

Angle-head Electric Nutrunner

Product capability performance

Model	Part number
EAD20-1300	6151656060
EAD32-900	6151656070
EAD50-900	6151656090
EAD50-900-HAD	6151658770
EAD60-625	6151660790
EAD60-625 SQ 1/2	6151661880
EAD70-800	6151656110
EAD70-700-HAD	6151658780
EAD70-800-SQ1/2	6151658820
EAD80-650	6151656120
EAD105-500	6151656130
EAD105-500-HAD	6151658790
EAD160-430	6151656810
EAD160-430-HAD	6151658800
EAD200-370	6151656820
EAD280-260	6151656830
EAD280-370	6151656840
EAD440-250	6151656850
EAD660-160	6151656860



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	⚠ WARNING
	Read all safety warnings and instructions
	Failure to follow the safety warnings and instructions may result in electric shock, fire and/or serious injury.
Save all warnings and instructions for future reference	

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Product Information

Foreword

This information comes from actual production samples considered representative of Desoutter quality even though the performance might differ from one sample to another.

Terms and definitions

6s (ISO5393:2017): range of probability, plus and minus three standard deviations from the mean, derived from a sample of a statistical population. For a normally distributed statistical population, 99.73 % of all members of that population are encompassed.

6s torque scatter %: 6s torque scatter as a percentage of the mean torque. Assessed in multiple test conditions including multiple joint stiffnesses and target torques to predict how the tool can perform along the whole torque range.

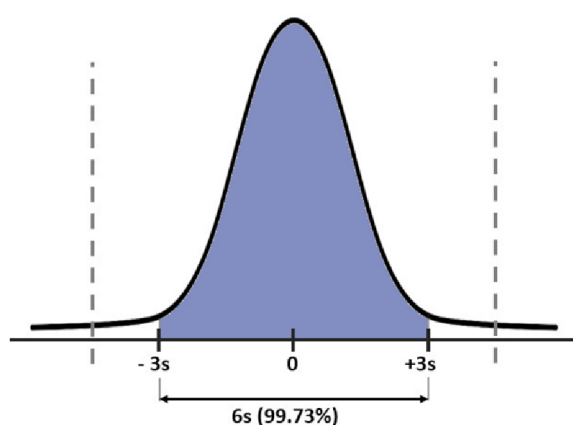


Illustration 1: Representation of the Gauss curve and 6s torque scatter

Performance characteristics and applicable torque range

Applicable torque range (Nm): Minimum torque (0%) - Maximum torque (100%)		
Applicable standard	ISO5393 (6s torque scatter % < 8%)	VDI/VDE 2647 (tolerance class: +/-7%)
Model		
EAD20-1300	3 - 18 Nm	3 - 20 Nm
EAD32-900	5 - 30 Nm	5 - 32 Nm
EAD50-900	8 - 45 Nm	8 - 50 Nm
EAD50-900-HAD	8 - 45 Nm	8 - 50 Nm
EAD60-625	10 - 55 Nm	10 - 60 Nm
EAD60-625 SQ 1/2	10 - 55 Nm	10 - 60 Nm
EAD70-800	12 - 65 Nm	12 - 70 Nm
EAD70-700-HAD	12 - 65 Nm	12 - 70 Nm
EAD70-800-SQ1/2	12 - 65 Nm	12 - 70 Nm
EAD80-650	15 - 75 Nm	15 - 80 Nm
EAD105-500	20 - 90 Nm	20 - 105 Nm
EAD105-500-HAD	20 - 90 Nm	20 - 105 Nm
EAD160-430	35 - 150 Nm	35 - 160 Nm
EAD160-430-HAD	35 - 150 Nm	35 - 160 Nm
EAD200-370	60 - 170 Nm	60 - 200 Nm
EAD280-260	60 - 250 Nm	60 - 280 Nm
EAD280-370	60 - 250 Nm	60 - 280 Nm

Applicable torque range (Nm): Minimum torque (0%) - Maximum torque (100%)

Applicable standard	ISO5393 (6s torque scatter % < 8%)	VDI/VDE 2647 (tolerance class: +/-7%)
Model		
EAD440-250	100 - 400 Nm	100 - 440 Nm
EAD660-160	100 - 600 Nm	100 - 660 Nm

Additional information on capability standard application

ISO5393 standard application

Test conditions:

- ISO5393:2017
- No additional calibration adjustment in between test cases unless stated
- Sample size: 50 tightening per test case
- The reported data is based on tests conducted on three randomly selected tools sample from production (each Torque x Speed variant) satisfying as follow:
 - Target torque: 0%, 100%
 - 30° joint stiffness 0% to 100% target torque
 - 360° joint stiffness 0% to 100% target torque

VDI/VDE 2647 and VDI/VDE 2645 standard application

Test conditions:

- VDI/VDE 2647 and VDI/VDE 2645
- No additional calibration adjustment in between test cases unless stated
- Sample size: 100 tightening per test case
- The reported data is based on tests conducted on three randomly selected tools sample from production (each Torque x Speed variant) satisfying as follow:

Performance criteria on torque capability

VDI 2645-Part 2

Tolerance class: +/-7%

$C_m \geq 2$, $C_{mk} \geq 1.67$

Target torque: 30%, 80%, 100%

Joint stiffness:

- 30° from 50% to 100% target torque
 - 360° from 50% to 100% target torque
-

Performance criteria on angle capability

VDI 2645-Part 2

Target angle	Target torque	Tolerance
40°	20% to 60% max torque	+/-5°
180°	20% to 80% max torque	+/-10°

Original instructions

Founded in 1914 and headquartered in France, Desoutter Industrial Tools is a global leader in electric and pneumatic assembly tools serving a wide range of assembly and manufacturing operations, including Aerospace, Automotive, Light and Heavy Vehicles, Off-Road, General Industry.

Desoutter offers a comprehensive range of Solutions -tools, service and projects- to meet the specific demands of local and global customers in over 170 countries.

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