



Copper tungsten electrode
for
PCD tools disk erosion

Our tungsten copper rotary electrode has high physical and mechanical properties answer PCD tools disk erosion process demanding. Our tungsten copper alloys are complied with ASTM B702, RWMA Class 10, RWMA Class 11, RWMA Class 12 and GB/T8320-2003.

About HOSO

HOSO Metal CO., LTD is an enterprise for manufacturing powder metallurgy material, casting copper alloy and high precision parts. From powder to alloy to finished parts, we provide one-stop service to customers.

We research and develop products according to customer's application. Our products are sold to more than 30 countries

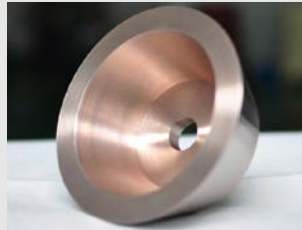


HOSOMETAL's PCD tools disk erosion electrode is your best choice:

- High electrical conductivity
- High thermal conductivity
- High density
- 170 types of electrode in global market for Vollmer and Walter



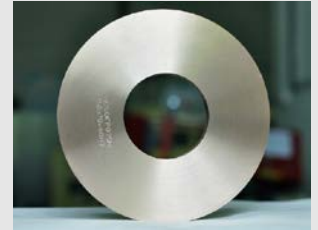
KE type



TE type



CE type



UE type

Copper tungsten material properties:

| Material | Composition (wt.%) | Density (g/cm ³) | Conductivity (% IACS) | Hardness (HRB) | Class # | RWMA |
|-----------|--------------------|------------------------------|-----------------------|----------------|---------|----------|
| HOSOPM070 | Cu30W70 | 13.9 | 42 | 88 | | |
| HOSOPM075 | Cu25W75 | 14.5 | 38 | 94 | 11 | 11.74400 |
| HOSOPM080 | Cu20W80 | 15.2 | 34 | 98 | 12 | 12.74350 |

- above is typical properties just for reference.

Standard size:

| | D | H | d | W1 | W2 | Machine Type |
|------|-----|----|----|------|----|-------------------------------|
| Bowl | 125 | 40 | 60 | 12.5 | 10 | QW,QM,QMC,QR270,QXD400,QXD200 |
| Pan | 200 | 10 | 60 | | | QM400,QXD200 |
| | 150 | 10 | 60 | | | QW,QM,QMC,QXD400,QXD200 |
| | 50 | 10 | 10 | | | QM110,QX |

Customize size:

| | D | H | d | W1 | W2 | θ | Machine Type |
|-----------|-----|----|-----|------|----|----|--------------|
| Bowl | 125 | 40 | 60 | 12.5 | 15 | | |
| Trapezoid | 125 | 32 | 29 | 20 | 63 | 60 | Helitronic |
| | 130 | 30 | 20 | 22 | 90 | 60 | Helitronic |
| Pan | 144 | 20 | 128 | M4x6 | | | EDMF-5 |

- send your drawing to us we can make the electrode for you.

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