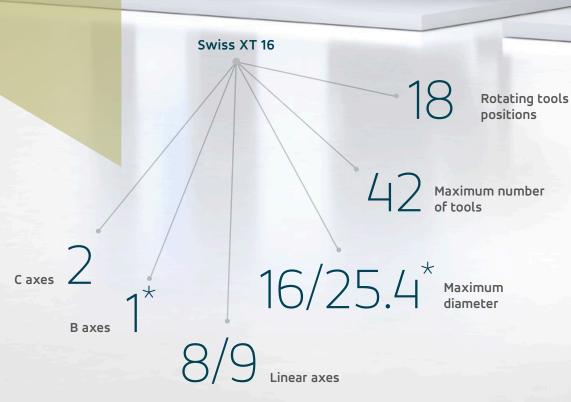


Precision meets possibility Swiss XT range

Swiss XT

Introducing the Swiss XT range: the ultimate fusion of compact design, versatility, and high-performance machining. With dimensions of just 3056 x 1440 x 2242 mm, this ergonomic powerhouse offers three independent tool systems and customizable axis options to meet all your precision needs. Experience an accessible machining area and the market's best price-performance ratio.



TORNOS

TORNOS

Swiss XT: Engineering excellence



Precision meets possibility

2,242 mm



Spindle excellence: power & profit

Elevate your production with our robust and powerful main and counter spindles, equipped with ceramic bearings for extended life. Maximize material throughput for more parts and increased profitability. They're not just spindles; they're the backbone of your success.

> The Swiss XT series takes versatility to new heights by offering two distinct models—each with customizable axis configurations:

Swiss XT 16: For precision and speed

- Bar capacity: Optimized for bars up to 16 mm in diameter.
- Spindle speed: Achieve an incredible maximum rotation speed of 12,000 rpm.
- Extended capability: Optionally accommodates bars up to 25.4 mm, with a reduced spindle speed of 10,000 rpm for this configuration.

Swiss XT 32: For robustness and flexibility

• Bar capacity: Built to handle bars up to 32 mm in diameter.

3,056 mm

EOULOT

• Guide bush-free operation: Remarkably works on bars of 38 mm without the need for a guide bush, offering greater material flexibility.

15-minute guide-bush conversion



Plug-and-play B-axis: zero backlash

Whether it's straight from the factory or after delivery, seamlessly add up to 4 extra tools in main operations. Experience the precision of a backlash-free design.

T,440 MIT

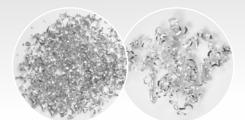
Counter-operations: efficiency & complexity simplified

With 14 dedicated tools for counteroperations, tackle even the most complex parts effortlessly. Not only can you achieve intricate designs, but you'll also slash part cycle-times. It's complexity made simple.



Improve and ensure selfsufficiency with Tornos' Active Chip Breaker Plus (ACB Plus) software

Improve and secure the autonomy of your process (option).



Chips with ACB Plus Chips without ACB Plus

Configurable axis options for both models

- 8-axis configuration: Ideal for standard operations requiring high precision.
- 9-axis configuration: Includes a Z2 axis on the second gang, perfect for specialized tasks like deep drilling and balanced turning.

Swiss XT

Welcome to the Swiss XT's cutting-edge machining area, where precision meets versatility. With options for 8 or 9 linear axes, up to 40 tools, and three independent tool systems, this is the command center for your most demanding projects. From intricate 5-axis tasks to high-throughput operations, this workspace is engineered to adapt to your every need. It's not just a machining area—it's the nucleus of unparalleled productivity.

Masterpieces of Swiss XT precision

0

* Option



X1 ←

6

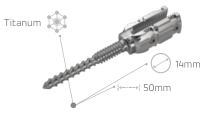
٢

0

Medical & dental

TI

S11

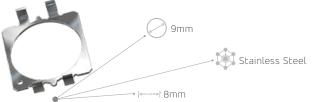


Medical & dental

S12







Electronic

Discover unparalleled flexibility and performance with Swiss XT's comprehensive features

Your benefits :

Maximize your profitability with unmatched speed and power

Outpace your competitors with the Swiss XT's high-powered spindles. Designed for versatility, these spindles offer:

