



千均不锈钢绳

QianJun Stainless Steel Wire Rope

产品手册 | PRODUCT MANUAL



目录

Table of Contents

01 公司简介 Company Profile

02 不锈钢化学成分 Chemical Composition

03 钢丝绳参数表 Wire Rope Specification (I)

04 钢丝绳参数表 Wire Rope Specification (II)

05 钢丝绳参数表 Wire Rope Specification (III)

06 操纵钢丝绳 Control Cable

07 涂塑料钢丝绳 Coated Wire Rope

08 扁绳 Flat Rope

09 应用领域 Applications

10 联系我们 Contact Us



不锈钢钢丝绳

STAINLESS STEEL WIRE ROPE

1570

N/mm²

抗拉强度级别
Tensile Grade

1770

N/mm²

抗拉强度级别
Tensile Grade

1870

N/mm²

抗拉强度级别
Tensile Grade

1960

N/mm²

抗拉强度级别
Tensile Grade

千均不锈钢绳制造专业生产各类不锈钢钢丝绳，采用优质 AISI304、AISI316 等牌号不锈钢原料拉丝捻制而成，具有极佳的抗腐蚀性、耐高温、耐低温性，广泛应用于石化工业、航空、汽车、渔业、精密仪器及建筑装饰等行业。不锈钢钢丝绳经过电解抛光后，表面更加光亮，抗腐蚀能力大大增加。经过低温处理，钢丝绳可达到更高的强度。

QianJun Stainless Steel Wire Rope Manufacturing specializes in producing various types of stainless steel wire ropes, made from high-quality AISI304, AISI316 and other grades of stainless steel wire drawing twist. With excellent corrosion resistance, high temperature resistance and low temperature resistance, our products are widely used in petrochemical industry, aviation, automobile, fishery, precision instrument and building decoration, etc. After electrolytic polishing, the surface is more bright and corrosion resistance is greatly increased. After low temperature treatment, wire rope can achieve higher strength.

核心优势 Core Advantages

- **先进设备** — 配备专业拉丝机、钢丝绳捻股机、合绳机、调直机、抛光及低温定型处理设备
Advanced Equipment — Equipped with professional wire drawing machines, rope twisting machines, stranding machines, straightening machines, polishing and low-temperature shaping equipment
- **产品齐全** — 涵盖操纵钢丝绳、通用钢丝绳、涂塑钢丝绳、扁绳等全系列产品
Complete Product Range — Covering control cables, general wire ropes, coated wire ropes, flat ropes and full series products
- **国际标准** — 产品符合 EN12385-4、DIN3052/3053/3055/3060、GB/T9944-2015、GB/T8918-2006 等标准
International Standards — Products comply with EN12385-4, DIN3052/3053/3055/3060, GB/T9944-2015, GB/T8918-2006 and other standards
- **品质保证** — 严格质量管控，可完全替代进口产品
Quality Assurance — Strict quality control, can completely replace imported products



不锈钢化学成分

CHEMICAL COMPOSITION FOR STAINLESS STEEL

牌号 Grade	C %	Ni %	Cr %	P %	S %	Si %	Mn %	Mo %
AISI304	≤0.08	8.0–10.5	18–20.0	≤0.045	≤0.03	≤0.75	≤2.0	–
AISI304L	≤0.03	8.0–10.5	18–20.0	≤0.045	≤0.03	≤0.75	≤2.0	–
AISI316	≤0.08	10.0–14.0	16–18.0	≤0.035	≤0.03	≤1.0	≤2.0	2.0–3.0
AISI316L	≤0.03	10.0–14.0	16–18.0	≤0.035	≤0.03	≤1.0	≤2.0	2.0–3.0

材料说明 Material Description

AISI304/304L — 最常用的不锈钢牌号，具有良好的耐腐蚀性和可加工性，广泛用于一般工业及民用领域。304L 为低碳版本，焊接性能更优。

AISI304/304L — The most commonly used stainless steel grade with good corrosion resistance and workability, widely used in general industrial and civil applications. 304L is the low-carbon version with better weldability.

AISI316/316L — 含钼（Mo）元素，耐腐蚀性能优于 304，特别适用于海洋环境、化工设备等高腐蚀场景。316L 为低碳版本，抗晶间腐蚀能力更强。

AISI316/316L — Contains Molybdenum (Mo) element with better corrosion resistance than 304, especially suitable for marine environment, chemical equipment and other highly corrosive scenarios. 316L is the low-carbon version with stronger resistance to intergranular corrosion.

