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莱芜钢铁集团

淄博锚链有限公司

LAIWU STEEL GROUP ZIBO ANCHOR CHAIN CO.,LTD

Request
Quote

莱芜钢铁集团淄博锚链有限公司

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中国 山东

We produce perfect products with a will of iron
The sparks of wisdom and passion of the sea
And make our products run in the vast sea
show the charm of our anchor chains.

序 Preface

我们用
钢铁的意志
智慧的火花
大海的馈赠
打造出完美的产品
让其
驰骋浩瀚海洋
演绎锚链风采

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公司简介 Company Profile

莱芜钢铁集团淄博锚链有限公司简介

莱芜钢铁集团淄博锚链有限公司始建于1993年,是专业化从事船用锚链和海洋系泊链的生产企业。除总部设在山东淄博外,另在青岛市经济技术开发区设有分公司,现有员工700余人。

公司自创建以来,依托莱钢集团的优势,逐步发展成为年产近10万吨锚链和海洋系泊链的企业。产品70%出口到世界50多个国家和地区,是我国大型船用锚链和海洋系泊链生产和出口基地。主要生产Φ16mm—Φ132mm规格的AM2、AM3船用锚链,R3,R3S和R4海洋系泊链及其配套附件,以及满足用户需求的其他非标准产品。广泛使用在国内外各类船舶、海洋系泊工程及军事装备上,深受国际上著名船舶公司的信赖。

产品取得ABS, DNV, BV, CCS, GL, KR, LR, NK, RINA, RMRS, BKI和ZY等12个国际船级社的认可。获得了美国API和中国CSQA的ISO9001-2015质量管理体系, OSHMS18001职业安全健康管理体系和ISO14001环境管理体系认可。“大柱”牌锚链产品被评为山东省名牌产品,公司被列为高新技术企业。

为了满足日益发展的世界海洋工程和船舶市场需求,依托沿海优势寻求更大的发展,淄博锚链公司在青岛开发区建设了海洋系泊链生产基地,以生产R3、R3S、R4级海洋系泊链和大规模船用锚链为主,新厂区占地150余亩,环境优美、运输便捷,具有广阔的发展前景,欢迎各界朋友共谋发展,共创辉煌!



Brief Introduction to Laiwu Steel Group Zibo Anchor Chain Co., Ltd.

Laiwu Steel Group Zibo Anchor Chain Co., Ltd. was established in 1993, specializing in manufacturing marine anchor chains and offshore mooring chains. With head office in Zibo, Shandong, branch company located in economic and technical development zone of Qingdao. The Company has more than 700 staff.

Since its establishment, relying on the advantages of Laiwu Steel Group, the Company strives to become one of the biggest manufacturers for anchor chains and mooring chains in China with an annual output of 10,000 tons. 70 percentage of products are exported to more than 50 countries and regions all over the world. It was an important production and export base producing big-sized ship anchor chains and offshore mooring chains. Our company mainly produces φ16mm~φ132mm AM2, AM3 marine anchor chains, R3, R3S and R4 offshore mooring chains and fitting, as well as other non-standard products meeting the needs of the customers. Our products are widely used for various types of ships, offshore mooring projects and military equipment at home and abroad, deeply trusted by famous shipping firms in the world.

Our products have been certified by ABS of USA, DNV of Norway, BV of France, CCS of China, GL of Germany, KR of Korea, LR of Britain, NK of Japan, RINA of Italy, RMRS of Russia, ZY of China (issued by the Register of Fishing Vessel of the People's Republic of China) and BKI of Indonesia. We are also approved for ISO9001-2015 Quality Management System, OSMHS18001 Occupational Safety and Health Management System and ISO14001 Environmental Management System by API of USA and CSQA of China. Our "DAZHU" brand has been awarded the "Shandong Top Brand", and we are listed as the hi-tech enterprise in Shandong Province.

In order to satisfy the requirements of the ever-increasing development of global marine works and demands of ship market, we still seek for greater development relying on the advantage of coastal location, and built up a mooring chain production base in the economic and technical development zone of Qingdao, mainly manufacturing R3, R3S, R4 offshore mooring chains and big-sized marine anchor chains.

The new factory covers an area of 100,000m² with excellent environment and convenient transportation. So far, the offshore mooring chains produced by Qingdao Branch have been certified by ABS, BV, LR, BKI and CCS. With such broad development prospect, we warmly welcome friends from all over the world to seek for better development and create splendence together!



国际认可证书 International Approval Certificates



国际认可证书 International Approval Certificates

质量、健康、安全和环境管理体系认可证书 Quality HSE Approval Certificates



国际认可证书 International Approval Certificates

船用锚链认可证书

Anchor Chain Approval Certificates

CCS,ZY,ABS/DNV,GL,KR,LR,NK,BV,RINA,BKI,RMRS



国际认可证书 International Approval Certificates

系泊链认可证书

Mooring Chain Approval Certificates

CCS,BV,LR,ABS,BKI,API



设备与技术

Equipment and Technology



设备与技术

Equipment and Technology

公司拥有国内先进的专业设备与技术，包括：13条链条生产线，3座立式连续热处理炉，5000KN/10000KN/17000KN拉力试验机各一台，3台链条表面抛丸机，NDT检测设备及其他配套设备等，皆采用计算机自动控制。

We have domestic advanced equipment and technologies, including: 13 chain-making lines, 3 vertical-type continuous heat treatment furnaces, 3 tension testing machines with capacity of 5000KN/10000KN/17000KN respectively, 3 shot blasting machines, NDT testing machine and other support equipment; all the above are automatically controlled by the computers.



17000KN拉力试验机
17000KN tension testing machine



抛丸机
shot blasting machine



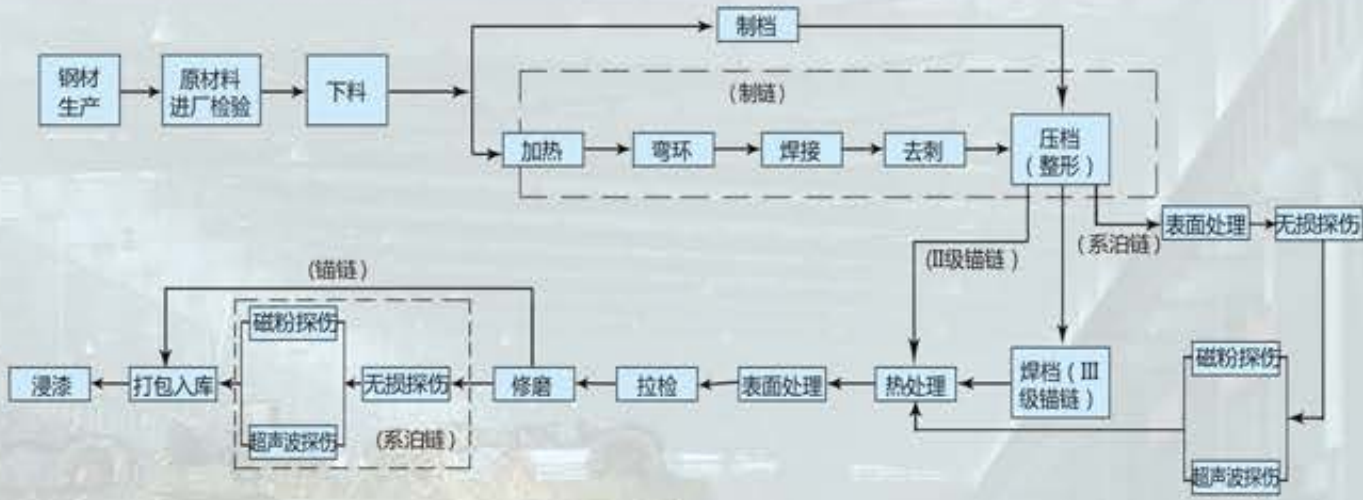
预热连续闪光对焊机组
Preheat continuous flash butt welding machine