- Equipped with ceramic bearings: For long-lasting durability and minimal friction.
- Uniform power output: Both spindles deliver an impressive 10.5 kW of power.
- Rapid acceleration: Achieve speeds of up to 10,000 rpm in just 0.3 seconds.
- High torque: Experience an extraordinary 26 Nm (19.177 ft./lb.) of torque.
- Liquid-cooled: Ensuring consistent performance and an extended lifespan

Quick guide bush conversion for ultimate flexibility

Transition seamlessly between guide bush and non-guide bush operations in as little as 15 minutes, all without disconnecting any cables. With Tornos TMI automating the process, it's as simple as unscrewing the guide bush and placing it in its parking spot. Your Swiss XT is then ready for the next operation. Plus, the Swiss XT 32 model effortlessly handles bars of up to 38 mm in diameter when operating in non-guide bush mode.

Simplified programming with TISIS

Eliminate the complexities of programming a 3-independent-tool-system machine. Our TISIS software makes it easy, ensuring smooth operations and efficient task management.

Optional plug-and-play B-axis for unmatched versatility

Upgrade at any time with our optional B-axis, expanding your machining possibilities and elevating your productivity.

Streamlined efficiency with double gang tool configuration

Optimize task division and maximize productivity with our "double gang tool" setup, reducing cycle times and enhancing efficiency.

Affordable ACB Plus for superior chip management (Option)

Secure and improve your process autonomy with our optional ACB Plus software. Utilizing Active Chip Breaker technology, this feature ensures best-in-class chip management.

Interchangeable tooling for cost-effective transitions

Experience seamless integration and cost savings with tooling compatibility across the Swiss DT and Swiss GT series.

Precision meets sustainability

The Swiss XT is more than just a precision machining marvel; it's an eco-conscious choice. Featuring Tornos' Eco Mode and a suite of sustainability options, it reduces energy consumption by up to 75%. Our preheating option ensures faster production and greater energy savings, while Eco Mode automatically conserves power during standby, reducing your carbon footprint without compromising performance. Choose the Swiss XT for precision and a commitment to a greener future.

Multi-tool operations for maximized productivity

Efficiently manage multi-tool tasks with two spindles, four tool posts, and the additional Z2 axis.

Extended workpiece length with long Z1-axis mode

Maximize your workpiece length, achieve deep drilling, and utilize multiple tools simultaneously for optimized productivity.

Advanced motor configurations for rotating tools

Standard setup: Comes with four motors for rotating tools—two for main operations and two for counter operations.

Optional add-ons: Enhance torque with optional additional motors, ideal for "massive" usage of rotating tools, or accommodate the B-Axis (B2) for even more versatility.



Specifications

Swiss XT 16/8 8 linear axes + 2 C axes

Main spindle		3 independent tool systems
Max bar diameter	mm	16 (option 25.4)
Standard workpiece length with guide bush / bushless	mm	250 (330 option) / 50
Spindle rotation speed	rpm	12,000 (10,000 with option 25.4 mm)
Spindle power (S1 / S6)	kW	8.0 / 10.5
Max spindle torque	Nm	26
Main-operation		22
Number of tool positions Turning tool sections	~~~	23 12 x 12 / 16 x 16
Max number of tools		28
Number of turning tools		8
Number of frontal tools (main-operation / counter-operation)		5/5
Max front drilling diameter	mm	
Max front tapping diameter	mm	
Positions for rotating tools S11 and S21		4+4
Positions for rotating tools S12 (option) and S22/B2 (option)		4+4
Max rotating tool speed	rpm	8,000
Rotating tool power S11 and S21	kW	1.0 / 3.1
Rotating tool power S12 (option) and S22 (option)	kW	1.0 / 3.1
Max drilling diameter rotating tools		Ø10
Max tapping diameter rotating tools		M10 × 1.5
Stroke Z2 axis	mm	
Plug and play B-axis (B2) Positions for rotating tools (main operation)		2//: (action)
High-frequency spindle		3/4 (option)
Rotating tool speed of rotation		1 (option) 8,000
Rotating tool power	rpm kW	1.0 / 1.33
Max drilling diameter	 	05.2
Max tapping diameter	mm	
		MIC 41.5
Counter spindle		
Max bar diameter	mm	16 mm (Option 25.4 mm)
Max insertion length of workpiece into counter spindle	mm	90
Standard workpiece length	mm	120
Max spindle speed	rpm	12,000 (10,000 with option 25.4 mm)
Spindle power (S1 / S6)	kW	8.0 / 10.5
Max spindle torque Max drilling diameter	Nm	26
	mm	
Max tapping diameter	mm	1/10 × 1.25
Counter-operation		
Max number of tool positions		14
Positions for rotating tools		8
Max drilling diameter rotating tools	mm	Ø6
Max tapping diameter for rotating tools	mm	M5 x P0.8
Max rotating tool speed	rpm	6,000
Rotating tool power (S41 and S51)	kW	1.0 / 3.1
Total number of tools		42
Max. rapid feed rate	m/min	30
Numerical control		Fanuc 31i-MB+
General specifications		
Max length x width x height		3,056 x 1,440 x 2,242
Maight	mm	5,050 × 1,40 × 2,242
Weight	mm kg	3,880
Cutting oil tank capacity Installed power		

