



THINK PARTS THINK TORNOS



SBF 212e/SBF 216/SBF 320e/  
SBF 532/SBF 326e

Integrated bar feeders for single spindle lathes

# A RADICAL NEW DESIGN!

Five bar feeders that fully complement the capacities of Tornos lathes!

## **Tornos introduces five bar feeders, 100 % designed and developed in harmony with the machines for which they are intended!**

- The customer is guaranteed that the bar feed system compliments the capacities of the lathes for which they were designed
- Adopt a dedicated bar feeder! This new complete machining solution is your performance guarantee for your Tornos lathe

## **Robobar SBF: your benefits!**

### **Maximised use...**

This joint upgrade, which takes account of all the interactions between machine and bar feeder, eliminates all integration and compromise problems associated with the "usual bar loaders".

### **Fail-safe operation...**

The bar feed's control functions are provided by the numerical control\* of the machine, which considerably simplifies the interface between machine and bar feeder, while eliminating any risks of incompatibility.

### **Significant time saving...**

The use of a "multiple capacity guide channel"\* and the choice of 4 interchangeable push rod sizes, operated by a simple latching mechanism, keep unnecessary handling to a minimum and reduce substantially the set-up and change-over time.

### **Ingenuity at your service...**

The reduced space between the sliding headstock and bar feeder assures trouble-free operation and without risk of bar deformation.

### **No costs, no equipment storage...**

The new Robobars do not require the use of numerous costly options. The guide channels and pushers correspond to the machine capacity and are supplied as standard.

### **Maximum production...**

With this latest technology, Tornos provides "unmatched customer convenience" coupled with best price to quality ratio in the industry.

\* SBF 216 and SBF 532 only

## **ROBOBAR SBF 212e / SBF 216 / SBF 320e / SBF 532 / SBF 326e**

- Reduced space requirement
- Optimum integration
- Guaranteed bar guidance
- Machine integrated control<sup>1</sup>
- 4 channels guide<sup>2</sup>
- Easy handling and programming
- Joint development between machine and barfeed
- Sole supplier responsibility for machine and bar feeder

<sup>1</sup> Bar feed mounted control panel on Robobar SBF 212e, Robobar SBF 320e and SBF 326e

<sup>2</sup> Only for Robobars SBF 216 and SBF 532



**TECHNICAL CHARACTERISTICS**

**SBF 212e**

Machine	EvoDECO 10
Min. barstock dia.	2 mm
System	Hydrodynamic/guide channels
Round, hexagonal and square bar change-over	Yes, no, no
Bar length	3 m, 4 m
Loading side	Right/Left
Bar remnant extraction	From rear or from front
Loading capacity	20 bars
Change over time	8 min
Adjustable guide steady	Yes, manual
Complies with CE/CEM standards	Yes

# SBF 216



TECHNICAL CHARACTERISTICS	SBF 216
Machines	EvoDECO 10 / EvoDECO 16
Min. barstock dia.	2 mm
Max. barstock dia without preparation	14 mm
with preparation	16 mm
All capacities with a single bar guide	2 - 4 (5) mm
	4 - 5,5 (7) mm
	5,5 - 8 (10) mm
	8 - 14 (16) mm
System	Oil bath
Round, hexagonal and square bar change-over	Yes
Bar length	3 m, 4 m
Bar eemnant extraction	From rear
Bar capacity of the inclined magazine	18 bars with Ø 16 mm
	150 bars with Ø 2 mm
Max. speed of bar rotation	16'000 rpm
Electrical power requirement	1,5 kW
Lubrication tank capacity	50 liters
Adjustable guide steady	Yes
Integrated extension	Yes
Complies with CE/CEM standards	Yes
Weight	720/900 kg
Pneumatic pressure requirement	6 bars



**TECHNICAL CHARACTERISTICS**

**SBF 320e**

Machine	EvoDECO 16
Min. barstock dia.	3 mm
System	Hydrodynamic/guide channels
Round, hexagonal and square bar change-over	Yes, no, no
Bar length	3 m
Loading side	Right/Left
Bar remnant extraction	From rear
Loading capacity	20 bars
Change over time	10 min
Adjustable guide steady	Yes, manual
Complies with CE/CEM standards	Yes

# SBF 532



## TECHNICAL CHARACTERISTICS

## SBF 532

Machines	EvoDECO 20 / EvoDECO 32 Sigma 32
Min. barstock dia.	5 mm
Max. barstock dia without preparation	32 mm
All capacities with a single bar guide	5-8 (10) mm 8-13 (16) mm 13-17,5 (20) mm 13-22,5 (26) mm 22,5-29 mm 22,5-32 mm
System	Oil bath
Round, hexagonal and square bar change-over	Yes
Bar length	3 m, 4 m
Bar remnant extraction	From rear
Bar capacity of the inclined magazine	8 bars with Ø 32 mm 55 bars with Ø 5 mm
Max. speed of bar rotation	10'000 rpm
Electrical power requirement	1,5 kW
Lubrication tank capacity	70 liters
Adjustable guide steady	Yes
Integrated extension	Yes
Complies with CE/CEM standards	Yes
Weight	720/900 kg
Pneumatic pressure requirement	6 bars