立式连续热处理炉
vertical continuous heat treatment furnace

生产工艺流程图

Production Process



锚链制造工艺流程

Manufacturing Process of Anchor Chain

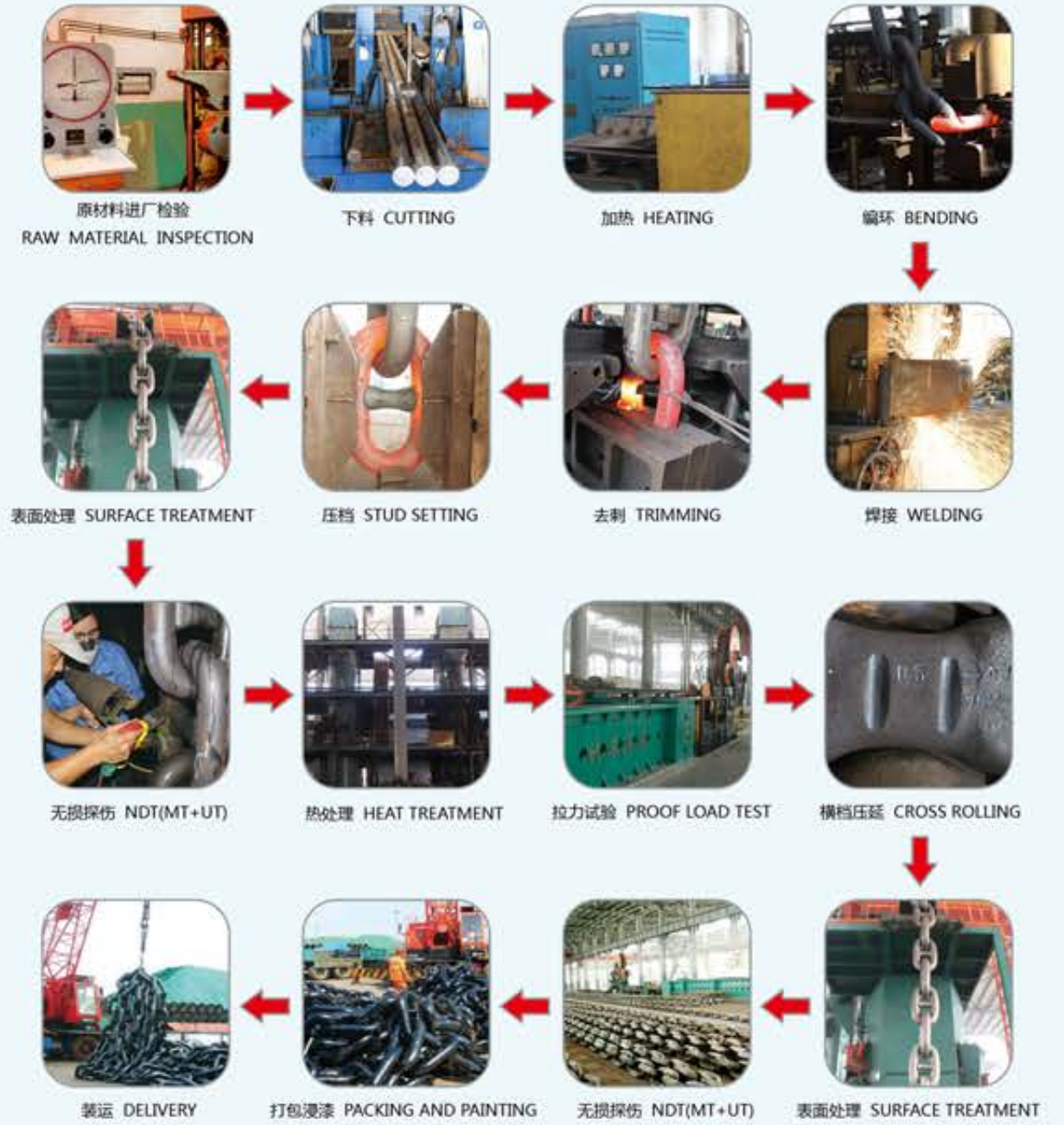


生产工艺流程图

Production Process

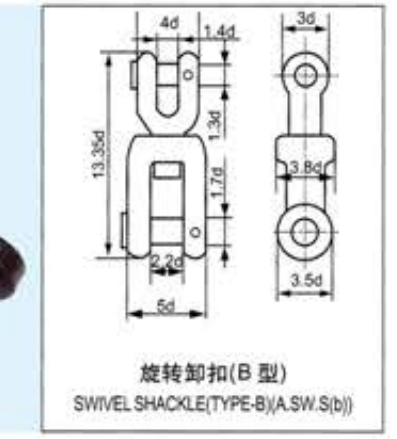
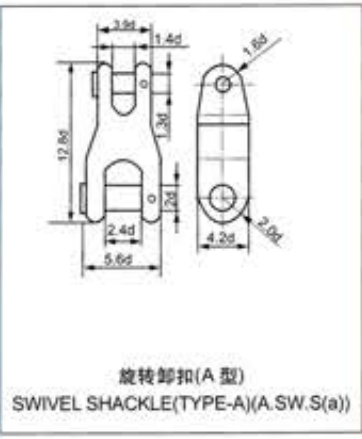
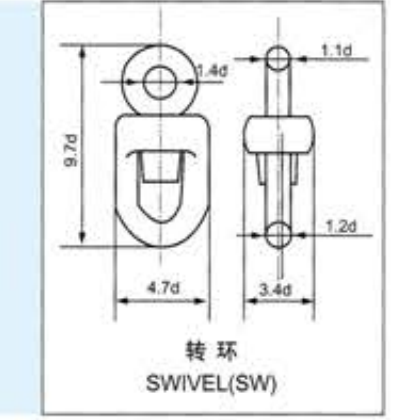
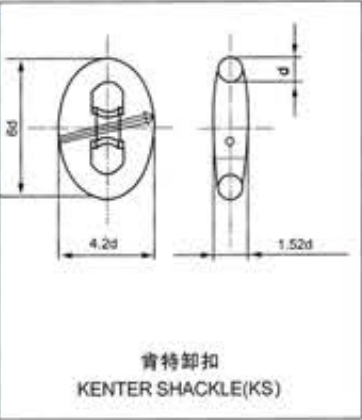
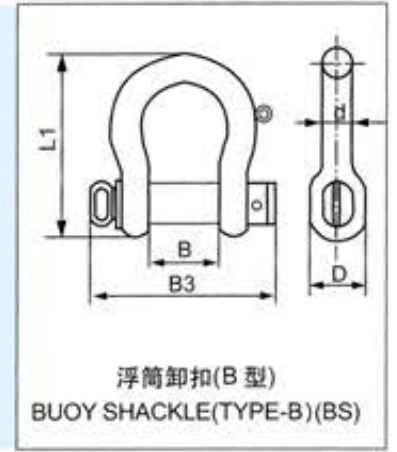
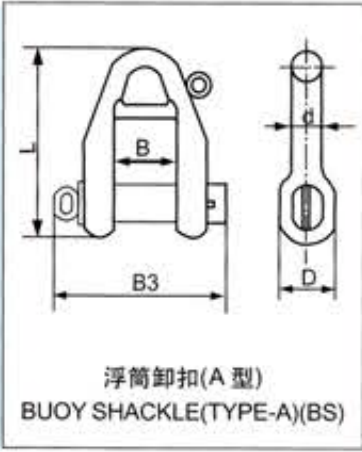
