (-40° F) to 204° C (400° F).
- All 209 and 210 shackles can meet charpy requirements of 42 Joules (31 ft-lb) avg. at -20° C (-4° F) upon special request.
- Meets or exceeds all requirements of ASME B30.26.
- Type Approval certification in accordance with ABS 2016 Steel Vessel Rules and ABS Guide for Certification of Lifting Appliances available. Certificates available when requested at time of order and may include additional charges.
- G-210 Screw pin anchor shackles meet the performance requirements of Federal Specification RR-C-271G, Type IVB, Grade A, Class 2, except for those provisions required of the contractor.
- Look for the Red Pin®... the mark of genuine Crosby quality.

SHACKLES

1



G-210 / S-210 Screw Pin Chain Shackles

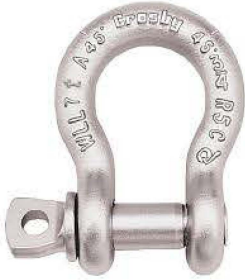
Nominal Size (in)	Working Load Limit (t)	Stock No.		Weight Each (kg)	Dimensions (mm)											Tolerance (+ / - mm)	
		G-210	S-210		A	B	C	D	E	F	G	K	L	M	G	A	
1/4	0.5	1019150	1019169	.05	11.9	7.85	6.35	6.35	24.6	15.5	22.4	40.4	4.85	35.1	1.50	1.50	
5/16	0.75	1019178	1019187	.08	13.5	9.65	7.85	7.85	29.5	19.1	26.2	48.5	5.60	42.2	1.50	1.50	
3/8	1	1019196	1019203	.13	16.8	11.2	9.65	9.65	35.8	23.1	31.8	58.5	6.35	51.5	3.30	1.50	
7/16	1.5	1019212	1019221	.20	19.1	12.7	11.2	11.2	41.4	26.9	36.6	67.5	7.85	60.5	3.30	1.50	
1/2	2	1019230	1019249	.27	20.6	16.0	12.7	12.7	46.0	30.2	41.4	77.0	9.65	68.5	3.30	1.50	
5/8	3.25	1019258	1019267	.57	26.9	19.1	15.7	16.0	58.5	38.1	51.0	95.5	11.2	85.0	3.30	1.50	
3/4	4.75	1019276	1019285	1.20	31.8	22.4	20.6	19.1	70.0	46.0	60.5	115	12.7	101	6.35	1.50	
7/8	6.5	1019294	1019301	1.43	36.6	25.4	24.6	22.4	81.0	53.0	71.5	135	12.7	114	6.35	1.50	
1	8.5	1019310	1019329	2.15	42.9	28.7	25.4	25.4	93.5	60.5	81.0	151	14.2	129	6.35	1.50	
1-1/8	9.5	1019338	1019347	3.06	46.0	31.8	31.8	28.7	103	68.5	91.0	172	16.0	142	6.35	1.50	
1-1/4	12	1019356	1019365	4.11	51.5	35.1	35.1	31.8	115	76.0	100	191	17.5	156	6.35	3.30	
1-3/8	13.5	1019374	1019383	5.28	57.0	38.1	38.1	35.1	127	84.0	111	210	19.1	174	6.35	3.30	
1-1/2	17	1019392	1019409	7.23	60.5	41.4	41.1	38.1	137	92.0	122	230	20.6	187	6.35	3.30	
1-3/4	25	1019418	1019427	12.1	73.0	51.0	54.0	44.5	162	106	146	279	25.4	231	6.35	3.30	
2	35	1019436	1019445	19.2	82.5	57.0	60.0	51.0	184	122	172	312	31.0	263	6.35	3.30	
2-1/2	55	1019454	1019463	32.5	105	70.0	66.5	66.5	238	145	203	377	35.1	330	6.35	6.35	

6:1 Design Factor. Maximum Proof Load is 2 times the Working Load Limit. For Working Load Limit reduction due to side loading applications, see Warnings & Applications.