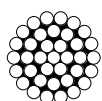
钢丝绳参数表

SPECIFICATION FOR WIRE ROPE



1×19

直径 Diameter mm	参考重量 Weight kg/100m	EN12385-4 最小破断拉力 Kn			DIN3053 最小破断拉力 Kn		GB/T9944-2015	GB/T8918-2006	
		1570	1770	1960	1570	1770	—	1570	1770
0.4	0.08	0.132	0.149	0.165	0.132	0.150	0.170	0.132	0.150
0.5	0.13	0.206	0.232	0.257	0.210	0.235	0.240	0.210	0.235
0.6	0.18	0.297	0.335	0.370	0.297	0.332	0.343	0.297	0.332
0.8	0.32	0.530	0.590	0.660	0.530	0.590	0.617	0.530	0.590
1.0	0.50	0.820	0.930	1.030	0.825	0.930	0.950	0.825	0.930
1.2	0.72	1.190	1.340	1.480	1.200	1.350	1.270	1.200	1.350
1.5	1.13	1.850	2.090	2.320	1.860	2.090	2.250	1.860	2.090
1.8	1.62	2.670	3.010	3.330	2.680	3.010	3.100	2.680	3.010
2.0	2.00	3.300	3.720	4.120	3.300	3.720	3.820	3.300	3.720
2.5	3.13	5.150	5.810	—	—	—	5.580	5.150	5.800
3.0	4.50	7.420	8.360	—	7.420	8.370	8.030	7.420	8.370
4.0	8.00	13.190	—	—	13.700	—	13.900	13.700	—
5.0	12.50	20.610	—	—	20.600	—	21.000	20.600	—
6.0	18.00	29.700	—	—	29.700	—	30.400	29.700	—
8.0	32.00	52.800	—	—	52.800	—	52.800	52.800	—

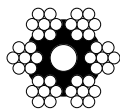


1×37

直径 Diameter mm	参考重量 Weight kg/100m	最小破断拉力Kn Min.Breaking Load Stainless steel
1.5	1.13	2.410
1.6	1.28	2.640
1.8	1.62	3.380
2.0	2.00	3.920
2.5	3.13	6.200
2.8	3.92	7.600
3.0	4.50	8.540
3.5	6.13	10.260
3.8	7.22	12.100
4.0	8.00	13.400
4.5	10.13	17.000
5.0	12.50	20.940

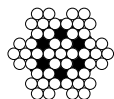
钢丝绳参数表 (续)

SPECIFICATION FOR WIRE ROPE (Continued)



6x7+FC

直径 Diameter mm	参考重量 Weight kg/100m	EN12385-4 最小破断拉力Kn			DIN3055		GB/T9944	GB/T8918	
		1570	1770	1960	1570	1770	—	1570	1770
1.0	0.36	0.520	0.590	0.650	0.520	0.590	0.660	0.520	0.590
1.5	0.81	1.170	1.330	1.460	1.170	1.330	1.500	1.170	1.330
2.0	1.44	2.080	2.350	2.600	2.080	2.350	2.600	2.080	2.350
2.5	2.25	3.260	3.670	4.070	3.260	3.670	4.100	3.260	3.670
3.0	3.24	4.690	5.290	5.860	4.690	5.290	5.300	4.690	5.280
4.0	5.76	8.340	9.400	10.400	8.340	9.410	9.500	8.330	9.400
5.0	9.00	13.030	14.700	16.300	13.030	14.700	13.100	13.000	14.600
6.0	12.96	18.800	21.200	—	18.800	21.100	19.100	18.700	21.100
8.0	23.04	33.400	37.600	—	33.400	37.600	33.500	33.300	37.600
10.0	36.00	52.100	58.800	—	52.200	58.800	52.200	52.100	58.700
12.0	51.84	75.100	84.600	—	75.100	84.700	75.000	75.000	84.600
14.0	70.56	102.200	—	—	102.000	—	102.000	102.000	—
16.0	92.16	133.400	—	—	134.000	—	134.000	132.000	—
18.0	116.64	170.000	—	—	169.000	—	169.000	168.000	—
20.0	144.00	210.000	—	—	209.000	—	209.000	208.000	—



