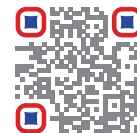


MFF350 MANUAL FLANGE FACER



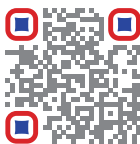
Internal clamping: 0.53 - 10" / 13.5 - 255 mm

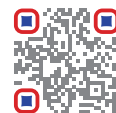
Facing diameter range: 0.53 - 13.8" / 13.5 - 350 mm

New!



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The **Specialized Fabrication Equipment Group** (in short: **S.F.E. Group**) was founded in 2019 after the merger of three world leading OEM's in the field of pipe fabrication tooling and machinery: B&B Pipe and Industrial Tools LLC (USA), Mathey Dearman Inc. (USA) and TAG Pipe Equipment Specialists (UK). In a time span of 5 years, another 4 renowned and market leading companies were acquired and added to the **S.F.E. Group** portfolio: Axxair (France, 2022), Magnatech (USA, 2023), CLIMAX (USA, 2023) and Sumner (USA, 2025).

The vision and philosophy of the **S.F.E. Group** is to offer globally a comprehensive innovative and cost-effective range of specialized fabrication, welding and machining equipment and derived rental solutions, for a wide range of applications within all critical industries, while optimizing performance, efficiency and safety.

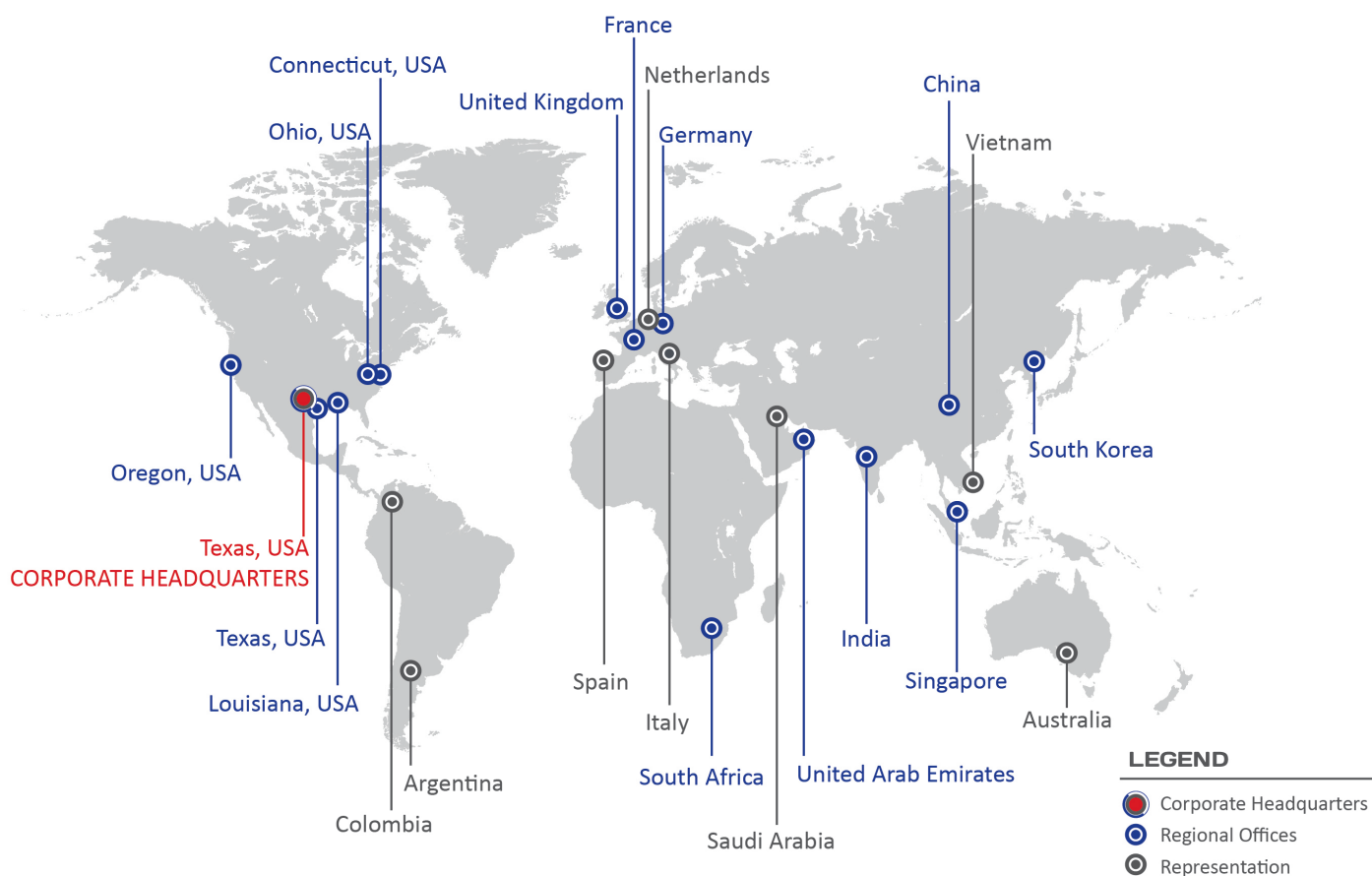
Leveraging over 200 years of combined experience in engineering, manufacturing, and field applications, the **S.F.E. Group** is committed to driving innovation. Through continuous product development and strategic acquisitions, the **S.F.E. Group** is actively growing its portfolio and expanding its global presence to meet the demands of industries around the world. Currently, the **S.F.E. Group** consists of 12 complimentary brands, each supporting the others in delivering cutting-edge solutions.

