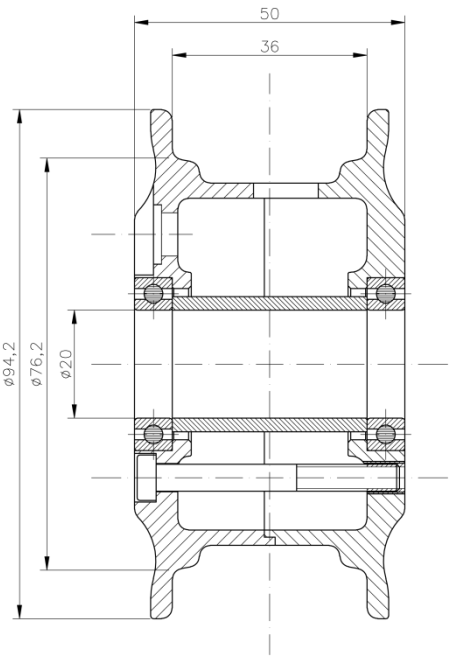
1. Manufacturer



Tost GmbH Flugzeuggerätebau München
Thalkirchner Straße 62
80337 München ♦ Deutschland

2. Type / Product

3“ landing wheel Moritz II

3. P/N

032112 for 12 mm axle diameter
032120 for 20 mm axle diameter
032502 for 12 mm axle diameter, made from brass
032501 for 20 mm axle diameter, made from brass

4. Characteristics

Split wheel hub
Threefold screwed
CNC-manufactured from solid metal
Maintenance free ball bearings
Axle diameter 12 or 20 mm
Spacer between bearings for axial bracing on axle or stub shaft
Wheel hub blue anodised (optional: red/black/silver) or natural brass
Material: Aluminium or brass

5. Dimensions / Weight

Installation width:	50 mm
Bearing diameter:	12 oder 20 mm
Weight:	
032112 with 12 mm axle diameter	335 g
032120 with 20 mm axle diameter	330 g
032502 with 12 mm axle diameter, made from brass	1510 g
032501 with 20 mm axle diameter, made from brass	1490 g

6. Application

Landing wheel for aircraft, tail wheel, support wheel

7. Operating Limits

Maximum static load	2 kN / 450 lbs
Maximum limit load:	8 kN / 1798 lbs

8. Marking

Part number, specification, manufacturer, serial number engraved in the wheel hub

9. Tire

Only tube-type tires are permitted

Tire 210x65 4 pr or 2.50-3 4 pr

Tube 210x65 (2.50-3) with bent valve 90°28G

The operating limits of the fitted tire must be regarded

Filling pressure has to be applied in accordance with the aircraft manufacturer manual and the according deflection curve

10. Tire installation

Unfold tube by inflating it slightly, place it in tire

Put wheel halve (valve hole side) on the tire/tube, stick valve through valve hole, screw on valve extension (with shortened thread P/N 069981) for temporary fixation

Place spacer in wheel halve (thread side) with centering axle (Ø 12 mm)

Place tire with up-pointing valve on wheel halve (thread side)

Match bolt holes with centering shaft (5 mm)

Tighten all three bolts with a calibrated torque wrench to the correct torque of 400 N/cm (3 ft-lbs)