

COMPACTING DIES

COPPER - ALUMINUM - ALLOYS CABLES
NATURAL / SYNTHETIC / PCD DIAMOND

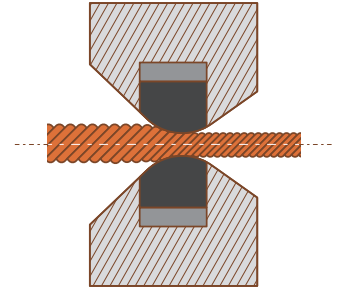
The diamond dies advantages

- Low friction rate
- Wear resistance
- No creation of metal particles
- Diameter accuracy
- Diameter reliability over the time
- Great surface finish
- Much longer lifespan than carbide dies

Dies specifications

- Casing entrance angle : 90°
- Diamond entrance angle : > 60°
- Working angle : 20°
- Bearing : 25 % of Ø
- Sharp geometry - Blended angles
- Or according to customer's drawing/specifications

Blanks choice



BALLOFFET

- High compacting rate
- PCD or nano-coated dies Diamcoat™
- Split Dies
- BALLOFFET technical assistance
- Manufacturing according customer's drawing/specifications
- Diamond blank position and casing upon request

PCD blanks : Diamond size (Ø x t)

Ø = Blank diameter
h = Blank thickness

| Die size (mm) | 5.2 x 2.5 5.2 x 3.5 | 7 x 4 | 7 x 5.3 | 9 x 7 | 13 x 7 13 x 9 13 x 12 | 15 x 12 15 x 15 | 16 x 16 | 18.5 x 13.5 18.5 x 15.5 15.8 x 17.5 18.5 x 18.5 | 25 x 18 25 x 20 | 30 x 20 30 x 22 | 40 x 25 | 45 x 27 |
|---------------|------------------------|-------|---------|-------|-----------------------------|--------------------|---------|--|--------------------|--------------------|---------|---------|
| | * | | | | * | * | | * | * | * | | |
| 2.0 - 3.0 | ■ | | | | | | | | | | | |
| 3.0 - 3.5 | | ■ | | | | | | | | | | |
| 3.5 - 4.5 | | | ■ | | | | | | | | | |
| 4.5 - 6.0 | | | | ■ | | | | | | | | |
| 6.0 - 7.0 | | | | | ■ | | | | | | | |
| 7.0 - 8.5 | | | | | | ■ | | | | | | |
| 8.5 - 10 | | | | | | | ■ | | | | | |
| 10 - 12 | | | | | | | | ■ | | | | |
| 12 - 17 | | | | | | | | | ■ | | | |
| 17 - 22 | | | | | | | | | | ■ | | |
| 22 - 30 | | | | | | | | | | | ■ | |
| 30 - 35 | | | | | | | | | | | | ■ |

* Depending on the compacting conditions (material, shape,...)
Larger diameters on request

