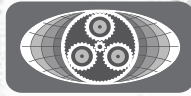


PLARAD[®]
Torque & Tension Systems



PLARAD
approved by
LIEBHERR

A new approach for crane assembly






Previously Liebherr only approved hydraulic tools for crane assembly. After intensive and thorough testing with different nutrunners from various brands the current Ti (Technical Information from Liebherr) now officially permits the use of electric and battery nutrunners for Liebherr crane assembly.

As part of tool capability examinations and EMC (electromagnetic compatibility) test, the nutrunners had to withstand Liebherr's high standards and demands.

As a result, Liebherr has released Plarad as an approved manufacturer for all applications between AVF 55-70 for tower section assembly.

In addition to assembly, Plarad is the only supplier who is also permitted to dismantle tower crane bolted joints.

Approved models for crane assembly:

PLARAD - DA-48 LH	Technical data	For tower system / nominal size
	<p>Torque min.: 500 Nm Torque max.: 4 800 Nm Weight: 11.75 kg (incl. Reaction arm) Brushless synchronous motor</p>	<p>16HC175 (120HC) / M36 Calibrated on tower section bolted joints M36x390 12.9 Applications up to -10°C. Warm-up necessary when temperature is below 5 °C.</p>
PLARAD - DE-80 LH	Technical data	For tower system / nominal size
	<p>Torque min.: 1 200 Nm Torque max.: 8 000 Nm Weight: 20 kg (incl. Reaction arm) Brush motor</p>	<p>16HC175 (120HC) / M36 17HC200 (170HC) / M45 21HC290 (256HC) / M45 Calibrated on tower section bolted joints M36x390 12.9 and M45x440 12.9 Applications up to -10°C. Warm-up necessary when temperature is below 5 °C.</p>
PLARAD - DE-80-W LH	Technical data	For tower system / nominal size
	<p>Torque min.: 1 200 Nm Torque max.: 8 000 Nm Weight: 22 kg (incl. Reaction arm) Brush motor</p>	<p>16HC175 (120HC) / M36 17HC200 (170HC) / M45 21HC290 (256HC) / M45 Calibrated on tower section bolted joints M36x390 12.9 and M45x440 12.9 Applications up to -10°C. Warm-up necessary when temperature is below 5 °C.</p>

Scope of delivery includes a tool kit and a reaction arm suitable for corner tower section bolted joints M36/M45, all neatly contained in a professional carry case (image similar)





... a successful connection!

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