With offices and warehousing on 5 continents, 400+ employees and more than 500 partnerships and distributors worldwide, **S.F.E. Group** prides itself on consistently offering the highest standards of both product quality and service locally to all its customers.

S.F.E. Group looks forward to welcoming you into its global network as a partner, distributor or end user customer and remains at your disposal at any time.

Contact Americas: sales@sfe-brands.com
Contact International: sales-int@sfe-brands.com

S.F.E. GROUP GLOBAL PRESENCE





The S.F.E. Group's brand **CLIMAX** has been the pioneer and foremost global manufacturer of portable machine tools since 1966, setting the standard with innovative, mission-critical solutions for nearly 60 years. As the original technology leader in portable machining, **CLIMAX** offers an unmatched range of equipment, including line boring, bore welding, flange facing, portable milling, plate bevelling and lathes. With this unrivalled suite of equipment and end-to-end solutions for mission-critical manufacturing and repair work, **CLIMAX** empowers solutions for a wide variety of industries such as Oil & Gas, Mining, Power Generation, Nuclear, Renewable Energy, Transport, Maritime, Aerospace, and Defense.

Embedded within and supported by the strength of 12 complementary brands, S.F.E. Group's global reach, innovative product portfolio, and over 200 years of combined expertise, **CLIMAX** continues to advance the portable machine tool industry with cutting-edge solutions. As the only global OEM that never competes with its customers, **CLIMAX** remains committed to offering the best value while upholding the highest standards of safety and quality. **CLIMAX** is driving innovation, ensuring its continued future global leadership in portable machining.

Known for delivering the highest quality tools and an exceptional customer experience, **CLIMAX** is always nearby and offered via the global S.F.E. Group network with offices and warehousing on five continents and a network of over 350 sales locations and distributors worldwide. The complete **CLIMAX** portfolio can be consulted on the dedicated website: www.CLIMAXPORTABLE.com.

INDUSTRIES SERVED



OUR BRANDS



Our group policy is one of continuous improvements and acquisitions. Products and data tables are subject to change and may vary from those illustrated. Copyright © 2026 Specialized Fabrication Equipment Group, All rights reserved.



- **Functions:** Flat face, raised face flange & spot facing
- **Materials:** Carbon, stainless and exotic alloy steels
- **Power:** Manually powered

The CLIMAX MFF350 Manual Flange Facer is designed for precision flange facing operations in both workshop and field applications.

Compact, lightweight, and manually operated, this machine ensure gasket sealing reliability and compliance with ASME standards, delivering professional-grade performance without the need of power.



"The MFF350 Manual Flange Facer delivers precise, reliable flange facing in the most challenging environments - combining portability with professional-grade performance."

