



THINK PARTS THINK TORNOS



SBF 210/SBF 216/SBF 320/SBF 532

Integrated bar feeders for single spindle lathes

SBF 210



TECHNICAL CHARACTERISTICS	SBF 210	TRYTEX 107
Machine	Micro 8	Micro 7 / Micro 8
Min. barstock dia.	2 mm	1 mm
Max. barstock dia without preparation	8 mm	7 mm
with preparation	10 mm	–
All capacities with two bar guide	2-6 (7) mm	1-4 mm
	4-8 (10) mm	5-7 mm
System	Oil bath	Oil bath
Round, hexagonal and square bar change-over	Yes, no, no	Yes, no, no
Bar length	2,5 m, 3 m, 12' (3,65 m), 4 m	2 m, 3 m
Bar Remnant extraction	From rear or from front	From rear
Bar capacity of the inclined magazine	20 bars with Ø 2 - 10 mm (screw)	44 bars with Ø 1 - 7 mm (barrel)
Max. speed of bar rotation	15'000 rpm	18'000 rpm
Electrical power requirement	1,5 kW	0,5 kW
Lubrication tank capacity	40 liters	22 liters
Adjustable guide steady	Yes, manual	Yes, automatic
Integrated extension	No	No
Complies with CE/CEM standards	Yes	Yes
Weight	378 / 410 / 435 / 460 kg	300 / 350 kg
Pneumatic pressure requirement	6 bars	without air

TECHNICAL CHARACTERISTICS
Machines
Min. barstock dia.
Max. barstock dia without preparation
with preparation
All capacities with a single bar guide
System
Round, hexagonal and square bar change-over
Bar length
Bar Remnant extraction
Bar capacity of the inclined magazine
Max. speed of bar rotation
Electrical power requirement
Lubrication tank capacity
Adjustable guide steady
Integrated extension
Complies with CE/CEM standards
Weight
Pneumatic pressure requirement

SBF 216



SBF 320



SBF 216

DECO 7/10a / DECO 7/10e

DECO 13a / DECO 13e /

2 mm

14 mm

16 mm

2 - 4 (5) mm

4 - 5,5 (7) mm

5,5 - 8 (10) mm

8 - 14 (16) mm

Oil bath

Yes

3 m, 4 m

From rear

18 bars with Ø 16 mm

150 bars with Ø 2 mm

16'000 rpm

1,5 kW

50 liters

Yes

Yes

Yes

720 / 900 Kg

6 bars

SBF 216 EVO

EvoDECO 10 a/e

EvoDECO 16 a/e

2 mm

16 mm

16 mm

2 - 4 (5) mm

5 - 10 mm

11 - 14 (16) mm

15 - 16 mm

Oil bath

Yes

3 m, 4 m

From rear

18 bars with Ø 16 mm

150 bars with Ø 2 mm

16'000 rpm

1,5 kW

50 liters

Yes

Yes

Yes

720 / 900 Kg

6 bars

TECHNICAL CHARACTERISTICS

Machine

Min. barstock dia.

Max. barstock dia without preparation

All capacities with two bar guide *

System

Round, hexagonal and square bar change-over

Bar length

Bar Remnant extraction

Bar capacity of the inclined magazine

Max. speed of bar rotation

Electrical power requirement

Lubrication tank capacity

Adjustable guide steady

Integrated extension

Complies with CE/CEM standards

Weight

Pneumatic pressure requirement

* Delta 12 only one guide

SBF 532



SBF 320

Delta 12 / Delta 20 / Gamma 20
3 mm
20 mm
3 - 12 mm / 13 - 20 mm
Oil bath
Yes, no, no
3 m
From rear
17 bars with Ø 16 mm
12'000 rpm
1,5 kW
40 liters
Yes
Yes
Yes
360 kg
6 bars

TECHNICAL CHARACTERISTICS

	SBF 532
Machines	DECO 20a / DECO 20e DECO 26a / DECO 26e Sigma 20 / 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

A RADICAL NEW DESIGN !

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

Tornos introduces 5 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 210 / SBF 216 / SBF 216 EVO / SBF 320 / SBF 532

- Reduced space requirement
- Optimum integration
- Guaranteed bar guidance
- Machine integrated control¹
- 4 channels guide²
- Easy handling and programming
- Joint development between machine and barfeed
- Sole supplier responsibility for machine and bar feeder

¹ Bar feed mounted control panel on Robobar SBF 210, Robobar SBF 320 and Trytex 107

² One (1) channel guide on Robobar SBF 210, Robobar SBF 320 and Trytex 107

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
contact@tornos.fr

TORNOS TECHNOLOGIES

IBERICA

Pol. Ind. El Congost
Avda. St Julia, 206 Nave 8
E - 08403 Granollers
Tel. +34 93 846 59 43
Fax +34 93 849 66 00
commercial.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. Brukselska 44 lok. 21A
PL - 03-973 Warszawa
Poland
Tel. +48 226 72 91 81
Fax +48 226 16 55 81
poland.contact@tornos.com

TORNOS DO BRASIL, Ltda

Av. Dr. Cardoso de Melo,
1470 Conj. 604
BR - 04548-004 Vila Olímpia
São Paulo - Brasil
Tel. +55 11 3045 6695
brazil.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 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 TECHNOLOGIES

ASIA LTD

Unit 4, Ground Floor, Transport City
Building
1-7 Shing Wan Road
Tai Wai, Shatin
N.T., Hong Kong
Tel. +852 2691 2633
Fax +852 2691 2133
asiapacific.contact@tornos.com

TORNOS S.A. THAILAND

REPRESENTATIVE OFFICE

Flat 1B, The U.N. Residence
27/28 Sukhumvit Soi 33
Bangkok 10110
Thailand
Tel. +66 2 662 3908
Fax +66 2 662 3910
thailand.contact@tornos.com

TORNOS TECHNOLOGIES ASIA LTD

MALAYSIA

REPRESENTATIVE OFFICE

K-7-1, Lorong Bayan Indah Dua,
Bay Avenue, 11900 Pulau Pinang,
Penang, Malaysia
Tel. +6 04 642 6562 / 642 6563
Fax +6 04 642 6561
malaysia.contact@tornos.com

Conforms to the European CE/CEM Safety Standards

This document is based on information available at the time of publication. While every effort has been made to be accurate, the information contained herein does not purport to cover all details or variations in hardware and software, nor to provide for every possible contingency in connection with installation, operation and maintenance. TORNOS S.A. assumes no obligation of notice to holders of this document with respect to changes subsequently made. TORNOS S.A. makes no representation or warranty, expressed, implied, or statutory with respect to, and assumes no responsibility for the accuracy, completeness, sufficiency or usefulness of the information contained herein. No warranties of merchantability nor fitness for purpose shall apply.