3 independent tool systems 3 independent tool systems 3 independent tool systems 32 (36 without guidebush) 10 (option 254) 32 (38 without guidebush) 250 (330 option) / 50 250 (330 option) / 50 250 (300 option) / 50 80 / 105 80 / 105 80 / 105 80 / 105 80 / 105 80 / 105 26 26 26 27 23 23 28 28 28 28 28 28 28 28 28 28 28 28 28 28 28 28 28 28 28 28 28 28 28 28 28 28 28 29 10 10 10 29 10 10 10 29 10 10 10 29 10 10 10 10 29 10 10 10 10	Swiss XT 32/9	Swiss XT 16/9	Swiss XT 32/8
32 (38 without guidebuch) 16 (option 254) 32 (38 without guidebuch) 250 (330 option) / 50 250 (330 option) / 50 250 (330 option) / 50 8000 8,000 12,000 (10,000 with option 254 mm) 8,000		9 linear axes + 2 C axes	
256 (330 option) / 50 250 (330 option) / 50 250 (330 option) / 50 B00 12,000 (10,000 with option 254 mm) 800 / 10.5 B0 / 10.5 B0 / 10.5 B0 / 10.5 26 26 26 23 23 23 16 6 × 16 12 × 12 / 16 × 16 15 × 16 28 28 28 28 28 28 29 28 28 20 28 28 28 28 28 5 / 5 5 / 5 5 / 5 600 010 010 010 010 010 010 010 010 100 / 31 10 / 31 10 / 31 100 / 31 10 / 31 10 / 31 010 010 010 010 010 010 010 10 / 13 10 / 13 010 10 / 13 10 / 13 010 10 / 13 10 / 13 010 100 100			
8,000 12,000 (10,000 with option 25 /r mm) 8,00 / 10.5 26 26 26 23 23 23 16 × 16 12 × 12 / 16 × 16 16 × 16 23 23 23 24 28 28 28 28 28 29 28 28 20 28 28 20 28 28 28 28 28 29 28 28 30 8 8 8 31 10 / 31 90 90 10 910 910 910 31 10 / 31 10 / 31 10 / 31 10 / 31 10 / 31 10 / 31 10 / 31 10 / 31 10 / 31 10 / 31 10 / 31 10 / 31 10 / 31 10 / 31 10 / 31 10 / 31 10 / 31 10 / 31 10 / 31 10 / 31 10 / 31 10 / 31 10 / 31			
B0 / 105 B0 / 105 B0 / 105 26 26 26 26 23 23 23 23 16 x 16 12 x 12 / 16 x 16 16 x 16 28 28 28 28 28 28 28 3 6 x 15 5 / 5 5 / 5 5 / 5 5 / 5 010 00 010 010 010 M10 x 15 M10 x 15 M10 x 15 M10 x 15 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 6 8000 8000 8000 8000 10 / 31 10 / 31 10 / 31 10 / 31 10 / 31 10 / 31 10 / 31 10 / 31 034 (option) 3/4 (option) 3/4 (option) 10 / 133 04 (option) 14 (option) 10 / 133 10 / 133 04 (option) 3/4 (option) 8/4 (option) 8/4 (option)			
26 26 26 26 23 23 23 23 15 x 16 12 x 12 / 16 x 16 16 x 16 28 28 28 3 6 8 6 5 / 5 5 / 5 610 000 000 M10 x 15 M10 x 15 M10 x 15 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 6,000 8,000 8,000 10 / 31 10 / 31 10 / 31 110 / 31 10 / 31 10 / 31 10 0 000 000 00 000 000 00 000 000 10 / 31 10 / 31 10 / 31 10 / 31 10 / 31 10 / 31 00 000 8,000 10 / 31 10 / 31 10 / 31 00 8,000 8,000 10 / 133 10 / 133 10 / 133 00 00 00		12,000 (10,000 with option 25.4 mm)	
