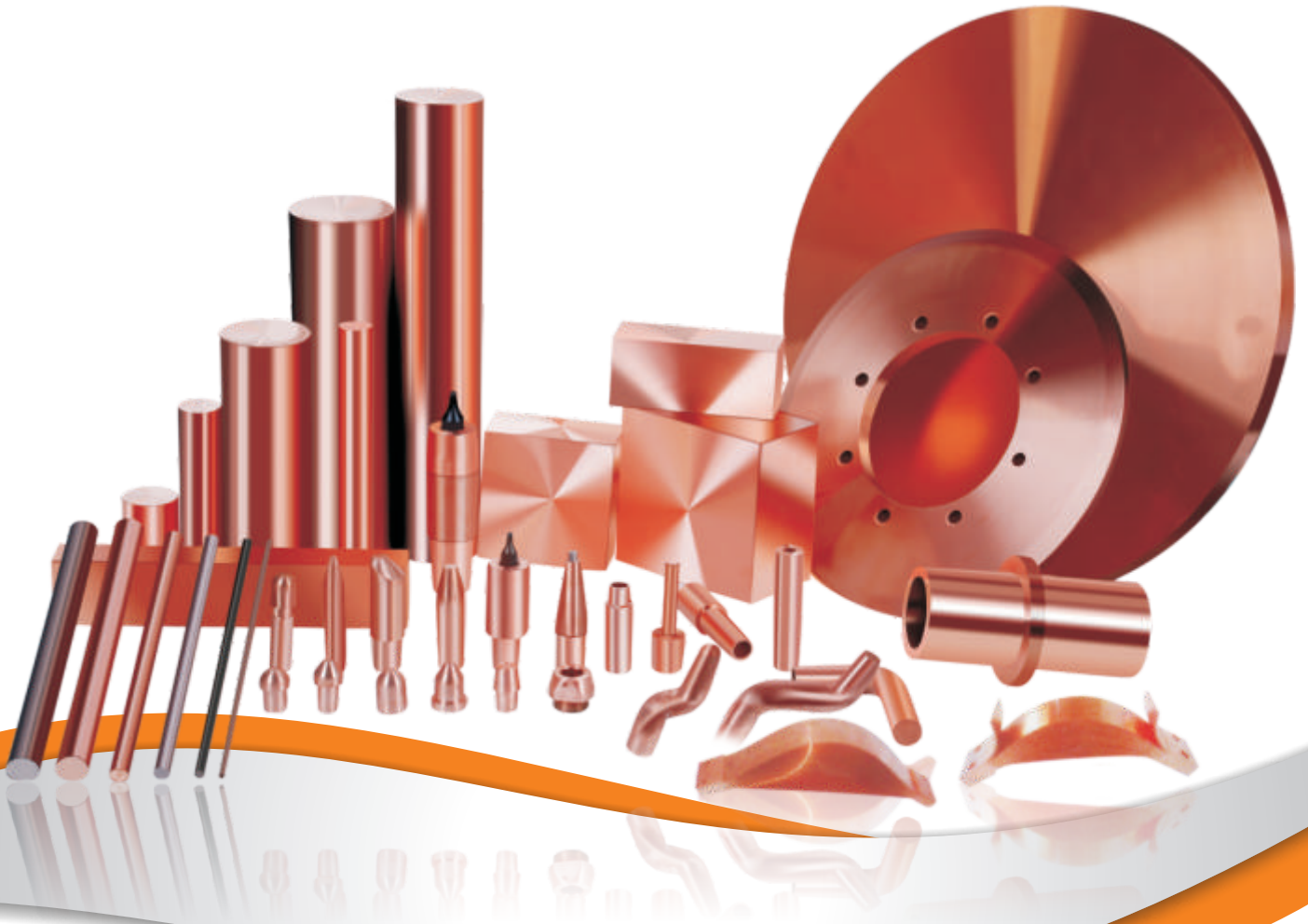


WADSON
METALS



ISO 9001:2008 CERTIFIED

MANUFACTURER OF : **COPPER ALLOY PARTS & FLEXIBLE LINKS**

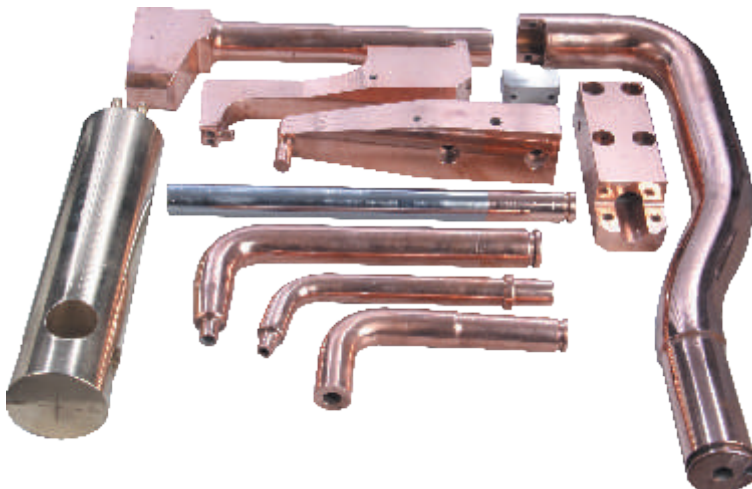
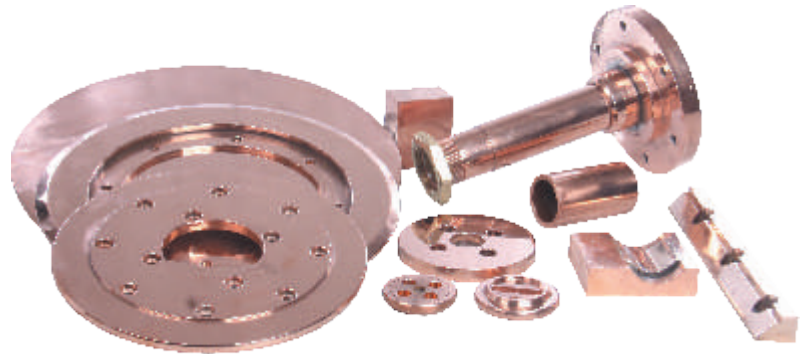


