

# Flexlite TX

IGNITE YOUR PASSION FOR WELDING



## 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

Kempfi consumables and accessories support both welding quality and productivity

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## 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
- Kempfi 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, 8m or 16 m, 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 135GFN**

130 A gas cooled, Flex neck, No switch 4m  
or 8m, Small torch head



**TX 165GSN**

160 A gas cooled, S-neck, No switch, 8m,  
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 165GFN**

160 A gas cooled, Flex neck, No switch, 4m or 8m, 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 225GN**

220 A gas cooled, No switch, 4m or 8m, Large torch head



**TX 225GS**

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



**TX 255WS**

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



**TX 255WSN**

250 A water cooled, S neck, No switch, 8m, Small torch head



**TX 305WF**

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



**TX 305WFN**

300 A water cooled, Flex neck, No switch, 8m, Small torch head



**TX 355W**

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



**TX 355WN**

350 A water cooled, No switch, 8m, Large torch head



**TX 305W**

300 A water cooled, 4m or 8m



**TX 455W**

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



**TX 225GFL**

220 A gas cooled, 4m or 8m, rotating and lockable neck



**TX 255WFL**

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



## FEATURES



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### 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

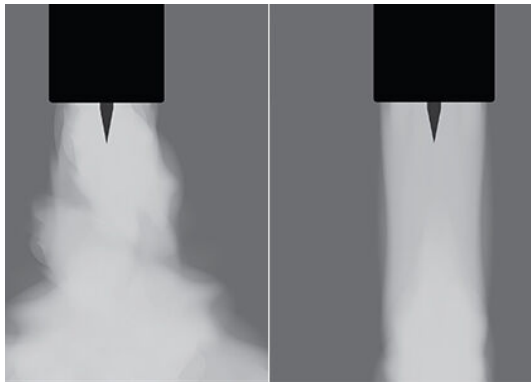
Flexlite TX torches are available in alternative power classes and lengths, including different neck versions: fixed, flexible and S-shaped. Be it road vehicles or aerospace, you can be sure to select the capacity, size, and length, to match your application.



### 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.



### 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

Kemppi'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 Kemppi's TIG consumables you will receive the durability and performance that you need.



## ACCESSORIES

Kemppi PRO KIT 5/16-24

### PRO KIT 5/16-24

Includes a complete set of consumables for small torch bodies.

Kemppi PRO KIT 3/8-32

### PRO KIT 3/8-32

Includes a complete set of consumables for large torch bodies.

Kemppi TXR10

### TXR10

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

Kemppi TXR20

### TXR20

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

Kemppi Flexlite TX

### Flexlite TX

Optional switch extension to replace the regular Flexlite 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
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### PRO KIT 3/8-32

Product code	W016086
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### TXR10

Description	remote control
Product code	TXR10W / TXR10G

### TXR20

Description	remote control
Product code	TXR20W / TXR20G

### Flexlite TX

Description	trigger extension
Product code	SP801091

[WWW.KEMPPI.COM](http://WWW.KEMPPI.COM)

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**Kemppi** is the design leader of the arc welding industry. We are committed to boosting the quality and productivity of welding by continuous development of the welding arc. Kemppi supplies advanced 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 17 countries and has a revenue of 140 MEUR.