23 23 23 1% x 16 12 x 12 / 16 x 16 16 x 16 28 28 28 8 8 28 910 8/10 6/10 010 8/10 6/10 010 8/10 6/10 010 8/10 6/10 010 8/10 6/10 010 8/10 6/10 010 8/10 6/10 010 8/10 6/10 10/31 10/31 10/31 10/31 10/31 10/31 10/31 10/31 10/31 010 8/10 6/10 110/31 10/133 10/133 010 8/10 8/10 110/133 10/133 10/133 052 052 052 052 052 052 052 052 052 052 052 052 052 052 052	8.0 / 10.5	8.0 / 10.5	8.0 / 10.5
16 × 16 12 × 12 / 15 × 16 16 × 16 28 28 28 28 28 8 3 5 / 5 5 / 5 5 / 5 00 000 000 M10 × 15 M10 × 15 M10 × 15 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 0.00 8.000 8.000 10 / 31 10 / 31 10 / 31 10 / 31 10 / 31 10 / 31 10 / 31 10 / 31 10 / 31 10 / 31 10 / 31 10 / 31 10 / 13 10 / 13 10 / 133 10 / 133 11 / 10 / 100 1 (option) 3/4 (option) 3/4 (option) 3/4 (option) 3/4 (option) 3/4 (option) 3/4 (option) 10 / 133 10 / 133 10 / 133 10 / 133 10 / 133 10 / 133 10 / 133 10 / 133 10 / 130 10 /	26	26	26
16 × 16 12 × 12 / 15 × 16 16 × 16 28 28 28 28 28 8 3 5 / 5 5 / 5 5 / 5 00 000 000 M10 × 15 M10 × 15 M10 × 15 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 0.00 8.000 8.000 10 / 31 10 / 31 10 / 31 10 / 31 10 / 31 10 / 31 10 / 31 10 / 31 10 / 31 10 / 31 10 / 31 10 / 31 10 / 13 10 / 13 10 / 133 10 / 133 11 / 10 / 100 1 (option) 3/4 (option) 3/4 (option) 3/4 (option) 3/4 (option) 3/4 (option) 3/4 (option) 10 / 133 10 / 133 10 / 133 10 / 133 10 / 133 10 / 133 10 / 133 10 / 133 10 / 130 10 /			
28 28 28 8 8 8 010 010 010 M10 × 15 M10 × 15 M10 × 15 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 10 / 31 10 / 31 10 / 31 10 / 31 10 / 31 10 / 31 10 / 31 10 / 31 10 / 31 10 / 133 10 / 133 10 / 133 10 / 133 10 / 133 10 / 133 10 / 133 10 / 133 10 / 133 10 / 133 10 / 133 10 / 133			
B B B 5 / 5 5 / 5 010 010 011 010 012 010 013 010 × 15 014 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 600 8000 10 / 31 10 / 31 10 / 31 10 / 31 10 / 31 10 / 31 10 / 133 10 / 133 10 / 133 10 / 133 10 / 133 10 / 133 10 / 133 10 / 133 10 / 133 10 / 133 10 / 133 10 / 133 10 / 133 10 /			
010 010 010 M10 × 15 M10 × 15 M10 × 15 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 6000 8,000 8,000 10 / 31 10 / 31 10 / 31 10 / 31 10 / 31 10 / 31 010 010 010 010 010 010 010 × 15 M10 × 15 M10 × 15 - 50 50 - 50 50 - 50 50 - 50 50 - 50 50 - 50 50 - 50 50 - 50 50 - 50 50 - 50 50 - 652 652 010 / 133 10 / 133 10 / 133 010 / 130 10 / 133 10 / 130	28		
010 010 010 M10 × 15 M10 × 15 M10 × 15 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 6000 8,000 8,000 10 / 31 10 / 31 10 / 31 10 / 31 10 / 31 10 / 31 010 010 010 010 010 010 010 × 15 M10 × 15 M10 × 15 - 50 50 - 50 50 - 50 50 - 50 50 - 50 50 - 50 50 - 50 50 - 50 50 - 50 50 - 50 50 - 652 652 010 / 133 10 / 133 10 / 133 010 / 130 10 / 133 10 / 130	8		
