

Declaration of manufacturer Gears

Series	409F210xs
Test Lab / Client	Gerhard Geiger GmbH & Co.KG., Schleifmühle 6, 74321 Bietigheim-Bissingen, Germany
Standard	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	other awning (EN 13651)		
Gear type	bevel gear	Reduction ratio [i]	3:1
Torque M_s [Nm]	9	Efficiency [η]	0,54

Technical specifications

Forced operation test	carried		
Test effort P_F [N]	120 (21,6 Nm)	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, 20.06.2024


Roland Kraus (General Management)