

FSW9K - BRONZE

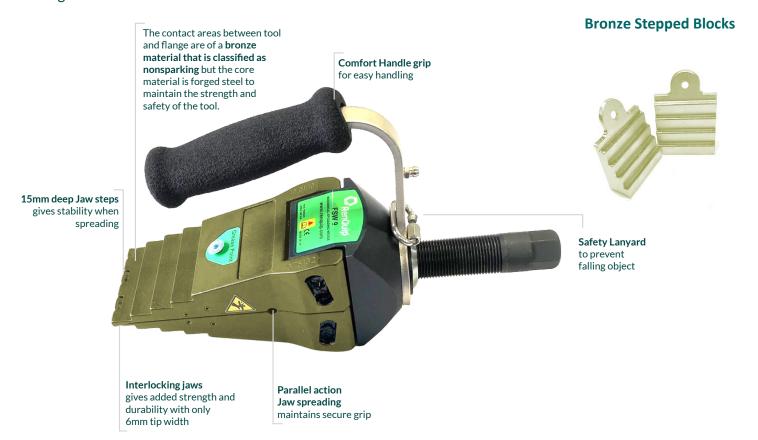
Spark Resistant Flange Spreading Wedge

A Spark Resistant Mechanical Flange Spreading wedge actuated by applying torque.

The FSW9 flange spreading wedge can enter a flange joint access gap as small as 6mm (0.24") and produce a maximum spreading force of 188kN (18.8T) when used in pairs (as recommended) to push the mating faces of flanges apart.

The FSW9 can create a gap up to 81mm (3.19") between flange faces with the stepped blocks fitted facilitating the replacement of gaskets, seal rings, or other flange face maintenance and testing.

- 100% Load/Pressure tested and certified
- High durability, High Quality, Low Maintenance
- Tool weight 5.5Kg (12.1lbs)
- Max Spreading force 94kN (9.4T)
- Spreading distance 6mm (0.24") to 81mm (3.19")
- Robust Moulded Case

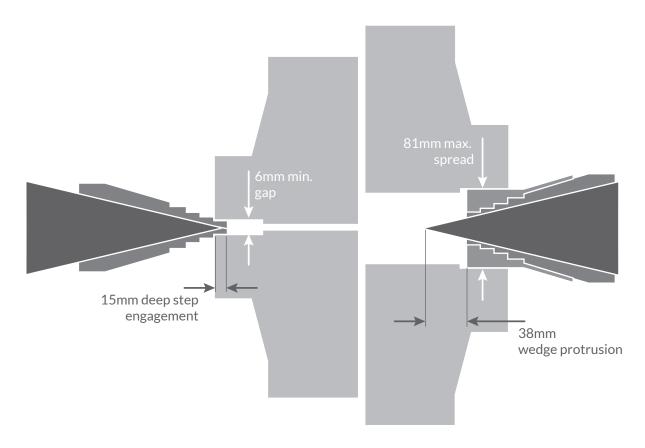


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FSW9K - BRONZE

Flange Spreading Wedge





Max Spreading Force: 94kN (9.4T)

Max Applied Torque: 200Nm (150ft.lb)

Kit weight: 12Kg (26.5lbs)

Kit Dims.: 580mm x 340mm x 180mm

(22.8" x 13.4" x 7.1")

Tool Weight: 5.5Kg

Tool Dims.: 80mm x 160mm x 290mm

(3.1" x 6.3" x 11.4")

Product ordering code: FSW9K-BRONZE

Kit Content

- 1 x FSW9 Bronze Jaw Tool
- 1 x Safety Block
- 2 x Bronze Stepped Blocks with securing screws and allen key
- 1 x 200Nm (150ft.lb) Torque Wrench
- 1 x 22mm (1/2") Drive socket
- 1 x Instruction Manual
- 1 x Robust Moulded Carry Case with foam insert
- 1 x Safety Lanyard