M10 × 15 M10 × 15 M10 × 15 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 4 + 4 8,000 8,000 8,000 10 / 31 10 / 31 10 / 31 10 / 31 10 / 31 10 / 31 010 010 010 010 010 010 010 010 010 10 / 31 10 / 31 10 / 31 010 010 010 010 010 010 10 / 31 10 / 31 10 / 31 10 / 31 10 / 133 10 / 133 11 (option) 1 (option) 1 (option) 11 (option) 1 (option) 1 (option) 11 (option) 1 (option) 1 (option) 120 052 052 131 10 / 133 10 / 133 14 10 10 15 100 × 15 100 16 <t< td=""><td>5/5</td><td>5 / 5</td><td>5 / 5</td></t<>	5/5	5 / 5	5 / 5
4+4 4+4 4+4 4+4 4+4 4+4 4+4 4+4 4+4 0 0.000 8.000 10/31 10/31 10/31 10/31 10/31 10/31 10/31 10/31 10/31 010 010 010 010 010 010 10/31 10/31 10/31 010 010 010 010 010 010 010 010 010 110/31 10/13 10/13 3/4 (option) 3/4 (option) 3/4 (option) 1 (aption) 1 (aption) 1 (aption) 1 (aption) 1 (aption) 1 (aption) 1 (aption) 10/133 10/133 0 (52 052 052 10/133 10/133 10/133 0 (52 052 052 120 120 120 120 120 120 120		Ø10	Ø10
4+4 4+4 4+4 8,000 8,000 8,000 10/31 10/31 10/31 10/31 10/31 10/31 010 010 010 M10×15 M10×15 M10×15 - 50 50 3/4 (option) 3/4 (option) 3/4 (option) 3/4 (option) 1 (option) 1 (option) 10/133 10/133 10/133 052 052 052 010 8,000 8,000 10/133 10/133 10/133 052 052 052 052 052 052 010×15 M10×15 M10×15 32 16 mm (0ption 25.4 mm) 32 90 90 90 90 120 120 120 120 120 120 120 120 120 120 010 010 010 010 14	M10 × 1.5	M10 × 1.5	M10 × 1.5
8,000 8,000 8,000 10/31 10/31 10/31 10/31 10/31 10/31 010 010 010 M10×15 M10×15 M10×15 - 50 50 3/4 (option) 3/4 (option) 3/4 (option) 1 (option) 1 (option) 1 (option) 1 (option) 1 (option) 1 (option) 0 52 0 52 0 52 0 50 90 90 10 / 133 10 / 133 10 / 133 0 52 0 52 0 52 0 50 90 90 100 120 120 100 120 120 100 120 120 100 120 120 120 1200 120 120 1200 120 120 120 120 120 120 120 120 120 120 130 100	4 + 4	4 + 4	4 + 4
10/31 10/31 10/31 10/31 10/31 10/31 00 010 000 MI0×15 MI0×15 MI0×15 - 50 50 3/4 (option) 3/4 (option) 3/4 (option) 1 (option) 1 (option) 1 (option) 1 (option) 1 (option) 1 (option) 8,000 8,000 8,000 10/133 10/133 10/133 052 052 052 010 120 052 100 120 120 120 120 120 120 120 120 80/105 80/105 80,000 80/105 80/105 80,000 14 14 14 14 14 14 14 14 14 14 14 14 15 M5×P0.8 M5×P0.8	4 + 4	4 + 4	4 + 4
10/31 10/31 10/31 010 010 010 M10×15 M10×15 M10×15 - 50 50 3/4 (option) 3/4 (option) 3/4 (option) 1 (option) 1 (option) 1 (option) 0 (option) 1 (option) 1 (option) 0 (option) 1 (option) 1 (option) 0 (option) 1 (option) 1 (option) 10 / 133 10 / 133 10 / 133 0 (option 254 mm) 32 052 32 16 mm (Option 254 mm) 32 30 12,000 (0,000 with option 254 mm) 30 (002 8,000 12,000 (0,000 with option 254 mm) 8,000 0 0 0 0 10 0 0 0 10 0 0 0 0 10 0	8,000	8,000	8,000
