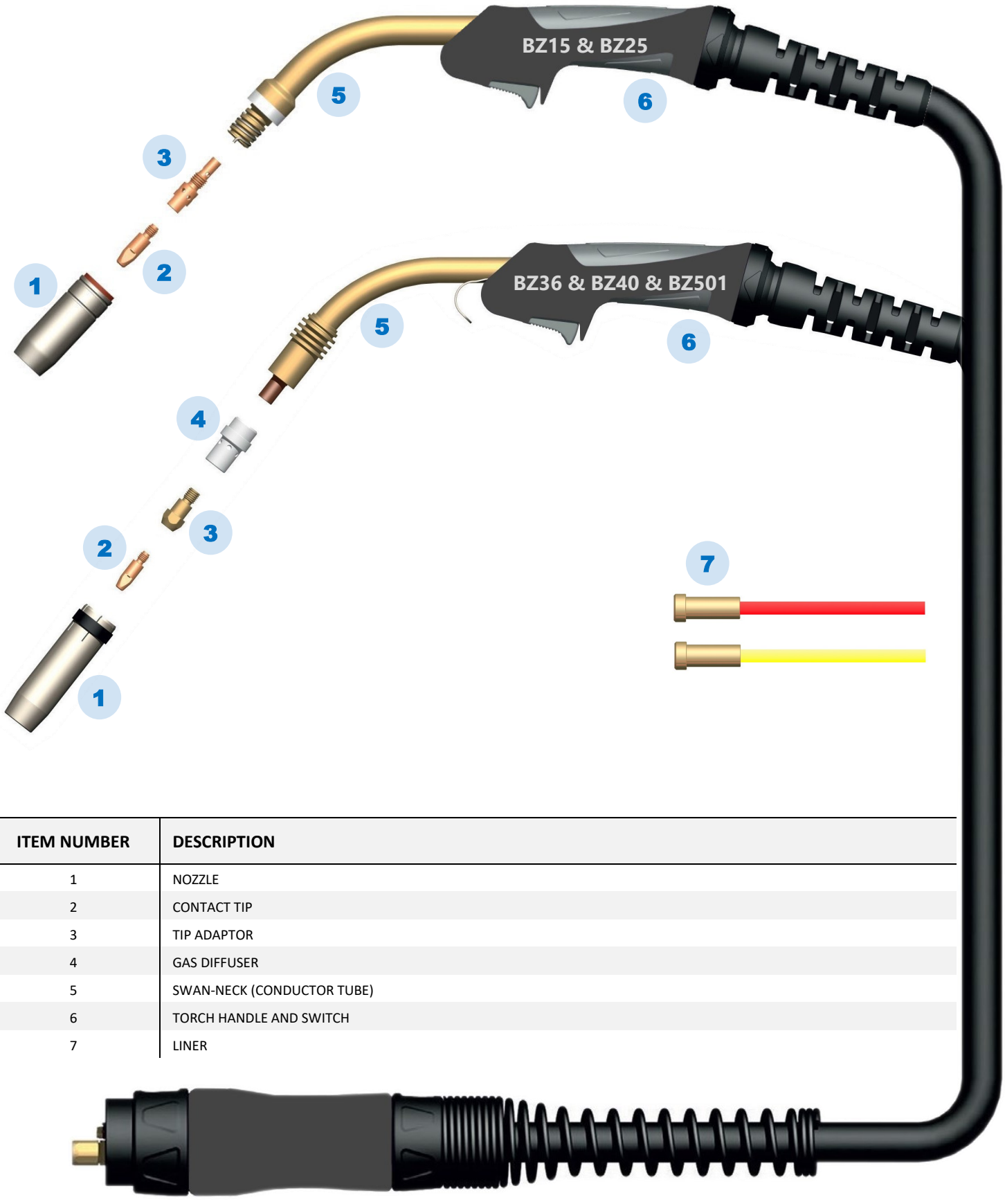
TAURUS®

MIG TORCHES AND ACCESSORIES

INDEX

TAURUS BZ MIG TORCH DIAGRAM



ITEM NUMBER	DESCRIPTION
1	NOZZLE
2	CONTACT TIP
3	TIP ADAPTOR
4	GAS DIFFUSER
5	SWAN-NECK (CONDUCTOR TUBE)
6	TORCH HANDLE AND SWITCH
7	LINER

TAURUS BZ PRO MIG TORCHES

Taurus BZ PRO MIG torches are precision engineered and manufactured from high-quality material offering the user a superior, well-designed, comfortable-to-use product which improves user performance. Nozzle walls are thicker which enhance longevity and superior performance. Contact tips are manufactured from a high-quality, harder than normal copper alloy which delivers excellent conductivity. The swan neck is durable, robust and is manufactured from a high temperature resistant material reducing the risk of shorting. The neck security block inside the handle prevents any rotational neck movement. The torches are fitted with a euro connector which is compatible with most MIG welding machines.

General checklist to assist with the selection of a MIG torch:

- Ensure the torch length is appropriate for the welding operation.
- Confirm that the torch connection will fit directly onto the machine.
- Ensure the correct sized tip and liner is used for the welding wire size.
- The appropriate liner should be used for the filler wire material type.
- Ensure that the correct torch amperage for the application is available.
- Confirm that the duty cycle of the MIG torch selected is suitable for the application.

