



TORCO-BLOCK

Fast and accurate tool assembly with any wrench

PRECISE

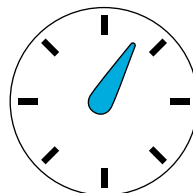
Never over-torque your toolholders.

REPRODUCIBLE

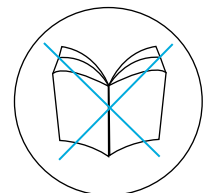
Tool run-out is guaranteed.

TORCO-BLOCK

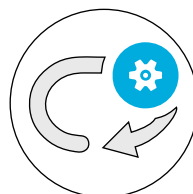
Safe and secure clamping of tools.



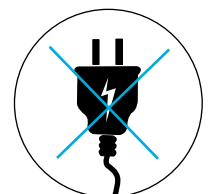
Integrated measurement
in Nm or ft lb



No tables or torque
charts needed



Toolholders are always
clamped correctly



No electricity required

Why should you use TORCO-BLOCK?

Safe and easy tool-clamping for all available collet systems



Torque Value Charts

Finding the right tightening torque for your ER system is complicated. All ER manufacturers highly recommend to respect the correct tightening force in order to get best TIR run-out. With TORCO-BLOCK, forget about torque charts and endless searches!

Recommended tightening torque for ER and MR clamping nuts
Maximum torques for retention knobs (Nm)

Collet size	ER/ERC		ERB/ERBC		ERM/ERMC		ERMA/ERMAC		ERAA/ERAAC		ERMS	
	ER	ERC	ERB	ERBC	ERM	ERMC	ERMA	ERMAC	ERAA	ERAAC	ERMS	
0.8-1.0	0.0078-0.035	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	
1.0-1.5	0.0078-0.035	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	
1.5-3.0	0.0078-0.035	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	
3.0-7.0	0.0078-0.035	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	
7.0-13.0	0.0078-0.035	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	
13.0-25	0.0078-0.035	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	
25-40	0.0078-0.035	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	
40-50	0.0078-0.035	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	
50-75	0.0078-0.035	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	
75-100	0.0078-0.035	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	
100-125	0.0078-0.035	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	
125-150	0.0078-0.035	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	
150-200	0.0078-0.035	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	
200-250	0.0078-0.035	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	
250-300	0.0078-0.035	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	
300-350	0.0078-0.035	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	
350-400	0.0078-0.035	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	
400-450	0.0078-0.035	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	
450-500	0.0078-0.035	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	
500-550	0.0078-0.035	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	
550-600	0.0078-0.035	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	
600-650	0.0078-0.035	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	
650-700	0.0078-0.035	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	
700-750	0.0078-0.035	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	
750-800	0.0078-0.035	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	
800-850	0.0078-0.035	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	
850-900	0.0078-0.035	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	
900-950	0.0078-0.035	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	
950-1000	0.0078-0.035	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	8	0.039-0.098	

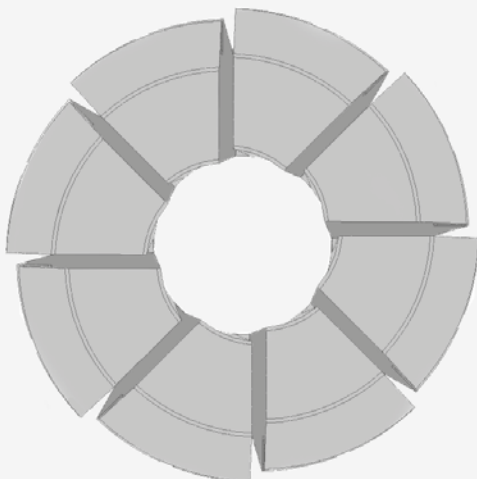
Torque Wrenches

Clamping your ER nut on a TORCO-BLOCK can be done with literally any standard wrench or spanner. No expensive torque wrenches or other equipment is needed anymore!



ER Collet Torsion

Overtorquing an ER system will negatively impact the TIR run-out. Your ER collet will twist and distort under the compression. Don't waste your good ER system because of faulty usage!



Collet top view

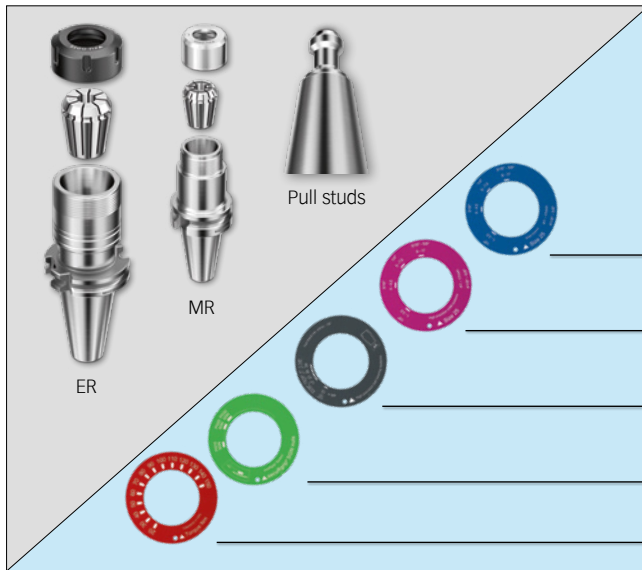
Damaged Holders

The threaded head of an ER toolholder is designed and manufactured for a specific clamping strength. Overtorquing will eventually provoke hairline cracks or even cracked holders. Respect the right tightening torque thanks to TORCO-BLOCK!



