

Declaration of manufacturer Gears

Series 418F7..	
<u>Test Lab / Client</u> Gerhard Geiger GmbH & Co.KG., Schleifmühle 6, 74321 Bietigheim-Bissingen, Germany	
<u>Standard</u> DIN EN 14203 (D) July 2004 , Blinds and Shutters – Capability for use of gears with crank handle – Requirements and test methods	

Test data

Family of products	folding arm awning (EN 13651)		
Gear type	worm gear	Reduction ratio [i]	9:1
Torque M_S [Nm]	16,5	Efficiency [η]	0,38

Technical specifications

Forced operation test	carried		
Test effort $P_{F[N]}$ 120 (21,6 Nm) (Working radius 0,18m)	Cycles 15	Passed	Yes

Number of achieved cycles	3.000 (endurance class 1)
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This gear series is in conformity with the requirements of the directive DIN EN 14203 dated July 2004.

Divergence from the norm:

Due to the strong thermal load at the test rig, the outflow of tiny amounts of lubricants is unavoidable.

Bietigheim-Bissingen, 15.01.2020


Roland Kraus (General Management)