PRODUCT CODE	DESCRIPTION	TORCH	AMPERAGE	LENGTH
BZ15.3M	TAURUS PRO BZ15 MIG TORCH X 3M	BZ15	150A	3m
BZ15.4M	TAURUS PRO BZ15 MIG TORCH X 4M	BZ15	150A	4m
BZ25.3M	TAURUS PRO BZ25 MIG TORCH X 3M	BZ25	250A	3m
BZ25.4M	TAURUS PRO BZ25 MIG TORCH X 4M	BZ25	250A	4m
BZ25.5M	TAURUS PRO BZ25 MIG TORCH X 5M	BZ25	250A	5m
BZ36.3M	TAURUS PRO BZ36 MIG TORCH X 3M	BZ36	360A	3m
BZ36.4M	TAURUS PRO BZ36 MIG TORCH X 4M	BZ36	360A	4m
BZ36.5M	TAURUS PRO BZ36 MIG TORCH X 5M	BZ36	360A	5m
BZ40.4M	TAURUS PRO BZ40 MIG TORCH X 4M	BZ40	400A	4m
BZ40.5M	TAURUS PRO BZ40 MIG TORCH X 5M	BZ40	400A	5m
BZ501.3M	TAURUS PRO BZ501 MIG TORCH X 3M	BZ501	500A	3m
BZ501.4M	TAURUS PRO BZ501 MIG TORCH X 4M	BZ501	500A	4m

TAURUS BZ CONTACT TIPS

BZ15

M6

M8

Taurus BZ contact tips are manufactured from a hard and highly-conductive copper alloy. The higher copper alloy quality requires less frequent replacements which in turn saves on welder's down-time and consumable costs. Contact tips are one of the consumables needing frequent replacement on a MIG torch. They are responsible for guiding the welding wire and transferring the current from the swan neck (conductor tube) through the MIG wire to the work piece. It is important to choose a correct size contact tip for the welding application to ensure the best welding performance. Using an incorrect tip size that is too big or too small can create problems such as micro-arcing, overheating, friction and wire jamming, all of which can lead to wire burn-back. Copper is naturally soft and when combined with heat and wire friction can lead to contact tip deformation. This in turn can lead to arc-start issues, burn-back and poor welds such as a lack of penetration. Contact tips need to be changed on a regular basis.

PRODUCT CODE	DESCRIPTION	TORCH	SIZE mm
	BZ15 CONTACT TIP		
BZ15-0.6	BZ CONTACT TIP M6 BZ15 - 0.6MM	BZ15	0.6
BZ15-0.8	BZ CONTACT TIP M6 BZ15 - 0.8MM	BZ15	0.8
BZ15-0.9	BZ CONTACT TIP M6 BZ15 - 0.9MM	BZ15	0.9
BZ15-1.0	BZ CONTACT TIP M6 BZ15 - 1.0MM	BZ15	1.0
BZ15-1.2	BZ CONTACT TIP M6 BZ15 - 1.2MM	BZ15	1.2
	M6 CONTACT TIP		
M6-0.8	BZ CONTACT TIP M6 BZ25 / BZ36 - 0.8MM	BZ25 + BZ36	0.8
M6-0.9	BZ CONTACT TIP M6 BZ25 / BZ36 - 0.9MM	BZ25 + BZ36	0.9
M6-1.00	BZ CONTACT TIP M6 BZ25 / BZ36 - 1.0MM	BZ25 + BZ36	1.0
M6-1.20	BZ CONTACT TIP M6 BZ25 / BZ36 - 1.2MM	BZ25 + BZ36	1.2
M6-1.4	BZ CONTACT TIP M6 BZ25 / BZ36 - 1.4MM	BZ25 + BZ36	1.4
M6-1.60	BZ CONTACT TIP M6 BZ25 / BZ36 - 1.6MM	BZ25 + BZ36	1.6
	M8 CONTACT TIP		
M8-0.8	BZ CONTACT TIP M8 BZ40 / 501 - 0.8MM	BZ36 + BZ40 + BZ501	0.8
M8-0.9	BZ CONTACT TIP M8 BZ40 / 501 - 0.9MM	BZ36 + BZ40 + BZ501	0.9
M8-1.00	BZ CONTACT TIP M8 BZ40 / 501 - 1.0MM	BZ36 + BZ40 + BZ501	1.0
M8-1.20	BZ CONTACT TIP M8 BZ40 / 501 - 1.2MM	BZ36 + BZ40 + BZ501	1.2
M8-1.40	BZ CONTACT TIP M8 BZ40 / 501 - 1.4MM	BZ36 + BZ40 + BZ501	1.4
M8-1.60	BZ CONTACT TIP M8 BZ40 / 501 - 1.6MM	BZ36 + BZ40 + BZ501	1.6
M8-1.8	BZ CONTACT TIP M8 BZ40 / 501 - 1.8MM	BZ36 + BZ40 + BZ501	1.8
M8-2.00	BZ CONTACT TIP M8 BZ40 / 501 - 2.0MM	BZ36 + BZ40 + BZ501	2.0

TAURUS BZ NOZZLES

BZ15

BZ25

BZ36

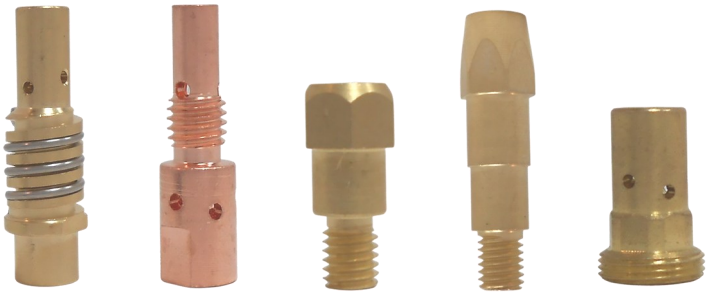
BZ40

BZ501

Taurus BZ MIG nozzles are precision engineered with a thicker wall offering superior performance and longevity. The nozzle (also known as a shroud) keeps the gas at the weld puddle. When nozzle spatter builds up or when the nozzle is damaged due to misuse, wear and tear, or overheating, it can result in an uncontrolled shielding process which, in turn, may result in poor welding results, lack of penetration or increased spatter. Spatter build-up between the contact tip and the nozzle can result in shorting. The removal of spatter can be facilitated by using silicon anti-spatter spray. Spatter build-up can also be removed by using a wire brush after removal of the nozzle from the torch.