KEY FEATURES

- Compact & portable lightweight manual operation, no power required
- Precision finish achieves ASME B16.5 compliant surface roughness, with Rough (Ra 6.3-12.5 µm) or Stock (Ra 3.2-6.3 µm) finish options.
- Wide and flexible range covers facing diameters up to 350 mm (13.8")
- Durable design robust construction for heavy-duty field conditions
- Cost-effective solution: lower maintenance compared to powered machines
- Easy set up of the ID clamping systems (3 interchangeable options and only one body)
- Feed screw replacement without dismantling or removing the machine from the flange

APPLICATIONS

- On-site flange repair
- Workshop pipe preparation
- Pipeline flange maintenance

INDUSTRIES

- Oil & gas
- Petrochemical
- Power generation
- Shipbuilding & marine
- Water treatment



MODEL

PART NO.	DESCRIPTION
MFF350	MFF350 manual flange facer (body only)

PART NO. MFF350 includes :

- Manual flange facing machine body (without clamping system)
- Tool holder with a set of inserts
- Feed axis screw for stock finish
- Feed axis screw for smooth finish

The MFF350 manual flange facer is delivered in a sturdy, hard plastic carrying case with formed compartments for storing tool components

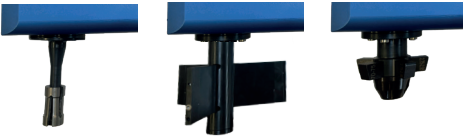


Complete configuration of the MFF350 manual flange facer



Body with cutting tools

+



Clamping systems :
Spring collet kit / Long kit / Short kit



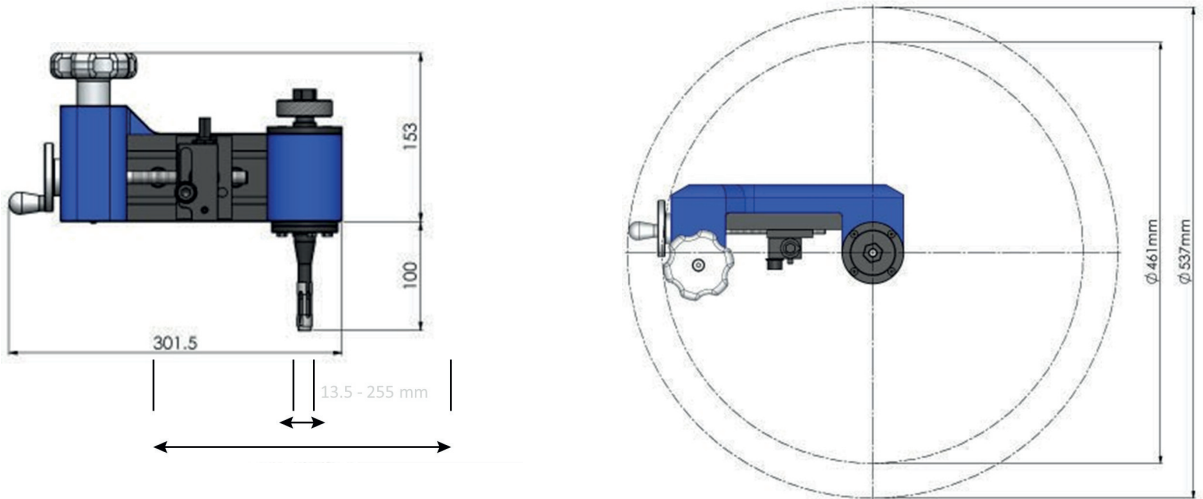
MFF350 manual flange facer

The clamping systems are not included and must be ordered separately.

TECHNICAL SPECIFICATIONS

INTERNAL CLAMPING DIAMETER RANGE	0.53 - 10" / 13.5 - 255 mm
FACING DIAMETER RANGE	0.53 - 13.8" / 13.5 - 350 mm
MINIMUM CLEARANCE	21.14" / 537 mm
SURFACE FINISH	Rough: 6.3 - 12.5 µm Stock: 3.2 - 6.3 µm
COMPLIANCE	ASME B16.5
WEIGHT	7.5 kg / 16.5 lbs (body only - without clamping kit)
PACKAGING WEIGHT	15 kg / 33 lbs

DIMENSIONS



REQUIRED ACCESSORIES

The MFF350 manual flange facer can be equipped with 3 interchangeable ID clamping systems:

- the spring collet clamping kit (PART NO. MFF350-CR1)
- the long clamping kit (PART NO. MFF350-CR2)
- the short clamping kit (PART NO. MFF350-ECR2)

Each kit is fully interchangeable, allowing users to select one or multiple configurations to adapt the MFF350 for a broader range of applications and operating needs.