TECHNICAL CHARACTERISTICS	SBF 326e	
Machine	Swiss ST 26 / Swiss GT 26 / CT 20	
Min. barstock dia.	3 mm	
Max. barstock dia without preparation	22 mm	
with preparation	25.4 mm (1")	
System	Hydrodynamic/guide channels	
Round, hexagonal and square bar change-over	Yes, yes, no	
Bar length	3 m, 4 m	
Possible loading side	Right/Left	
Bar remnant extraction	From rear	
Loading capacity	260 mm - bars Ø 10 mm	
Change over time	10 min	
Adjustable guide steady	Yes, manual	
Complies with CE/CEM standards	Yes	
Anti-vibration guide behind the spindle	Yes	
Weight	3 m	520 kg
	4 m	680 kg

**TORNOS S.A.**

Rue Industrielle 111  
CH - 2740 Moutier  
Tel. +41 (0)32 494 44 44  
Fax +41 (0)32 494 49 03  
contact@tornos.com  
www.tornos.com

**TORNOS TECHNOLOGIES**

**DEUTSCHLAND GmbH**

Karlsruher Str. 38  
D - 75179 Pforzheim  
Tel. +49 (0)7231 / 910 70  
Fax +49 (0)7231 / 910 750  
contact@tornos.de

**TORNOS TECHNOLOGIES**

**FRANCE**

Boîte postale 330  
St-Pierre en Faucigny  
F - 74807 La Roche  
s / Foron Cedex  
Tel. +33 (0)4 50 038 333  
Fax +33 (0)4 50 038 907  
france.contact@tornos.com

**TORNOS TECHNOLOGIES**

**IBÉRICA**

Pol. Ind. El Congost  
Avda. St Julià, 206 Nave 8  
E - 08403 Granollers  
Tel. +34 93 846 59 43  
Fax +34 93 849 66 00  
comercial.tti@tornos.com

**TORNOS TECHNOLOGIES**

**ITALIA SRL**

Via Cesare Pavese 21  
I - 20090 Opera / MI  
Tel. +39 02 57 68 15 01  
Fax +39 02 57 68 15 230  
italia.contact@tornos.com

**TORNOS TECHNOLOGIES  
US CORPORATION**

840 Parkview Boulevard  
US - Lombard, IL 60148  
Tel. +1 630 812 2040  
Fax +1 630 812 2039  
info-us@tornos.com  
www.tornos.us

**TORNOS TECHNOLOGIES**

**UK LTD**

Tornos House  
Whitwick Business Park  
Coalville  
UK - Leicestershire LE67 4JQ  
Tel. +44 (0) 1530 513100  
Fax +44 (0) 1530 814212  
sales@tornos.co.uk

**TORNOS TECHNOLOGIES**

**POLAND Sp. z o.o.**

Ul. Spółdzielcza 37-39  
55-080 Kąty Wrocławskie  
Poland  
Tel. +48 71 33 85 618  
Fax +48 71 33 85 617  
poland.contact@tornos.com

**TORNOS TECHNOLOGIES**

**(Shanghai) LTD**

Hui Feng Creativity Garden  
Feng Yu Building, 1-2F  
No. 239, Xitai Rd, Xu Hui District  
CN - Shanghai 200232  
Tel. +86 21 6235 1235  
Fax +86 21 6235 1938  
china.contact@tornos.com

**TORNOS DONGGUAN OFFICE**

SE1-29, Changrong International  
Machinery Hardware Square, No.56  
Middle ZhenAn Road, Wusha,  
ChangAn Town, Dongguan City,  
Guandong Province, 523859  
Tel. +86-769-8533 7266  
Fax +86-769-8533 7265  
china.contact@tornos.com

**TORNOS BEIJING OFFICE**

Rm.1706, Tower A  
Dongyu Office Building  
Jia #1 Shuguang Xili  
Chaoyang District  
CN - Beijing 100028  
Tel. +86 10 5979 8583  
Fax +86 10 5822 0483  
beijing.contact@tornos.com

**TORNOS S.A. THAILAND**

**REPRESENTATIVE OFFICE**

7th Floor, 19, Bangna -Trad Soi 34,  
Bangna -Trad KM. 3 Road.  
Bangna, Bangkok, 10260  
Thailand  
Tel. +66 2746 8840-1  
Fax +66 2746 8842  
thailand.contact@tornos.com

**TORNOS TECHNOLOGIES ASIA LTD**

**MALAYSIA**

**REPRESENTATIVE OFFICE**

No. 1-1-11, Ground Floor & 1-2-11,  
First Floor, One Terrace Plus,  
Tingkat Mahsuri 4, 11900 Bayan Lepas,  
PENANG, MALAYSIA  
Tel. +60 4 642 6562 / 4 642 6563  
Fax +60 4 642 6561  
malaysia.contact@tornos.com

**Conforms to the European CE/CEM Safety Standards**

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