PRODUCT CODE	DESCRIPTION	TORCH	STYLE
02.02.15CO	BZ 15 CONICAL NOZZLE	BZ15	CONICAL
02.02.15P	BZ 15 SPOT NOZZLE	BZ15	SPOT
02.02.25CO	BZ 25 CONICAL NOZZLE	BZ25	CONICAL
02.02.36CO	BZ 36 CONICAL NOZZLE	BZ36	CONICAL
02.02.40CO	BZ 40 CONICAL NOZZLE	BZ40	CONICAL
02.02.501.16	BZ 501 CONICAL NOZZLE	BZ501	CONICAL

TAURUS BZ GAS DIFFUSERS & TIP ADAPTORS



BZ15 BZ25 BZ36 BZ40 BZ501

TIP ADAPTORS

Taurus BZ36, BZ40 and BZ501 tip adaptors holds the contact tip and gas diffuser in place. Taurus BZ15 and BZ25 have combined contact tip and gas diffuser units.

BZ36 BZ40 BZ501

GAS DIFFUSERS

Taurus gas diffusers provide gas flow to the weld pool.

PRODUCT CODE	DESCRIPTION	TORCH	CONTACT TIP THREAD
	TIP ADAPTOR		
02.05.15	BZ 15 TIP ADAPTOR	BZ15	M6
02.03.25	BZ 25 GAS DIFFUSER & TIP ADAPTOR M6	BZ25	M6
02.03.25M8	BZ 25 GAS DIFFUSER & TIP ADAPTOR M8	BZ25	M8
02.03.36M6	BZ 36 TIP ADAPTOR M6	BZ36	M6
02.03.36M8	BZ 36 TIP ADAPTOR M8	BZ36	M8
02.03.40	BZ 40 TIP ADAPTOR M8	BZ40	M8
02.05.501C	BZ 501 TIP ADAPTOR M8	BZ501	M8
	SPRING		
02.05.15.01	BZ 15 SPRING FOR TIP ADAPTOR	BZ15	-
02.05.25.01	BZ 25 SPRING FOR TIP ADAPTOR	BZ25	-
	GAS DIFFUSER		
02.05.36	BZ 36 GAS DIFFUSER	BZ36	-
02.05.40	BZ 40 GAS DIFFUSER	BZ40	-
02.05.501	BZ 501 GAS DIFFUSER	BZ501	-

TAURUS BZ LINER & LINER NUT

LINERS

The Taurus BZ 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 to the correct length when installed. Wire feeding problems can result from liners cut too short. Liners 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.

LINER NUT

The BZ liner nut secures the liner in the torch.

PRODUCT CODE	DESCRIPTION	LINER TYPE	LENGTH (m)	WIRE SIZE (mm)
	STEEL LINERS			
02.04.R4	LINER PVC RED 1.0 - 1.2MM WIRE - 4.4M	PVC STEEL LINER	4.4	1.0 - 1.2
02.04.R5	LINER PVC RED 1.0 - 1.2MM WIRE - 5.4M	PVC STEEL LINER	5.4	1.0 - 1.2
02.04.P4	LINER PVC YELLOW 1.2 - 1.6MM WIRE - 4.4M	PVC STEEL LINER	4.4	1.2 - 1.6
02.04.P6	LINER PVC YELLOW 1.2 - 1.6MM WIRE - 5.4M	PVC STEEL LINER	5.4	1.2 - 1.6
02.04.501N4	BZ 501 LINER 1.2 - 1.6MM WIRE - 4M	STEEL LINER	4	1.2 - 1.6
02.04.501N5	BZ 501 LINER 1.2 - 1.6MM WIRE - 5M	STEEL LINER	5	1.2 - 1.6
	TEFLON LINERS			
02.04.AL3M	BLACK CARBON TEFLON LINER 1.6 -2.5MM- 3M	TEFLON LINER	3	1.6 - 2.5
02.04.AL4M	BLACK CARBON TEFLON LINER 1.6 - 2.5MM-4M	TEFLON LINER	4	1.6 - 2.5
02.04.AL5M	BLACK CARBON TEFLON LINER 1.6 - 2.5MM-5M	TEFLON LINER	5	1.6 - 2.5
02.04.AL.10M	BLACK CARBON TEFLON LINER 1.6 -2.5MM-10M	TEFLON LINER	10	1.6 - 2.5
02.04.ALU-5.4M	YELLOW TEFLON LINER FOR ALUMINIUM WIRE-1.6MM-5.4M	TEFLON LINER	5.4	1.2 - 1.6
	LINER NUT	**TORH ADAPTOR TYPE**		
02.30.06	LINER NUT	EURO	-	-

TAURUS BZ LINER REFERENCE CHART

CODE	LINER TYPE	LENGTH	WIRE SIZE	WIRE TYPE	BZ15	BZ25	BZ36	BZ40	BZ501
02.04.R4	STEEL	4.4m	1.0 - 1.2	STEEL WIRES	●	●	●	○	○
02.04.R5	STEEL	5.4m	1.0 - 1.2	STEEL WIRES	●	●	●	○	○
02.04.P4	STEEL	4.4m	1.2 - 1.6	STEEL WIRES	○	○	○	●	○
02.04.P6	STEEL	5.4m	1.2 - 1.6	STEEL WIRES	○	○	○	●	○
02.04.501N4	STEEL	4m	1.2 - 1.6	STEEL WIRES	○	○	○	○	●
02.04.501N5	STEEL	5m	1.2 - 1.6	STEEL WIRES	○	○	○	○	●
02.04.AL3M	TEFLON	3m	1.6 - 2.5	SOFT WIRES	●	●	●	●	●
02.04.AL4M	TEFLON	4m	1.6 - 2.5	SOFT WIRES	●	●	●	●	●
02.04.AL5M	TEFLON	5m	1.6 - 2.5	SOFT WIRES	●	●	●	●	●
02.04.AL.10M	TEFLON	10m	1.6 - 2.5	SOFT WIRES	●	●	●	●	●
02.04.ALU-5.4M	TEFLON	5.4m	1.2 - 1.6	STEEL WIRES	●	●	●	●	●

● **Solid means recommended**

○ **Clear means compatible**

TAURUS BZ SWAN-NECKS, TORCH HANDLES & SWITCHES

SWAN-NECKS

The Taurus swan-neck is the extension fitted to the torch handle. The contact tip and gas shroud are mounted on the swan-neck which delivers the electrical current , filler wire and shielding gas to the weld pool.

