

## DIES Ø 5 ▶ 80 mm

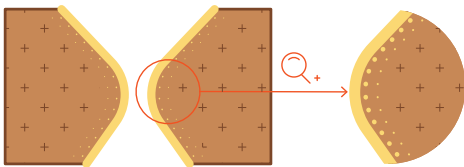
**NANO-DIAMOND COATING**  
**STRANDING - COMPACTING DIES**  
**COPPER - ALUMINUM - ALLOYS CABLES**

### Main features

- Tungsten carbide blank
- Diamond layer thickness : 30 µm
- Wide range of diameters - Up to Ø 80 mm
- Geometry dedicated for stranding and/or compacting
- Hardness ± 10000 Hv
- Rounded profile ▶ No risk of scratches on the cable
- Wide and rounded casing entrance

### Advantages

- High compacting rate
- Tight tolerances
- Mainly advised for copper and aluminum cables
- Life time from 5 to 10 x more than the tungsten carbide
- Mirror polish surface finish
- Low friction rate
- Unit manufacturing possible
- Great price/quality ratio



The diamond nano-coated dies DIAMCOAT™ are an alternative solution to the PCD for stranding and/or compacting operations. This coating combines the technical characteristics of the diamond and the economic advantages of the tungsten carbide.



### BALLOFFET

- No change on your machines or casings
- BALLOFFET technical assistance
- Manufacturing upon customer's drawing / specifications
- Cost saving on the raw material
- Special casing upon request
- Shaped Diamcoat™ dies

### Dies Specifications

Baloffet Recommendations	Stranding	Compacting	Mix
Casing entrance angle	100°	90°	100°
Diamond entrance angle	90°	60°	90°
Working area	26° rounded	20°	26° blended
Bearing (% x Ø)	20%	25%	25%

Or according to customer's drawing / specifications

