

Flexlite TX

IGNITE YOUR PASSION FOR WELDING



2.05.2024



Designed for welders



Flexlite TX



reddot winner 2020
industrial design



IGNITE YOUR PASSION FOR WELDING

Flexlite TX welding torches for TIG welding feature excellent technical performance, extended consumables life, and everyday welding comfort. Durable silicone rubber material gives a firm grip while the torch handle's innovative design reduces wrist loading, allowing welders to concentrate on challenging tasks to achieve the perfect weld.

Available in alternative power classes and lengths, the Flexlite TX TIG torch range includes different neck versions for water and gas-cooled models. On-torch remote control options allow accurate and immediate welding current adjustment at a distance. To get the best quality and cost-effectiveness for your welding, equip your Flexlite TX torch with Kemppi consumables.

[In Kemppi Configurator](#), you are able to configure the TIG welding torch package suitable for your needs.



KEY BENEFITS



EXCELLENT ERGONOMICS

Unique and innovative handle flexibility moves the moment of load away from the welder's wrist



USABILITY MEANS EFFICIENCY

Compact neck designs offer superb cooling performance and good access to challenging joint designs



QUALITY IS MORE THAN MEETS THE EYE

Kemppi consumables and accessories support both welding quality and productivity

BENEFITS

- Choose from fixed, flexible, and S-shaped rotating neck designs
- Flexible cable set with leather sheathing protection maximizes durability
- Innovative torch design increases user comfort by reducing wrist loading
- Silicone rubber material gives a firm grip on the handle
- Kemppi consumables guarantee high quality and cost-effectiveness for your welding
- Torch models available with or without a trigger switch
- Optional switch extension increases trigger control accuracy
- On-torch remote control options with roller and rocker type switches