Ø10 Ø10 Ø10 M10 × 15 M10 × 15 M10 × 15 - 50 50 3/4 (option) 3/4 (option) 3/4 (option) 1 (option) 1 (option) 1 (option) 1 (option) 1 (option) 1 (option) 0 (option) 1 (option) 1 (option) 0 (option) 1 (option) 1 (option) 0 (option) 0 (option) 0 (option) 0 (option) 1 (option) 1 (option) 0 (option) 0 (option) 0 (option) 0 (option) 0 (option) 0 (option) 10 (option) 120 120 120 120 120 120 120 120 0 (option) 0 (option) 0 (option) 0 (option) 0 (option) 0 (option) 0 (option) 120 120 120 1200 1200 0 (option) 0 (option) 0 (option) 0 (option) 0 (option) 0 (option)	1.0 / 3.1	1.0 / 3.1	1.0 / 3.1
M10 × 15 M10 × 15 M10 × 15 M10 × 15 - 50 50 3/4 (option) 3/4 (option) 3/4 (option) 1 (option) 1 (option) 1 (option) 0 8,000 8,000 0 8,000 8,000 0 10 / 133 10 / 133 0 52 052 0 52 052 0 10 × 15 M10 × 15 10 / 133 10 / 133 10 / 133 0 52 052 0 52 052 0 10 × 15 M10 × 15 32 16 mm (Option 25.4 mm) 32 390 90 90 120 120 120 120 120 100 8,000 12,000 (10,000 with option 25.4 mm) 80.0 / 10.5 26 26 26 010 010 010 0 010 010 14 14 14 <	1.0 / 3.1	1.0 / 3.1	1.0 / 3.1
- 50 50 3/4 (option) 3/4 (option) 3/4 (option) 1 (option) 1 (option) 1 (option) 8,000 8,000 8,000 001 (133 10 / 133 10 / 133 005.2 05.2 05.2 M10 ×1.5 M10 ×1.5 M10 ×1.5 120 120 120 120 120 120 8,000 12,000 (10,000 with option 25.4 mm) 8,000 8,000 12,000 (10,000 with option 25.4 mm) 8,000 120 120 120 120 120 120 14 14 14 14 14 14 8 8 8 06 06 06 06 06 06 05 06 06 06 06 06 06 06 06 06 06 06 06 06 06 06	Ø10	Ø10	Ø10
3/4 (option) 3/4 (option) 3/4 (option) 1 (option) 1 (option) 1 (option) 8,000 8,000 8,000 10 / 133 10 / 133 10 / 133 05.2 05.2 05.2 M10 ×1.5 M10 ×1.5 M10 ×1.5 32 16 mm (0ption 25.4 mm) 32 90 90 90 90 120 120 120 120 120 8,000 12,000 (10,000 with option 25.4 mm) 8,000 8,000 12,000 (10,000 with option 25.4 mm) 8,000 120 120 120 120 120 120 120 120 120 130 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 16 06 06 06 06 06	M10 × 1.5	M10 × 1.5	M10 × 1.5
1 (option) 1 (option) 1 (option) 8,000 8,000 8,000 10 / 133 10 / 133 10 / 133 05.2 05.2 05.2 M10 ×1.5 M10 ×1.5 M10 ×1.5 32 16 mm (Option 25.4 mm) 32 90 90 90 90 90 90 120 12,000 (10,000 with option 25.4 mm) 8,000 8,000 12,000 (10,000 with option 25.4 mm) 8,000 8,000 12,000 (10,000 with option 25.4 mm) 8,000 120 120 120 120 120 120 120 12,000 (10,000 with option 25.4 mm) 8,000 8,0/10.5 8.0 / 10.5 8.0 / 10.5 120 12,000 (10,000 with option 25.4 mm) 8,000 120 12,000 (10,000 with option 25.4 mm) 8,000 120 12,000 (10,000 with option 25.4 mm) 8,000 120 120 120 120 120 120 120 120 120	50	50	-
