TW MIG TORCH CONSUMABLES

Description

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TAURUS TW CONTACT TIPS

Taurus TW contact tips are manufactured from a hard and high-conductivity copper alloy which means less frequent replacements which result in savings on welders' downtimes and on consumables. Contact tips guide the welding wire and transfer the current from the conductor tube through the MIG wire to the work piece. In order to ensure the best welding performance, it is important to select the correct size welding tip. An incorrect tip size can lead to problems such as micro-arcing, overheating, friction and wire jamming all resulting in wire burn-back.

THREAD SIZE	HOLE DIAMETER

M6: TW#4 TORCH

- 0.8
- 0.9
- 1.0
- 1.2
- 1.4
- 1.6

M8: TW#5 TORCH

- 0.9
- 1.0
- 1.2
- 1.4
- 1.6

TAURUS TW TIP ADAPTORS WITH GAS DIFFUSER

The Taurus TW tip adaptor holds the contact tip and provides gas flow to the weld pool. It’s a tip adaptor and gas diffuser combined as one unit.

TW#4 MIG TORCH

TW#5 MIG TORCH

TAURUS NOZZLES AND NOZZLE INSULATORS

The Taurus TW MIG nozzle insulator and nozzle is a two piece set that is precision engineered from high quality copper for longevity and superior performance. The nozzle insulator is used to insulate the conduct tube from the outer nozzle. The outer nozzle is used to keep the gas at the weld puddle. If the nozzle builds up from spatter or gets damaged due to miss-use, wear and tear or overheating, it can affect the shielding process cause the shielding process resulting in poor welding, lack of penetration and increased spatter. To clean the nozzle, you can remove it from the MIG torch and gently use a wire brush to clean the spatter build-up. Taurus anti-spatter silicon spray can be applied to the nozzle making spatter removal easier.

TW#4 OUTER NOZZLE

TW#5 OUTER NOZZLE

TW#4 NOZZLE INSULATOR

TW#5 NOZZLE INSULATOR

TAURUS LINERS

The Taurus TW liner is the guide for the welding wire through the MIG torch to the contact tip. The correct liner is required to ensure smooth, consistent wire feed and high-quality welding. Several criteria such as wire thickness, torch length and type of wire material should be considered when selecting the correct liner. When the internal diameter of the liner is too small for the wire being used, wire feed will be affected. When the internal diameter of the liner is too large for the wire being used, the wire could fold back. When thinner wire is used, erratic feeding or even blockages can occur. Liners need to be cut to the correct length when installed. Wire feeding problems can result from liners cut too short. It should fit tightly against the contact tip. The correct liner should be selected for the type of welding wire used – steel

liners for mild steel wires. Aluminium alloy wires require smoother teflon liners and for stainless steel wires harder carbon-teflon liners are required. Regular cleaning of liners is necessary to prevent clogging. Due to friction, liners do wear out and should be replaced periodically.

TW LINER CHART

PRODUCT CODE	LINER TYPE	LENGTH	WIRE SIZE	WIRE TYPE	TW#4	TW#5
01.44.116	STEEL	4.5m	1.2 – 1.6	STEEL WIRES	?	?
01.44.116.5	STEEL	5.4m	1.2 – 1.6	STEEL WIRES	?	?

Product Category

1. Mig Torches and Accessories
2. Consumables
3. TW Torches

Date Created
12 Nov 2025