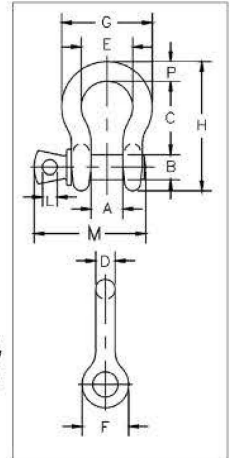




G-209A
Grade 8



- Forged alloy steel, Quenched & Tempered, with alloy pins.
- Meets performance requirements of Grade 8 shackles.
- Working Load Limit permanently shown on every shackle.
- Hot-dip galvanized.
- Size 3/8 inch is mechanically galvanized.
- Shackles can be furnished proof tested with certificates to designated standards, such as ABS, DNV, Lloyds, or other certification. Charges for proof testing and certification available when requested at the time of order.
- Approved for use at -40° C (-40° F) to 204° C (400° F).
- Meets or exceeds all requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements. Importantly, these shackles meet other critical performance requirements including impact properties and material traceability, not addressed by ASME B30.26.
- G-209A Screw pin anchor shackles meet the performance requirements of Federal Specification RR-C-271G, Type IVA, Grade B, Class 2, except for those provisions required of the contractor.



G-209A Alloy Screw Anchor Pin Shackles



APPLICATION AND WARNING INFORMATION SECTION 17

Nominal Size (in)	Working Load Limit (t)	Stock No.	Weight Each (kg)	Dimensions (mm)											Tolerance (+/- mm)	
				A	B	C	D	E	F	G	H	L	M	P	C	A
3/8	2	1017450	.14	16.8	11.2	36.6	9.65	26.2	23.1	45.2	63.5	6.35	51.5	9.65	3.30	1.50
7/16	2.67	1017472	.17	19.1	12.7	42.9	11.2	29.5	26.9	51.5	74.0	7.85	60.5	11.2	3.30	1.50
1/2	3.33	1017494	.29	20.6	16.0	47.8	12.7	23.3	30.2	58.5	83.5	9.65	68.5	12.7	3.30	1.50
5/8	5	1017516	.63	26.9	19.1	60.5	16.0	42.9	38.1	74.5	106	11.2	85.0	17.5	3.30	1.50
3/4	7	1017538	1.02	31.8	22.4	71.5	19.1	51.0	46.0	89.0	126	12.7	101	20.6	6.35	1.50
7/8	9.5	1017560	1.53	36.6	25.4	84.0	22.4	58.0	53.0	102	148	12.7	114	24.6	6.35	1.50
1	12.5	1017582	2.41	42.9	28.7	95.5	25.4	68.5	60.5	119	167	14.2	129	26.9	6.35	1.50
1-1/8	15	1017604	3.09	46.0	31.8	108	29.5	74.0	68.5	131	190	16.0	142	31.8	6.35	1.50
1-1/4	18	1017626	4.31	51.5	35.1	119	32.8	82.5	76.0	146	210	17.5	156	35.1	6.35	1.50
1-3/8	21	1017648	6.01	57.0	38.1	133	36.1	92.0	84.0	162	233	19.1	174	38.1	6.35	3.30

4.5:1 Design Factor. Maximum Proof Load is 2 times the Working Load Limit (metric tons) and 2.2 times the Working Load Limit (short tons). For Working Load Limit reduction due to side loading applications, see Warnings & Applications.

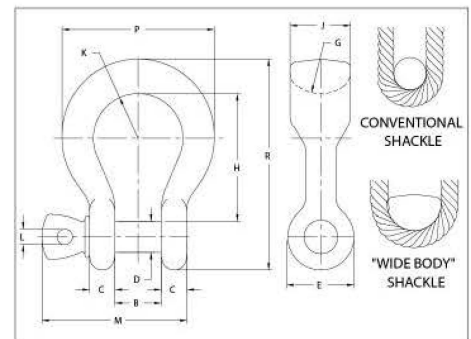
G-2169



S-2169



- Quenched & Tempered for maximum strength.
- Forged alloy steel.
- Available in galvanized (G) and self colored (S) finish.
- Individually proof tested and magnetic particle inspected. Crosby certification available at time of order.
- Meets or exceeds all requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements. Importantly, these shackles meet other critical performance requirements including fatigue life, impact properties and material traceability, not addressed by ASME B30.26.
- Look for the Red Pin®... the mark of genuine Crosby quality.



