

Performance of tools according to VDI/VDE 2647

General information		
Testing date:	31/03/2026	
General information about tool		
Manufacturer:	Desoutter	
Machine type:	CVI3 Tool	
Model:	EADS14-940-4Q	
Part number:	6151663390	
Square:	Hex. 1/4"	
Maximum speed:	940 rpm	
Minimal torque:	4 N.m	2.95 ft.lb
Nominal torque	14 N.m	10.33 ft.lb
Maximum torque:	14 N.m	10.33 ft.lb
Weight	0.99 kg	2.18 lb
Length	344 mm	13.54"
Serial number:	26B0610600B03	
	26B0610700B03	
	26B0610800B03	
Picture of tool		
		

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Tightening at torque

<i>Value for the duration of break between cycles</i>					
0% soft:	5 s		0 % hard:	5 s	
30% soft:	5 s		30 % hard:	5 s	
100% soft:	45 s		100 % hard	45 s	
<i>Number of tightenings for the test</i>					
0 % of the torque range:	100				
30 % of the torque range:	100				
100 % of the torque range:	100				
<i>Number of free speed</i>					
All torque range:	4				
<i>Torque test - test point specification</i>					
<i>Torque and torsion tested</i>					
P1: 0 % of the torque range:	4.0 N.m		Soft:	30°	Hard: 360°
P2: 30 % of the torque range:	7.0 N.m		Soft:	30°	Hard: 360°
P3: 100 % of the torque range:	14.0 N.m		Soft:	30°	Hard: 360°
<i>Revolutions per minute</i>					
<i>0 % of the torque range</i>					
Hard	Rundown speed (Rpm):	50 Rpm		Downshift speed (Rpm):	32 Rpm
Soft	Rundown speed (Rpm):	50 Rpm		Downshift speed (Rpm):	32 Rpm
<i>30 % of the torque range</i>					
Hard	Rundown speed (Rpm):	50 Rpm		Downshift speed (Rpm):	50 Rpm
Soft	Rundown speed (Rpm):	50 Rpm		Downshift speed (Rpm):	50 Rpm
<i>100 % of the torque range</i>					
Hard	Rundown speed (Rpm):	50 Rpm		Downshift speed (Rpm):	50 Rpm
Soft	Rundown speed (Rpm):	50 Rpm		Downshift speed (Rpm):	50 Rpm
<i>Torsion angle start moment (Angle threshold)</i>					
0 % of the torque range:	Soft:		2.0 N.m	Hard:	2.0 Nm
30 % of the torque range:	Soft:		3.5 N.m	Hard:	3.5 Nm
100 % of the torque range:	Soft:		7.0 N.m	Hard:	7.0 Nm
<i>Downshift torque</i>					
0 % of the torque range:	Soft:		0.32 N.m	Hard:	0.32 Nm
30 % of the torque range:	Soft:		0.56 N.m	Hard:	0.56 Nm
100 % of the torque range:	Soft:		1.12 N.m	Hard:	1.12 Nm
<i>Information for tightening with a battery tool</i>					
<i>Numbers of battery used for the tightening</i>					
0 % of the torque range:	Soft:		0	Hard:	0
30 % of the torque range:	Soft:		0	Hard:	0
100 % of the torque range:	Soft:		0	Hard:	0

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Tightening at angle

Value for the duration of break between cycles			
30°	5 s		
180°	30 s		
Number of tightening for the test			
Tightening hard	100		
Tightening soft	100		
Number of free speed			
All tightening:	4		
Rotation angle test - test points specification			
Rotation angle			
Hard of 50 at 100% of tightening	30°		
Soft of 50 at 100% of tightening	180°		
Revolutions per minute			
30 °			
Rundown speed (Rpm):	50 Rpm		Downshift speed (Rpm): 50 Rpm
180°			
Rundown speed (Rpm):	50 Rpm		Downshift speed (Rpm): 50 Rpm
Torsion angle start moment (Angle threshold)			
30° (20% of torque range)	2.8 N.m		
180° (20% of the torque range)	2.8 N.m		
Target torque			
30° (60 % of the torque range)	8.4 N.m		
180° (80 % of the torque range)	11.2 N.m		
Information for tightening with a battery tool			
Numbers of battery used for the tightening			
30°			
180°			

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Torque tightening test

Test point			0%		30%		100%	
Test torque			4.0 N.m		7.0 N.m		14 N.m	
Joints (of 50 at 100% of tightening)			hard (30°) (±5°)	soft (360°) (±15°)	hard (30°) (±5°)	soft (360°) (±15°)	hard (30°) (±5°)	soft (360°) (±15°)
Torque tolerance upper limit (N.m)			4.28	4.28	7.49	7.49	14.98	14.98
Torque tolerance lower limit (N.m)			3.72	3.72	6.51	6.51	13.02	13.02
Tolerance interval * (±)			7%	7%	7%	7%	7%	7%
Serial numbers	26B0610600B03	Cm	3.25	5.09	3.36	5.47	3.09	4.52
		Cmk	2.58	4.64	2.65	5.12	2.76	4.41
	26B0610700B03	Cm	3.70	4.88	3.87	5.72	3.28	5.31
		Cmk	3.09	4.67	3.31	5.11	2.82	5.07
	26B0610800B03	Cm	4.24	4.07	4.20	5.41	3.69	4.27
		Cmk	3.19	3.72	3.04	5.00	3.17	4.11

Min Cm/Cmk	Cm	3.25	4.07	3.36	5.41	3.09	4.27
	Cmk	2.58	3.72	2.65	5.00	2.76	4.11

	Cm >2,45 *	Cmk >2,07 *	
Index Min Cm	3.09	/	Compliant
Index Min Cmk	/	2.58	Compliant

Angle tightening test

			hard	soft
Angle tested (of 50 at 100% of tightening)			30°	180°
Target torque			8.4 N.m	11.2 N.m
Serial numbers	26B0610600B03	IT (±) (torque)	3.2%	2.5%
		IT (±) (angle)	1.6 °	2.0 °
	26B0610700B03	IT (±) (torque)	3.0%	2.3%
		IT (±) (angle)	1.2 °	2.2 °
	26B0610800B03	IT (±) (torque)	2.7%	2.3%
		IT (±) (angle)	1.4 °	2.0 °

		hard 30°	soft 180°	hard 30°	soft 180°
Index IT (±) (torque)	Must be	< 7%*	< 7%*	Compliant	Compliant
	Max is	3.2%	2.5%		
Index IT (±) (angle)	Must be	Hard < 5° *	Soft < 15° *	Compliant	Compliant
	Max is	1.6 °	2.2 °		

(*) Informations for reference