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INSPECTION CERTIFICATE TO EN 10204 - TYPE 3.1

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Our order no.	Your ref. no.
154875	753580

Qty.	Description
100	GPGHBB06 G-4161, Green Pin® Standard Shackles, bow shackles with screw collar pin, to EN13889, hot dipped galvanized, grade 6, 1/4" x 5/16", WLL 0.5 ton

Material properties

Line	Charge no.	Yieldpoint (N/mm2)	Tensile Strength (N/mm2)	Elon-gation (%)	Impact test type: Charpy V (Joules)					Item	Traceability
					temp (°C)	1	2	3	Avg		
1	6612030560	980	1214	18						Bow	AH
2	6609100265	840	915	17						Pin	.

Chemical composition

Line	C %	Si %	Mn %	P %	S %	Cr %	Mo %	Ni %	V %	Cu %		
1	0.360	0.240	0.580	0.015	0.004	0.980	0.180	0.050		0.100		
2	0.340	0.220	0.470	0.012	0.009	0.880	0.170					

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Qty.	Description
100	GPGHBB10 G-4161, Green Pin® Standard Shackles, bow shackles with screw collar pin, to EN13889, hot dipped galvanized, grade 6, 3/8" x 7/16", WLL 1 ton

Material properties

Line	Charge no.	Yieldpoint (N/mm2)	Tensile Strength (N/mm2)	Elon-gation (%)	Impact test type: Charpy V (Joules)					Item	Traceability
					temp (°C)	1	2	3	Avg		
1	6614030385	979	1079	18						Bow	AJ
2	6612020145	886	965	19						Pin	.

Chemical composition

Line	C %	Si %	Mn %	P %	S %	Cr %	Mo %	Ni %	V %	Cu %		
1	0.350	0.190	0.560	0.014	0.004	0.960	0.160	0.060		0.090		
2	0.360	0.220	0.570	0.012	0.007	0.990	0.160					

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Qty.	Description
100	GPGHBB13 G-4161, Green Pin® Standard Shackles, bow shackles with screw collar pin, to EN13889, hot dipped galvanized, grade 6, 1/2" x 5/8", WLL 2 ton

Material properties

Line	Charge no.	Yieldpoint (N/mm2)	Tensile Strength (N/mm2)	Elon-gation (%)	Impact test type: Charpy V (Joules)					Item	Traceability
					temp (°C)	1	2	3	Avg		
1	6614060040	795	910	14	-20	59.5	59.5	59.5	60	Bow	AK
2	6614030405	934	1011	19	-20	84	82	83	83	Pin	AZ

Chemical composition

Line	C %	Si %	Mn %	P %	S %	Cr %	Mo %	Ni %	V %	Cu %		Al %
1	0.350	0.220	0.570	0.008	0.006	0.960	0.180	0.050		0.080		0.033
2	0.350	0.200	0.580	0.009	0.004	0.970	0.160					0.026

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Qty.	Description
100	GPGHBB16 G-4161, Green Pin® Standard Shackles, bow shackles with screw collar pin, to EN13889, hot dipped galvanized, grade 6, 5/8" x 3/4", WLL 3.25 ton

Material properties

Line	Charge no.	Yieldpoint (N/mm2)	Tensile Strength (N/mm2)	Elon-gation (%)	Impact test type: Charpy V (Joules)					Item	Traceability
					temp (°C)	1	2	3	Avg		
1	6614090147	770	900	14	-20	140.7	168.8	131.6	147	Bow	AL
2	6614060047	951	1013	18	-20	118	118	120	119	Pin	BA

Chemical composition

Line	C %	Si %	Mn %	P %	S %	Cr %	Mo %	Ni %	V %	Cu %		Al %
1	0.340	0.220	0.550	0.014	0.006	0.960	0.180	0.150		0.130		0.046
2	0.360	0.210	0.570	0.010	0.004	0.950	0.170					0.028

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Qty.	Description
100	GPGHBB19 G-4161, Green Pin® Standard Shackles, bow shackles with screw collar pin, to EN13889, hot dipped galvanized, grade 6, 3/4" x 7/8", WLL 4.75 ton

Material properties

Line	Charge no.	Yieldpoint (N/mm2)	Tensile Strength (N/mm2)	Elon-gation (%)	Impact test type: Charpy V (Joules)					Item	Traceability
					temp (°C)	1	2	3	Avg		
1	6614070196	800	905	14	-20	138.7	143.7	146.8	143	Bow	AK
2	6614040242	902	972	18	-20	110	120	115	115	Pin	AZ

Chemical composition

Line	C %	Si %	Mn %	P %	S %	Cr %	Mo %	Ni %	V %	Cu %		Al %
1	0.340	0.210	0.580	0.011	0.004	0.960	0.170	0.040		0.090		0.044
2	0.340	0.210	0.550	0.011	0.003	0.960	0.170					0.028