1 (option) 1 (option) 1 (option) 8,000 8,000 8,000 10 / 133 10 / 133 10 / 133 05.2 05.2 05.2 M10 ×1.5 M10 ×1.5 M10 ×1.5 32 16 mm (Option 25.4 mm) 32 90 90 90 90 90 90 120 12,000 (10,000 with option 25.4 mm) 8,000 8,000 12,000 (10,000 with option 25.4 mm) 8,000 8,000 12,000 (10,000 with option 25.4 mm) 8,000 120 120 120 120 120 120 120 12,000 (10,000 with option 25.4 mm) 8,000 8,0/10.5 8.0 / 10.5 8.0 / 10.5 120 12,000 (10,000 with option 25.4 mm) 8,000 120 12,000 (10,000 with option 25.4 mm) 8,000 120 12,000 (10,000 with option 25.4 mm) 8,000 120 120 120 120 120 120 120 120 120			
1 (option) 1 (option) 1 (option) 8,000 8,000 8,000 10 / 133 10 / 133 10 / 133 05.2 05.2 05.2 M10 ×1.5 M10 ×1.5 M10 ×1.5 32 16 mm (Option 25.4 mm) 32 90 90 90 90 90 90 120 12,000 (10,000 with option 25.4 mm) 8,000 8,000 12,000 (10,000 with option 25.4 mm) 8,000 8,000 12,000 (10,000 with option 25.4 mm) 8,000 120 120 120 120 120 120 120 12,000 (10,000 with option 25.4 mm) 8,000 8,0/10.5 8.0 / 10.5 8.0 / 10.5 120 12,000 (10,000 with option 25.4 mm) 8,000 120 12,000 (10,000 with option 25.4 mm) 8,000 120 12,000 (10,000 with option 25.4 mm) 8,000 120 120 120 120 120 120 120 120 120	3/4 (option)	3// (option)	3/// (option)
8,000 8,000 8,000 8,000 10 / 133 10 / 133 10 / 133 10 / 133 052 052 052 052 M10 ×1.5 M10 ×1.5 M10 ×1.5 M10 ×1.5 32 16 mm (Option 25.4 mm) 32 90 90 90 120 120 120 8,000 12,000 (10,000 with option 25.4 mm) 8,000 8,000 12,000 (10,000 with option 25.4 mm) 8,000 8,000 12,000 (10,000 with option 25.4 mm) 8,000 10 0 10 10 8,010.5 8.0 / 10.5 8.0 / 10.5 8.0 / 10.5 10 0.10 0.10 0.10 0.10 11 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 <td< td=""><td></td><td></td><td></td></td<>			
10/133 10/133 10/133 052 052 052 M10×1.5 M10×1.5 M10×1.5 32 16 mm (Option 25.4 mm) 32 90 90 90 120 120 120 8,000 12,000 (10,000 with option 25.4 mm) 8,000 8,000 12,000 (10,000 with option 25.4 mm) 8,000 8,000 12,000 (10,000 with option 25.4 mm) 8,000 8,010.5 8.0 / 10.5 8.0 / 10.5 26 26 26 010 010 010 010 010 010 14 14 14 8 8 8 06 06 06 05 06 06 06 06 06 05 × P0.8 M5 × P0.8 M5 × P0.8			
Ø5.2 Ø5.2 Ø5.2 M10 ×1.5 M10 ×1.5 M10 ×1.5 32 16 mm (Option 25.4 mm) 32 90 90 90 120 120 120 8,000 12,000 (10,000 with option 25.4 mm) 8,000 8,000 12,000 (10,000 with option 25.4 mm) 8,000 8,001 12,000 (10,000 with option 25.4 mm) 8,000 8,010.5 8.0 / 10.5 8.0 / 10.5 26 26 26 0 010 010 0 010 010 0 14 14 14 14 14 8 8 8 0 06 06 05 06 06 05 06 06 05 06 06			