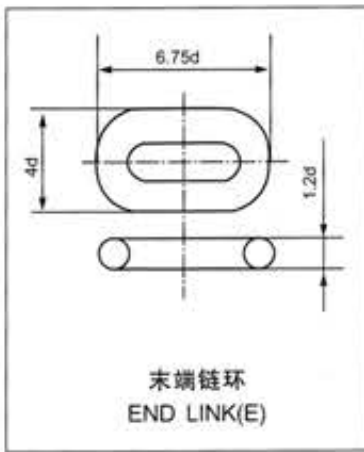
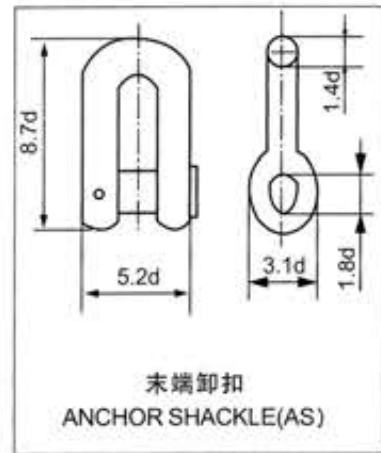
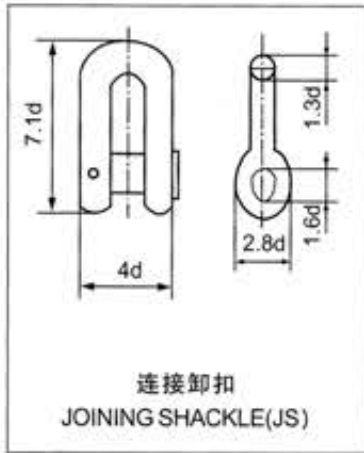
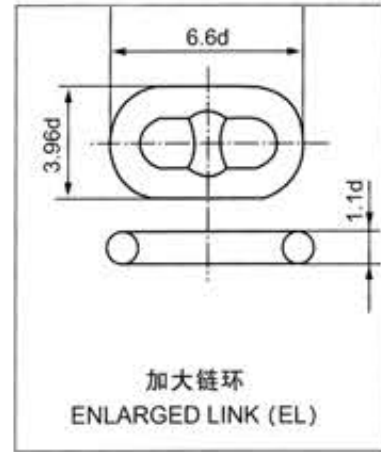
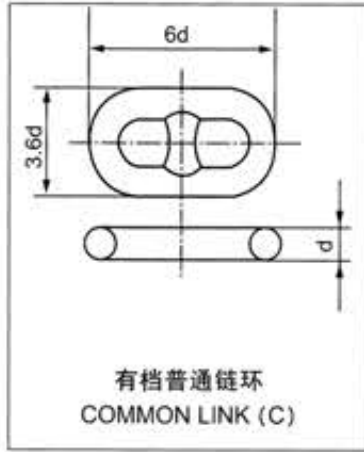
系泊链制造工艺流程

Manufacturing Process of Mooring Chain



产品图样

Drawings of Products



Forelock Shackle

Pear Shaped Link

Triangle Plate

Fittings of Mooring Chain

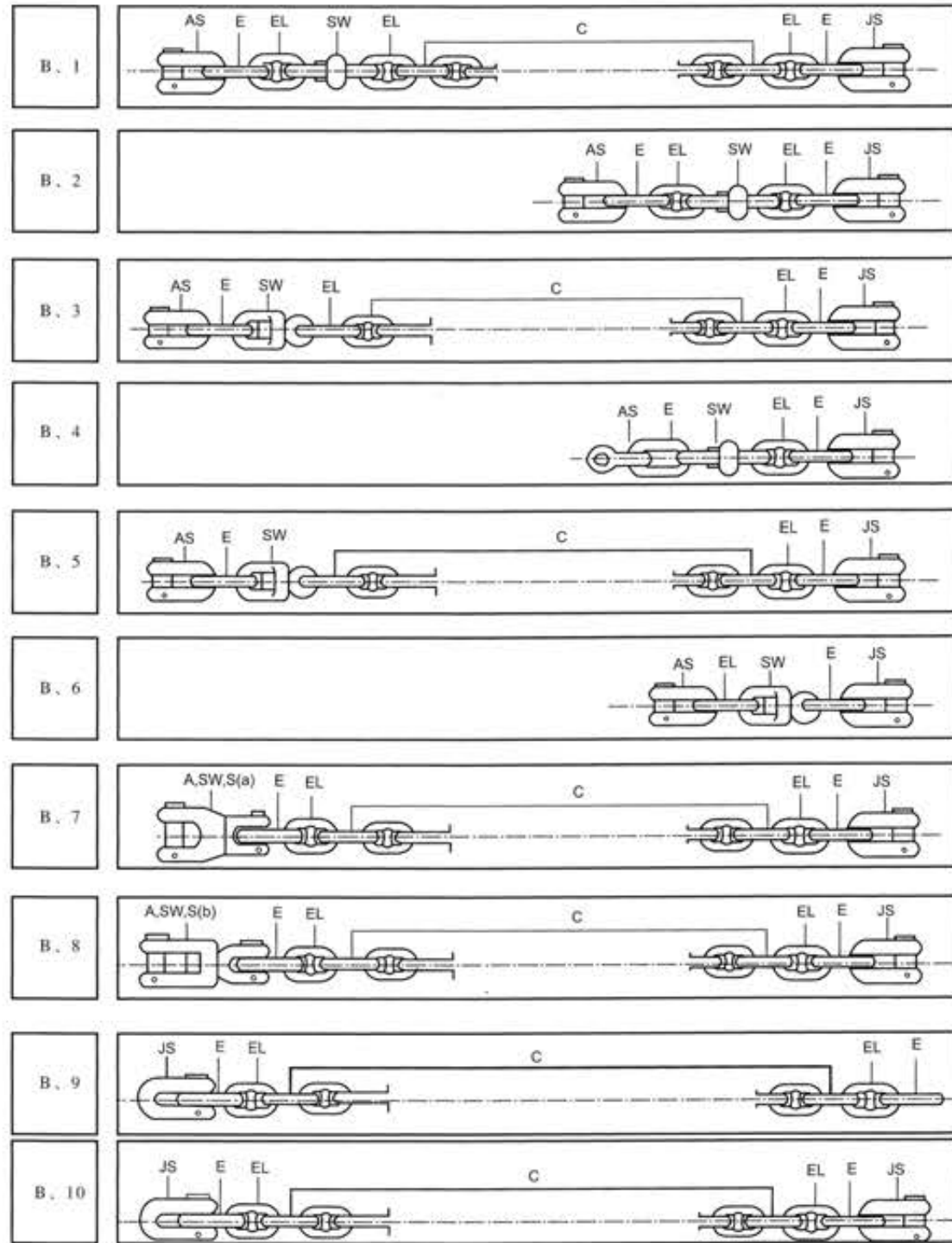


产品图样

Drawings of Products

锚链连接形式
“D”形连接卸扣连接形式

Joining Forms For “D” J.S.



