

**Formula to calculate steering wheel angles:**

Original info and formula can be found at <http://www.ipacenotes.com/blog-21/knowledge/the-ipacenotes-steering-wheel/68>

angle M =  $\arcsin(\text{wheelbase} / (\text{corner radius} - \text{track} / 2)) * \text{steering ratio}$

Corner radius for Jemba style are: 1:14, 2:20, 3:29, 4:41, 5:65, 6:110

**2004 Subaru STI**

Wheelbase: 2.54m

Track width: 1.49m

Steering ratio: 15 to 1

Turn	Corner radius in meters	Angle in degrees
1	14	165.7
2	20	113.7
3	29	77.4
4	41	54.3
5	65	34.0
6	110	20.0

**2011 2500 HD extended cab standard box**

Wheelbase: 3.663m

Track width: 1.747m

Steering ratio: 16.1

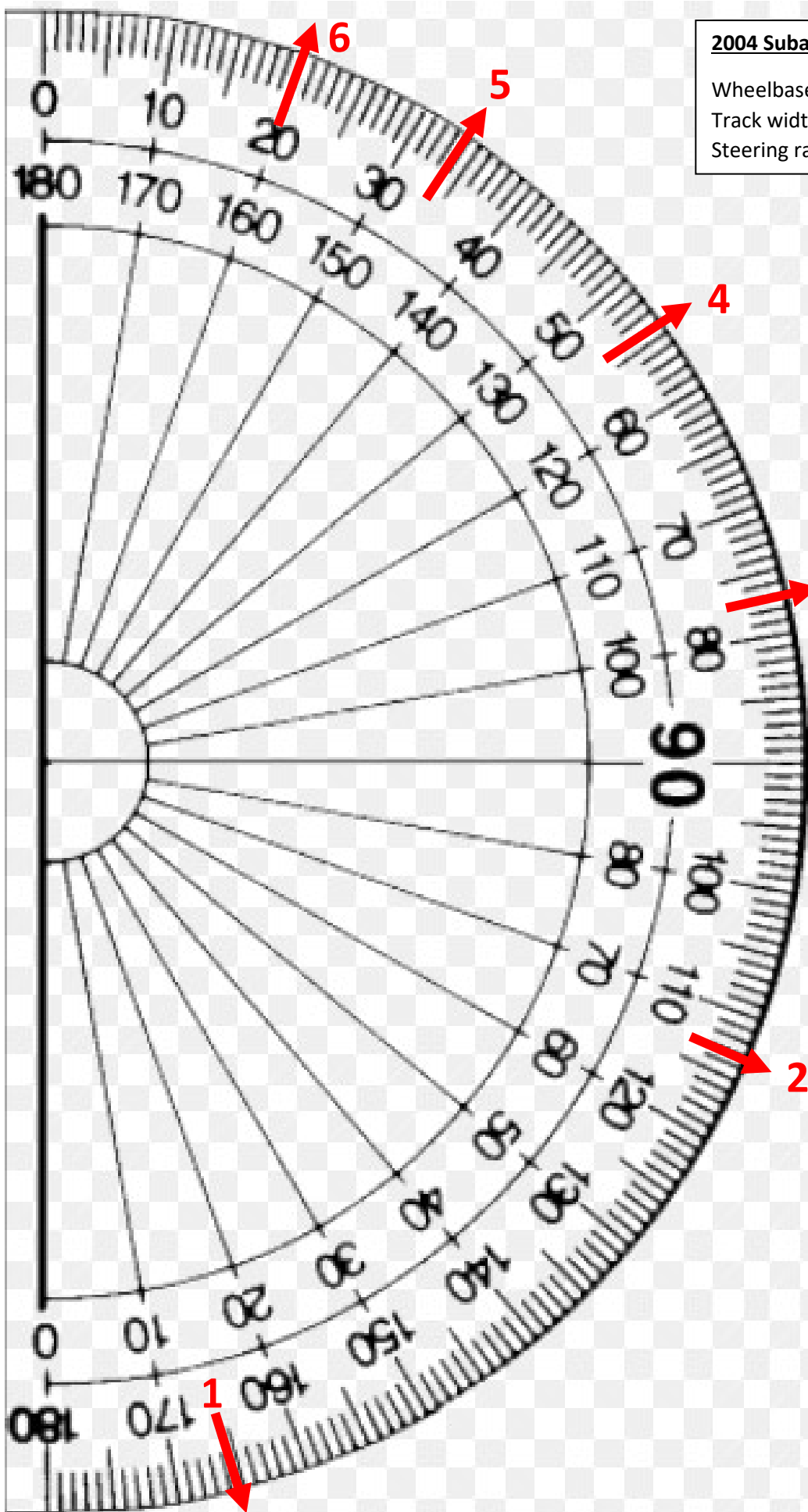
Turn	Corner radius in meters	Angle in degrees
1	14	259.3
2	20	176.6
3	29	119.7
4	41	83.8
5	65	52.4
6	110	30.8

