



# EZero diamond dies

## Wire drawing dies



www.estevesgroup.com



## Highlights

- Superior wire quality
- Increased machine uptime
- Cost savings
- Proven technology
- Dedicated logistics software
- Size range 0.020 - 0.800 mm

**Superior wire quality and higher performance.**

**Draw better, draw more!**

EZero is an **exclusive product** from Esteves Group.

**Successfully tested** worldwide, EZero delivers outstanding results in many wire drawing processes.

Ezero dies are made of a diamond **innovation** consisting of carbon nanoparticles that reduce production costs by improving die-longevity and increasing machine uptime.

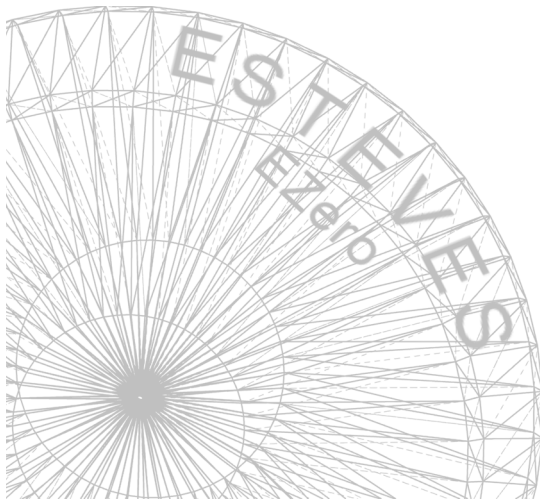
EZero boasts **clear advantages** compared to other alternative products: radically improved die-life and diameter stability, coupled with consistent roundness through its die life-cycle. These advantages are particularly apparent in ferrous wires and demanding hard-wire alloys.

Dedicated software has been developed to support your logistics, providing traceability to your die-stock, and allowing for working capital optimization.

EZero is available in the diameter range from 0.020 to 0.800 mm\*

**Interested? Contact our engineers now and learn how EZero can help you improving quality and reducing costs.**

*\* Other diameters might be available on request.*



## 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

**EZero™ is based on proprietary innovations protected by a portfolio of international patents.**

United States Patents

US 8,784,767 · US 9,061,336 · US 9,630,853 · US 9,663,371 · US 9,714,197 · US 9,878,956 · US 9,950,960 · US 10,118,861 · US 10,399,149 · US 10,421,129 · US 10,442,007 · US 10,457,606 · US 10,703,636 · US 10,829,379 · US 11,072,008 · US 11,421,341 · US 11,427,930 · US 11,787,699 · US 11,814,293

European and German Patents

EP 2 127 769 B1 · EP 2 239 228 B1 · EP 2 607 307 B1 · EP 2 647 444 B1 · EP 3 266 756 B1 · EP 3 712 304 B1 · EP 3 825 293 B1 · EP 3 862 336 B1 · EP 3 138 827 B1 · EP 3 138 828 B1 · EP 3 369 492 B1 · EP 3 369 704 B1 · EP 3 369 706 B1 · EP 3 369 717 B1 · EP 3 763 689 B1



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### Key Features

- Improved ultra-hard material
- Proven technology
- Roundness maintained throughout use
- Barcoded for easy handling

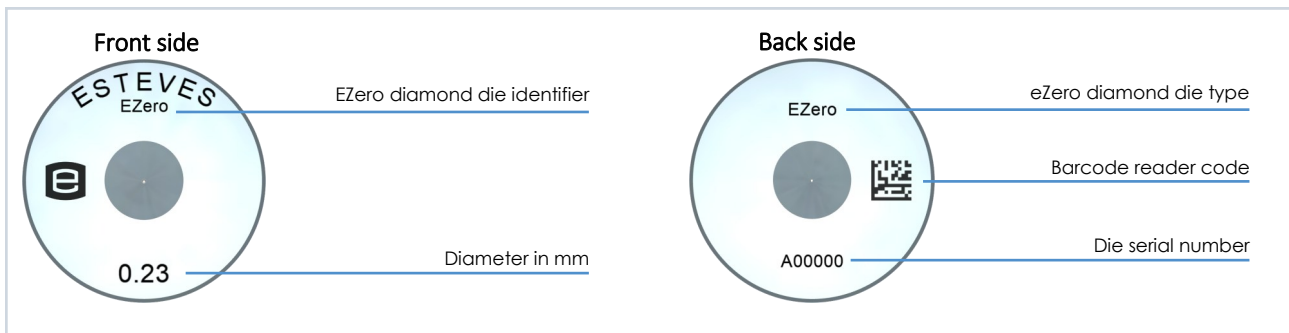
### Benefits

- Increased die-life
- Superior wire quality
- Cost savings through vastly increased machine uptime
- Complimentary dedicated logistics software

### EZero Wire Drawing Die performance comparison

Parameter	PERFORMANCE INCREASE		
	ND/SSCD	PCD	EZero
Diameter stability	ND/SSCD	PCD	<b>EZero</b>
Die longevity	ND/SSCD	PCD	<b>EZero</b>
Wire roughness	PCD	<b>EZero</b>	ND/SSCD
Wire ovality	ND/SSCD	PCD	<b>EZero</b>
Wire friction	PCD	<b>EZero</b>	ND/SSCD

### STANDARD PRODUCT CODING



Please contact Esteves Group for any special engraving requirements.

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, SSCD dies, ND dies, bunching and stranding dies, split dies, extrusion tools