SPOT WELDING ELECTRODES & COLD FORMED CAP TIPS

- Male / Female Cap Tips
- Double Bend Z Electrodes
- Swivel Head Electrodes
- Tungsten / Molybdenum Insert Electrodes
- Straight / Bend Shanks

SEAM WELDING WHEELS & FLASH BUTT ELECTRODES

- Seam Welding Discs / Wheels
- Silver Segment Housings
- Seam Welding Shafts
- NS5 Bush and Flexible Links
- Butt Welding Inserts, Holders and Parts



ROBOTIC BEND HOLDERS & IT GUN ARMS

We design & manufacture complete range as per customer requirements

PROJECTION WELDING ELECTRODES

Pneumatic & Spring Loaded Fixtures
Adapters for nuts, bolts & other weld parts
Projection Welding Electrodes



KCF Guide Pins
& Sleeves

NUT/BOLT POSITION CHECKER



- a. Easy Installation
- b. OK, NG Error Alarm



PROBLEM DETECTED BY NUT/BOLT POSITION CHECKER



Double Nut



Incorrect Nut



Reverse Nut



No Legs



No Nut



No Plate

FLEXIBLE LINKS AND CONNECTORS

We have in house facilities of Electro Fusion Process to manufacture:

Laminated Sheet Flexible Links

Bunched Copper Wire Flexibles

2D/ 3D Bend Bus Bars

Water Cooled Kickless & Jumper Cables

ETP Copper Adapters, Terminals and Current Plugs



TYPICAL PHYSICAL AND MECHANICAL PROPERTIES



Alloy Name	Chemical Composition Percentage (%)		Density (g/cm3)	Rockwell Hardness	Conductivity I.A.C.S. (%)	Tensile Strength Mpa	UNS/RWMA	Application And Typical Uses
WADSON C100	Copper	99.90	8.9	82-90 F	99	221-455	C11000	Bus Bars, connecting plates, Flexible links in the form of foils, braided wires etc.
WADSON ACX	Chromium (Cr) Copper (Cu)	0.8 Bal	8.9	70-78 B	76-80	450	C18200 Class 2	Spot and seam welding cold and hot rolled steels, current carrying shafts and arms, backup bars.
WADSON AZX	Chromium (Cr) Zirconium(Zr) Copper (Cu)	0.6 - 1.2 .03- 0.1 Balance	8.9	72-80 B	78-80	400	C18150 Class 2	Spot and seam welding cold and hot rolled steels and coated materials. Resistance welding tips and discs for high production rates. Moulds for continuous casting of steel or aluminium.
WADSON ZX	Zirconium(Zr) Copper (Cu)	0.1-0.3 Balance	8.9	72-80 B	78-80	400	C15000 Class 1	Spot and seam welding coated steels.
WADSON NSX	Nickel (Ni) Chromium (Cr) Silicon (Si) Iron (Fe) Copper (Cu)	1.8 - 3.0 0.1 - 0.8 0.4 - 0.8 0 - 0.15 Balance	8.81	88-94 HRB	48	75	C18000/ Class 3	Welding Tips, Collets, Seam Shafts/ Bush, Plunger Tips, Plastic Mold ejector pins and Moulds
WADSON BNX	Beryllium (Be) Nickel (Ni) Copper (Cu)	0.3-0.5 1.2-1.6 Balance	8.9	90-98 B	45-48	680	C17510 Class 3	Spot and seam welding stainless steel, Monel and nickel alloy, flash welding dies, plunger tips and electrode holders.
WADSON BX2	Beryllium Cobalt Copper	1.8-2.1 0.3-0.6 Balance	8.7	35-40 C	22	1140	C17200 Class 4	Flash Butt welding dies, Parts for electrical components. Cooling pins and neck rings or bottom plates for blow moulds of plastics.
WADSON 10WC	Tungsten (W) Copper (Cu)	75 25	14.80	98 B	45	90 Lsi	74400 Class 11	Flash Butt welding dies, cooling pins & neck rings or bottom plates for blow moulds of plastics.
WADSON 30WC	Tungsten (W) Copper (Cu)	80 20	15.60	103 B	41	98 Lsi	74400 Class 11	Die inserts on most flash butt welding dies. Production of light electrical upsetting, electro forming dies, and seam welder bushing inserts.
WADSON W100	Tungsten (W)	100	19.28	39 C	31	150 Lsi	74300 Class 13	Electrode and die inserts where welding pressure are relatively high.
WADSON M100	Molybdenum	100	10.20	89 B	30	80 Lsi	42300 Class 14	To weld nonferrous materials & also used for electro brazing electrode material and for some electrical upsetting operations.

Weld Analyser



Force Checker



Constant Current Weld Controller



Tip Dresser



Nut Feeder



IT Gun & SSW Transformer



WADSON
METALS PVT. LTD.

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