



FDG1000 FLANGE FACER

Facing Range: 6 – 40" (153 – 1000mm)



The rigid and versatile FDG1000 delivers high-torque performance to quickly re-face flanges and repair sealing and bearing surfaces efficiently and cost-effectively

- Powered 360° tool post – for a wider range of machining operations
- Three speed continuous feed gearbox, for gramophone finish
- Quick set adjustable clamping jaws, minimising set up time

DTH Portable Machinery Tools Solutions



SPECIFICATION

US

Metric

Technical Details		
Facing Diameter:		
Min Facing Diameter	6 inches	153 mm
Max Facing Diameter	40 inches	1000 mm
ID Mounting Diameter		
Min I.D. Mount	5.7 inches	145 mm
Max I.D. Mount	32 inches	813 mm
Minimum Swing Diameter	32 inches	813 mm
Stroke:		
Tool Post Travel – (geared automatic)	4 inches	102 mm
R.P.M	Min:0	Max:33
Drive – Pneumatic @ 90 P.S.I (6 bar)	1.7 kW	2.2 Hp
Air Consumption / Supply Required	64 S.C.F.M	1.79 m ³ /min
Approximately Operational Weight	265 lbs	121 kg
Approximately Shipping Weight	340lbs	155 kg
Approximately Shipping Dimensions Length x Width x Height	38 x 25 x 20 inches	950 x 630 x 500mm

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Feed Rates					
Facing Feed Rates	(3 off In/Out)				
Direction	Gear	inches/rev	mm/rev	Grooves per inches	Grooves per mm
Out	1	0.005	0.139	183	720
	2	0.009	0.217	117	460
	3	0.021	0.528	48	190
In	1	0.006	0.165	154	610
	2	0.010	0.258	98	390
	3	0.025	0.628	40	160

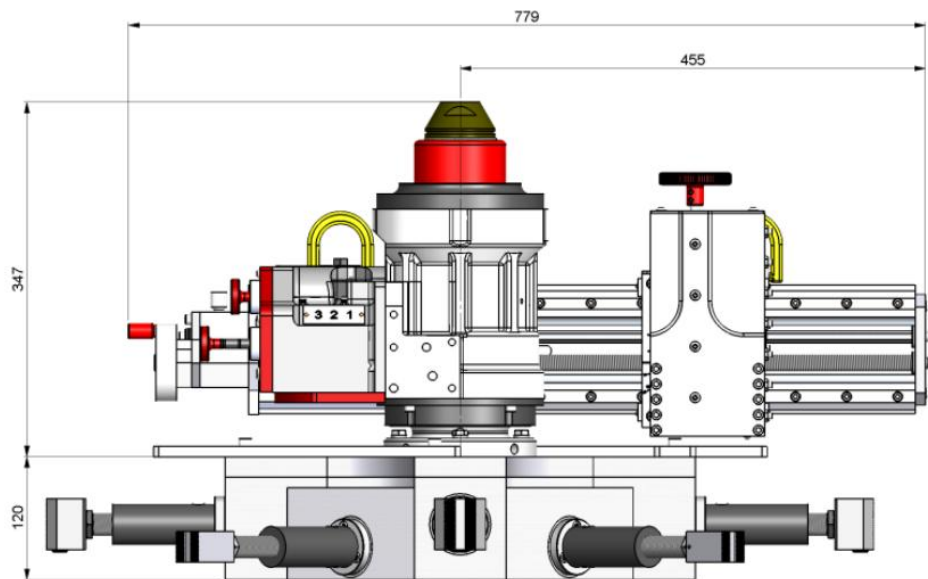
	inches/rev	mm/rev
Boring Feed Rates (3 off Up/Down)	0.002 – 0.004 – 0.008"	0.05 – 0.10 – 0.20 mm

Benefits:

- Exceedingly versatile
- Highly portable
- Latest linear technology
- High efficiency
- Low noise level 2.0hp drive
- Storage/shipping box
- CE certificate



OPERATIONAL DIMENSIONS



All dimensions are for reference and may be subject to change without notice. Machine performance is subject to application and operator capability; please discuss your requirements directly with a DTH sales representative. All information given and all sales made by DTH Machines are subject to their terms and conditions, which are available at www.dthmachines.net

FDG1000 Operation video:

<https://youtu.be/4ztmoUL4AsM>



TRAINING OPERATION

DTH has been teaching the fundamentals and fine points of portable machine tool operation for practically as long as we've been inventing and building the tools.

At the DTH Global Learning Center situated in our corporate headquarters near Shenzhen, Guangdong, we provide training for machine tool operators on portable machine tool safety, and machine setup and operation.