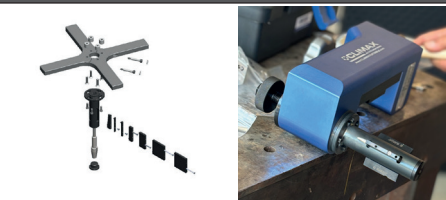
SPRING COLLET CLAMPING KIT

The spring collet clamping kit is designed for smaller ID workpieces and comes standard with a flange facing alignment positioner and a set of 5 collets, sizes S - XXL (13.5 - 30.5 mm / 0.531 - 1.2") .

PART NO.	DESCRIPTION	PICTURE
MFF350-CR1	Spring collet clamping kit (13.5 - 30.5 mm / 0.531 - 1.2")	

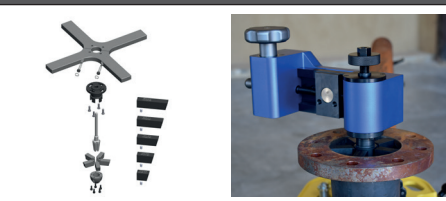
LONG CLAMPING KIT

The long clamping kit comes with a flange facing alignment positioner and a set of jaws, providing a locking range of 1.18" - 10" (30 - 255 mm).

PART NO.	DESCRIPTION	PICTURE
MFF350-CR2	Long clamping kit (30 - 255 mm / 1.18 - 10")	

SHORT CLAMPING KIT (RECOMMENDED)

The short clamping kit is intended for use in workpieces with reduced mounting space and provides a locking range of 1.46" - 9.88" (37 - 251 mm).

PART NO.	DESCRIPTION	PICTURE
MFF350-ECR2	Short clamping kit (37 - 251 mm / 1.46 - 9.88")	

CONSUMABLES

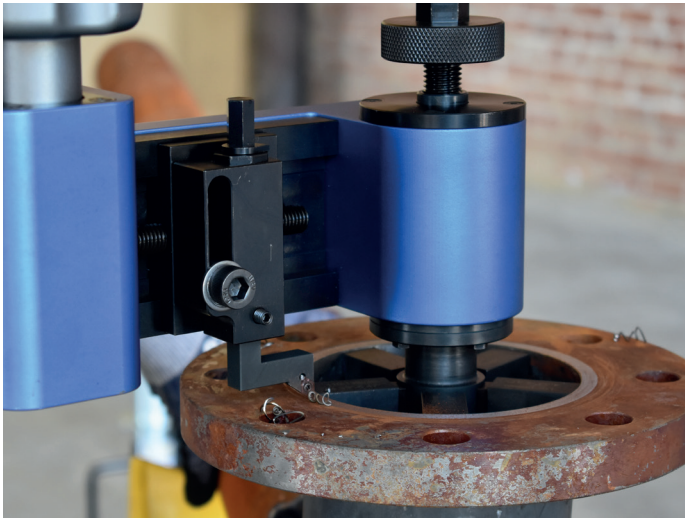
PART NO.	DESCRIPTION	PICTURE
CTI070204CS	Tool insert carbon steel (pack of 10)	
CTI070204SS	Tool insert stainless steel (pack of 10)	

SET UP & OPERATION

- Measure the flange ID and select the appropriate interchangeable clamping system (spring collets, long or short clamping kits).
- Clamp the machine internally using the flange facing alignment positioner to ensure accurate centering and maximum rigidity.
- Install and adjust the cutting tool using the hand crank and micro-adjustment handle.
- Perform the facing operation manually, maintaining a consistent feed to achieve the desired surface finish.

PERFORMANCE DATA

- Produces sealing surfaces suitable for flat face, raised face flange & spot facing
- Repeatable accuracy across full facing range

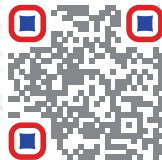


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MATERIAL LIFTS

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