



ESTEVES
GROUP

Shaped dies

Wire drawing dies

www.estevesgroup.com



Highlights

- Gradually deform from one shape into another
- Tight dimension tolerances
- Smooth wire surface
- Die set engineering available
- Starting from 0.1 mm [.0039"]

High performance shape dies allow wire manufacturers to meet wire surface quality and dimension standards.

Shape dies are used to reduce the diameter or to transform one wire shape into another. Applications include various types of ferrous and non-ferrous rods and wires.

Esteves Group shaped dies are customized to match your requirements and are available in virtually any form. Shapes include square, rectangular, hexagonal, triangular, oval, half-round, trilobular, transmission cable, and trolley wire.

We can help you with engineering the series of dies that will gradually transform round or shaped wire or rod into another shape. Let us know your shaped rod or wire requirements and have our specialists design the series for you .

Esteves Group shape drawing dies are manufactured with a mirror polish and a smooth wire entry to ensure optimal die life and string-up.

We Specialize in...

- Wire Drawing Dies
- Bunching, Stranding & Compacting Dies
- Split Dies
- Tubing Dies
- Shaped Dies
- Extrusion Tooling
- Die Reconditioning Tools
- Engineering Services
- Customer Support





Shaped dies

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Key Features

- Gradually deform from one shape into another
- Tight dimension tolerances
- Die set engineering available
- Available in TC, PCD, SSCD and ND
- Starting from 0.1 mm [.0039"]

Benefits

- Smooth wire or rod surface
- Die life increase when using diamond shape dies

Shaped Profile Die Specifications	Product name	TC Shape Die	PCD Shape Die	SSCD/ND Shape Die
Standard size range		≥ 0.6 mm [≥ .0236"]	≥ 0.1 mm [≥ .0039"]	≥ 0.1 mm [≥ .0039"]
Available shapes	Virtually any shape is available Contact Esteves Group for your requirements			
Standard tolerance	+0 / -1.5% of the hole diagonal			
Available angles	8 – 28°			
Standard angle tolerance	± 2°			
Blend and radius	Blends between profile parts depend on required shape			
Blank (nib) material	Tungsten Carbide (TC)	Polycrystalline Diamond (PCD)	Synthetic/Natural single crystal diamond (SSCD/ND)	

Tighter tolerances are available on request

Virtually any shape die is available. Please contact **Esteves Group** for a quotation for your die shop tooling.



More drawing die types, cabling tooling, and extrusion tools are available. Please contact **Esteves Group** for a quotation for your wire and cable tooling.

Drawing, and cabling tooling below:
TC dies, PCD dies, ND dies, bunching and stranding dies, split dies, extrusion tools