BZ MIG TORCH HANDLES

The Taurus BZ MIG torch handle is manufactured from fully insulated nylon material suited for heavy-duty welding. The ergonomically designed handle fits comfortably in the hand palm and lessens operator fatigue. The switch is long lasting and designed for frequent activation.

PRODUCT CODE	DESCRIPTION	TORCH
	SWAN-NECK	
02.06.15	BZ 15 SWAN-NECK	BZ15
02.06.25	BZ 25 SWAN-NECK	BZ25
02.06.36	BZ 36 SWAN-NECK	BZ36
02.06.40	BZ 40 SWAN-NECK	BZ40
02.06.501	BZ 501 SWAN-NECK	BZ501
	SWAN-NECK WASHER	
02.03.501	BZ 38/501 WASHER	BZ501
	HANDLES AND SWITCHES	
02.08.40	BZ40/38 TORCH HANDLE COMPLETE	BZ40
02.08.R501	BZ TORCH - AUTO HANDLE	
02.08ABZ	BZ25/36 TORCH HANDLE	BZ15 + BZ25 + BZ36 + BZ501
02.08.501	BZ501 TORCH - HANDLE COMPLETE	BZ501
02.09ABZ	TRIGGER SWITCH	

TAURUS BZ POWER CABLES & OUTER LINERS

POWER CABLES

Taurus power cables are manufactured from high-quality copper to the correct torch amperage specification. The Taurus power cable delivers current, shielding gas and welding wire to the front tip of the MIG torch. If the power cable is water cooled, it will also allow water to flow through to the conductor tube for enhanced cooling.

OUTER LINERS

The Taurus outer liner fits inside the power cable. A suitable inner liner is inserted into the power cable and is the guide for the welding wire to the front of the torch.

PRODUCT CODE	DESCRIPTION	TORCH
	POWER CABLES	
02.20.25.4	BZ25 POWER CABLE ASSEMBLY X 4M	BZ25
02.20.36.4	BZ36 POWER CABLE ASSEMBLY X 4M	BZ46
02.20.40.4	BZ40 POWER CABLE ASSEMBLY X 4M	BZ40
02.24.501.3	BZ501 WATER POWER CABLE X 3M	BZ501
02.24.501.4	BZ501 WATER POWER CABLE X 4M	BZ501
02.24.501.5	BZ501 WATER POWER CABLE X 5M	BZ501
	OUTER LINERS	
02.21.501.3	BZ501 OUTER LINER - 3M	BZ501
02.21.501.4	BZ501 OUTER LINER - 4M	BZ501
02.21.501.5	BZ501 OUTER LINER - 5M	BZ501

TAURUS BZ SHEATHING & BZ TORCH HOSES

CANVAS SHEATHING OUTER COVERS

The Taurus canvas sheathing outer cover is manufactured from rubber-reinforced canvas. The cover is heat resistant and protects the welding torch cable and hose as well as machine inter-connecting cables from friction and spatter damage.

RUBBER SHEATHING OUTER COVERS

The Taurus rubber sheathing outer cover is manufactured from high-quality, anti-corrosive, fire and wear resistant rubber. It protects the welding torch cable and hose from damage.