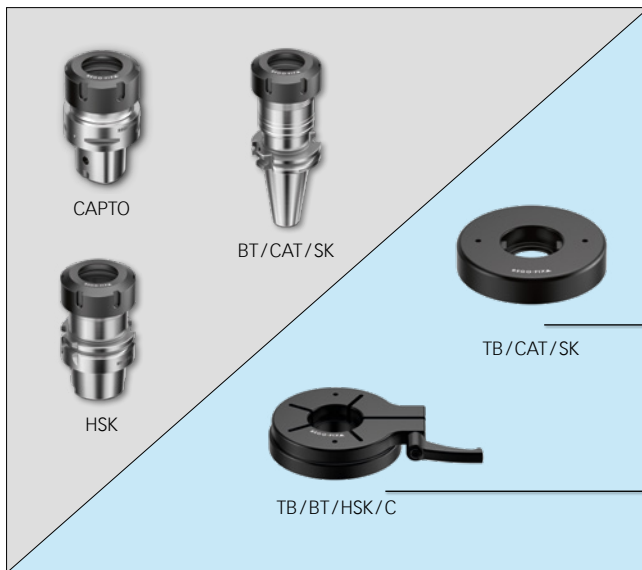
TORCO-BLOCK The only tool assembly device in the market that is comfortable to use with integrated torque measuring. Usability is given for all collet based systems and available for standard machine interfaces.

TORCO-BLOCK – Collet systems



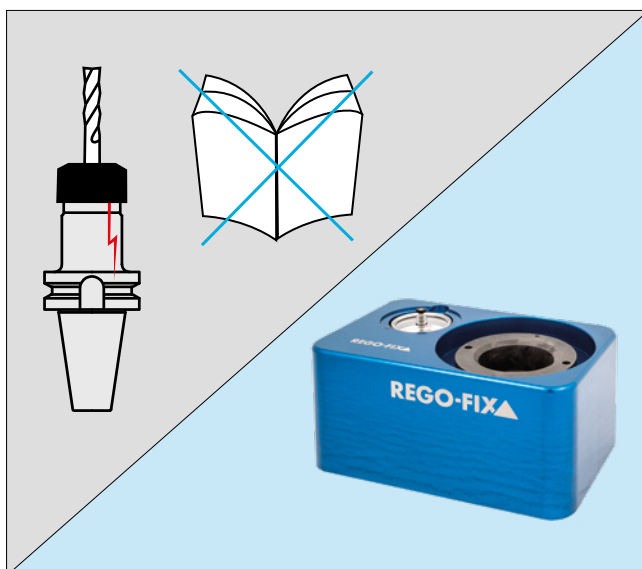
- // Correct tightening torques, per tool shank diameter and collet size
- // Measuring scale up to 150 Nm/110 ft lb
- // TORCO-BLOCK is supplied with scale rings TB / IR
- // Also suitable for mounting pull studs
- // Mounting of powRgrip® secuRgrip® SGN nut
- ER / ERM systems
- MR micRun® systems
- Ball bearing systems
- For powRgrip® secuRgrip® SGN nut
- Torque display in Nm or ft lb

TORCO-BLOCK – Spindle interfaces



- // Easy change of tool holders and adapters
- // Available for most common spindle interfaces
- // Overhanging mounting of the TORCO-BLOCK on a workbench possible
- TB / CAT / SK
- Tool adapters for BT / CAT / SK spindle interfaces, sizes 30 to 50
- TB / BT / HSK / C
- Tool adapters for HSK + REGO-FIX CAPTO, sizes 25 to 100 and C3 to C6

TORCO-BLOCK – Advantages



- // Standard clamping spanners instead of torque wrenches and different clamping wrench heads
- // Fast clamping, as all relevant information is available on the scale rings
- // Correct clamping of the pull stud increases tool concentricity



Including set of 11 rings

TORCO-BLOCK and it's components

Type Part no.

Tool assembly with torque measurement

TORCO-BLOCK 7815.00000

Included in delivery: TORCO-BLOCK and indicator ring set (no tool adapters).

Indicator ring set/11 rings

SET TB / IR 7816.99999

Tool adapter for CAT spindle interfaces

TB / BT 30 | CAT 30 7816.30100

TB / SK 40 | CAT 40 7816.40200

TB / CAT 50 7816.50300

Tool adapter for SK spindle interface

TB / SK 30 7816.30200

TB / SK 40 | CAT 40 7816.40200

TB / SK 50 7816.50200

Tool adapter for BT spindle interface

TB / BT 30 | CAT 30 7816.30100

TB / HSK 63 | C6 | BT 40 7816.63500

TB-HD / HSK 63 | C6 | BT 40 7814.63900

TB / HSK 100 | BT 50 7816.00500

Type Part no.

Tool adapter for HSK + REGO-FIX CAPTO

TB / HSK 25 7816.25500

TB / HSK 32 | C3 7816.32500

TB / HSK 40 | C4 7816.40500

TB / HSK 50 | C5 7816.50500

TB / HSK 63 | C6 | BT 40 7816.63500

TB-HD / HSK 63 | C6 | BT 40 7814.63900

TB / HSK 80 | C8 7816.80500

TB / HSK 100 | BT 50 7816.00500

REGO-FIX CAPTO – licensed by Sandvik Coromant.