Trainees also receive technical tips and tools to improve operational efficiencies, with the vast majority of every program devoted to hands-on activities and skill development.

The DTH instructional team includes specialists in shipbuilding, power generation, civil engineering, bridge re-building, petrochemical and other industries.

Whether it's a regularly scheduled course at the Global Learning Center, or custom curriculum conducted at your facility, your machinists will benefit from courses developed by some of the most respected authorities in the business.

Call us today to register for a regularly scheduled class, or talk to us about how we can customize a training program for your specialized application.

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Quick and Easy Setup & Removal

- Separate mounting chuck.
- All centering and leveling is done on the chuck.

Lightweight

- Primary of machine weighs only 265 lbs (121 kg).
- Smallest mounting chuck weighs about 17 lbs (4.2 kg).

Safe and Quiet Operation

- Stationary feed rate selector.
- Machine is controlled without touching any moving parts.
- Exhaust air is routed through body of machine for increased muffling.

Simplified Operation

- Single selector switch for bidirectional radial feed or vertical downfeed.
- One wrench size for clamping jaws and body draw bolt.

Cuts Chamfers and Grooves

- Compound tool head and downfeed for cutting angles and grooves.

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FDG1000 Packing List

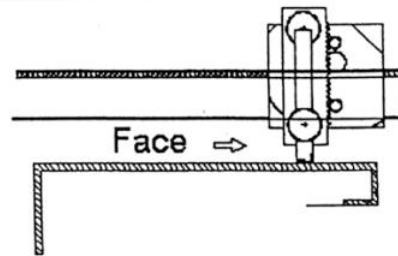
1	Primary machine	1 PCS
2	Counterweight	1 PCS
3	Counter strip	1 SET
4	Chuck Assembly	2 SETS
5	Support Arms	6 SETS
6	Vertical cutting sets	1 PCS
7	Turret	1 SET
8	Pneumatic motor	1 SET
9	Tool Kits	1 SET
10	Plastic hose	1 SET
11	Air filter valve	1 SET
12	Standard compound tool head	1 SET
13	Alignment assembly	1 SET
14	Packing case: wood crate	1 PCS

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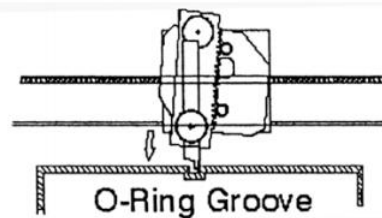


APPLICATIONS

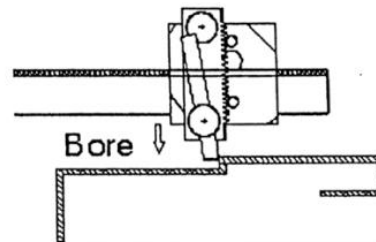
Face



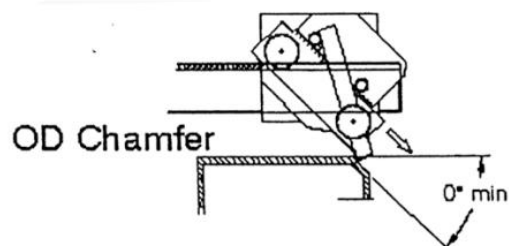
O-Ring/RTJ Groove



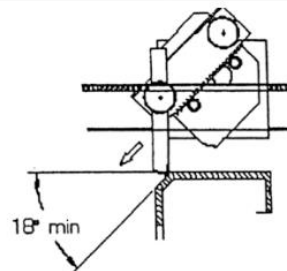
Counterbore



Chamfer



Chamfer of Counterbore



DTH Portable Machinery Tools Solutions

Oil, Gas and Chemical

Power Generation

Heavy Equipment

Ship building & repair

Typical applications:

- Piping system flanges
- Valve flanges and bonnet flanges
- Heat exchanger flanges
- Vessel flanges
- Flange faces on piping systems
- Pump housing flanges
- Weld preps
- Tube sheet bundles.
- Bearing mounting bases
- Final drive hubs
- Bull gear faces
- Manufacturing of mining equipment
- Slew rings
- Bearing mounting bases
- Crane pedestal flange.

DTH Portable Machinery Tools Solutions



Mining



Hydro Electric Power



Petrochemical



Wind Power



Offshore Oil Production



Construction Machinery



Nuclear Power



Steel Industry



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DTH – ON SITE FLANGE FACER TOOLS

FDG1000 PNEUMATIC FLANGE FACER TOOLS