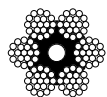
7x7(6x7+IWS)

直径 Diameter mm	参考重量 Weight kg/100m	EN12385-4 最小破断拉力Kn			DIN3055		GB/T9944	GB/T8918	
		1570	1770	1960	1570	1770	—	1570	1770
0.36	0.05	0.079	0.089	0.097	0.079	0.089	0.090	0.074	0.089
0.5	0.10	0.153	0.172	0.186	0.153	0.172	0.176	0.145	0.160
0.6	0.14	0.220	0.248	0.268	0.220	0.248	0.253	0.204	0.230
0.8	0.26	0.390	0.448	0.477	0.390	0.400	0.461	0.360	0.410
0.9	0.33	0.495	0.560	0.600	0.495	—	0.539	0.460	0.530
1.5	0.91	1.370	1.550	1.710	1.370	1.550	1.670	1.280	1.440
2.0	1.62	2.440	2.540	2.810	2.440	2.540	2.940	2.080	2.350
2.5	2.54	3.810	4.290	4.750	3.810	4.290	4.350	3.540	4.000
3.0	3.65	5.480	5.720	6.330	5.480	5.710	6.370	4.690	5.280
4.0	6.50	9.750	10.200	11.300	9.750	10.200	9.510	8.330	9.400
5.0	10.15	15.230	15.900	17.600	15.230	15.900	14.700	13.000	14.600
6.0	14.62	21.900	22.900	—	21.900	22.900	18.600	18.700	21.200
8.0	25.98	39.000	40.700	—	36.100	40.700	40.600	33.300	37.600
10.0	40.60	60.900	63.500	—	56.300	63.500	57.100	54.100	58.700
12.0	58.46	87.700	91.500	—	81.100	—	82.100	75.000	84.600

直径 Diameter	参考重量 Weight	EN12385-4 最小破断拉力Kn			DIN3055		GB/T9944	GB/T8918	
		1570	1770	1960	1570	1770	—	1570	1770
16.0	103.94	156.500	—	—	144.000	—	144.000	133.000	—
20.0	162.40	244.500	—	—	225.000	—	225.000	208.000	—

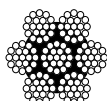
钢丝绳参数表 (续)

SPECIFICATION FOR WIRE ROPE (Continued)



6x19+FC

直径 Diameter mm	参考重量 Weight kg/100m	EN12385-4 最小破断拉力 Kn		DIN3060 最小破断拉力 Kn		GB/T9944-2015	GB/T8918-2006	
		1570	1770	1570	1770	—	1570	1770
1.5	0.81	1.09	1.22	1.09	1.22	1.22	1.26	1.42
1.8	1.17	1.56	1.77	1.56	1.77	1.77	1.82	2.05
2.0	1.44	1.92	2.17	1.92	2.17	2.17	2.27	2.56
2.5	2.25	3.01	3.39	3.01	3.39	3.39	3.55	4.00
3.0	3.24	4.34	4.89	4.34	4.90	4.90	4.69	4.89
4.0	5.76	7.71	8.69	7.71	8.70	7.71	8.71	9.82
5.0	9.00	12.05	13.58	12.05	13.60	12.05	13.00	13.50
6.0	12.96	17.40	19.60	17.40	19.60	17.40	18.70	19.60
8.0	23.04	30.80	34.80	30.80	—	30.90	33.30	34.30
10.0	36.00	48.20	54.60	48.20	—	48.20	52.10	54.30
12.0	51.84	69.40	78.20	—	—	69.50	75.00	78.20
14.0	70.56	94.50	106.50	94.60	107.00	94.60	102.00	106.00
16.0	92.16	123.40	139.10	—	—	124.00	133.00	139.00
18.0	116.64	156.00	—	—	—	156.00	168.00	—
20.0	144.00	193.00	—	193.00	—	193.00	208.00	—



7x19(6x19+IWS)