G-2169 / S-2169 Alloy Screw Pin Wide Body Shackles



APPLICATION AND WARNING INFORMATION SECTION 17

Working Load Limit (t)	G-2169 Stock No.	S-2169 Stock No.	Weight Each (kg)	Dimensions (mm)												
				B +/- .25	C	D +/- .02	E	G	H	J	K	L	M	P	R	
7	1021655	1021664	1.6	31.8	17.5	22.4	46.2	31.8	90.4	40.6	31.8	12.7	101	104	149	
12.5	1021673	1021682	4.0	42.9	23.4	28.7	60.5	34.8	118	54.1	41.4	14.2	130	140	194	
18	1021691	1021699	5.9	51.6	29.5	35.1	68.3	38.1	148	63.5	50.8	17.5	159	172	238	

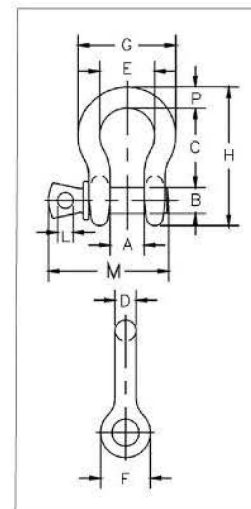
5:1 Design Factor. Proof Load is 2 times the Working Load Limit.



G-209/S-209



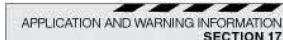
- Meets performance requirements of Grade 6 shackles.
- Forged, Quenched & Tempered, with alloy pins.
- Working Load Limit and Grade 6 permanently shown on every shackle.
- Hot-dip galvanized (G) or self colored (S).
- Sizes 3/8 inch and below are mechanically galvanized.
- Fatigue rated at 1-1/2 times the Working Load Limit at 20,000 cycles.
- Shackles can be furnished proof tested with certificates to designated standards, such as ABS, DNV, Lloyds, or other certifications. Proof testing and certification available when requested at the time of order, charges will apply.
- Approved for use at -40° C (-40° F) to 204° C (400° F).
- All 209 and 210 shackles can meet charpy requirements of 42 Joules (31 ft-lb) avg. at -20° C (-4° F) upon special request.
- Meets or exceeds all requirements of ASME B30.26.
- Type Approval certification in accordance with ABS 2016 Steel Vessel Rules and ABS Guide for Certification of Lifting Appliances available. Certificates available when requested at time of order and may include additional charges.
- G-209 Screw pin anchor shackles meet the performance requirements of Federal Specification RR-C-271G, Type IVA, Grade A, Class 2, except for those provisions required of the contractor.
- Look for the Red Pin®... the mark of genuine Crosby quality.



G-209 / S-209 Screw Pin Anchor Shackles

Nominal Size (in)	Working Load Limit (t)	Stock No.		Weight Each (kg)	Dimensions (mm)											Tolerance (+/- mm)	
		G-209	S-209		A	B	C	D	E	F	G	H	L	M	P	C	A
3/16	0.33	1018357	-	.03	9.7	6.4	22.4	4.8	15.2	14.2	24.9	37.3	4.1	29.0	4.8	1.50	1.50
1/4	0.5	1018375	1018384	.05	11.9	7.9	28.7	6.4	19.8	15.7	32.5	46.7	4.8	36.3	6.4	1.50	1.50
5/16	0.75	1018393	1018400	.09	13.5	9.7	30.7	7.9	21.3	19.1	37.1	53.1	5.6	43.4	7.9	3.30	1.50
3/8	1	1018419	1018428	.14	16.8	11.2	36.8	9.7	26.2	23.4	45.5	63.5	6.4	52.3	9.7	3.30	1.50
7/16	1.5	1018437	1018446	.17	19.1	12.7	42.9	11.2	29.5	26.9	51.8	73.9	7.9	60.2	11.2	3.30	1.50
1/2	2	1018455	1018464	.33	20.6	15.7	47.8	12.7	33.3	30.0	58.7	83.3	9.7	68.3	12.7	3.30	1.50
5/8	3.25	1018473	1018482	.62	26.9	19.1	60.5	15.7	42.9	38.1	74.4	106	11.2	84.8	17.5	6.35	1.50
3/4	4.75	1018491	1018507	1.07	31.8	22.4	71.4	19.1	50.8	46.0	88.9	126	12.7	101	20.6	6.35	1.50
7/8	6.5	1018516	1018525	1.64	36.6	25.4	84.1	22.4	57.9	53.3	103	148	12.7	114	24.6	6.35	1.50
1	8.5	1018534	1018543	2.28	42.9	28.4	95.5	25.4	68.3	60.5	119	167	14.2	130	26.9	6.35	1.50
1-1/8	9.5	1018552	1018561	3.36	46.0	31.8	108	29.5	73.9	68.1	131	190	16.0	152	31.8	6.35	1.50
1-1/4	12	1018570	1018589	4.31	51.6	35.1	119	32.8	82.8	76.2	146	210	17.5	165	35.1	6.35	1.50
1-3/8	13.5	1018598	1018605	6.14	57.2	38.9	133	36.1	91.9	84.1	162	233	19.1	176	38.1	6.35	3.30
1-1/2	17	1018614	1018623	7.80	60.5	41.4	146	38.9	98.6	91.9	176	254	20.6	189	41.1	6.35	3.30
1-3/4	25	1018632	1018641	12.6	73.2	50.8	178	46.7	127	106	224	313	25.4	233	57.2	6.35	3.30
2	35	1018650	1018669	20.4	82.6	57.2	197	52.8	146	122	258	347	28.7	263	61.0	6.35	3.30
2-1/2	55	1018678	1018687	38.9	105	69.9	267	69.1	184	148	324	455	35.1	335	79.5	6.35	6.35