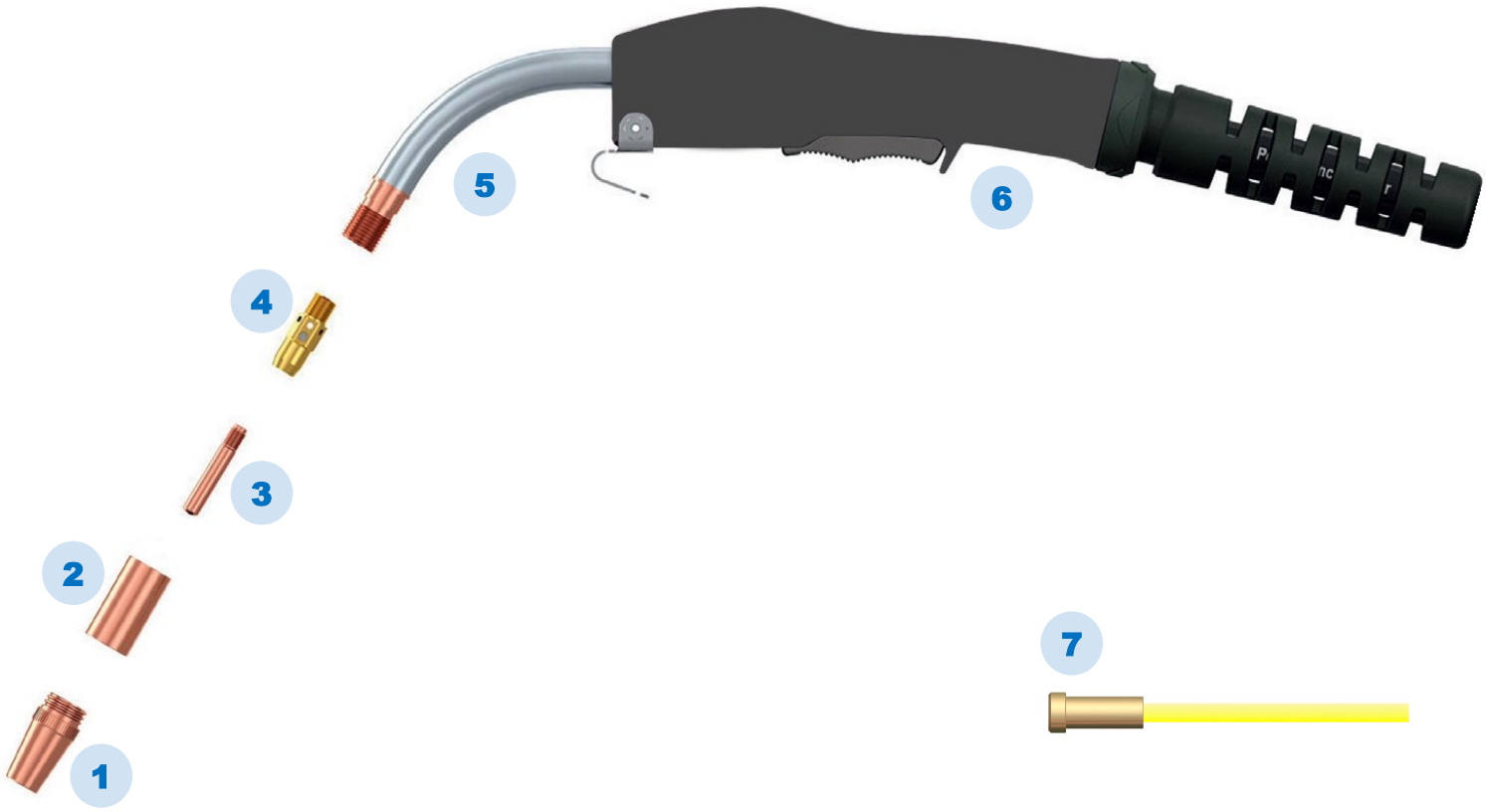
BRAIDED HOSES

Taurus braided hoses are used with MIG and TIG torches. Blue and red hoses are usually used for water transportation in water-cooled torches and the black hoses for gas in both air-cooled and water-cooled torches.

PRODUCT CODE	DESCRIPTION	LENGTH	TORCH
	CANVAS SHEATHING OUTER COVERS		
VA.PR.25.27	CANVAS SHEATHING (25 X 27)	PER METER	BZ15 + BZ25
VA.PR.45.49	CANVAS SHEATHING (45 X 49)	PER METER	BZ36 + BZ40
VA.PR.51.55	CANVAS SHEATHING (51 X 55)	PER METER	BZ501 + INTERCONNECTION CABLE
	RUBBER SHEATHING OUTER COVERS		
VAGD2123	RUBBER SHEATHING (21 X 23)	4m + 8m	WP9 + WP17
VAGD2628	RUBBER SHEATHING (26 X 28)	4m + 8m	WP18 + WP26 + BZ15 + BZ25

PRODUCT CODE	DESCRIPTION	LENGTH	DIAMETER (mm)
	BRAIDED HOSES		
VAGH38NB	HOSE BRAIDED GAS BLACK (3MM X 8MM)	PER METER	3 x 8
VAGH58B	HOSE BRAIDED GAS BLUE (5MM X 8MM)	PER METER	5 x 8
VAGH58NB	HOSE BRAIDED GAS BLACK (5MM X 8MM)	PER METER	5 x 8
VAGH58R	HOSE BRAIDED GAS RED (5MM X 8MM)	PER METER	5 x 8

TAURUS TW MIG TORCH DIAGRAM



ITEM NUMBER	DESCRIPTION
1	OUTER NOZZLE
2	NOZZLE INSULATOR
3	CONTACT TIP
4	TIP ADAPTOR
5	CONDUCTOR TUBE
6	TORCH HANDLE AND SWITCH
7	LINER

TAURUS TW MIG TORCHES

TAURUS TW MIG TORCHES

Taurus TW MIG torches are precision engineered and manufactured from high-quality material offering the user a superior, well-designed, comfortable-to-use product which improves user performance. Nozzles are manufactured from copper enhancing longevity and superior performance. Contact tips are manufactured from a high-quality, harder than normal copper alloy which delivers excellent conductivity. The conductor tube is durable, robust and is manufactured from a high temperature resistant material reducing the risk of shorting. The torches are fitted with euro connectors which is compatible with most MIG welding machines.

General guidelines to assist with the selection of a MIG torch:

- Ensure the torch length is appropriate for the required welding operation.
- Confirm that the torch connection will fit to the welding machine.
- Ensure the correct sized tip and liner is used for the welding wire size.
- The appropriate liner should be used for the filler-wire material type.
- Ensure that the torch amperage is sufficient for the application.
- Confirm that the duty cycle of the MIG torch selected is suitable for the application.

PRODUCT CODE	DESCRIPTION	TORCH	LENGTH
T4E.4M	TAURUS TW4 MIG TORCH X 4M-EURO-65MM2	TW#4	4m
T4E.5M	TAURUS TW4 MIG TORCH X 5M-EURO-65MM2	TW#4	5m
T5E.4M	TAURUS TW5 MIG TORCH X 4M-EURO-65MM2	TW#5	4m
T5E.5M	TAURUS TW5 MIG TORCH X 5M-EURO-65MM2	TW#5	5m

TAURUS TW NOZZLES & NOZZLE INSULATORS

NOZZLE INSULATOR

NOZZLE

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 over-heating, 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.

MOD 4

MOD 5

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.

PRODUCT CODE	DESCRIPTION	TORCH
	TWO PIECE NOZZLES	
01.24CT62	TW NOZZLE MOD 4 - 16MM	TW#4
01.25CT62	TW NOZZLE MOD 5 - 16MM	TW#5
	TWO PIECE NOZZLE INSULATORS	
01.34CT	TW NOZZLE INSULATOR MOD 4	TW#4
01.35CT	TW NOZZLE INSULATOR MOD 5	TW#5
	SLIP ON NOZZLE INSULATORS	
01.75	MOD 5 INSULATION	TW#5

PRODUCT CODE	DESCRIPTION	CONTACT TIP THREAD	TORCH
01.54A	TW MOD 4 GAS DIFFUSER	M6	TW#4
01.55	TW MOD 5 GAS DIFFUSER	M8	TW#5

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.