**2004 Subaru STI**

Wheelbase: 2.54m

Track width: 1.49m

Steering ratio: 15 to 1



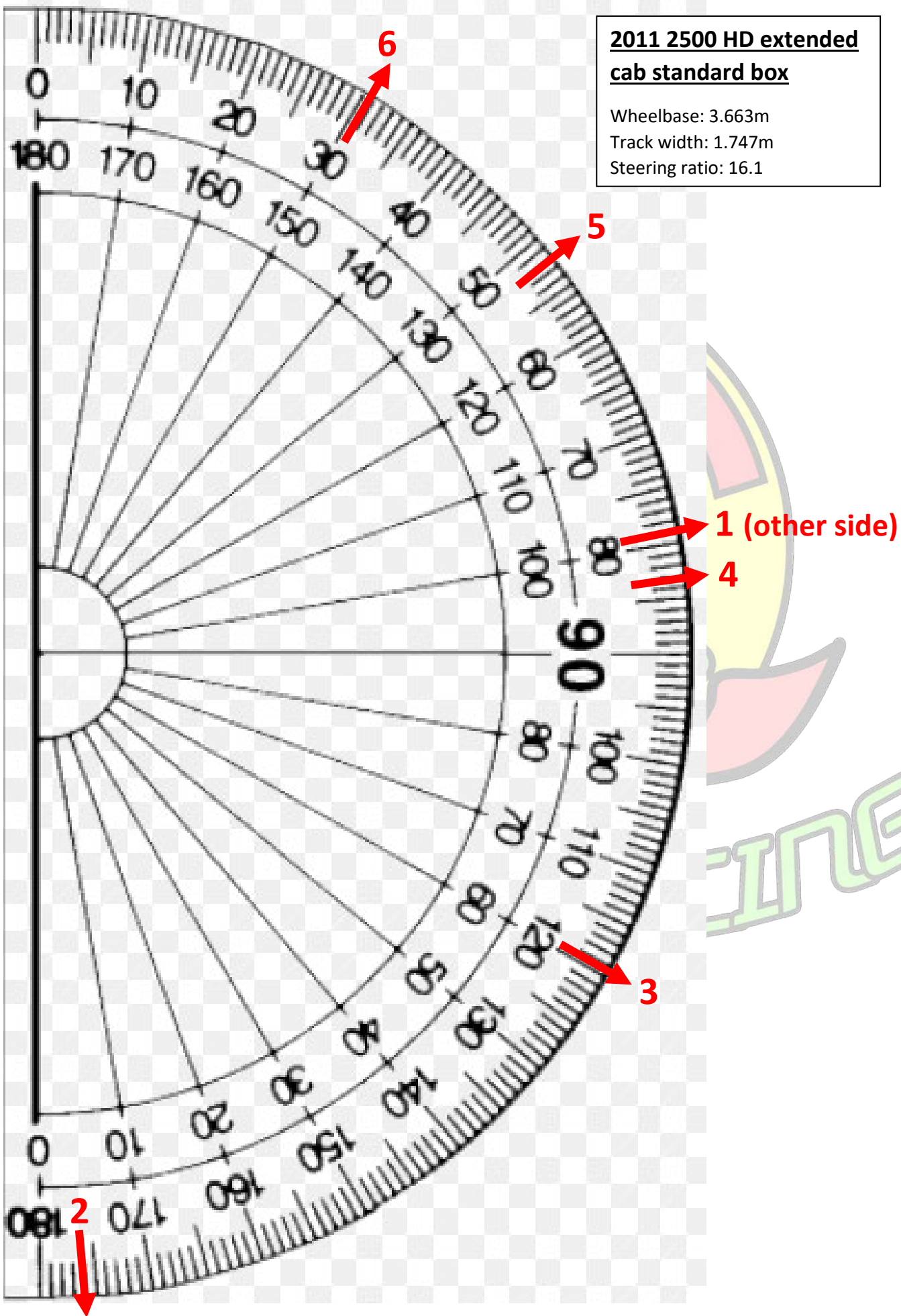


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