6:1 Design Factor. Maximum Proof Load is 2 times the Working Load Limit. For Working Load Limit reduction due to side loading applications, see Warnings & Applications.





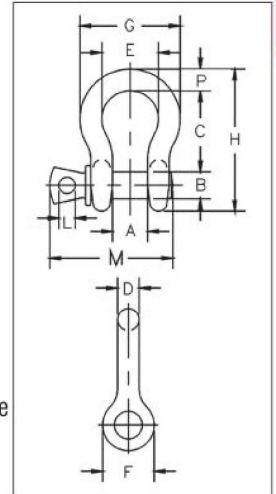
S-209T



- Flat black baked on powder coat finish.
- Forged, Quenched & Tempered, with alloy pins.
- Working Load Limit and Grade 6 permanently shown on every shackle.
- Fatigue rated to 20,000 cycles at 1-1/2 times the Working Load Limit.
- Industry leading 6 to 1 Design Factor.
- Screw pin anchor shackles meet the performance requirement of Federal Specification RR-C-271G, Type IVA, Grade A, Class 2, except for those provisions required of the contractor.
- Meets the performance requirements of EN 13889.
- Meets or exceeds all requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements. Importantly, these shackles meet other critical performance requirements including fatigue life, impact properties and material traceability, not addressed by ASME B30.26.

SHACKLES

1



S-209T Theatrical Shackles

Nominal Size (in)	Working Load Limit (t)	Stock No.	Weight Each (kg)	Dimensions (mm)													Tolerance (+ / - mm)	
				A	B	C	D	E	F	G	H	L	M	P	C	A		
3/8	1	1018706	.14	16.8	11.2	36.6	9.65	26.2	23.1	45.2	63.0	6.35	51.5	9.65	3.30	1.50		
7/16	1.5	1018724	.17	19.1	12.7	42.9	11.2	29.9	26.9	51.5	74.0	7.85	60.5	11.2	3.30	1.50		
1/2	2	1018742	.33	20.6	16.0	47.8	12.7	33.3	30.2	58.5	83.5	9.65	68.5	12.7	3.30	1.50		
5/8	3.25	1018760	.62	26.9	19.1	60.5	16.0	42.9	38.1	74.5	106	11.2	85.0	17.5	6.35	1.50		
3/4	4.75	1018778	1.07	31.8	22.4	71.5	19.1	51.0	46.0	89.0	126	12.7	101	20.6	6.35	1.50		

Maximum Proof Load is 2.0 times the Working Load Limit.



Ep. 46 Shackles designed for theatrical applications

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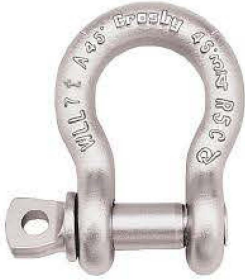
Ask the Expert

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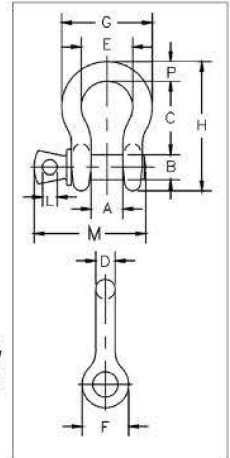




G-209A
Grade 8



- Forged alloy steel, Quenched & Tempered, with alloy pins.
- Meets performance requirements of Grade 8 shackles.
- Working Load Limit permanently shown on every shackle.
- Hot-dip galvanized.
- Size 3/8 inch is mechanically galvanized.
- Shackles can be furnished proof tested with certificates to designated standards, such as ABS, DNV, Lloyds, or other certification. Charges for proof testing and certification available when requested at the time of order.
- Approved for use at -40° C (-40° F) to 204° C (400° F).
- Meets or exceeds all requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements. Importantly, these shackles meet other critical performance requirements including impact properties and material traceability, not addressed by ASME B30.26.
- G-209A Screw pin anchor shackles meet the performance requirements of Federal Specification RR-C-271G, Type IVA, Grade B, Class 2, except for those provisions required of the contractor.