PRODUCT CODE	DESCRIPTION	TORCH	SIZE (mm)
	TW#4 CONTACT TIPS		
01.14H30	TW CONTACT TIP MOD 2 / 4 - 0.8MM	TW#4	0.8
01.14H35	TW CONTACT TIP MOD 2 / 4 - 0.9MM	TW#4	0.9
01.14H40	TW CONTACT TIP MOD 4 - 1.0MM	TW#4	1.0
01.14H45	TW CONTACT TIP MOD 4 - 1.2MM	TW#4	1.2
01.14H52	TW CONTACT TIP MOD 4 - 1.4MM	TW#4	1.4
01.14H116	TW CONTACT TIP MOD 4 - 1.6MM	TW#4	1.6
	TW#5 CONTACT TIPS		
01.15H35	TW CONTACT TIP MOD 5 - 0.9MM	TW#5	0.9
01.15H40	TW CONTACT TIP MOD 5 - 1.0MM	TW#5	1.0
01.15H45	TW CONTACT TIP MOD 5 - 1.2MM	TW#5	1.2
01.15H52	TW CONTACT TIP MOD 5 - 1.4MM	TW#5	1.4
01.15H116	TW CONTACT TIP MOD 5 - 1.6MM	TW#5	1.6

TAURUS TW LINER & LINER NUT

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.

LINER NUT

The TW liner nut secures the liner to the torch.

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	●	●

● Solid means recommended

○ Clear means compatible

PRODUCT CODE	DESCRIPTION	LINER TYPE	LENGTH (m)	WIRE SIZE (mm)
	STEEL LINERS			
01.44.116	TW LINER MOD 4/5 YLW 1-1.6MM 4.5M E/END	STEEL LINER	4.5	1.2 - 1.6
01.44.116.5	TW LINER MOD 4/5 YLW 1-1.6MM 5.4M E/END	STEEL LINER	5.4	1.2 - 1.6
	LINER NUT	**TORH ADAPTOR TYPE**		
01.20.01	LINER NUT FOR TWECO - M12	TWECO	-	-

TAURUS TW CONDUCTOR TUBES &

TORCH HANDLES & SWITCHES

CONDUCTOR TUBES

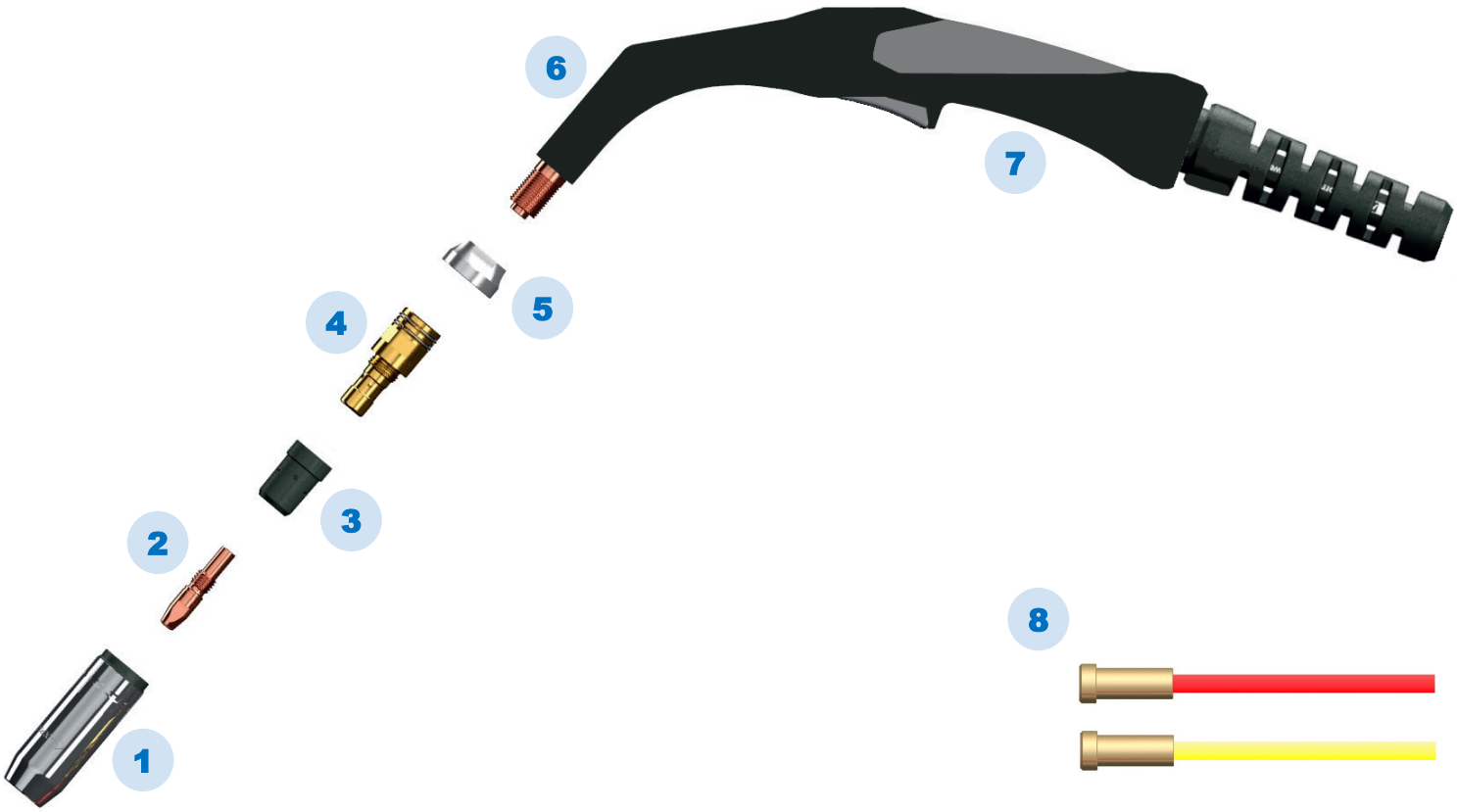
The Taurus TW conductor tube is the extended section protruding from the torch handle on which the contact tip and gas nozzle are mounted. The conductor tube delivers the electrical current, filler wire, and shielding gas on to the weld pool. Conductor tubes are also known as swan necks or goose necks.