PRODUCT OPTIONS



TX 133GF

130 A, gas-cooled, Flex neck, 8m, Small torch head



TX 163GF

160 A, gas-cooled, Flex neck, No switch, 8m, Large torch head



TX 163GS

160 A, gas-cooled, S neck, 4m or 8m Small torch head



TX 163GVD9

160 A, gas-cooled, Gas valve, DIX 9mm, 4m, Large torch head



TX 223G

220 A, gas-cooled, 4m or 8m, Large torch head



TX 223GE

220 A, Gas-cooled, 4m, Large torch head, Euro connector



TX 223GS

220 A, gas-cooled, S neck, 8m or 16m, Large torch head



TX 223GVD13

200 A, gas-cooled, Gas valve, DIX 13, Large torch head



TX 253WS

250 A, water-cooled, S neck, 4m or 8m, Small torch head



TX 253WSE

250 A, Water-cooled, S neck, 4m or 8m,
Small torch head, Euro connector



TX 303WF

300 A water cooled, Flex neck, 8m, Small
torch head



TX 353W

350 A, water-cooled, 4m, 8m or 16m, Large
torch head



TX 353WE

350 A, Water-cooled, 4m, Large torch head,
Euro connector



TX 135GF

130 A gas cooled, Flex neck, 4m, 8m or
16m, Small torch head



TX 165G

160 A gas cooled, 4m, 8m or 16m, Large
torch head



TX 165GF

160 A gas cooled, Flex neck, 4m, 8m or
16m, Large torch head



TX 165GS

160 A gas cooled, S neck, 4m, 8m or 16m,
Small torch head



TX 225G

220 A gas cooled, 4m, 8m or 16m, Large
torch head



TX 225GF

220 A, Gas-cooled, Flex neck, Large torch head



TX 225GS

220 A gas cooled, S neck, 4m, 8m or 16m, Large torch head



TX 225GFL

220 A, gas-cooled, 4m or 8m, rotating and lockable neck, large torch head



TX 255WS

250 A Water cooled, S neck, 4m, 8m or 16m, Small torch head



TX 255WFL

250 A water cooled, 4m, 8m or 16m, rotating and lockable neck



TX 305W

300 A water-cooled, 4m or 8m, Small torch head



TX 305WF

300 A water cooled, Flex neck, 4m, 8m or 16m, Small torch head



TX 355W

350 A water cooled, 4m, 8m or 16m, Large torch head



TX 455W

450 A, water-cooled, 4m or 8m, Large torch head.



FEATURES



reddot winner 2020
industrial design



Red Dot Design Award: Product Design 2020

Flexlite TX TIG welding torch has been awarded with the Red Dot Award: Product Design 2020. Flexlite TX is a TIG welding torch series which is designed to improve welding ergonomics and features compact neck design for demanding welding applications. Red Dot Award is one of the most prestigious design awards in the world, and the most sought-after marks of quality for good design internationally.



Excellent ergonomics

Flexlite TX torches increase user comfort and lower welder fatigue. Silicone rubber material gives a firm grip, and the innovative design reduces wrist loading, allowing you to concentrate on challenging tasks to achieve the perfect weld.



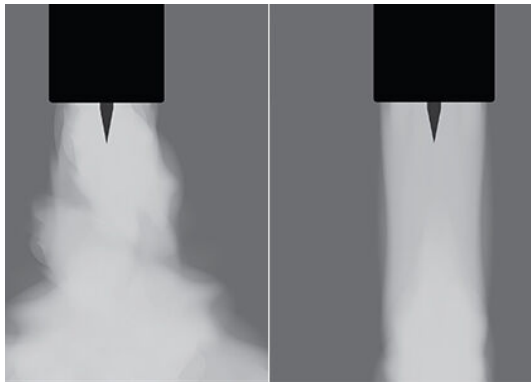
Wide models range

Flexlite TX torches are available in alternative power classes and lengths, including different neck versions: fixed, flexible and S-shaped. Be it road vehicles or aerospace, you can be sure to select the capacity, size, and length, to match your application.



Elevated usability

Flexlite TX torch handles are shaped to the hand. They consider both right and left-handed welders and alternative holding positions. Combined with the cable set's flexibility and leather sheathing protection, Flexlite TX materials selection elevates usability to maximize welding comfort and practical durability.



Genuine quality

Shielding gas flow has a significant effect on weld quality. The picture on the left shows a highly turbulent flow, offering poor shielding and elevated gas consumption. On the right, a torch fitted with a Kemppi gas lens kit creates a smooth laminar gas flow, excellent weld pool shielding, and economic gas usage. Kemppi gas lenses include many high-quality gas diffuser mesh layers which improve the laminar flow compared to other conventional designs.



Patented silicone handle

Flexlite TX's silicone handle is patented, and its back end is flexible. This feature makes it more comfortable and ergonomic in the welder's hand.



Find the information you need

All Flexlite TX torches are equipped with a QR code. Scanning the code with your mobile phone takes you directly to relevant ordering codes, consumables and product documents.



Trigger switch options

Available with or without a trigger switch, Flexlite TX range also includes an optional switch extension to replace the regular switch. It makes the trigger control more accurate when holding the torch close to the welding head.



Remote control options

Whatever your preference and machine type, Flexlite TX TIG torches offer an alternative on-torch remote control, which allows accurate and immediate welding current adjustment at distance. Select either a rocker or roller type of switch.



Consumable starter kits

Kempfi's PRO consumable starter kits include a complete set of consumables for your TIG welding applications. The kits provide all TIG torch accessories you need to start welding. By selecting Kempfi's TIG consumables you will receive the durability and performance that you need.



ACCESSORIES



PRO KIT 5/16-24

Includes a complete set of consumables for small torch bodies.



PRO KIT 3/8-32

Includes a complete set of consumables for large torch bodies.



TXR10

Optional on-torch remote control with a roller-type current control switch. Available for water and gas-cooled Flexline torch models.



TXR20

Optional on-torch remote control with a rocker type current control switch. Available for water and gas-cooled Flexline torch models.



