

Name

Low round Semi-tubular 3 × 5

①
②
③
④

① Type of head (Low round, truss, flat, countersunk and round)
 ② Rivet type (Semi-tubular)
 ③ Nominal diameter (See the specification table.)
 ④ Under-head shank length (See the specification table.)

① Head ② Rivet type
 ③ Nominal diameter
 ④ Under-head shank length

Types of heads

Low round	Truss	Flat	Countersunk	Round head

Rivet type

Semi-tubular

Types of materials and relevant JIS

Materials			Relevant JIS
Description	Code		
Iron	Carbon steel wire	SWCH	JIS G 3507 "Carbon steels for cold heading"
Brass	Brass wire	C2700W	JIS H 3260 "Copper and copper alloy wires"
Copper	Tough pitch copper wire	C1100W	
Aluminum	Aluminum drawn wire	A1070W	JIS H 4040 "Aluminum or aluminum alloy wire"
		A1200W	
	Aluminum alloy drawn wire	A5052W	
		A5056W	
Stainless steel	Stainless steel wire	SUS430-WR	JIS G 4308 "Stainless steel wire"
		SUSXM7-WR	

Strength test results by material and shank diameter

Nominal diameter		Unit (kN)									
		φ1.2	φ1.6	φ2	φ2.5	φ3	φ4	φ5	φ6	φ8	
Material	SWCH10A	Tensile	0.29	0.49	0.85	1.23	1.69	3.00	4.69	6.76	12.02
		Shear	0.34	0.61	0.96	1.50	2.17	3.86	6.03	8.68	15.43
	SUS430	Tensile	0.39	0.66	1.14	1.66	2.27	4.03	6.31	9.08	16.15
		Shear	0.45	0.80	1.26	1.97	2.84	5.05	7.89	11.36	20.20
	SUSXM7	Tensile	0.48	0.81	1.39	2.03	2.77	4.93	7.71	11.10	19.74
		Shear	0.51	0.91	1.42	2.23	3.21	5.71	8.93	12.86	22.86
	C2700W	Tensile	0.28	0.47	0.81	1.18	1.62	2.88	4.50	6.48	11.53
		Shear	0.31	0.55	0.86	1.35	1.95	3.47	5.42	7.81	13.89
	C1100W	Tensile	0.17	0.29	0.50	0.73	0.99	1.77	2.77	3.99	7.09
		Shear	0.20	0.37	0.58	0.90	1.30	2.32	3.63	5.23	9.30
	A1070W	Tensile	0.07	0.12	0.20	0.28	0.40	0.71	1.16	1.76	2.85
		Shear	0.10	0.18	0.27	0.44	0.60	1.07	1.61	2.25	4.12
	A1200W	Tensile	0.07	0.13	0.20	0.28	0.40	0.71	1.18	1.79	2.88
		Shear	0.11	0.18	0.31	0.46	0.60	1.13	1.74	2.33	4.26
	A5052W	Tensile	0.13	0.23	0.39	0.54	0.74	1.34	2.18	3.15	5.43
		Shear	0.20	0.35	0.56	0.91	1.18	2.21	3.40	4.56	8.32
	A5056W	Tensile	0.17	0.29	0.47	0.60	0.94	1.46	2.61	3.78	6.73
		Shear	0.23	0.40	0.62	1.00	1.30	2.46	3.80	5.20	9.25

Note) Each of the results above is the measured strength of a rivet alone.

Semi-tubular rivet