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FSW9D - BRONZE

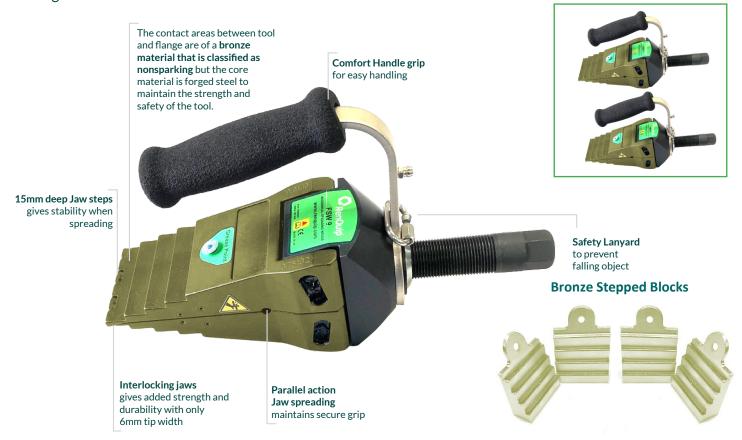
Spark Resistant Flange Spreading Wedge

A pair of Spark Resistant Mechanical Flange Spreading wedges actuated by applying torque.

The FSW9 flange spreading wedge can enter a flange joint access gap as small as 6mm (0.24") and produce a maximum spreading force of 188kN (18.8T) when used in pairs (as recommended) to push the mating faces of flanges apart.

The FSW9 can create a gap up to 81mm (3.19") between flange faces with the stepped blocks fitted facilitating the replacement of gaskets, seal rings, or other flange face maintenance and testing.

- 100% Load/Pressure tested and certified
- High durability, High Quality, Low Maintenance
- Tool weight
 5.5Kg (12.1lbs)
- Max Spreading force 94kN (9.4T)
- Spreading distance 6mm (0.24") to 81mm (3.19")
- Robust Moulded Case

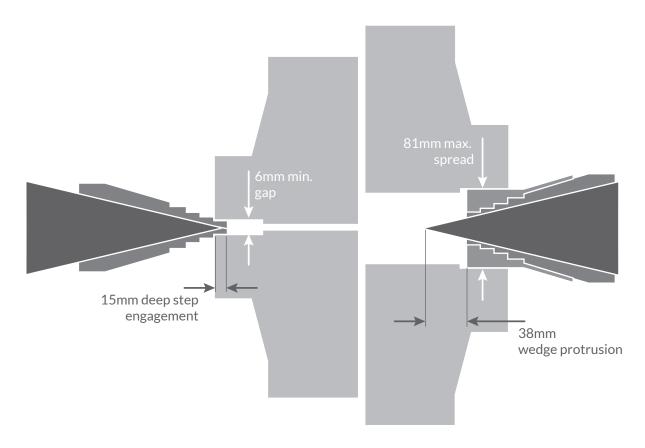


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FSW9D - BRONZE

Flange Spreading Wedge





Max Spreading Force: 94kN (9.4T)

Max Applied Torque: 200Nm (150ft.lb)

Kit weight: 22Kg (48.5lbs)

Kit Dims.: 580mm x 340mm x 180mm

(22.8" x 13.4" x 7.1")

Tool Weight: 5.5Kg

Tool Dims.: 80mm x 160mm x 290mm

(3.1" x 6.3" x 11.4")

Product ordering code: FSW9D-BRONZE

Kit Content

- 2 x FSW9 Bronze Jaw Tool
- 2 x Safety Block
- 4 x Bronze Stepped Blocks with securing screws and allen key
- 2 x 200Nm (150ft.lb) Torque Wrench
- 2 x 22mm (1/2") Drive socket
- 1 x Instruction Manual
- 1 x Robust Moulded Carry Case with foam insert
- 2 x Safety Lanyard



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FSW17P - BRONZE

Spark Resistant Flange Spreading Wedge

A Spark Resistant Hydraulic Flange Spreading Wedge with a combined hydraulic cylinder and pump unit.