Flexline TX

Optional switch extension to replace the regular Flexline TX switch. Increases trigger control accuracy when the torch is held close to the welding head.



TECHNICAL SPECIFICATIONS

TORCHES, 130 A

TX 135GF

TX 135GFN

TX 133GF

| | | | |
|----------------------------------|-------------|-------------|-------------|
| Standards | IEC 60974-7 | IEC 60974-7 | IEC 60974-7 |
| Type of cooling | Gas | Gas | Gas |
| Type of connection (Current-gas) | G1/4 | G1/4 | G1/4 |
| Load capacity @ 40 % (Argon) | 130 | 130 | 130 A |
| Load capacity @ 100 % (Argon) | - | - | - |
| Type of connection (Control) | 7-pin | 7-pin | 4-pin |
| Type of connection (Coolant) | - | - | - |
| Remote control | Optional | No | No |
| Neck type | Flexible | Flexible | Flexible |

TORCHES, 160 A

TX 165GF

TX 165GFN

TX 165GS

TX 165GSN

TX 165G

TX 163GF

TX 163GS

TX 163GVD9

| | | | | | | | | |
|----------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Standards | IEC 60974-7 | IEC 60974-7 | IEC 60974-7 | IEC 60974-7 | IEC 60974-7 | IEC 60974-7 | IEC 60974-7 | IEC 60974-7 |
| Type of cooling | Gas | Gas | Gas | Gas | Gas | Gas | Gas | Gas |
| Type of connection (Current-gas) | G1/4 | G1/4 | G1/4 | G1/4 | G1/4 | G1/4 | G1/4 | DIX 9 mm |
| Load capacity @ 40 % (Argon) | 160 | 160 | 160 | 160 | 160 | 160 A | 160 A | 160 A |
| Load capacity @ 100 % (Argon) | - | - | - | - | - | - | - | - |
| Type of connection (Control) | 7-pin | 7-pin | 7-pin | 7-pin | 7-pin | 4-pin | 4-pin | - |
| Type of connection (Coolant) | - | - | - | - | - | - | - | - |
| Remote control | Optional | No | Optional | No | Optional | No | No | No |
| Neck type | Flexible | Flexible | Rotating | Rotating | 70° angle | Flexible | Rotating | 70° angle |

TORCHES, 220 A

TX 225G

TX 225GN

TX 225GS

TX 223G

TX 223GE

TX 223GS

TX 223GVD13

| | | | | | | | |
|----------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Standards | IEC 60974-7 | IEC 60974-7 | IEC 60974-7 | IEC 60974-7 | IEC 60974-7 | IEC 60974-7 | IEC 60974-7 |
| Type of cooling | Gas | Gas | Gas | Gas | Gas | Gas | Gas |
| Type of connection (Current-gas) | G1/4 | G1/4 | G1/4 | G1/4 | Euro | G1/4 | DIX 13 mm |
| Load capacity @ 40 % (Argon) | 220 | 220 | 220 | 220 A | 220 A | 220 A | 220 A |
| Load capacity @ 100 % (Argon) | - | - | - | - | - | - | - |
| Type of connection (Control) | 7-pin | 7-pin | 7-pin | 4-pin | Euro | 4-pin | - |
| Type of connection (Coolant) | - | - | - | - | - | - | - |
| Remote control | Optional | No | Optional | No | No | No | No |
| Neck type | 70° angle | 70° angle | Rotating | 70° angle | 70° angle | Rotating | 70° angle |



