



**Concerning the relationship test on wheel chocks according to norm DIN 76051
"Chocks for motor vehicles, semitrailers and towings"** (Version November 1992)

1. General Information

1.2 Type of Component Wheel Chock

1.3 Main dimensions (mm):
Length front support: a = 319 ± 0.5
Length post. support: b = 151 ± 0.5
Width of the chock: c = 201 ± 0.5
Height of the chock h = 230 ± 0.5
Antiskid dull: All on the chock's length with antiskid support made by steel
Turning radius of the area of contact with the tyre: r = 560 ± 0.8
Connection radius of the chock height: 25 ± 0.8

1.4 Making of antiskid dull: All on the chock's width

1.5 Making of handle: E Form

1.6 Material / Production procedure:
Polypropylene. (Moplen RP440 N)
As alternative:
- Polypropylene (Sabic PP PHC27)
- Polypropylene (Carmel TR 50)
- Polypropylene (Bormod BE961MO)
- Polypropylene (trippen TPO2077)
*All materials have executed to multicellular / tubular shape.
** The manufacturer declares that all materials as alternative have the same physical-chemical characteristics.

2. Test Conditions Schedule

2.1 Test description: The wheel chock test has been executed with a vehicle on a track test with a slope of 18%

2.2 Vehicle used for test: Mark: Scania Type R 580

2.3 Technical instrument used: MITUTOYO – Digital Protractor PRO 360

2.4 Ground track: Asphalt

2.5 Tyres, static radius: 535mm

2.6 Load wheel on the chock: Prescribed from DIN: 6500 kg
Effective load of the test: 7,270 kg

3. Test Results

The wheel chock tried has shown a sufficient stability with a wheel load equal to 7,270 kg

Its antiskid dulls are sufficient resistant.

Annotation:

The number of requirements that wheel chocks must satisfy according to DIN 76051 refer to steel material. Through the execution of the test contained in the norm it has been demonstrated equivalence between steel material and the material described in this technical report. The results of the test are satisfactory. The same test has been repeated with the alternative polypropylenes material and has given the same results.

4. Application field

On motor vehicle, semitrailers and towing with a static wheel load of max. 6,500 kg (axle load 13,000 kg) and with a static radius max. 530mm

5. Final Confirmation

The resistance of the wheel chocks is sufficient on conditions that the wheel chock corresponds to the tried sample.