船用锚链及附件试验负荷(公制)

Test Load of Anchor Chains and Fittings(METRIC)

(名义)链径 (NOMINAL) CHAIN DIAMETER (mm)	拉力试验负荷 PROOF TEST LOAD(KN)		拉断试验负荷 BREAKING TEST LOAD (KN)	
	二级 GRADE 2	三级 GRADE 3	二级 GRADE 2	三级 GRADE 3
17.5	127	179	179	256
19	150	211	211	301
20.5	175	244	244	349
22	200	280	280	401
24	237	332	332	476
26	278	389	389	556
28	321	449	449	642
30	368	514	514	735
32	417	583	583	833
34	468	655	655	937
36	523	732	732	1050
38	581	812	812	1160
40	640	896	896	1280
42	703	981	981	1400
44	769	1080	1080	1540
46	837	1170	1170	1680
48	908	1270	1270	1810
50	981	1370	1370	1960
52	1060	1480	1480	2110
54	1140	1590	1590	2270
56	1220	1710	1710	2430
58	1290	1810	1810	2600
60	1380	1940	1940	2770
62	1470	2060	2060	2940
64	1560	2190	2190	3130
66	1660	2310	2310	3300
68	1750	2450	2450	3500
70	1840	2580	2580	3690
73	1990	2790	2790	3990
76	2150	3010	3010	4300
78	2260	3160	3160	4500
81	2410	3380	3380	4820
84	2580	3610	3610	5160
87	2750	3850	3850	5500
90	2920	4090	4090	5840
92	3040	4260	4260	6080
95	3230	4510	4510	6440
97	3340	4680	4680	6690
100	3530	4940	4940	7060
102	3660	5120	5120	7320
105	3850	5390	5390	7700
107	3980	5570	5570	7960
111	4250	5940	5940	8480
114	4440	6230	6230	8890
117	4650	6510	6510	9300
120	4850	6810	6810	9720
122	5000	7000	7000	9990
124	5140	7200	7200	10280
127	5350	7490	7490	10710
130	5570	7800	7800	11140
132	5720	8000	8000	11420

锚链及附件试验负荷 TESTING LOAD OF ANCHOR CHAIN AND FITTINGS 英制单位:Inch

链径 Diameter Of Chain	锚链 ANCHOR CHAIN			
	等级 Grade 2		等级 Grade 3	
	拉力负荷 PL	破断负荷 BL	拉力负荷 PL	破断负荷 BL
Inch	lbf	lbf	lbf	lbf
5/8	23700	33200	33200	47500
11/16	28600	40100	40100	57300
3/4	34000	47600	47600	68000
13/16	39800	55700	55700	79500
7/8	46000	64400	64400	91800
15/16	52600	73700	73700	105000
1	59700	83600	83600	119500
1 1/16	67200	94100	94100	135000
1 1/8	75000	105000	105000	150000
1 3/16	83400	116500	116500	167000
1 1/4	92200	129000	129000	184000
1 5/16	101500	142000	142000	203000
1 3/8	111000	155000	155000	222000
1 7/16	120500	169000	169000	241000
1 1/2	131000	183500	183500	262000
1 9/16	142000	198500	198500	284000
1 5/8	153000	214000	214000	306000
1 11/16	166500	229000	229000	327000
1 3/4	176000	247000	247000	352000
1 13/16	188500	264000	264000	377000
1 7/8	201000	281000	281000	402000
1 15/16	214000	299000	299000	427000
2	227000	318000	318000	454000
2 1/16	241000	337000	337000	482000
2 1/8	255000	357000	357000	510000
2 3/16	269000	377000	377000	538000
2 1/4	284000	396000	396000	570000
2 5/16	299000	418000	418000	598000
2 3/8	314000	440000	440000	628000
2 7/16	330000	462000	462000	660000
2 1/2	346000	484000	484000	692000

锚链及附件试验负荷 TESTING LOAD OF ANCHOR CHAIN AND FITTINGS 英制单位:Inch

链径 Diameter Of Chain	锚链 ANCHOR CHAIN			
	等级 Grade 2		等级 Grade 3	
	拉力负荷 PL	破断负荷 BL	拉力负荷 PL	破断负荷 BL
Inch	lbf	lbf	lbf	lbf
2 9/16	363000	507000	507000	726000
2 5/8	379000	530000	530000	758000
2 11/16	396000	554000	554000	792000
2 3/4	413000	578000	578000	826000
2 13/16	431000	603000	603000	861000
2 7/8	449000	628000	628000	897000
2 15/16	467000	654000	654000	934000
3	485000	679000	679000	970000
3 1/16	504000	705000	705000	1008000
3 1/8	523000	732000	732000	1046000
3 3/16	542000	759000	759000	1084000
3 1/4	562000	787000	787000	1124000
3 5/16	582000	814000	814000	1163000
3 3/8	602000	843000	843000	1204000
3 7/16	622000	871000	871000	1244000
3 1/2	643000	900000	900000	1285000
3 9/16	664000	929000	929000	1327000
3 5/8	685000	958000	958000	1369000
3 3/4	728000	1019000	1019000	1455000
3 7/8	772000	1080000	1080000	1543000
3 15/16	794000	1111000	1111000	1587000
4	816000	1143000	1143000	1632000
4 1/8	862000	1207000	1207000	1724000
4 1/4	908000	1272000	1272000	1817000
4 3/8	956000	1338000	1338000	1911000
4 1/2	1004000	1405000	1405000	2008000
4 5/8	1053000	1474000	1474000	2105000
4 3/4	1102000	1543000	1543000	2204000
4 7/8	1153000	1613000	1613000	2305000
5	1203000	1685000	1685000	2407000
5 1/8	1255000	1757000	1757000	2509000
5 1/4	1306000	1829000	1829000	2613000

