

# BEF 301 - Demo Guide

Concrete and screed milling machine for bigger operating areas. Milling both in advance and reverse gear, exact adjustment of milling depth and the two-stage drive mechanism ensure an economical and professional result.

### Special characteristics

- + Milling in the same and opposite direction
- + Infinitely variable, lockable adjustment of milling depth
- + Two-stage drive mechanism (four-wheel drive)
- + Triple bearing of drum
- + Dust proof and maintenance-free drum bearings
- + Drum housing made of cast aluminum
- + Transportation carriage (option)
- + Connection for suction unit
- + Drum with hardened bushes
- + Motor protection switch
- + Working hour meter
- + Integrated crane hook



### Technical data

Voltage/Frequency	Volt/Hz	3 x 200-400/50-60	Drum rotation	Upcut & downcut
Power option	Watt(HP)	7500 (10.5)	Drum	interchangeable
Working width	mm(inch)	300 (12")	No. of shafts	6
Work to the rim	mm(inch)	40 (1 1/2")	Weight	kg(LB) 300(660)
Working depth per pass	mm(inch)	5 (1/5")	Vac. Connection	mm(inch) 70(3")
Coverage per cutter set	sqm (sq/ft)	5000 (54000)	CE-Certificate	yes
Performance per hour	sqm (sq/ft)	50-100(540-1080)		
Drum speed	r.p.m.	640		
Forward speed	km/h(mph)	2,5/5,0 (1,6/3,1)		
Reverse speed	km/h(mph)	2,5/5,0 (1,6/3,1)		

### Applications

#### BEF 301

Roughening and grooving of concrete surfaces, milling off coatings, removing of road markings, cement residues and old floors.

### Machine complete with drum, without cutters

Machine	Volt/Hz	mm(inch)	kg(LB)	Watt(HP)	Plug	Ref.
BEF 301	3 x 220/60	300 (12")	300(660)	7500 (10.5)	4 pol. 32 A, US	795037
BEF 301	3 x 400/60	300 (12")	300(660)	7500 (10.5)	4 pol. 16 A	795040
BEF 301	3 x 400/50	300 (12")	300(660)	7500 (10.5)	4 pol. 16 A	795041
BEF 301	3 x 200/60	300 (12")	300(660)	7500 (10.5)	4 pol. 16 A	795043
BEF 301	3 x 200/50	300 (12")	300(660)	7500 (10.5)	4 pol. 16 A	795044
BEF 301	3 x 400/60	300 (12")	300(660)	7500 (10.5)	5 pol. 16 A	795046



working on concrete



Transport device



<b>Features &amp; Benefits</b>		
<u>Drum position in front of the wheels</u>	<ul style="list-style-type: none"> <li>= More uniform &amp; consistent finish</li> <li>= Working closer to the edge</li> <li>= Machine weight direct over the wheels reduces recoil and enhances stability</li> </ul>	<b>Economical</b>
<u>Upcut &amp; downcut drum rotation</u>	<ul style="list-style-type: none"> <li>= Increased productivity on tough floor coatings</li> <li>= Allows forward &amp; reverse work without machine turns</li> </ul>	<b>Economical</b>
<u>2-Speed drive motor for forward &amp; reverse</u>	<ul style="list-style-type: none"> <li>= Smooth machine run and higher productivity</li> <li>= Uniform finish</li> </ul>	<b>Economical Ergonomical</b>
<u>4 X 4 wheel drive</u>	<ul style="list-style-type: none"> <li>= Straight forward and reverse operation without side drifting</li> </ul>	<b>Economical Ergonomical</b>
<u>Mechanical clutch</u>	<ul style="list-style-type: none"> <li>= Machine can be pushed without power source</li> </ul>	<b>Ergonomical</b>
<u>Drum ex-change</u>	<ul style="list-style-type: none"> <li>= Easy access to replace drum and cutters</li> </ul>	<b>Ergonomical</b>
<u>Drum bearings</u>	<ul style="list-style-type: none"> <li>= Sealed with self lubrication</li> </ul>	<b>Reliability</b>
<u>Drum, shaft</u>	<ul style="list-style-type: none"> <li>= Reinforced cutter shaft guidance with hardened bushes to extend drum life time</li> </ul>	<b>Reliability</b>
<u>Motor protection</u>	<ul style="list-style-type: none"> <li>= Motor protection switch against overload</li> </ul>	<b>Reliability</b>
<u>Sealed motors</u>	<ul style="list-style-type: none"> <li>= Motors and drive mechanism protected from above and underneath</li> </ul>	<b>Reliability</b>
<u>Cast alumium housing</u>	<ul style="list-style-type: none"> <li>= No misalignment in the drum housing</li> <li>= Rust free</li> <li>= Lower machine vibration</li> </ul>	<b>Reliability</b>
<u>Emergency cut off</u>	<ul style="list-style-type: none"> <li>= Gives high operator and machine protection in emergency situations</li> </ul>	<b>Safety</b>
<u>Crane hook</u>	<ul style="list-style-type: none"> <li>= For easy and safe machine transportation</li> </ul>	<b>Safety</b>
<u>Dust control</u>	<ul style="list-style-type: none"> <li>= Dust control outlet for dust free work</li> </ul>	<b>Safety</b>