The FSW17P flange spreading wedge can enter a flange joint access gap as small as 6mm and produce a maximum force of 326kN when used in pairs (as recommended) to push the mating faces of flanges apart. The FSW17P can create a gap up to 81mm between flange faces with the stepped blocks fitted facilitating the replacement of gaskets, seal ring's, or other flange face maintenance and testing.

- 100% Load/Pressure tested and certified
- High durability High Quality low Maintenance design
- Tool weight 8.5Kg
- Max Spreading force 163kN (326kN when used in pairs)
- Spreading distance 6mm to 81mm when used with stepped blocks
- Robust Moulded Case for easy transportation and storage

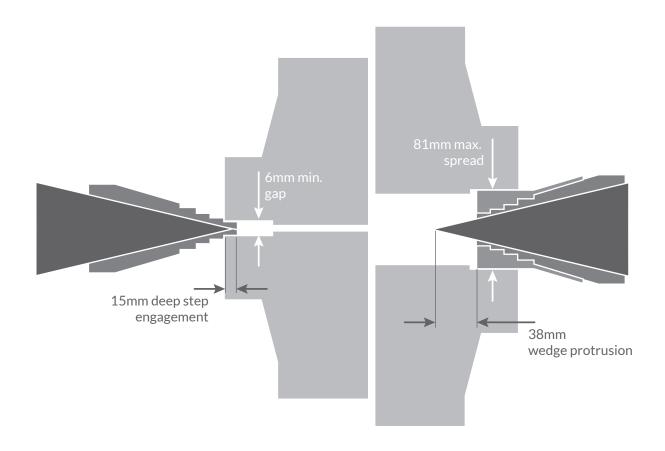


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FSW17P - BRONZE

Flange Spreading Wedge





Kit weight: 13Kg

Kit Dims.: 580mm x 340mm x 180mm

Tool Weight: 8.5Kg

Tool Dims.: 76mm x 155mm x 440mm

Product ordering code: FSW17P - BRONZE

Kit Content

- 1 x FSW17P-BRONZE Tool with combined hydraulic cylinder and pump unit
- 1 x Pump Actuating Handle
- 1 x Non Ferrous Safety Block
- 1 x Safety Lanyard
- 2x Bronxe Stepped Blocks with securing screws and allen key
- 1 x Instruction Manual
- 1 x Robust moulded carry case



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FSW17K - BRONZE

Spark Resistant Flange Spreading Wedge

A Spark Resistant Hydraulic Flange Spreading Wedge actuated by 700bar hydraulics.

The FSW17-Bronze flange spreading wedge can enter a flange joint access gap as small as 6mm and produce a maximum force of 326kN when used in pairs (as recommended) to push the mating faces of flanges apart.

The FSW17-Bronze can create a gap up to 81mm between flange faces with the stepped blocks fitted facilitating the replacement of gaskets, seal ring's, or other flange face maintenance and testing.

- 100% Load/Pressure tested and certified
- Spark Resistant High durability High Quality low Maintenance design
- Tool weight 7Kg
- Max Spreading force 163kN (326kN when used in pairs)
- Spreading distance
 6mm to 81mm (when used with stepped blocks)
- Robust Moulded Case for easy transportation and storage