产品介绍
Products

船用锚链及附件重量 WEIGHT OF ANCHOR CHAINS AND FITTINGS

链径 Chain Diameter (mm)	有档锚链 Stud Link Chain Kg/27.5m	普环 Common Link Kg	加大环 Enlarged Link Kg	末端环 End Link Kg	肯特卸扣 Keuter Shackle Kg	连接卸扣 Joining Shackle Kg	末端卸扣 End Shackle Kg	转环 Swivel Kg	A型转环卸扣 Anchor Swivel Shackle Kg	B型转环卸扣 Anchor Swivel Shackle Kg
16	150	0.35	0.49	0.57	0.65	0.95	1.52	1.34	---	---
17.5	197	0.50	0.66	0.67	0.88	1.34	2.05	1.73	---	---
19	236	0.66	0.85	1.06	1.13	1.84	2.41	2.17	---	---
20.5	268	0.80	1.02	1.06	1.36	2.2	3.25	2.2	---	---
22	324	1.04	1.30	1.58	1.64	2.66	3.95	3.5	21	7.6
24	370	1.30	1.65	2.84	2.13	3.4	5.12	4.53		9.9
26	431	1.64	2.03	2.74	2.58	4.5	6.7	5.79	42	12.5
28	496	2.04	2.48	3.23	3.3	5.19	8.1	7.25		15.7
30	563	2.48	3.58	3.74	4.15	6.32	10	9	97	19.4
32	635	2.98	4.45	4.74	5.06	8.24	11.77	10.03		23.4
34	712	3.54	5.21	5.54	6.01	9.56	14.2	12.75		28
36	800	4.23	2.99	6.95	6.89	11.31	16.55	14.96	116	33.4
38	888	4.96	6.15	7.66	8.4	13.45	19.55	17.44		39.4
40	1033	6.04	8.01	8.2	9.63	15.5	22.8	20.25	125	46
42	1084	6.65	9.04	9.92	11	18.1	26	25.4		53
44	1197	7.73	10.25	11.42	12.45	20.25	29.71	26.6		61
46	1310	8.80	11.54	13.92	14.1	23.33	34.3	30.67	156	70
48	1438	10.06	14.44	15.67	16.7	27.5	38.0	35.0		79
50	1546	11.28	16.06	17.7	19.0	31.6	45.2	40.5	284	89
52	1661	12.68	17.85	18.97	20.3	34.0	50.9	49.5		101
54	1791	14.10	19.60	20.84	23.7	38.5	53.8	50.5	294	113
56	1926	15.66	21.69	23.55	26.7	46.0	63.0	55.0		126
58	2086	17.83	24.00	25.95	27.2	46.8	70.0	64.6		140
60	2249	19.90	26.00	28.48	27.7	51.0	77.5	71.3	323	155
62	2361	21.66	28.63	30.81	35	59.2	86.3	77.7		171
64	2516	23.51	31.13	32.7	38.4	62.7	96.3	83.3		188

产品介绍
Products

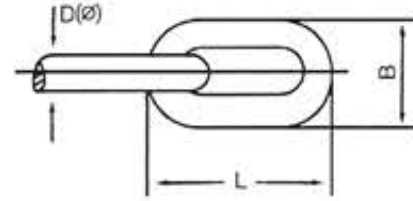
船用锚链及附件重量 WEIGHT OF ANCHOR CHAINS AND FITTINGS

链径 Chain Diameter (mm)	有档锚链 Stud Link Chain Kg/27.5m	普环 Common Link Kg	加大环 Enlarged Link Kg	末端环 End Link Kg	肯特卸扣 Keuter Shackle Kg	连接卸扣 Joining Shackle Kg	末端卸扣 End Shackle Kg	转环 Swivel Kg	A型转环卸扣 Anchor Swivel Shackle Kg	B型转环卸扣 Anchor Swivel Shackle Kg
66	2676	25.98	35.00	38.4	42.3	75	99.6	88.7	458	206
68	2885	28.60	39.72	39.5	46.0	76.7	102.6	100.0		225
70	3010	31.00	43.33	43.8	48.7	90	126.2	107.8	522	246
73	3274	35.20	48.30	49	53.0	95	138.2	125.6		278
76	3548	39.90	53.6	57.1	60.7	107	146	143.8		314
78	3737	43.00	59.9	62.3	65.5	116	164	154	815	340
81	4030	48.60	66.0	67.4	75	130	190	188		380
84	4334	53.50	69.0	74.4	90	136	212	198	1007	424
87	4650	58.90	81.1	84.6	96	160	237	215		472
90	4976	66.35	88.0	91	108	176	245	238		522
92	5199	71.22	97.5	100	114	196	257	252	1300	558
95	5544	78.08	101	109	128	215	300	269		614
97	5780	83.77	107	117	133	222	335	301		654
100	6143	89.03	120	127	146	252	353	330	1610	717
102	6398	95.50	130	134	158	267	378	344		761
105	6773	104.20	139	150	160	294	385	387	1827	830
107	7033	111.63	148	160	180	305	420	428		879
111	7569	124.08	161	171	198	325	463	448		980
114	7983	135.31	168	190	204	345	485	460	2022	1062
117	8409	147.53	177	209	225	365	528	475		1147
120	8863	155.49	204	229	250	400	570	547	2336	1131
122	9143	166.24	218	234	263	425	602	649		1199
124	9399	170.90	228	246	290	465	632	680	2636	1297
127	9830	185.47	244	269	312	499	679	729		1427
130	10300	194.34	264	293	333	536	729	784	2960	1560
132	10620	208.24	270	298	350	561	762	820		1662

无档锚链 OPEN LINK ANCHOR CHAIN/STUDLESS ANCHOR CHAIN

材料 MATERIAL:

(U1 : CM370; U2 : CM490; U3 : CM690;)



无档锚链 链环尺寸 (6×3.6D) 试验负荷 重量 OPEN LINK ANCHOR CHAIN/STUDLESS ANCHOR CHAIN, LINK SIZE (6×3.6D), TEST LOAD AND WEIGHT										
链径 D (Φ) DIAMETER	链环尺寸 CHAIN LINK SIZE			1级无档锚链 BM1 U1OPENLINKCHAIN		2级无档锚链 BM2 U2OPENLINKCHAIN		3级无档锚链 BM3 U3OPENLINKCHAIN		节重 APPROX WEIGHT 27.5M KG
	外长 L OUTSIDE LENGTH	外宽 B OUTSIDE WIDTH	拉力负荷 PROOF LOAD	破断负荷 BREAKING LOAD	拉力负荷 PROOF LOAD	破断负荷 BREAKING LOAD	拉力负荷 PROOF LOAD	破断负荷 BREAKING LOAD		
	INCH	MM	KN	KN	KN	KN	KN	KN		
5/8	16	96	57.6	47.10	94.72	66.20	132.30	92.42	184.83	139.43
11/16	17.5	105	63	56.35	113.31	78.89	157.78	110.55	221.10	178.35
3/4	19	114	68.4	66.42	133.57	93.60	187.20	130.32	260.64	217.68
13/16	20.5	123	73.8	77.33	155.49	108.64	217.27	151.70	303.42	229.14
7/8	22	132	79.2	89.06	179.08	125.40	250.90	174.40	349.40	264.49
15/16	24	144	86.4	105.98	213.25	149.90	298.90	207.90	415.80	341.82
1-1/16	26	156	93.6	124.38	250.12	175.40	350.80	244.00	488.00	369.94
1-1/8	28	168	100.8	144.26	290.08	203.80	406.70	283.00	566.00	427.04
1-3/16	30	180	108	165.60	333.00	234.20	467.50	324.00	649.80	490.98
1-1/4	32	192	115.2	188.42	378.88	265.60	531.20	369.60	739.30	559.65
1-5/16	34	204	122.4	212.70	427.72	299.90	599.80	417.30	834.60	671.52
1-7/16	36	216	129.6	238.46	479.52	336.10	672.30	467.80	935.70	707.85
1-1/2	38	228	136.8	265.70	534.28	374.40	748.70	521.30	1042.50	788.98
1-9/16	40	240	144	294.40	592.00	414.50	829.10	577.60	1155.20	869.36
1-5/8	42	252	151.2	324.58	652.68	457.70	915.30	636.80	1273.60	959.30
1-3/4	44	264	158.4	356.22	716.32	502.70	999.60	698.90	1398.00	1111.25
1-13/16	46	276	165.6	389.34	782.92	548.80	1097.60	763.90	1527.80	1152.07
1-7/8	48	288	172.8	423.94	852.48	597.80	1195.60	831.70	1663.50	1256.26
2	50	300	180	460.00	926.09	648.80	1293.60	902.50	1805.00	1360.41
2-1/16	52	312	187.2	497.54	1000.48	697.63	1395.26	976.14	1952.28	1485.61
2-1/8	54	324	194.4	536.54	1078.92	752.33	1504.66	1052.68	2105.36	1648.08
2-3/16	56	336	201.6	577.02	1160.32	809.09	1618.18	1132.10	2264.20	1715.97
2-5/16	58	348	208.8	618.98	1244.68	867.91	1735.82	1214.40	2428.80	1844.50
2-3/8	60	360	216	662.40	1332.00	928.80	1857.60	1299.60	2599.20	1973.29
2-7/16	62	372	223.2	707.30	1422.28	991.75	1983.50	1387.68	2775.36	2101.56
2-1/2	64	384	230.4	753.66	1515.52	1056.77	2113.54	1478.66	2957.32	2298.47
2-9/16	66	396	237.6	801.50	1611.72	1123.85	2247.70	1572.52	3145.04	2398.10
2-11/16	68	408	244.8	850.82	1710.88	1192.99	2385.98	1669.26	3338.52	2522.88
2-3/4	70	420	252	901.60	1813.00	1264.20	2528.40	1768.90	3537.80	2697.65

