

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.



	FACING RANGE [MM]		FACING RANGE [INCH]		CLAMPING RANGE [MM]		CLAMPING RANGE [INCH]		MAX. SWING DIAMETER		TOOL POST TRAVEL		FREE SPEED [RPM]	POWER	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	[MM]	[INCH]	[MM]	[INCH]		[KW]	[HP]
NBFF-115	0	125	0"	4,921	89	170	3,504	6,693	125	4,921	62,5	2,461	100	0,97	1,3
NBFF-160	0	185	0"	7,283	89	280	3,504	11,024	185	7,283	92,5	3,642	115	1,6	2,2
NBFF-300	0	310	0"	12,205	108	356	4,252	14,016	310	12,205	155	6,102	85	1,6	2,2
NBFF-600															

	AIR USE		DIMENSIONS		WEIGHT	
	[CFM]	[M ³ /MIN]	[MM]	[INCH]	[KG]	[LBS]
NBFF-115	55	1,3	65 (100) x 460 x 260	2,55" (3,93") x 18,11" x 10,23"	25	55,11
NBFF-160	75	2,2	70 (100) x 510 x 340	2,75" (3,93") x 20,07" x 13,38"	27	59,5
NBFF-300	75	2,2	70 (100) x 510 x 470	2,75" (3,93") x 20,07" x 18,50"	32	70,5
NBFF-600						

FEED RATES

Feed rates pitch mm			
0,5	0,75	1*	1,25
Grooves per inch			
104	69	52	41

* standard feed screw supplied with machine

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.



TOOLING CHART

HOLDER	INSERT	SCREW	TORX
NBFF-C17	C17	MHS-2,7	TX-8

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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.



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

REAL LIFE EXAMPLE



Example of really tight flange – NBFF is the only tool suitable here.

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)



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.

NBFF IN ACTION



BATTERY OPTION

The machine is also available with a portable electric drive 18 Volt 5.2 Ah 93.6 Wh Li-Lon 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.