# Features & Benefits

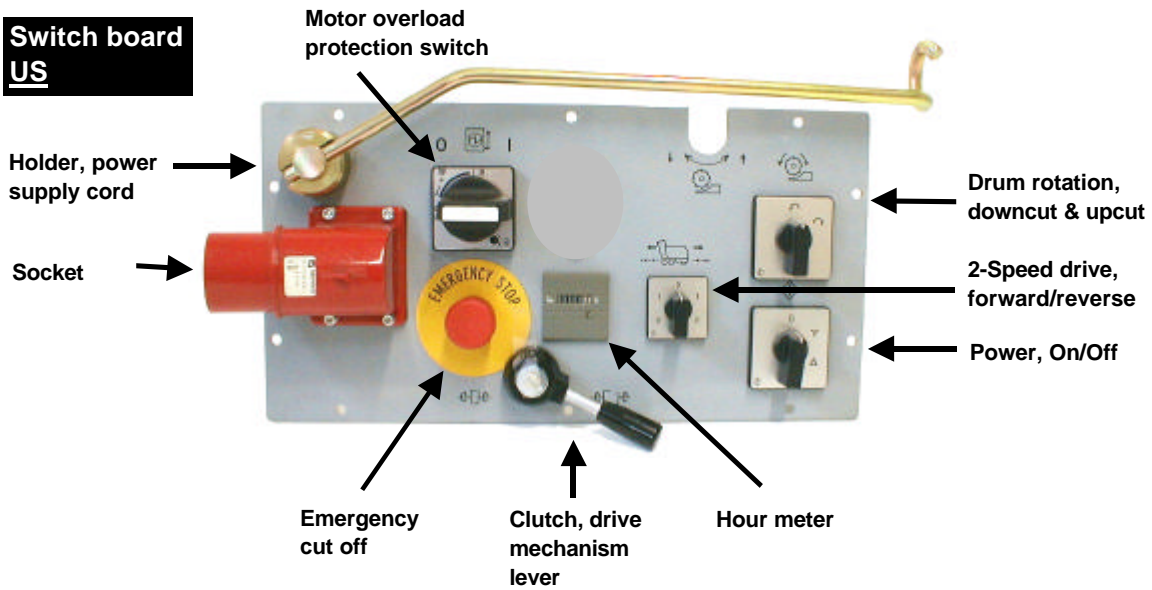
## Switch board EUROPE



← Spindle for precise depth control settings with locking device

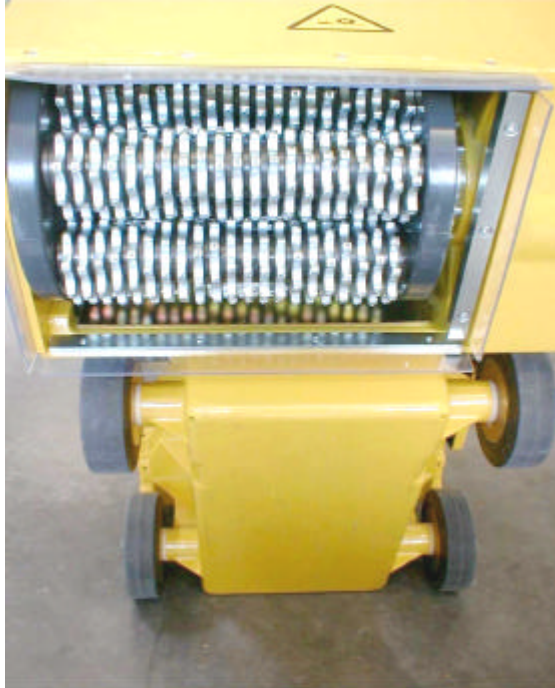
← Handle with anti-slip grip

## Switch board US



Crane hook for easier and safe machine transportation

## Features & Benefits



**Cast aluminum drum housing for precise drum bearing position**

**Hardened cutter shafts**

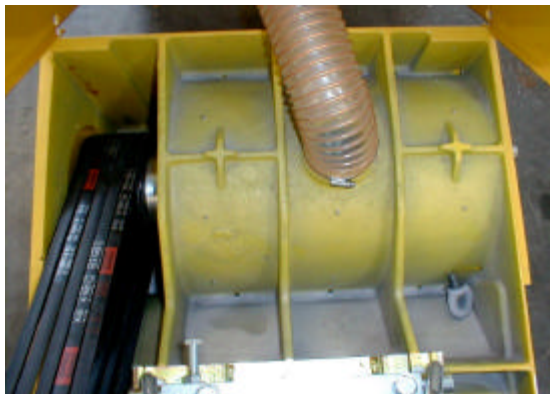
**Sealed drum bearing with self lubrication**

