

SGT Cold Welding Capacity Chart

Silver Gain Technology Co., Limited — welding capacities of SGT cold pressure welding machines, as published by the manufacturer.

Model	Copper Wire	Aluminium Wire
PB10 / PW10 / DA10	0.10 mm – 0.50 mm	0.10 mm – 0.50 mm
PA30	0.30 mm – 0.90 mm	0.30 mm – 1.00 mm
DA30 / DB30	0.30 mm – 1.20 mm	0.30 mm – 1.40 mm
DA100 / DB100	1.00 mm – 3.25 mm	1.00 mm – 5.00 mm
DJ100	1.00 mm – 4.50 mm	1.00 mm – 5.50 mm
CHY100	1.00 mm – 4.00 mm	1.00 mm – 6.00 mm
CHY200	2.00 mm – 5.00 mm	2.00 mm – 8.00 mm
CHY400	4.00 mm – 8.00 mm	4.00 mm – 14.00 mm
CHY700	7.00 mm – 13.00 mm	7.00 mm – 25.00 mm

Aluminium ranges run wider than copper throughout the programme because aluminium upsets at lower pressure. The range for rectangular non-ferrous wire is calculated according to the cross-sectional area.

Hydraulic Machine Frames

Model	Copper	Aluminium	Net Weight	Motor
CHY100	1.00-4.00 mm	1.00-6.00 mm	130 kg	0.75 kW
CHY200	2.00-5.00 mm	2.00-8.00 mm	230 kg	1.5 kW
CHY200-B	2.00-6.00 mm	2.00-8.00 mm	380 kg	1.5 kW
CHY400	4.00-8.00 mm	4.00-15.00 mm	660 kg	5.5 kW
CHY400-B	4.00-9.00 mm	4.00-12.00 mm	760 kg	4.0 kW
CHY700	7.00-13.00 mm	7.00-25.00 mm	1780 kg	7.5 kW
CHY700-B	7.00-12.00 mm	7.00-20.00 mm	1500 kg	7.50 kW
CHY800	8.00-20.00 mm rod	8.00-25.00 mm rod	2000 + 300 kg	TBC

Electrical Butt Welders (UN Series)

Model	Supply V	Rated kVA	Steel mm	Aluminium mm	Brass mm	Pure Copper mm
UN-1	220	1	0.6-2.0	0.5-3.0	0.5-2.5	0.5-2.0
UN-3	220	3	1.5-3.5	2.0-6.5	2.0-5.5	2.0-5.0
UN-10	380	10	1.8-3.5	3.0-8.0	3.0-7.0	3.0-6.0
UN-16	380/36	15	1.5-3.0	3.0-12.0	4.0-12.0	3.0-10.0

Model	Supply V	Rated kVA	Steel mm	Aluminium mm	Brass mm	Pure Copper mm
UN-25	380/36	25	1.8-3.5	4.0-16.0	5.0-14.0	4.0-12.0
UN-40	380/36	40	2.0-4.5	5.0-20.0	6.0-18.0	4.0-18.0

Every figure in this document is taken from the published SGT product specifications. For a machine recommendation send the wire material, the diameter range, the section shape and your electrical supply to info@coldweldingmachine.com or WhatsApp +86 186 7650 2819.