G-209A Alloy Screw Anchor Pin Shackles



APPLICATION AND WARNING INFORMATION SECTION 17

Nominal Size (in)	Working Load Limit (t)	Stock No.	Weight Each (kg)	Dimensions (mm)											Tolerance (+/- mm)	
				A	B	C	D	E	F	G	H	L	M	P	C	A
3/8	2	1017450	.14	16.8	11.2	36.6	9.65	26.2	23.1	45.2	63.5	6.35	51.5	9.65	3.30	1.50
7/16	2.67	1017472	.17	19.1	12.7	42.9	11.2	29.5	26.9	51.5	74.0	7.85	60.5	11.2	3.30	1.50
1/2	3.33	1017494	.29	20.6	16.0	47.8	12.7	23.3	30.2	58.5	83.5	9.65	68.5	12.7	3.30	1.50
5/8	5	1017516	.63	26.9	19.1	60.5	16.0	42.9	38.1	74.5	106	11.2	85.0	17.5	3.30	1.50
3/4	7	1017538	1.02	31.8	22.4	71.5	19.1	51.0	46.0	89.0	126	12.7	101	20.6	6.35	1.50
7/8	9.5	1017560	1.53	36.6	25.4	84.0	22.4	58.0	53.0	102	148	12.7	114	24.6	6.35	1.50
1	12.5	1017582	2.41	42.9	28.7	95.5	25.4	68.5	60.5	119	167	14.2	129	26.9	6.35	1.50
1-1/8	15	1017604	3.09	46.0	31.8	108	29.5	74.0	68.5	131	190	16.0	142	31.8	6.35	1.50
1-1/4	18	1017626	4.31	51.5	35.1	119	32.8	82.5	76.0	146	210	17.5	156	35.1	6.35	1.50
1-3/8	21	1017648	6.01	57.0	38.1	133	36.1	92.0	84.0	162	233	19.1	174	38.1	6.35	3.30

4.5:1 Design Factor. Maximum Proof Load is 2 times the Working Load Limit (metric tons) and 2.2 times the Working Load Limit (short tons). For Working Load Limit reduction due to side loading applications, see Warnings & Applications.

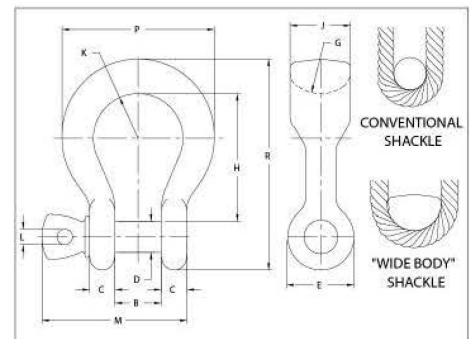
G-2169



S-2169



- Quenched & Tempered for maximum strength.
- Forged alloy steel.
- Available in galvanized (G) and self colored (S) finish.
- Individually proof tested and magnetic particle inspected. Crosby certification available at time of order.
- Meets or exceeds all requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements. Importantly, these shackles meet other critical performance requirements including fatigue life, impact properties and material traceability, not addressed by ASME B30.26.
- Look for the Red Pin®... the mark of genuine Crosby quality.



G-2169 / S-2169 Alloy Screw Pin Wide Body Shackles



APPLICATION AND WARNING INFORMATION SECTION 17

Working Load Limit (t)	G-2169 Stock No.	S-2169 Stock No.	Weight Each (kg)	Dimensions (mm)												
				B +/- .25	C	D +/- .02	E	G	H	J	K	L	M	P	R	
7	1021655	1021664	1.6	31.8	17.5	22.4	46.2	31.8	90.4	40.6	31.8	12.7	101	104	149	
12.5	1021673	1021682	4.0	42.9	23.4	28.7	60.5	34.8	118	54.1	41.4	14.2	130	140	194	
18	1021691	1021699	5.9	51.6	29.5	35.1	68.3	38.1	148	63.5	50.8	17.5	159	172	238	

5:1 Design Factor. Proof Load is 2 times the Working Load Limit.