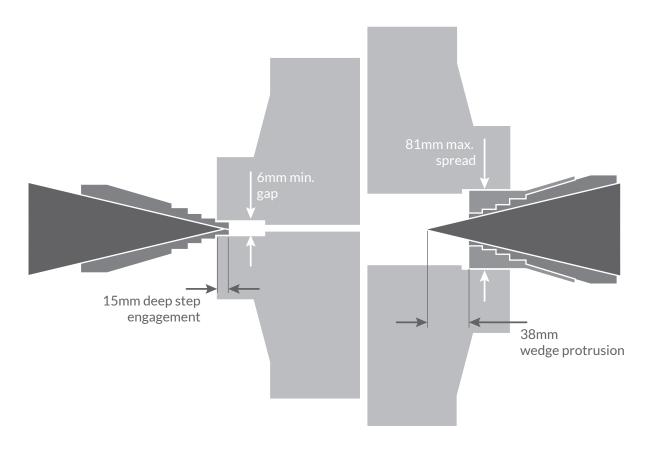


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FSW17K

Flange Spreading Wedge





Kit weight: 12Kg

Kit Dims.: 580mm x 340mm x 180mm

Tool Weight: 7Kg

Tool Dims.: 76mm x 155mm x 350mm

Product ordering code: FSW17K-BRONZE

Kit Content

- 1 x FSW17 Bronze Jaw Tool
- 1 x Non Ferrous Safety Block
- 1 x Safety Lanyard
- 2 x Bronze Stepped Blocks with securing screws
- 1 x Instruction Manual
- 1 x Robust moulded carry case



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FSW17H - BRONZE

Spark Resistant Flange Spreading Wedge and Pump

A Spark Resistant Hydraulic Flange Spreading Wedge actuated by the pump incluided in the kit.

The FSW17-Bronze flange spreading wedge can enter a flange joint access gap as small as 6mm and produce a maximum force of 326kN when used in pairs (as recommended) to push the mating faces of flanges apart.

The FSW17-Bronze can create a gap up to 81mm between flange faces with the stepped blocks fitted facilitating the replacement of gaskets, seal ring's, or other flange face maintenance and testing.

- 100% Load/Pressure tested and certified
- Spark Resistant High durability High Quality low Maintenance design
- Tool weight 7Kg
- Max Spreading force 163kN (326kN when used in pairs)
- Spreading distance 6mm to 81mm (when used with stepped blocks)
- Robust Moulded Case for easy transportation and storage

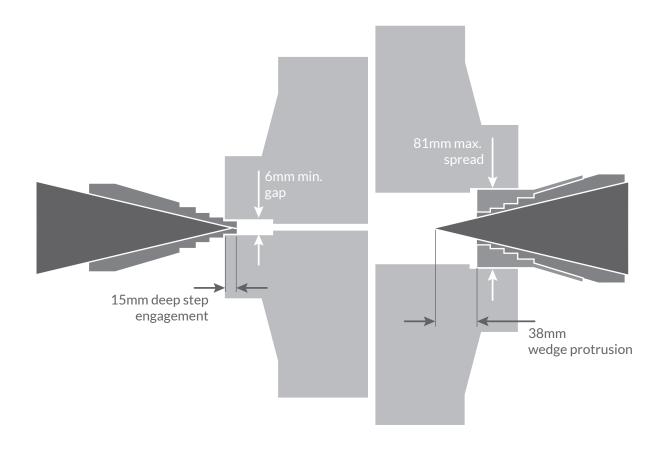


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FSW17H - BRONZE

Flange Spreading Wedge





Kit weight: 17Kg

Kit Dims.: 580mm x 340mm x 180mm

Tool Weight: 7Kg

Tool Dims.: 76mm x 155mm x 350mm

Product ordering code: FSW17H-BRONZE

Kit Content

- 1 x FSW17 Bronze Jaw Tool
- 1 x PH300S Hydraulic Hand Pump
- 1 x Hydraulic Hose with Couplers
- 1 x Non Ferrous Safety Block
- 1 x Safety Lanyard
- 2 x Bronze Stepped Blocks with securing screws
- 1 x Instruction Manual
- 1 x Robust moulded carry case