浮筒卸扣试验负荷 Test Load of Buoy Shackles

名义链径 (NOMINAL) CHAIN DIAMETER (mm)	d	L	L1	B	B2	D	试验负荷 TESTING LOAD(tf)		每套重量 WEIGHT(kg)		
							M2	M3	A型 TYPE-A	B型 TYPE-B	
							38	56	395	375	150
40	58	406	384	375	118	640.4(65.3)	896.3(91.4)	31.2	29.9		
42	59	416	394	379	125	703.1(71.7)	980.7(100)	35.2	34.0		
44	62	427	404	396	130	768.8(78.4)	1079(110)	40.6	39.3		
46	64	438	410	401	136	836.5(85.3)	1167(119)	45.9	44.5		
48	67	458	429	160	421	141	908.1(92.6)	1275(130)	52.4	50.6	
50	70	470	440		430	148	980.7(100)	1373(140)	59.4	56.9	
52	73	490	460		450	153	1059(108)	1481(151)	66.9	64.2	
54	76	504	472	170	457	161	1138(116)	1589(162)	74.3	71.5	
56	78	524	491		477	165	1216(124)	1706(174)	83.0	80.0	
58	81	538	503		492	172	1294(132)	1814(185)	92.5	89.3	
60	84	549	513		180	500	177	1383(141)	1942(198)	102	98.7
62	87	561	525			508	184	1471(150)	2059(210)	113	109
64	90	594	556	200	537	189	1559(159)	2187(223)	123	119	
66	92	606	566		545	195	1657(169)	2314(236)	136	131	
68	95	617	576		552	200	1746(178)	2452(250)	148	143	
70	98	628	586		570	207	1844(188)	2579(263)	161	154	
73	103	645	601		582	215	1991(203)	2795(285)	182	175	
76	106	663	615		594	223	2148(219)	3011(307)	205	197	
78	109	675	625		606	230	2256(230)	3158(322)	222	213	
81	112	697	641		624	242	2412(246)	3383(345)	250	239	
84	115	716	655		639	251	2579(263)	3609(368)	279	268	
87	118	735	670		648	259	2746(280)	3854(393)	311	298	
90	122	753	684		660	267	2922(298)	4089(417)	345	332	

摩擦链试验负荷 Test Load of Chafe Chains & Fittings

船舶吨位 SHIP'S DEAD WEIGHT (ton)	安全工作负荷 SWL IN KN(ton)	一级 GRADE1	二级 GRADE2	三级 GRADE3
20000 ≤ T ≤ 50000	1000 (102)	76mm	62mm	54mm
T ≥ 50000	2000 (204)	111mm	90mm	76mm

系泊链及附件试验负荷 TESTING LOAD OF MOORING CHAINS AND FITTINGS

链径 Diameter Of Chain	系泊链 MOORING CHAIN							
	ABS/DNV							
	C/EL/E/SL		C/EL/E	SL	C/EL/E/SL	C/EL/E	SL	C/EL/E/SL
	RQ3		R3S			R4		
拉力负荷 PL	破断负荷 BL	拉力负荷 PL	拉力负荷 PL	破断负荷 BL	拉力负荷 PL	拉力负荷 PL	破断负荷 BL	
mm	KN	KN	KN	KN	KN	KN	KN	
50	1560	2230	1800	1740	2490	2160	1920	2740
52	1681	2403	1940	1875	2683	2327	2069	2952
54	1806	2581	2083	2014	2882	2500	2222	3171
56	1934	2764	2231	2157	3086	2677	2380	3396
58	2066	2953	2384	2304	3297	2860	2543	3628
60	2202	3147	2541	2456	3514	3049	2710	3867
62	2342	3347	2702	2612	3737	3242	2882	4112
64	2485	3552	2867	2771	3966	3440	3058	4364
66	2632	3762	3036	2935	4200	3644	3239	4622
68	2782	3977	3210	3103	4440	3852	3424	4886
70	2936	4196	3387	3274	4686	4065	3613	5156
73	3173	4535	3661	3539	5064	4393	3905	5572
76	3417	4885	3943	3812	5454	4731	4206	6002
78	3584	5124	4136	3998	5721	4963	4411	6295
81	3841	5490	4432	4284	6130	5318	4727	6746
84	4104	5866	4735	4578	6550	5682	5051	7208
87	4374	6252	5047	4879	6981	6056	5383	7682
90	4651	6648	5366	5187	7423	6439	5724	8168
92	4838	6916	5583	5397	7723	6699	5955	8498
95	5125	7326	5914	5717	8180	7096	6308	9002
97	5320	7604	6138	5934	8491	7366	6547	9343
100	5616	8028	6480	6264	8964	7776	6912	9864
102	5817	8316	6712	6489	9285	8055	7160	10217
105	6123	8753	7065	6830	9774	8478	7536	10755
107	6330	9049	7304	7061	10104	8765	7791	11118
111	6751	9650	7789	7530	10775	9347	8309	11857
114	7072	10109	8160	7888	11288	9792	8704	12421
117	7398	10575	8536	8251	11808	10243	9105	12993
120	7728	11047	8917	8620	12335	10700	9511	13573
122	7951	11365	9174	8868	12690	11008	9785	13964

系泊链及附件试验负荷 TESTING LOAD OF MOORING CHAINS AND FITTINGS

链径 Diameter Of Chain	系泊链 MOORING CHAIN							
	ABS/DNV							
	C/EL/E/SL		C/EL/E	SL	C/EL/E/SL	C/EL/E	SL	C/EL/E/SL
	RQ3		R3S			R4		
拉力负荷 PL	破断负荷 BL	拉力负荷 PL	拉力负荷 PL	破断负荷 BL	拉力负荷 PL	拉力负荷 PL	破断负荷 BL	
mm	KN	KN	KN	KN	KN	KN	KN	
124	8175	11686	9433	9118	13048	11319	10062	14358
127	8515	12172	9825	9498	13591	11790	10480	14956
130	8859	12663	10222	9881	14140	12266	10903	15559
132	9090	12994	104888	10139	14509	12586	11188	15965