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Qty.	Description
100	GPGHBB22 G-4161, Green Pin® Standard Shackles, bow shackles with screw collar pin, to EN13889, hot dipped galvanized, grade 6, 7/8" x 1", WLL 6.5 ton

Material properties

Line	Charge no.	Yieldpoint (N/mm2)	Tensile Strength (N/mm2)	Elon-gation (%)	Impact test type: Charpy V (Joules)					Item	Traceability
					temp (°C)	1	2	3	Avg		
1	6614030526	810	930	14	-20	126	124	129	126	Bow	AJ
2	6613110640	883	974	17	-20	120	123	128	124	Pin	AY

Chemical composition

Line	C %	Si %	Mn %	P %	S %	Cr %	Mo %	Ni %	V %	Cu %		Al %
1	0.360	0.220	0.570	0.013	0.004	0.960	0.170	0.050		0.110		0.045
2	0.360	0.230	0.600	0.010	0.003	0.980	0.170					0.028

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Qty.	Description
50	GPGHBB25 G-4161, Green Pin® Standard Shackles, bow shackles with screw collar pin, to EN13889, hot dipped galvanized, grade 6, 1" x 1 1/8", WLL 8.5 ton

Material properties

Line	Charge no.	Yieldpoint (N/mm2)	Tensile Strength (N/mm2)	Elon-gation (%)	Impact test type: Charpy V (Joules)					Item	Traceability
					temp (°C)	1	2	3	Avg		
1	6614070198	780	900	14	-20	143.7	136.7	137.7	139	Bow	AL
2	6614070103	887	985	18	-20	125	134	136	132	Pin	BB

Chemical composition

Line	C %	Si %	Mn %	P %	S %	Cr %	Mo %	Ni %	V %	Cu %		Al %
1	0.360	0.220	0.570	0.013	0.005	0.960	0.170	0.050		0.080		0.048
2	0.350	0.210	0.560	0.015	0.003	0.960	0.170					0.028

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Qty.	Description
30	GPGHBB32 G-4161, Green Pin® Standard Shackles, bow shackles with screw collar pin, to EN13889, hot dipped galvanized, grade 6, 1 1/4" x 1 3/8", WLL 12 ton

Material properties

Line	Charge no.	Yieldpoint (N/mm2)	Tensile Strength (N/mm2)	Elon-gation (%)	Impact test type: Charpy V (Joules)					Item	Traceability
					temp (°C)	1	2	3	Avg		
1	579723	663	733	18	-20	167	160	171	166	Bow	AL6 GP
2	6614040070	745	889	22	-20	100	118	114	111	Pin	BA

Chemical composition

Line	C %	Si %	Mn %	P %	S %	Cr %	Mo %	Ni %	V %	Cu %		Al %
1	0.200	0.240	1.380	0.007	0.005	0.300	0.020	0.060	0.010	0.080		0.027
2	0.350	0.190	0.580	0.010	0.006	0.970	0.170					0.026

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Qty.	Description
10	GPGHBB38 G-4161, Green Pin® Standard Shackles, bow shackles with screw collar pin, to EN13889, hot dipped galvanized, grade 6, 1 1/2" x 1 5/8", WLL 17 ton

Material properties

Line	Charge no.	Yieldpoint (N/mm2)	Tensile Strength (N/mm2)	Elon-gation (%)	Impact test type: Charpy V (Joules)					Item	Traceability
					temp (°C)	1	2	3	Avg		
1	581458	689	833	15	-20	169	170	170	170	Bow	AM6 GP
2	263885	635	782	17	-20	152	152	150	151	Pin	GP6 BB

Chemical composition

Line	C %	Si %	Mn %	P %	S %	Cr %	Mo %	Ni %	V %	Cu %		Al %
1	0.210	0.230	1.360	0.008	0.003	0.300	0.010	0.070	0.010	0.080		0.029
2	0.190	0.210	1.370	0.007	0.008	0.310	0.020	0.070	0.010	0.120		0.029

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Qty.	Description
4	GPGHBB45 G-4161, Green Pin® Standard Shackles, bow shackles with screw collar pin, to EN13889, hot dipped galvanized, grade 6, 1 3/4" x 2", WLL 25 ton

Material properties

Line	Charge no.	Yieldpoint (N/mm2)	Tensile Strength (N/mm2)	Elon-gation (%)	Impact test type: Charpy V (Joules)					Item	Traceability
					temp (°C)	1	2	3	Avg		
1	579379	689	841	16	-20	168	171	164	168	Bow	AJBS6CE
2	6613080353	705	860	18	-20	47.5	48	48	48	Pin	AX

Chemical composition

Line	C %	Si %	Mn %	P %	S %	Cr %	Mo %	Ni %	V %	Cu %		Al %
1	0.200	0.230	1.380	0.007	0.005	0.310	0.020	0.070	0.010	0.080		0.028
2	0.350	0.200	0.560	0.012	0.008	0.950	0.160					0.028

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