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FSW17D - BRONZE

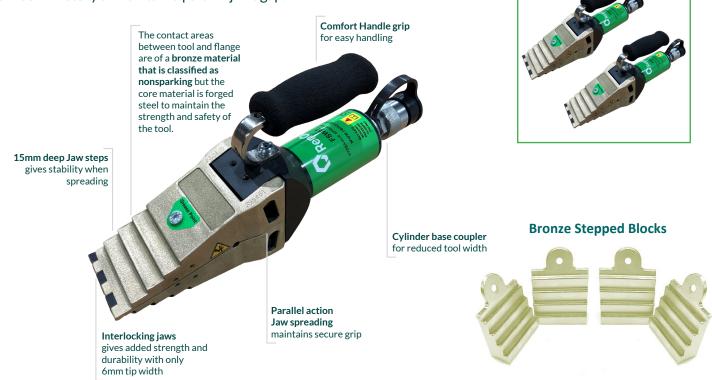
Spark Resistant Flange Spreading Wedge Twin Tool Kit

A set of 2 Spark Resistant Hydraulic Flange Spreading Wedges actuated by 700bar hydraulics.

The FSW17-Bronze flange spreading wedge can enter a flange joint access gap as little as 6mm and produce a maximum force of 326kN when used in pairs (as recommended) to push the mating faces of flanges apart. The FSW17-Bronze can create a gap up to 81mm between flange faces with the stepped blocks fitted facilitating the replacement of gaskets, seal ring's, or other flange face maintenance and testing.

It is strongly recommended that a minimum of 2 flange spreading wedges are used when spreading a flange joint. The flange spreading wedges should positioned at opposite sides of the flange joint and actuated as necessary to maintain a parallel joint gap.

- 100% Load/Pressure tested and certified
- Spark Resistant High durability High Quality low Maintenance design
- Tool weight 7Kg
- Max Spreading force 163kN (326kN when used in pairs)
- Spreading distance 6mm to 81mm (when used with stepped blocks)
- Robust Moulded Case for easy transportation and storage

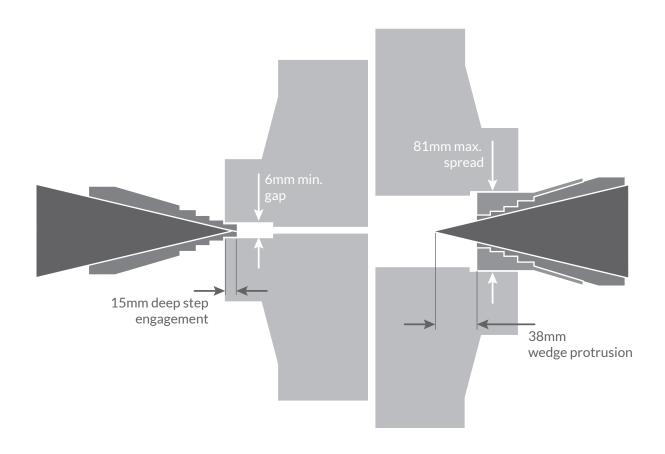


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FSW17D

Flange Spreading Wedge Twin Tool Kit





Kit weight: 20Kg

Kit Dims.: 580mm x 340mm x 180mm

Tool Weight: 7Kg

Tool Dims.: 76mm x 155mm x 350mm

Product ordering code: FSW17K-BRONZE

Kit Content

- 2 x FSW17 Bronze Jaw Tool
- 2 x Non Ferrous Safety Block
- 2 x Safety Lanyard
- 4 x Bronze Stepped Blocks with securing screws
- 1 x Instruction Manual
- 1 x Robust moulded carry case



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FSW17M - BRONZE

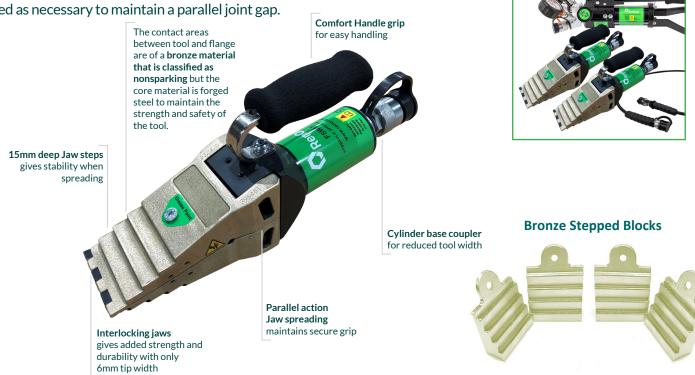
Spark Resistant Flange Spreading Wedge Twin Tool and Pump Kit

A set of 2 Spark Resistant Hydraulic Flange Spreading Wedges with a hydraulic hand pump, hoses and accessories...