**Easy drum ex-change by locking the drive mechanism and tilting the machine backwards**

**Side drum access door for service**

**Sealed drive wheels bearing**

**Sealed and protected motors and drive against dust and external damage**



**Large vacuum hose connection over the drum for maximum dust control**

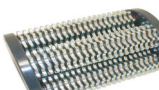

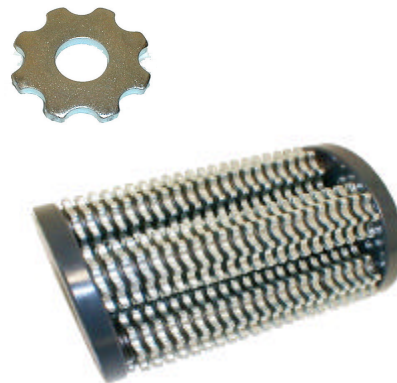
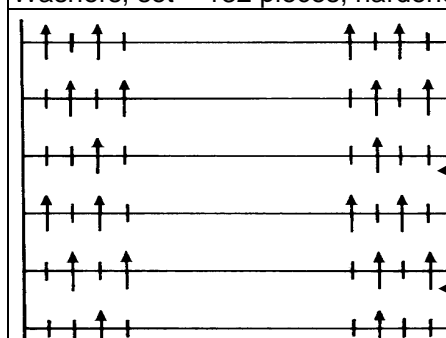
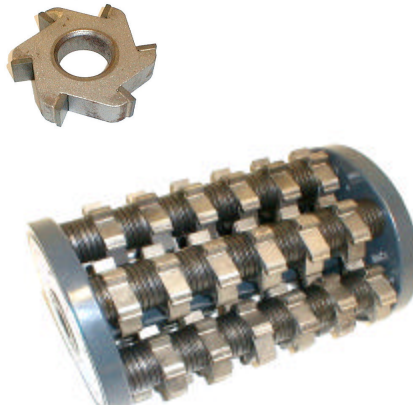
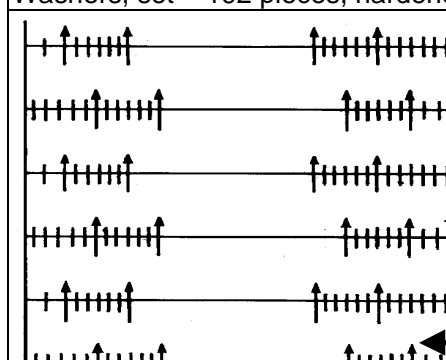

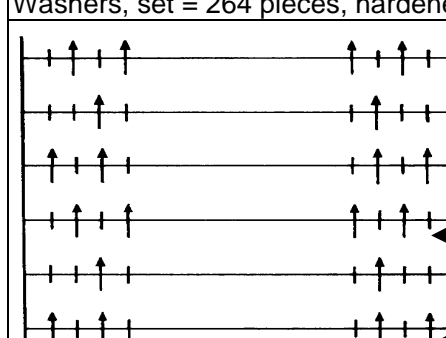
**Cast aluminum drum housing for lower machine vibration and precise drum and bearing position**

**Robust 5-fold belt drive for constant power transmission under heavy conditions**



**Sealed drive motor and 4 x 4 wheel transmission**



<b>Drum &amp; cutter replacement</b>		
<b>Drum complete with cutters</b>		<b>Ref.</b>
	Hard metal cutters, octagonal, 80 x 20 mm	704428
	Peeling cutters 80 x 20 mm	704429
	Star wheels 80 x 3 mm	704430
	Reinforced drum with 6 shafts without cutters	701690
	Shaft, set = 6 pieces	701685
	Bushes for drum, set = 12 pieces	701798
<b>Tungsten carbide tipped cutters, octagonal, 80 x 20 mm (3 x 3/4 inch)</b>		<b>Ref.</b>
	Hard metal cutters, set = 124 pieces	702660
	Washers, set = 132 pieces, hardened	702659
	 <p>Universal tool, roughening, scabbling and grooving on concrete, coat and colour removing and cleaning,</p> <p>← <b>Washer</b></p> <p>← <b>Cutter</b></p>	
<b>Peeling cutters 80 x 20 mm (3 x 3/4 inch)</b>		<b>Ref.</b>
	Peeling cutters, set = 36 pieces	702676
	Washers, set = 192 pieces, hardened	702659
	 <p>Removing elastic floors, synthetic coatings, water proof floor coverings, road markings, bituminous or rubber residues</p> <p>← <b>Washer</b></p> <p>← <b>Cutter</b></p>	
<b>Star wheels 80 x 3 mm (3 x 1/8 inch)</b>		<b>Ref.</b>
	Star wheels, set = 246 pieces	702679
	Washers, set = 264 pieces, hardened	702680
	 <p>Structurizing of concrete and asphalt, removing of oil, grease and ice sediments, bonding residues, road markings and rust residues,</p> <p>← <b>Washer</b></p> <p>← <b>Cutter</b></p>	