TORCHES, 250 A

TX 255WS

TX 255WSN

TX 253WS

TX 253WSE

| | | | | |
|----------------------------------|----------------|----------------|-------------|----------------|
| Standards | IEC 60974-7 | IEC 60974-7 | IEC 60974-7 | IEC 60974-7 |
| Type of cooling | Liquid | Liquid | Water | Water |
| Type of connection (Current-gas) | G1/4 | G1/4 | | Euro |
| Load capacity @ 40 % (Argon) | 250 | 250 | 250 A | 250 A |
| Load capacity @ 100 % (Argon) | 200 | 200 | 200 A | 200 A |
| Type of connection (Control) | 7-pin | 7-pin | 4-pin | Euro |
| Type of connection (Coolant) | Snap connector | Snap connector | G1/4 & G3/8 | Snap connector |
| Remote control | Optional | No | No | No |
| Neck type | Rotating | Rotating | Rotating | Rotating |

TORCHES, 300 A

TX 305WF

TX 305WFN

TX 303WF

| | | | |
|----------------------------------|----------------|----------------|-------------|
| Standards | IEC 60974-7 | IEC 60974-7 | IEC 60974-7 |
| Type of cooling | Liquid | Liquid | Water |
| Type of connection (Current-gas) | G1/4 | G1/4 | |
| Load capacity @ 40 % (Argon) | 300 | 300 | 300 A |
| Load capacity @ 100 % (Argon) | 200 | 200 | 200 A |
| Type of connection (Control) | 7-pin | 7-pin | 4-pin |
| Type of connection (Coolant) | Snap connector | Snap connector | G1/4 & G3/8 |
| Remote control | Optional | No | No |
| Neck type | Flexible | Flexible | Flexible |

TORCHES, 350 A

TX 355W

TX 355WN

TX 353W

TX 353WE

| | | | | |
|----------------------------------|----------------|----------------|-------------|----------------|
| Standards | IEC 60974-7 | IEC 60974-7 | IEC 60974-7 | IEC 60974-7 |
| Type of cooling | Liquid | Liquid | Water | Water |
| Type of connection (Current-gas) | G1/4 | G1/4 | | Euro |
| Load capacity @ 40 % (Argon) | 350 | 350 | 350 A | 350 A |
| Load capacity @ 100 % (Argon) | 250 | 250 | 250 A | 250 A |
| Type of connection (Control) | 7-pin | 7-pin | 4-pin | Euro |
| Type of connection (Coolant) | Snap connector | Snap connector | G1/4 & G3/8 | Snap connector |
| Remote control | Optional | No | No | No |
| Neck type | 70° angle | 70° angle | 70° angle | 70° angle |

TORCHES, 450 A

TX 455W

| | |
|----------------------------------|----------------|
| Standards | IEC 60974-7 |
| Type of cooling | Liquid |
| Type of connection (Current-gas) | G1/4 |
| Load capacity @ 40 % (Argon) | 450 A |
| Load capacity @ 100 % (Argon) | 320 A |
| Type of connection (Control) | 7-pin |
| Type of connection (Coolant) | Snap connector |
| Remote control | Optional |
| Neck type | 70° angle |



ACCESSORIES

PRO KIT 5/16-24

| | |
|--------------|---------|
| Product code | W016085 |
|--------------|---------|

PRO KIT 3/8-32

| | |
|--------------|---------|
| Product code | W016086 |
|--------------|---------|

TXR10

| | |
|--------------|-----------------|
| Description | remote control |
| Product code | TXR10W / TXR10G |

TXR20

| | |
|--------------|-----------------|
| Description | remote control |
| Product code | TXR20W / TXR20G |

Flexlite TX

| | |
|--------------|-------------------|
| Description | trigger extension |
| Product code | SP801091 |

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Kemppi is the design leader in the arc welding industry. We are committed to boosting the quality and productivity of welding by continuous development of the welding arc and by working for a greener and more equal world. Kemppi supplies sustainable products, digital solutions, and services for professionals from industrial welding companies to single contractors. The usability and reliability of our products is our guiding principle. We operate with a highly skilled partner network covering over 70 countries to make its expertise locally available. Headquartered in Lahti, Finland, Kemppi employs close to 800 professionals in 16 countries and has a revenue of 195 MEUR in 2022.