试验 负荷 公式	负荷 LOAD(KN)	R3 有档 STUD CHAIN	R3S 有档 STUD CHAIN	R4 有档 STUD LESSCHAIN
	拉力负荷 PL	0.0156 d2(44—0.08d)	0.0180 d2(44—0.08d)	0.0216d2(44—0.08d)
	破断负荷 BL	0.0223 d2(44—0.08d)	0.0249 d2(44—0.08d)	0.0274 d2(44—0.08d)
	负荷 LOAD(KN)	R3 无档 STUD LESSCHAIN	R3S 无档 STUD LESSCHAIN	R4 无档 STUD LESSCHAIN
拉力负荷 PL	0.0156 d2(44—0.08d)	0.01743 d2(44—0.08d)	0.01918 d2(44—0.08d)	
破断负荷 BL	0.0223 d2(44—0.08d)	0.0249 d2(44—0.08d)	0.0274 d2(44—0.08d)	

注：本负荷表参照“ABS”规范和“DNV”规范，所有负荷以公式计算结果为准。
Note: This load sheet refers to ABS rules and DNV rules, all loading data included in the sheet shall be calculated according to relevant formulas.

链径 Diameter Of Chain	系泊链 MOORING CHAIN								
	ABS/DNV								
	C/EL/E/SL		C/EL/E	SL	C/EL/E/SL		C/EL/E	SL	C/EL/E/SL
	RQ3		R3S			R4			
拉力负荷 PL	破断负荷 BL	拉力负荷 PL	拉力负荷 PL	破断负荷 BL	拉力负荷 PL	拉力负荷 PL	破断负荷 BL		
Inch	lbf	lbf	lbf	lbf	lbf	lbf	lbf	lbf	
2 1/4	451505	645920	520968	504400	720572	623764	555699	793827	
2 5/16	475401	680105	548540	531096	758708	656776	585109	835840	
2 3/8	499825	715046	576721	558381	797687	690519	615169	878782	
2 7/16	524771	750733	605505	586250	837499	724982	645872	922641	
2 1/2	550232	787157	634883	614693	878133	760157	677208	967406	
2 9/16	576201	824309	664847	643705	919578	796034	709170	1013064	
2 5/8	602672	862177	695390	673276	961823	832603	741750	1059604	
2 11/16	629637	900754	726504	703401	1004858	869857	774938	1107014	
2 3/4	657091	940029	758181	734071	1048672	907784	808727	1155282	
2 13/16	685025	979992	790414	765278	1093254	946377	843108	1204397	
2 7/8	713432	1020634	823194	797016	1138593	985625	878073	1254345	
2 15/16	742312	1061945	856514	829276	1184680	1025519	913614	1305116	
3	771650	1103917	890365	862051	1231501	1066050	949723	1356698	
3 1/16	801443	1146538	924742	895334	1279049	1107210	986391	1409079	
3 1/8	831683	1189799	959634	929117	1327310	1148987	1023610	1462247	
3 3/16	862364	1233692	995036	963393	1376275	1191374	1061371	1516190	
3 4/4	893480	1278205	1030938	998153	1425933	1234361	1099667	1570897	
3 5/16	925023	1323330	1067334	1033392	1476274	1277938	1138489	1626355	
3 3/8	956986	1369057	1104215	1069100	1527285	1322096	1177829	1682552	
3 7/16	989364	1415637	1141573	1105271	1578958	1366826	1217678	1739478	
3 1/2	1022149	1462278	1179402	1141896	1631280	1412119	1258029	1797119	
3 9/16	1055334	1509752	1217693	1178969	1684242	1457965	1298872	1855465	
3 5/8	1088913	1557790	1256438	1216482	1737832	1504356	1340200	1914503	
3 3/4	1157226	1655518	1335260	1292798	1846854	1598731	1424277	2034609	
3 7/8	1227033	1755383	1415807	1370783	1958261	1695171	1510194	2157342	
3 15/16	1262480	1806093	1456707	1410383	2014832	1733142	1553821	2219664	
4	1298280	1857309	1498015	1450377	2071967	1793600	1597883	2282608	

链径 Diameter Of Chain	系泊链 MOORING CHAIN								
	ABS/DNV								
	C/EL/E/SL		C/EL/E	SL	C/EL/E/SL		C/EL/E	SL	C/EL/E/SL
	RQ3		R3S			R4			
拉力负荷 PL	破断负荷 BL	拉力负荷 PL	拉力负荷 PL	破断负荷 BL	拉力负荷 PL	拉力负荷 PL	破断负荷 BL		
Inch	lbf	lbf	lbf	lbf	lbf	lbf	lbf	lbf	
4 1/8	1370914	1961219	1581824	1531521	2187886	1893946	1687279	2410311	
4 1/4	1444881	2067035	1667170	1614153	2305932	1996133	1778315	2540358	
4 3/8	1520126	2174681	1753992	1698214	2426019	2199986	1870925	2672653	
4 1/2	1596597	2284079	1842227	1783643	2548061	2205732	1965042	2807102	
4 5/8	1674239	2395153	1931814	1870381	2671972	2312996	2060602	2943610	
4 3/4	1752998	2508825	2022690	1958367	2797667	2421803	2157536	3082083	
4 7/8	1832820	2622019	2114793	2047541	2925058	2532079	2255779	3222425	
5	19136250	2737656	2208060	2137842	3054060	2643750	2355264	3364542	
5 1/8	1995440	2854661	2302431	2229212	3184588	2756742	2455926	3508340	
5 1/4	2078130	2972957	2397842	2321589	3316555	2870979	2557698	3653723	

试验 负荷 公式	有档系泊链 STUD LINKS OF MOORING CHAIN			
	负荷 (lbs)	R3 有档	R3S 有档	R4 有档
	拉力负荷 PL	2262 d2(44 — 2.032d)	2610 d2(44—2.032d)	3125 d2(44—2.032d)
	破断负荷 BL	3236 d2(44—2.032d)	3610 d2(44—2.032d)	3977 d2(44—2.032d)
试验 负荷 公式	无档链 STUDLESS LINKS			
	负荷 (lbs)	R3 无档	R3S 无档	R4 无档
	拉力负荷 PL	2262 d2(44—2.032d)	2527 d2(44—2.032d)	2784 d2(44—2.032d)
	破断负荷 BL	3236 d2(44—2.032d)	3610 d2(44—2.032d)	3977 d2(44—2.032d)