直径 Diameter mm	参考重量 Weight kg/100m	EN12385-4 最小破断拉力 Kn		DIN3060 最小破断拉力 Kn		GB/T9944-2015	GB/T8918-2006	
		1570	1770	1570	1770	—	1570	1770
1.5	0.92	1.26	1.43	1.26	1.43	1.43	1.26	1.43
1.8	1.32	1.82	2.05	—	—	2.05	1.82	2.02
2.0	1.63	2.27	2.56	2.27	2.56	2.56	2.27	2.56
2.5	2.55	3.55	4.00	3.55	4.00	4.00	3.55	4.00
3.0	3.68	5.12	5.77	5.12	5.77	5.77	4.69	5.28
4.0	6.53	9.09	10.25	—	—	10.70	8.33	9.40
5.0	10.21	14.21	16.02	14.21	21.20	17.40	13.00	14.60
6.0	14.70	20.50	23.10	20.50	28.20	23.50	18.70	21.10
8.0	26.14	36.40	41.00	33.30	—	40.10	33.30	37.60
10.0	40.84	56.80	64.10	52.10	58.80	56.80	52.10	58.70
12.0	58.81	81.80	92.30	—	—	81.80	75.00	84.60
14.0	80.05	111.40	125.60	—	—	111.40	102.00	115.00
16.0	104.55	145.50	164.00	—	—	156.00	133.00	150.00
18.0	132.32	181.70	—	—	—	181.70	168.00	—
20.0	163.36	224.40	—	208.00	235.00	224.40	208.00	—

直径 Diameter	参考重量 Weight	EN12385-4 最小破断拉力 Kn		DIN3060 最小破断拉力 Kn		GB/T9944- 2015	GB/T8918- 2006	
		1570	1770	1570	1770	—	1570	1770
22.0	197.67	271.50	—	—	—	271.50	252.00	—
24.0	235.24	323.00	—	—	—	323.00	300.00	—
26.0	276.08	378.00	—	—	—	378.00	352.00	—
28.0	320.19	439.80	—	—	—	439.80	408.00	—



操纵钢丝绳

CONTROL CABLE

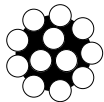
用途：汽车、摩托车控制索、刹车线及后视镜控制线、车窗升降拉线以及医疗器械操纵线。

Uses: car, motorcycle control cable, brake line and rearview mirror control line, window lift cable and medical device steering line.



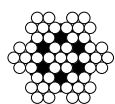
1×7

直径 Diameter mm	参考重量 Weight kg/100m	EN12385-4 最小破断拉力Kn Min.Breaking Load			DIN3052 最小破断拉力 Kn		GB/T9944- 2015	GB/T8918-2006	
		1570mm ²	1770mm ²	1960mm ²	1570mm ²	1770mm ²	-	1570mm ²	1770mm ²
0.25	0.03	0.054	0.061	0.067	0.054	0.054	0.063	0.054	0.061
0.3	0.05	0.078	0.088	0.097	0.090	0.090	0.093	0.078	0.087
0.4	0.08	0.138	0.156	0.172	0.139	0.139	0.157	0.139	0.154
0.5	0.13	0.216	0.243	0.269	0.220	0.220	0.255	0.220	0.240
0.6	0.18	0.311	0.350	0.388	0.308	0.308	0.382	0.308	0.347
0.8	0.32	0.552	0.622	0.689	0.547	0.547	0.667	0.547	0.617
0.9	0.41	0.699	0.788	0.872	0.695	0.695	0.823	0.695	0.768
1.0	0.50	0.863	0.973	1.080	0.855	0.855	1.000	0.855	0.971
1.2	0.72	1.242	1.401	1.550	1.245	1.245	1.320	1.245	1.390
1.5	1.13	1.940	2.190	2.420	1.920	1.920	2.200	1.920	2.170
1.8	1.62	2.800	3.150	3.490	2.800	2.800	2.800	2.800	3.120
2.0	2.00	3.450	3.890	4.310	3.420	3.420	3.420	3.420	3.850
2.5	3.13	5.390	6.080	-	5.340	5.340	5.340	5.340	6.020
3.0	4.50	7.770	8.750	-	7.690	7.690	7.690	7.690	8.670
4.0	8.00	13.800	-	-	13.700	13.700	13.700	13.700	-
5.0	12.50	21.600	-	-	-	-	21.400	21.400	-
6.0	18.00	31.100	-	-	30.800	30.800	30.800	30.800	-



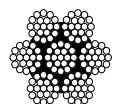
1×12[3+9]

