

## OS WIRE series

# OS-UZ wire

Hard type

Automatic threading support

Electrode wire by application

Patented

JP2011177882  
US8445807  
CN102369077  
EP2532465(A1)

NEW



### Rule of product name

Example

**OS**

Series name

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**25**

Wire-diameter symbol

**UZ**

Material symbol

**(P-5R)**

Spool symbol

### General characteristics

Wire diameter (mm)	Wire diameter tolerance (mm)	Tensile strength (MPa)	Elongation (%)
0.20~0.30	±0.001	800 or more	3.0 or less

### Ultra high-speed machining characteristics

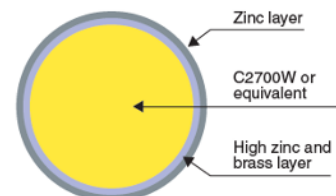
OS-UZ electrode wire can provide ultra high-speed machining.

In general, it is known that the electric discharge efficiency improves and the machining speed increases, if electrode wire has a large amount of zinc in its composition.

On the other hand, if the amount of zinc is increased, the wire becomes fragile against electrical discharge.

Through our unique wire drawing technology, a zinc layer is laid in the outer layer, and a high zinc and brass layer is laid between the outer layer and core material, so a high zinc ratio can be maintained.

By maintaining high electrical discharge efficiency and also using brass as the core material, the special characteristics of conventional electrode wire are maintained.



The wire as a three-layer structure consists of a zinc layer as the outer layer, a high zinc and brass layer in the middle and C2700W brass as the core material.

### Reduces the total cost of unit machining

OS-UZ wire improves machining speed. As a result, price competitiveness and a profit ratio of machining can be increased greatly.

The right page shows a simulation of high speed machining, reducing running costs, dealing with short delivery times and improving productive capacity.

