



PLUGS AND MANDRELS

Key Benefits

- Different coating types available
- Premium carbide as base material
- Very smooth surface finish $Ra \approx 0.05\text{--}0.2 \mu\text{m}$
- Smooth transition between entry and exit radius
- State-of-the-art machinery optical inspection systems enable extremely tight tolerance control.

Paramount Die Tube Plugs and Mandrels

Experience unmatched durability and performance with our premium carbide mandrels, engineered for the most demanding tube drawing applications. Ideal for producing tight-tolerance, high-surface-finish tubes, our tube plugs and mandrels resist wear, heat, and deformation—delivering consistent results over extended production runs.

Why choose us?

- Superior Grade Carbide – Extended tool life means fewer changeovers and lower costs.
- Precision Machining – Every mandrel is crafted to exacting tolerances for flawless OD control.
- Custom Solutions – We tailor designs for floating, fixed, or shell mandrel systems to fit your process.
- Fast Turnaround & Support – Trusted by manufacturers worldwide, stock of raw material in-house.
- Seamless compatibility and optimized performance - Purchasing tube plugs, mandrels and drawing dies from Paramount Die ensures they are designed to work together efficiently, reducing setup issues and maximizing functionality.

Profile Specifications

OD Size Range	.020" - 3" / 0.5mm to 75 mm
Available types	Floating, Fixed
Min tolerances	.0002" / 0,005mm
Available radius	Any type of radius
Surface finish	$Ra \approx 0.05\text{--}0.2 \mu\text{m}$

Tube Plugs and Mandrels examples

