Bolting Tools For Nearly All Applications On Cranes & Construction Machines

ITH Bolt Tensioning Cylinders
M16 to M36 (1/2" to 3.1/2") for hydraulic, friction-free and torsion-free tensioning.

ITH Hydraulic Torque Wrenches
Four types for torques from 250Nm to 130,000 Nm, single hose and dual hose.

ITH Nut Runners
Electric, battery-powered and pneumatic for torques from 200 Nm to 14,000 Nm.

ITH Hydraulic Nuts
For example for counter weight installation.

Digital Measurement & Documentation
Easy to use application software for documentation of all relevant application data.

Extraction tool „Puller“ cylinder
For pulling out conus bolts on cranes.

Close To Our Customers Worldwide: Service And Support

Contact us by phone or by email – we would be happy to give support or visit you for an onsite ITH bolting tool demonstration.

ITH Bolting Technology is the worldwide leading system supplier and offers Bolting Tools, Engineering, Fasteners and Service. With more than 200 international patents ITH is an important driver of innovation in the market for bolting technology.

More than 40 global representatives guarantee fast service and the „ITH Customer Focus“.

Visit our website for more information or to find the local person in charge in your country.

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ITH Bolt Tools for Cranes & Construction Machines

ITH 2004

www.ith.com

EN
### ITH-Nut Runners Overview

<table>
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<tr>
<th>Details:</th>
<th>Equipment:</th>
<th>Order no.:</th>
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<tbody>
<tr>
<td>Calibrated on crane tower connection M36x90 12.9</td>
<td>Reaction support arm (LIEBHERR specific), Power Wrench Socket 1 1/2&quot; - A/F 55, Quick Charging Station, 2 x 18V Lithium Batteries</td>
<td>86.00106</td>
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<tr>
<td>ITH Battery Nut Runner Type ADS</td>
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<tr>
<td>Calibrated on crane tower connection M36x90 12.9 and M45x440 12.9</td>
<td>Reaction support arm (LIEBHERR specific), Power Wrench Socket 1 1/2&quot; - A/F 70, Power Wrench Socket 1 1/2&quot; - A/F 55</td>
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<tr>
<td>ITH Nut Runner Type EDS</td>
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<td>Calibrated on crane tower connection M36x90 12.9 and M45x440 12.9</td>
<td>Reaction support arm (LIEBHERR specific), Power Wrench Socket 1 1/2&quot; - SW70, Power Wrench Socket 1 1/2&quot; - SW55</td>
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<td>ITH Nut Runner type EDSW (angle version)</td>
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*Given order numbers refer to the Liebherr specific calibration of the bolting tool. Complete toolkits include support which are designed to match Liebherr crane tower connection M36-M45, similar to pictures shown below.

### ITH-Nut Runner Applications

ITH Battery Nut Runner type ADS 400 on a crane tower corner bolt connection including Liebherr design support arm.

ITH Electric Nut Runner type ED9w on a crane tower corner bolt connection.

### ITH Hydraulic Torque Wrench Type CX for Cranes

<table>
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<tr>
<th>Details:</th>
<th>Equipment:</th>
<th>Order no.:</th>
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<tr>
<td>Diverse crane types M36 and M45</td>
<td>Liebherr specific reaction arm, Power Wrench Socket 1 1/2&quot; - A/F 70, Power Wrench Socket 1 1/2&quot; - A/F 55</td>
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<tr>
<td>ITH Hydraulic Torque Wrench Type CX 8</td>
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*Find more information on our website www.ITH.com.