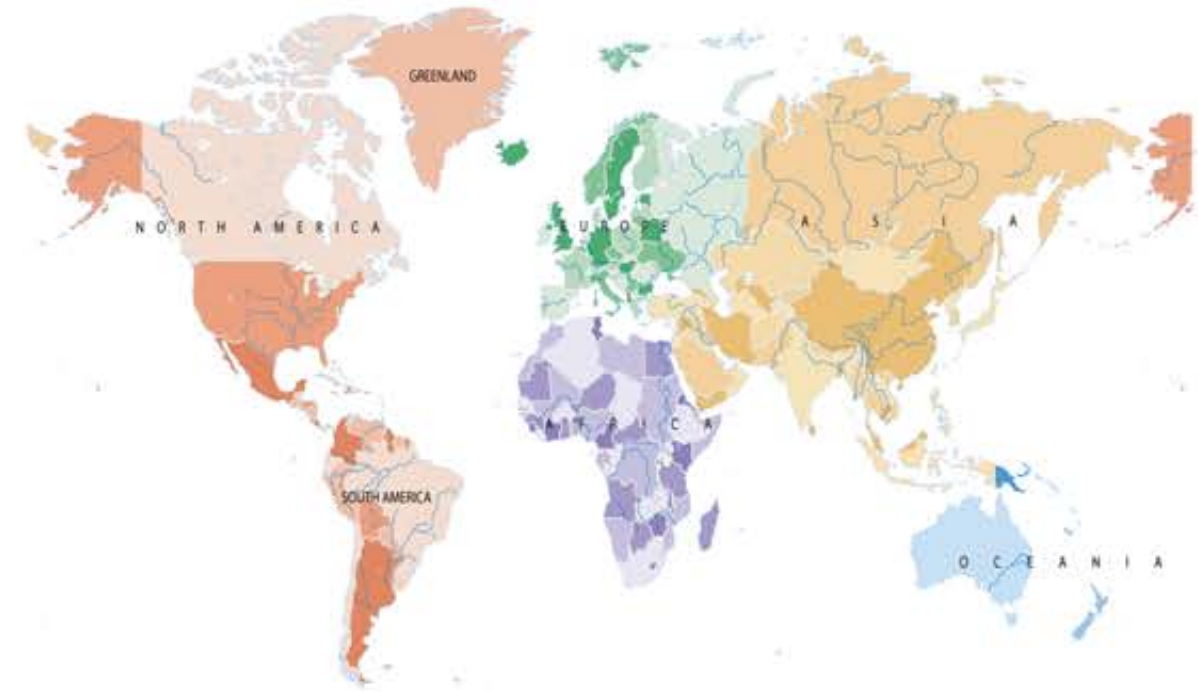
注: 本负荷表参照“ABS”规范和“DNV”规范, 所有负荷以公式计算结果为准。
Note: This load sheet refers to ABS rules and DNV rules, all loading data included in the sheet shall be calculated according to relevant formulas.

船用锚链、系泊链的力学性能 MECHANICAL PROPERTIES OF MARINE CHAINS AND MOORING CHAINS

锚链 Anchor Chain						
级别 Grade	屈服强度 Yield Point (N/m ² , min)	抗拉强度 Tensile Strength (N/m ² , min)	延伸率 Elongation (%, min)	断面收缩率 Reduction Of Area (%, min)	V型缺口冲击实验 Impact Test(V-notch)	
					实验温度 Test Temperature (°C)	平均能量 Impact (J, min)
GRADE 2	≥295	490-690	≥22	---	0	≥27
GRADE 3	≥410	≥690	≥17	≥40	0	≥60
						≥50(焊缝 weld)
GRADE 4	≥490	≥780	≥12	≥50	-20	≥45
						≥33(焊缝 weld)

系泊链 Mooring Chain							
级别 Grade	屈服强度 Yield Point (N/m ² , min)	抗拉强度 Tensile Strength (N/m ² , min)	延伸率 Elongation (%, min)	断面收缩率 Reduction Of Area (%, min)	V型缺口冲击实验 Impact Test(V-notch)		
					实验温度 Test Temperature (°C)	平均能量 Impact(J, min)	
						母材 Base Part	焊口 Weld Part
API Spec 2F(ORQ)	---	641	17	40	0	58	49
					-15	40	36
ABS/R3 DNV/NVR3	410	690	17	50	0	60	50
					-20	40	30
ABS/RQ3S DNV/NVR3S	490	770	15	50	0	65	53
					-20	45	43
ABS/RQ4 DNV/NVR4	580	860	12	50	-20	50	36

ABS : 最大屈服强度与最大抗拉强度之比 (屈强比) ≤0.92。
 ABS : The yield ratio ≤0.92.
 ABS : 硬度试验。Hardness test



国际市场 International Market

亚洲: 日本, 韩国, 新加坡, 印度, 菲律宾, 马来西亚, 越南, 沙特阿拉伯, 阿联酋, 印度尼西亚, 伊朗, 泰国,
 欧洲: 英国, 法国, 德国, 意大利, 瑞典, 挪威, 希腊, 荷兰, 俄罗斯, 西班牙, 葡萄牙, 罗马尼亚, 奥地利, 丹麦, 芬兰, 克罗地亚
 美洲: 加拿大, 美国, 墨西哥, 巴西, 阿根廷, 秘鲁, 智利
 大洋洲: 澳大利亚, 新西兰
 非洲: 南非, 利比亚, 埃塞俄比亚, 埃及, 摩洛哥, 尼日利亚, 赞比亚, 安哥拉, 纳米比亚, 马达加斯加

Asia: Japan, Korea, Singapore, India, Philippines, Malaysia, Vietnam, Saudi Arabia, The United Arab Emirates, Indonesia, Iran, Thailand
 Europe: England, France, Germany, Italy, Sweden, Norway, Greece, Holland, Russia, Spain, Portugal, Romania, Austria, Denmark, Finland, Croatia
 America: Canada, America, Mexico, Brazil, Argentina, Peru, Chile
 Oceania: Australian, New Zealand
 Afrika: South Africa, Libya, Ethiopia, Egypt, Morocco, Nigeria, Zambia, Angola, Namibia, Madagascar



国内市场 Domestic Market

上海, 青岛, 烟台, 大连, 重庆, 广州, 海南, 江苏, 福建, 天津, 秦皇岛, 浙江, 香港, 台湾。
 Shanghai, Qingdao, Yantai, Dalian, Chongqing, Guangzhou, Hainan, Jiangsu, Fujian, Tianjin, Qinhuangdao, Zhejiang, Hong Kong, Taiwan.

业绩与交流 Sales and Exchange

公司拥有完善的国内外销售网络与售后服务体系。锚链与海洋系泊链产品出口到世界50多个国家和地区。公司与国内外用户密切联系，保持互访、合作与交流，实现共赢共享。



业绩与交流 Sales and Exchange

We have excellent domestic and International sales network and aftersales service system, and have exported our products to over 50 countries and regions around the world. We also keep close contact with users at home and abroad, and visit, cooperate and communicate with each other regularly, striving for mutual benefit and sharing the fruits of our development.



企业文化 Culture of Enterprise

企业经营宗旨:精品赢得市场 诚信创造未来

Business philosophy: win market share with quality products and create the future with trustworthiness

企业精神:信恒如山 创新超越

Our spirit: constant belief like mountains, innovative and excel

企业管理理念:精益管理 追求卓越

Management idea: lean management, in pursuit of excellence

企业使命:为客户提供满意的产品和服务

Enterprise mission: provide customers with satisfactory products and services

企业核心价值观:共创 共进 共赢

Core values: co-creation, co-progress, win-win

公司愿景

Company Vision

山高人为峰,海深船为巅,
我们,以人为本,
抒发大海的气概,释放智慧的梦想,
用实力铸造不平凡,
努力打造具有竞争力的一流强企,
迎着胜利的曙光,
一起远航。

Man is the peak if the mountain is high
And ships are the summit if the sea is deep
We are to make achievements with great
strength strive to be a first-class competitive
enterprise and fulfill a bright future
Depending on human resource
Expressing the lofty ideals of the sea
And releasing the sparks of wisdom

