

HIGH PERFORMANCE AIR-COOLED ROBOTIC MIG WELDING TORCHES

Utilizing our patented and proven consumable design, **PowerBall[®] High Performance Robotic Torches** are engineered to provide maximum conductivity with **increased consumable life**. The revolutionary new torch design provides a higher amperage output than traditional air-cooled MIG welding torches, resulting in an energy efficient torch that can take on the toughest welding applications while reducing operating costs. Higher conductivity and energy efficiency also means less heat build-up, increasing consumable life and reducing spatter build-up on the contact tip and nozzle.

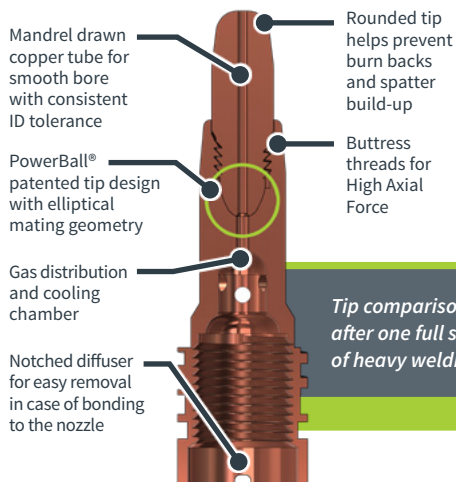
A NEW STANDARD FOR GMAW PERFORMANCE!

- ▶ **Long-life contact tips and torch liners** reduce consumable costs
- ▶ **Available in 220° or full 360° rotation** for versatility when welding complex shapes
- ▶ **All-copper current path** from power source to tip provides unrivaled current transfer
- ▶ Optimized tip geometry and reduced heat **prevents spatter build-up and burn backs**
- ▶ **Ultrasonically welded copper cable connection** for enhanced durability and conductivity
- ▶ **Fully repairable design** for increased service life and reduced long-term ownership costs
- ▶ **100% duty cycle at up to 500 A** – performance that rivals liquid-cooled torches!
- ▶ Thru-arm torch mounts available for most popular arc welding robot models



POWERBALL ROBOTIC MIG TORCH FEATURES

POWERBALL[®] CONSUMABLES DESIGN



220° OR FULL 360° ROTATION!



Tip comparison after one full shift of heavy welding

PREVIOUS TIP POWERBALL[®]

USW WELDED COPPER CONNECTION

Ultrasonically welded copper cable connection provides enhanced current stability and stronger connection point. *Patented.*

ALL-COPPER CURRENT PATH

All-copper current path from power source to tip provides maximum conductivity with superior cooling.

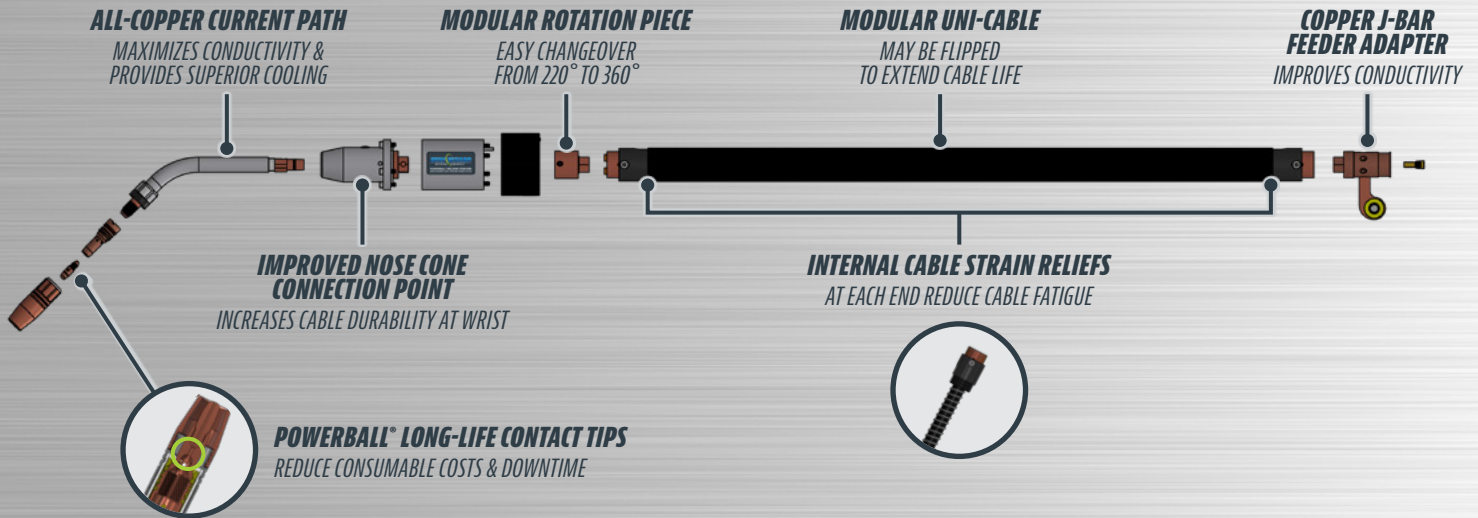
LOW-FRICTION ELLIPTICAL WIRE TORCH LINERS

Helically wound elliptical wire liner
Patented design

Extended outer jacket minimizes gas loss

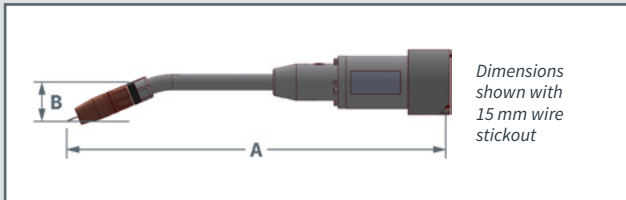
FRONT-LOADING LINERS REDUCE DOWNTIME FOR MAINTENANCE

POWERBALL ROBOTIC MIG TORCH FEATURES



TCP DIMENSIONS

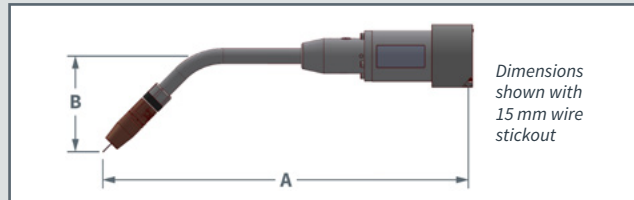
22° NECK TCP DIMENSIONS



Neck	A	B	Weight
WTP-NR-22S	461 mm	47 mm	1.59 kg
WTP-NR-22M	519 mm	47 mm	1.66 kg
WTP-NR-22L	574 mm	47 mm	1.73 kg

For Fanuc® Arcmate iC robots: Length A will be shorter due to breakaway disk design

45° NECK TCP DIMENSIONS



Neck	A	B	Weight
WTP-NR-45S	413 mm	100 mm	1.57 kg
WTP-NR-45M	460 mm	120 mm	1.64 kg
WTP-NR-45L	516 mm	120 mm	1.71 kg

For Fanuc® Arcmate iC robots: Length A will be shorter due to breakaway disk design

PART NUMBERING SYSTEM