The FSW17-Bronze flange spreading wedge can enter a flange joint access gap as little as 6mm and produce a maximum force of 326kN when used in pairs (as recommended) to push the mating faces of flanges apart. The FSW17-Bronze can create a gap up to 81mm between flange faces with the stepped blocks fitted facilitating the replacement of gaskets, seal ring's, or other flange face maintenance and testing.

It is strongly recommended that a minimum of 2 flange spreading wedges are used when spreading a flange joint. The flange spreading wedges should positioned at opposite sides of the flange joint and actuated as necessary to maintain a parallel joint gap.

- 100% Load/Pressure tested and certified
- Spark Resistant High durability High Quality low Maintenance design
- Tool weight 7Kg
- Max Spreading force 163kN (326kN when used in pairs)
- Spreading distance 6mm to 81mm (when used with stepped blocks)
- Robust Moulded Case for easy transportation and storage

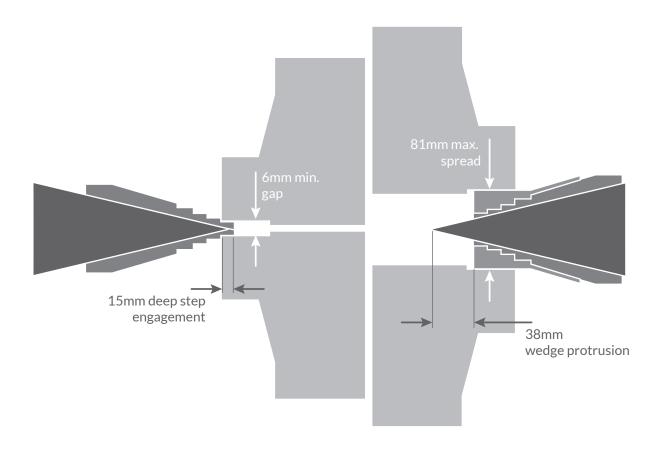


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FSW17M - BRONZE

Flange Spreading Wedge Twin Tool and Pump Kit





Kit weight: 31Kg

Kit Dims.: 920mm x 510mm x 210mm

Tool Weight: 7Kg

Tool Dims.: 76mm x 155mm x 350mm

Product ordering code: FSW17M-BRONZE

Kit Content

- 2 x FSW17 Bronze Jaw Tool
- 2 x Non Ferrous Safety Block
- 2 x Safety Lanyard
- 4 x Bronze Stepped Blocks with securing screws
- 1 x PH300T Sealed Hydraulic Hand Pump with twin outlets and screw couplers.
- 2 x Hydraulic Pressure Gauges complete with gauge adaptors.
- 2 x 2M hydraulic hoses complete with screw couplers.
- 1 x Instruction Manual
- 1 x Robust moulded carry case



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FSW BRONZE

SPARK RESISTANT FSW JAWS and STEPPED BLOCKS

RenQuip have developed Jaws and stepped blocks for use with the FSW range of flange Spreaders to reduce the risk of sparks when operating in hazardous areas.

The Jaws and Stepped blocks can be retrofitted to FSW17 and FSW9 tools.

The contact areas between tool and flange are of a bronze material that is classified as nonsparking but the core material of the components remain as forged steel to maintain the strength and factor of safety of the tool.



Bronze Jaws



Product Part Number: 153400002

• 2 x Bronze Jaws complete with spiral pins

Bronze Stepped Blocks



Product Part Number: 150200002

• 2 x Bronze Stepped Blocks complete with securing screws

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