MIG TORCH HANDLE

The Taurus TW MIG torch handle is manufactured from fully insulated nylon material for heavy-duty welding. The switch is long lasting and designed for frequent activation.

PRODUCT CODE	DESCRIPTION	TORCH
	CONDUCTOR TUBES	
01.64A60	MOD 4 CONDUCTOR TUBE	TW#4
01.65.60	MOD 5 CONDUCTOR TUBE	TW#5
	HANDLES AND SWITCHES	
01.84	HANDLE TWECO - MOD 4	TW#4
01.94	TWECO 4 TRIGGER SWITCH	TW#4

XP8 MIG TORCH DIAGRAM



ITEM NUMBER	DESCRIPTION
1	NOZZLE
2	CONTACT TIP
3	GAS DIFFUSER
4	HEAD ASSEMBLY
5	HEAT SHIELD
6	CONDUCTOR TUBE
7	TORCH HANDLE AND SWITCH
8	LINER

XP8 MIG TORCHES

The XP8 MIG torch is designed and manufactured for professional use. Serving performance, comfortable handling and service life, is manufactured from high-quality material. The torch has a high duty cycle of 80% and its patented gas-flow technology ensures a cooler neck and tip which, in turn, saves up to 70% on consumables and a reduction of welder's downtime by up to 50%.

PRODUCT CODE	DESCRIPTION	LENGTH	AMPERAGE	TORCH
XP200A-30E	XP200A TORCH PACKAGE X 3M EURO	3m	200A	XP8 200A
XP200A-40E	XP200A TORCH PACKAGE X 4M EURO	4m	200A	XP8 200A
XP300A-40E	XP300A TORCH PACKAGE X 4M EURO	4m	300A	XP8 300A
XP350A-30E	XP350A TORCH PACKAGE X 3M EURO	3m	350A	XP8 350A
XP350A-40E	XP350A TORCH PACKAGE X 4M EURO	4m	350A	XP8 350A
XP400A-40E	XP400A TORCH PACKAGE X 4M EURO	4m	400A	XP8 400A
XP400A-50E	XP400A TORCH PACKAGE X 5M EURO	5m	400A	XP8 400A
XP450A-40E	XP450A WATERCOOLED TORCH X 4M	4m	450A	XP8 450W

TAURUS XP8 CONTACT TIPS

CONTACT TIPS

Taurus XP8 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 (swan neck) 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.

NOZZLES

Taurus XP8 MIG nozzles are precision engineered and have a thicker wall thickness resulting in superior performance and longevity. The nozzle, also known as a shroud, is used to keep the gas at the weld puddle. When the nozzle spatter builds up or if the nozzle becomes damaged due to miss use, wear and tear or overheating, it can cause the shielding process to be uncontrolled which may result in poor welding, lack of penetration and increased spatter. Build-up of spatter between the contact tip and the nozzle can result in shorting. The nozzle cleaning process can be facilitated by using silicon anti spatter spray which makes removal of the spatter easier. The nozzle can also be removed from the MIG torch and a wire brush used to clean off the spatter build-up.

PRODUCT CODE	DESCRIPTION	THREAD	TORCH
XP2003-08	XP8 CONTACT TIP M8 0.8MM 200/300A	M8	XP8 200A - 300A
XP2003-09	XP8 CONTACT TIP M8 0.9MM 200/300A	M8	XP8 200A - 300A
XP2003-10	XP8 CONTACT TIP M8 1.0MM 200/300A	M8	XP8 200A - 300A
XP2003-12	XP8 CONTACT TIP M8 1.2MM 200/300A	M8	XP8 200A - 300A
XP3003-09	XP8 CONTACT TIP M10 0.9MM 300-450	M10	XP8 300A - 450A
XP3003-10	XP8 CONTACT TIP M10 1.0MM 300-450	M10	XP8 300A - 450A
XP3003-12	XP8 CONTACT TIP M10 1.2MM 300-450	M10	XP8 300A - 450A
XP3003-14	XP8 CONTACT TIP M10 1.4MM 300-450	M10	XP8 300A - 450A
XP3003-16	XP8 CONTACT TIP M10 1.6MM 300-450	M10	XP8 300A - 450A

PRODUCT CODE	DESCRIPTION	STYLE	TORCH
XP2002-13	XP8 TAPERED NOZZLE 13MM 200A	TAPERED	XP8 200A - 300A
XP2002-16	XP8 CONICAL NOZZLE 16MM 200A	CONICAL	XP8 200A - 300A
XP3002-13	XP8 TAPERED NOZZLE 13MM	TAPERED	XP8 300A - 450A
XP3002-16	XP8 CONICAL NOZZLE 16MM 300-450A	CONICAL	XP8 300A - 450A
XP3002-16L	XP8 CON NOZZLE 16MM L 300-450A	CONICAL	XP8 300A - 450A

TAURUS XP8 HEAD ASSEMBLY, GAS DIFFUSER & HEAT SHIELD

HEAD ASSEMBLY / TIP ADAPTOR

The Taurus XP8 head assembly holds the contact tip and the gas diffuser in place.