M10 ×1.5 M10 ×1.5 M10 ×1.5 32 16 mm (Option 25.4 mm) 32 90 90 90 120 120 120 8,000 12,000 (10,000 with option 25.4 mm) 8,000 8,000 12,000 (10,000 with option 25.4 mm) 8,000 8,000 12,000 (10,000 with option 25.4 mm) 8,000 8,01 10.5 8.0 / 10.5 8.0 / 10.5 26 26 26 26 010 010 010 010 14 14 14 14 8 8 8 8 06 06 06 06 M5 × P0.8 M5 × P0.8 M5 × P0.8			
32 16 mm (Option 25.4 mm) 32 90 90 90 120 120 120 8,000 12,000 (10,000 with option 25.4 mm) 8,000 8,0/10.5 8.0 / 10.5 8.0 / 10.5 26 26 26 010 010 010 08×1.25 M8×1.25 M8×1.25 14 14 14 8 8 8 06 06 06 M5×P0.8 M5×P0.8 M5×P0.8			
90 90 90 90 120 120 120 120 8,000 12,000 (10,000 with option 25.4 mm) 8,000 8,000 8,0/10.5 8.0/10.5 8.0/10.5 8.0/10.5 8.0/10.5 26	1410 × 1.5	MIU *I.5	1910 × 1.5
90 90 90 90 120 120 120 120 8,000 12,000 (10,000 with option 25.4 mm) 8,000 8,000 8,0/10.5 8.0/10.5 8.0/10.5 8.0/10.5 8.0/10.5 26			
120 120 120 8,000 12,000 (10,000 with option 254 mm) 8,000 8,0 / 10.5 8,0 / 10.5 8,0 / 10.5 8,0 / 10.5 8,0 / 10.5 8,0 / 10.5 26 26 26 010 010 010 M8 × 1.25 M8 × 1.25 M8 × 1.25 14 14 14 8 8 8 06 06 06 075 × P0.8 M5 × P0.8 M5 × P0.8		· · · · · ·	
8,000 12,000 (10,000 with option 25.4 mm) 8,000 8.0 / 10.5 8.0 / 10.5 8.0 / 10.5 26 26 26 Ø10 Ø10 Ø10 M8 × 1.25 M8 × 1.25 M8 × 1.25 14 14 14 8 8 8 Ø6 Ø6 Ø6 M5 × P0.8 M5 × P0.8 M5 × P0.8	90		
8.0 / 10.5 8.0 / 10.5 8.0 / 10.5 26 26 26 010 010 010 M8 × 1.25 M8 × 1.25 M8 × 1.25 14 14 14 8 8 8 06 06 06 M5 × P0.8 M5 × P0.8 M5 × P0.8			
26 26 26 010 010 010 M8 × 1.25 M8 × 1.25 M8 × 1.25 14 14 14 8 8 8 06 06 06 M5 × P0.8 M5 × P0.8 M5 × P0.8			
Ø10 Ø10 Ø10 M8 × 1.25 M8 × 1.25 M8 × 1.25 Image: Matrix of the state st		8.0 / 10.5	8.0 / 10.5
M8 × 1.25 M8 × 1.25 M8 × 1.25 14 14 14 8 8 8 06 06 06 M5 × P0.8 M5 × P0.8 6,000	26	26	26
14 14 14 8 8 8 06 06 06 M5 x P0.8 M5 x P0.8 M5 x P0.8 6,000 6,000 6,000		Ø10	
8 8 8 06 06 06 M5 x P0.8 M5 x P0.8 M5 x P0.8 6,000 6,000 6,000	M8 × 1.25	M8 × 1.25	M8 × 1.25
8 8 8 06 06 06 M5 x P0.8 M5 x P0.8 M5 x P0.8 6,000 6,000 6,000			
8 8 8 06 06 06 M5 x P0.8 M5 x P0.8 M5 x P0.8 6,000 6,000 6,000	14	14	14
M5 x P0.8 M5 x P0.8 M5 x P0.8 6,000 6,000 6,000	8		
M5 x P0.8 M5 x P0.8 M5 x P0.8 6,000 6,000 6,000	Ø6		
6,000 6,000 6,000			
10/31 10/31 10/31	1.0 / 3.1	1.0 / 3.1	1.0 / 3.1
<u>42</u> <u>42</u> <u>42</u>			
30 30 30			
Fanuc 31i-MB+Fanuc 31i-MB+Fanuc 31i-MB+	Fanuc 31i-MB+	Fanuc 31i-MB+	Fanuc 31i-MB+
3,056 × 1,440 × 2,242 3,056 × 1,440 × 2,242 3,056 × 1,440 × 2,242	3.056 × 1.440 × 2.242	3.056 × 1.440 × 2.242	3.056 × 1.440 × 2.242
3,880 3,880 3,880 3,880			
250 250 250 250			
230 230 230 230 230 230 230 230 230 230			
23 23	29	23	29

We keep you turning

m.

TORNOS LTD

Rue Industrielle 111 P.O. Box 960 2740 Moutier / Switzerland **T** +41 (0)32 494 44 44 contact@tornos.com Tornos throughout the world