直径 Diameter mm	参考重量 Weight kg/100m	最小破断拉力Kn Min.Breaking Load Stainless steel
1.0	0.49	0.930
1.2	0.71	1.370
1.4	0.96	1.860
1.5	1.10	2.100
1.6	1.25	2.400
1.8	1.59	3.040
2.0	1.96	3.510
2.5	3.06	5.040
2.8	3.84	6.615
3.0	4.41	7.560



7×7

直径 Diameter	参考重量 Weight	最小破断拉力Kn Min.Breaking Load
mm	kg/100m	Stainless steel
0.80	0.26	0.507
1.00	0.41	0.791
1.20	0.58	1.140
1.25	0.63	1.236
1.50	0.91	1.780
1.60	1.04	2.025
1.8	1.32	2.445
2.00	1.62	3.019
2.50	2.54	4.720
2.80	3.18	5.600
3.00	3.65	6.430
3.20	4.16	7.315
3.50	4.97	8.752
3.60	5.26	9.260
4.00	6.50	11.430
4.50	8.22	14.470
4.80	9.35	16.460
5.00	10.12	17.860
5.50	12.28	21.600
6.00	14.62	25.720



7×19

直径 Diameter	参考重量 Weight	最小破断拉力Kn Min.Breaking Load
mm	kg/100m	Stainless steel
1.50	0.92	1.960
1.80	1.32	2.250
2.00	1.63	3.030
2.50	2.55	4.831
2.80	3.20	5.473
3.00	3.68	6.283
3.50	5.00	8.551
4.00	6.53	11.170
4.50	8.27	14.136
4.80	9.41	16.084
5.00	10.21	17.453
6.00	14.70	25.132



涂塑料钢丝绳参数表

SPECIFICATION FOR COATED WIRE ROPE

钢丝绳表面可包覆尼龙、PVC、聚氨酯等，颜色可调。

Wire rope surface coating can be coated nylon, PVC, polyurethane, etc., color adjustable.

公制规格 Metric (mm)



1×7

涂前直径 Inner Ømm	涂后直径 Outer Ømm	参考重量 Weight kg/100m
0.20	0.27	0.024
0.27	0.35	0.042
0.30	0.38	0.051
0.35	0.40	0.066
0.40	0.50	0.090
0.45	0.53	0.110
0.50	0.60	0.138
0.60	0.80	0.212
0.80	1.00	0.361
1.00	1.20	0.550
1.20	1.50	0.812
1.50	1.80	1.238
1.80	2.30	1.853
2.00	2.50	2.256



7×7

涂前直径 Inner Ømm	涂后直径 Outer Ømm	参考重量 Weight kg/100m
0.36	0.45	0.061
0.45	0.53	0.091
0.50	0.60	0.114
0.60	0.80	0.178
0.80	1.00	0.301
1.00	1.20	0.456
1.20	1.50	0.677
1.50	1.80	1.026
2.00	3.00	2.193
3.00	5.00	5.475
4.00	6.00	8.773
5.00	7.00	12.882
6.00	8.00	17.803

英制规格 Imperial (inch)



7×19

涂前直径 Inner Øinch	涂后直径 Outer Øinch	参考重量 Weight kg/100m
1/16	3/32	0.95
1/16	1/8	1.29
3/32	1/8	1.92
3/32	5/32	2.37
1/8	3/16	3.79
1/8	7/32	4.43
5/32	7/32	5.57
5/32	1/4	6.31
3/16	1/4	7.70
1/4	5/16	13.01
5/16	7/16	22.11
3/8	1/2	30.34



7×7

涂前直径 Inner Øinch	涂后直径 Outer Øinch	参考重量 Weight kg/100m
1/32	3/64	0.24
3/64	1/16	0.48
1/16	3/32	0.94
1/16	1/8	1.29
3/32	1/8	1.92
3/32	5/32	2.36
1/8	3/16	3.78



7x19

涂前直径 Inner Ømm	涂后直径 Outer Ømm	参考重量 Weight kg/100m
1.2	1.5	0.680
1.5	1.8	1.032
2.0	3.0	2.203
3.0	5.0	5.497
4.0	6.0	8.811
5.0	7.0	12.942
6.0	8.0	17.890
8.0	10.0	30.235
10.0	12.0	45.848
12.0	14.0	64.729