GAS DIFFUSER

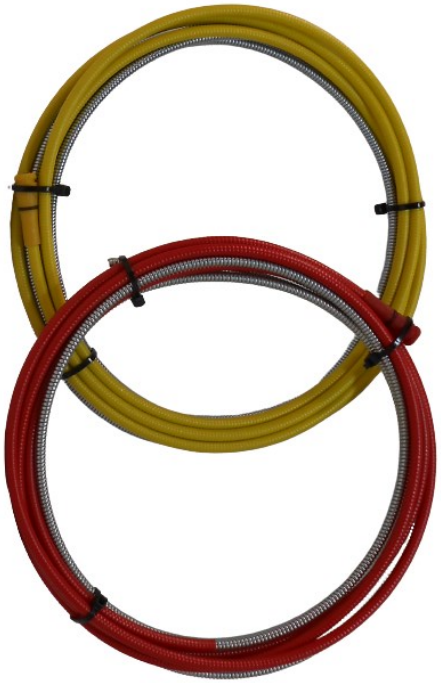
The Taurus XP8 gas diffuser provides gas flow to the weld pool.

HEAT SHIELD

The Taurus XP8 heat shield reduces the heat-flow from the nozzle reaching the conductor tube (swan neck).

PRODUCT CODE	DESCRIPTION	CONTACT TIP THREAD	TORCH
	HEAD ASSEMBLY		
XP2005	XP8 HEAD ASSEMBLY M8 200/300A	M8	XP8 200A - 300A
XP3005	XP8 HEAD ASSEMBLY M10 200/300A	M10	XP8 200A - 300A
XP3505	XP8 HEAD ASSEMBLY M10 350/400/450	M10	XP8 200A - 300A
	HEAT SHIELD		
XP2006B	XP8 MOULD HEAT SHIELD M8 S 200-300A	M8	XP8 200A - 300A
XP3506A	XP8 HEAT SHIELD ALUM M10 350-450A	M10	XP8 350A - 450A
XP3506B	XP8 MOULDED HEAT SHIELD M10 350-450A	M10	XP8 350A - 450A
	GAS DIFFUSER		
XP2004B	XP8 GAS DIFFUSER M8 HEAD 200/300A	M8	XP8 200A - 300A
XP3004B	XP8 GAS DIFFUSER M10 HEAD 350-450	M10	XP8 350A - 450A
XP3004C	XP8 GAS DIFF CERAMIC M10 350-450A	M10	XP8 350A - 450A

TAURUS XP8 LINERS



LINERS

The Taurus XP8 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.

CODE	LINER TYPE	LENGTH	WIRE SIZE	WIRE TYPE	200A	300A	350A	400A
XP2024-12.30	STEEL - PVC COATED	3m	1.0 - 1.2	STEEL WIRES	●	●		
XP2024-12.40	STEEL - PVC COATED	4m	1.0 - 1.2	STEEL WIRES	●	●		
XP3524-12-40	STEEL - PVC COATED	4m	1.0 - 1.2	STEEL WIRES			●	●
XP3524-12-50	STEEL - PVC COATED	5m	1.0 - 1.2	STEEL WIRES			●	●
XP3524-16-40	STEEL - PVC COATED	4m	1.2 - 1.6	STEEL WIRES			○	○
XP3524-16-50	STEEL - PVC COATED	5m	1.2 - 1.6	STEEL WIRES			○	○

● Solid means recommended

○ Clear means compatible

PRODUCT CODE	DESCRIPTION	LINER TYPE	LENGTH (m)	TORCH
	LINERS			
XP2024-12.30	XP8 LINER CONDUIT 1.0-1.2 X 3M	PVC STEEL LINER	3	XP8 200A - 300A
XP2024-12.40	XP8 LINER CONDUIT 1.0-1.2 X 4M	PVC STEEL LINER	4	XP8 200A - 300A
XP3524-12-40	XP8 LINER CONDUIT 1.0-1.2 X 4M	PVC STEEL LINER	4	XP8 350A - 400A
XP3524-12-50	XP8 LINER CONDUIT 1.0-1.2 X 5M	PVC STEEL LINER	5	XP8 350A - 400A
XP3524-16-40	XP8 LINER CONDUIT 1.6 X 4M	PVC STEEL LINER	4	XP8 350A - 400A
XP3524-16-50	XP8 LINER CONDUIT 1.6 X 5M	PVC STEEL LINER	5	XP8 350A - 400A
	LINER NUT	**TORCH ADAPTOR TYPE**		
XP2026	XP8 LINER RETAINING NUT 200-450A	EURO	-	XP8 200A - 400A

TAURUS XP8 CONDUCTOR TUBE & POWER CABLE

CONDUCTOR TUBES

The Taurus XP8 conductor tube is the extended section protruding from the torch handle on which the head assembly, contact tip and gas nozzle are mounted. The conductor tube delivers the electrical current, filler wire, and shielding gas on to the weld pool.

POWER CABLES

The Taurus XP8 power cable is manufactured from high-quality copper to the correct torch specification and amperage. The power cable delivers current, shielding gas and wire through the MIG torch to the work piece. If the power cable is water cooled, it will also allow water to flow through to the conductor tube to facilitate cooling.

PRODUCT CODE	DESCRIPTION	TORCH
	CONDUCTOR TUBES	
XP2001	XP8 SWAN NECK 200A	XP8 200A
XP3501	XP8 SWAN NECK 350A	XP8 350A
	POWER CABLE ASSEMBLYS	
XP3510-40	XP8 HYP/FLEX CABLE ASSEM 4M 350A	XP8 350A
XP3510-50	XP8 HYP/FLEX CABLE ASSEM 5M 350A	XP8 350A

MIG TORCHES

AND

ACCESSORIES

11 Venda Road, Unit 6, Sebenza, Edenvale, Gauteng

011-392-5661

order@cut-n-weld.co.za

www.cut-n-weld.co.za

BROCHURES AVAILABLE

SAFETY EQUIPMENT FOR PPE & ONSITE

WELDING EQUIPMENT & ACCESSORIES

GAS EQUIPMENT & ACCESSORIES

WELDING & PLASMA MACHINES

PLASMA TORCH & ACCESSORIES

MIG TORCH & ACCESSORIES

TIG TORCH & ACCESSORIES

WELDING CONSUMABLES