

NBFF – NARROW BODY FLANGE FACER*

*Patent pending

NBFF – the flange facing machine with a slim line gantry profile for mounting in tight spaces. An operator can mount NBFF tool on-site within demanding conditions such as flanges close to walls or pipe racks.

The unique design of NBFF allows the operator to mount the machine and perform a repair in locations that popular, standard equipment could not fit. The machine conforms to all the necessary standards and is extremely easy to use. Light and robust to quickly mount and repair damaged faces on flanges. NBFF can maximize production and uptime in all flange management jobs.

SUPER NARROW BODY

Thanks to unique, a true narrow design NBFF tool is fully usable within demanding conditions such as flanges close to walls or pipe racks.



MODEL	FACING RANGE	CLAMPING RANGE	MAX SWING DIAMETER	TOOL POST TRAVEL	FEED RATES	FREE SPEED	POWER		
NBFF-115	0 - 125 mm	89 - 170 mm	125 mm	62,5 mm	See table below	100 Rpm	1,3 Hp		
	0 - 4,92"	3,5 - 6,6"	4,92"	2,45"			0,97 kW		
AIR USE		WIDTH		HEIGHT		LENGTH		BODY WEIGHT	
55 cfm		1,3 m³/min		65/100 mm		2,55"/3,93"		460 mm 18,11" 260 mm 10,23" 25 kg 55,11 Lbs	

MODEL	FACING RANGE	CLAMPING RANGE	MAX SWING DIAMETER	TOOL POST TRAVEL	FEED RATES	FREE SPEED	POWER		
NBFF-160	0 - 185 mm	89 - 280 mm	185 mm	92,5 mm	See table below	115 Rpm	2,2 Hp		
	0 - 7,27"	3,5 - 11"	7,27"	3,6"			1,6 kW		
AIR USE		WIDTH		HEIGHT		LENGTH		BODY WEIGHT	
75 cfm		2,2 m³/min		70/100 mm		2,75"/3,93"		510 mm 20,07" 340 mm 13,38" 27 kg 59,52 Lbs	

MODEL	FACING RANGE	CLAMPING RANGE	MAX SWING DIAMETER	TOOL POST TRAVEL	FEED RATES	FREE SPEED	POWER		
NBFF-300	0 - 310 mm	108 - 356 mm	310 mm	155 mm	See table below	85 Rpm	2,2 Hp		
	0 - 12,2"	4,25 - 14"	12,2"	6,1"			1,6 kW		
AIR USE		WIDTH		HEIGHT		LENGTH		BODY WEIGHT	
75 cfm		2,2 m³/min		70/100 mm		2,75"/3,93"		510 mm 20,07" 470 mm 18,50" 32 kg 70,54 Lbs	

CHOICE OF THREE

All versions of NBFF deliver the same advantage over standard flange facers: despite working size all are narrow and fit perfectly in tight spaces.



FEED RATES

Feed rates pitch mm			
0,5	0,75	1*	1,25
Grooves per inch			
112	75	56	45

* standard feed screw supplied with machine

STANDARD LOCKING SYSTEM



The standard locking system consists of two jaws. One of them is a stabilizing jaw with two adjustable screws to fit the outer diameter of the flange. The second jaw has three clamping screws. Both jaws are equipped with pair top pads for levelling on the sealing surface of the flange. Pads at the bottom, are for tension the machine to the flange surface. Pads help to fix the machine in any position and protect it from falling out of the flange in case of a collision.



FLANGE2FLANGE LOCKING OPTION



Additional, special flange type locking system is made to suit the application more. NBFF machine is still mounted on the flange outside diameter, but the locking system is equipped with additional studs to be mounted in the flange holes to provide easy operation and perfect centring.

Top pads are for levelling on the sealing surface of the flange.

Pads at the bottom, are for tension the machine to the flange surface and protect it from falling out of the flange in case of a collision.

AVAILABLE PNEUMATIC MOTORS

All three options: NBFF 115, 160 and 300 comes with well suited drive. But for best specialists and demanding tasks we offer a bunch of alternative drives.

B50-100X



HM-xxx



K7x-LT-xxx



MOTOR	RIGHT-ANGLE	SPEED		TORQUE	AIR CONSUMPTION		AIR PRESSURE	
		RPM	HP		LT/MIN	CFM	BAR	PSI
B50-100X	-	200	1,3	70	1300	55	6,2	90
HM-198	-	198	2,2	186	2200	75	6,2	90
HM-252	-	252	2,2	150	2200	75	6,2	90
HM-379	-	379	2,2	105	2200	75	6,2	90
HM-498	-	498	2,2	83	2200	75	6,2	90
K72-LT-90	YES	90	2,2	405	2200	75	6,2	90
K73-LT-190	YES	190	2,2	200	2200	75	6,2	90

NBFF IN ACTION



NBFF-E

NBFF-E is electric version of NBFF. A standard machine covers the same flange sizes and comes with the same cutting head. The electric motor, made by Makita with 3 stage planetary gear box made by KRAIS has variable speed control and produce enormous torque. Is interchangeable with pneumatic drive and can be purchased separately at any time.

Free Speed ... 115 RPM
Power 750 W
Torque 360 Nm (266 Ft.Lbs)



BATTERY OPTION

The machine is also available with a portable electric drive 18 Volt 5.2 Ah 93.6 Wh Li-Ion battery. The machine can operate up to 15-20 minutes on one battery. Machining itself of one flange takes about 3-4 minutes of motor operation, so the operating time on one battery may suffice on 3-4 flanges.

It is possible to have many charged batteries. Comfortable and easy to use in any place where compressed air and electricity is not available or even impossible to use as for example oil refinery.