扁绳参数表

SPECIFICATION FOR FLAT ROPE



7×7



7×19



1×19

结构 Construction		7×7			7×19			1×19		
		1.5	2.0	3.0	2.0	3.0	4.0	1.5	2.0	3.0
W=50	H	86.6	86.6	86.6	86.6	86.6	–	86.6	86.6	86.6
	X	50.0	50.0	50.0	50.0	50.0	–	50.0	50.0	50.0
W=60	H	104.0	104.0	104.0	104.0	104.0	–	104.0	104.0	104.0
	X	60.0	60.0	60.0	60.0	60.0	–	60.0	60.0	60.0
W=70	H	121.2	121.2	121.2	121.2	121.2	–	121.2	121.2	121.2
	X	70.0	70.0	70.0	70.0	70.0	–	70.0	70.0	70.0
W=80	H	138.6	138.6	138.6	138.6	138.6	–	138.6	138.6	138.6
	X	80.0	80.0	80.0	80.0	80.0	–	80.0	80.0	80.0
W=100	H	173.2	173.2	173.2	173.2	173.2	–	173.2	173.2	173.2
	X	100.0	100.0	100.0	100.0	100.0	–	100.0	100.0	100.0
W=120	H	207.8	207.8	207.8	207.8	207.8	–	207.8	207.8	207.8
	X	120.0	120.0	120.0	120.0	120.0	–	120.0	120.0	120.0
W=140	H	242.4	242.4	242.4	242.4	242.4	–	242.4	242.4	242.4
	X	140.0	140.0	140.0	140.0	140.0	–	140.0	140.0	140.0
W=160	H	277.2	277.2	277.2	277.2	277.2	–	277.2	277.2	277.2
	X	160.0	160.0	160.0	160.0	160.0	–	160.0	160.0	160.0
W=180	H	312.0	312.0	312.0	312.0	312.0	–	312.0	312.0	312.0
	X	180.0	180.0	180.0	180.0	180.0	–	180.0	180.0	180.0

H = 最小破断拉力 Min. Breaking Load (Kn) | X = 宽度 Width (mm) | W = 绳宽 Rope Width (mm)



应用领域

APPLICATIONS

千均不锈钢钢丝绳广泛应用于以下领域：

QianJun stainless steel wire ropes are widely used in the following fields:



石化工业

Petrochemical Industry

耐腐蚀钢丝绳用于化工设备、管道支撑及安全防护系统。

Corrosion-resistant wire ropes for chemical equipment, pipeline support and safety systems.



航空航天

Aviation & Aerospace

高强度操纵钢丝绳用于飞行器控制系统及精密操控。

High-strength control cables for aircraft control systems and precision operation.



汽车制造

Automotive Manufacturing

刹车线、油门线、车窗升降拉线、后视镜控制线等。

Brake cables, throttle cables, window lift cables, rearview mirror control lines.



渔业 & 海洋

Fishery & Marine

316不锈钢绳耐海水腐蚀，适用于渔具、船舶索具、海洋工程。

316 stainless steel wire ropes resist seawater corrosion for fishing gear, marine rigging.



医疗器械

Medical Devices

微型精密钢丝绳用于内窥镜操纵线、手术器械传动系统。

Micro precision wire ropes for endoscope steering lines and surgical instrument drive systems.



建筑装饰

Architecture & Decoration

不锈钢绳用于幕墙拉索、栏杆扶手、灯饰吊索等装饰工程。

Stainless steel wire ropes for curtain wall cables, railing handrails, lighting suspension.



精密仪器

Precision Instruments

高精度微型钢丝绳用于仪器仪表传动和自动化控制。

High-precision micro wire ropes for instrument transmission and automation control.



体育健身

Sports & Fitness

涂塑钢丝绳用于健身器材拉索、跳绳等运动器材。

Coated wire ropes for fitness equipment cables, jump ropes and sports equipment.



摩托车 & 自行车

Motorcycle & Bicycle

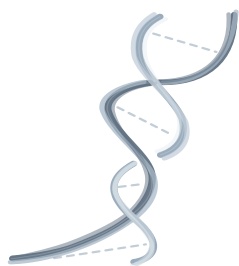
操纵钢丝绳用于刹车线、离合器线、变速线等控制系统。

Control cables for brake lines, clutch lines, shift cables and control systems.



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wholeheartedly!*