

# Experimental unit CIBA

## (Cylinder in Bush Apparatus)



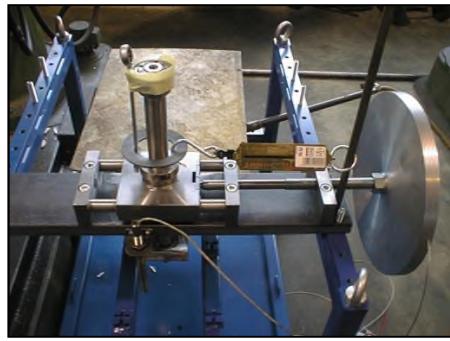
### In General

CIBA represents experimental units for various testing methods and procedures in PM-Tech., Materials design and Process Technology

### Application

Simulation of the bearing unit in liquid metal of a continuous hot dip galvanizing / aluminizing plant

- testing of PM-samples for glide-bearings made by MA, HIP and LPS in reality-like conditions:
- sample operation in liquid metal
- under controlled velocity
- under controlled tractive power
- under recorded temperature condition



### Dimensions

L x B/W x H	760 x 560 x 940 mm
net weight	125 kg
power supply	extern, S28
rotational speed (sample)	0 - 750 rpm
vertical range (sample)	90 mm
horizontal range (sample)	70 mm
cross-tension (horizontal)	0 – 1000 N
crucible volume	5.7 l (2x)
crucible heating	0 – 600 °C
sample cylinder	Ø 25 x 95 mm
sample connection	Ø 30 / 40 ss
temperature measurement	0 – 1000 °C

### Options

- heating gas / electrical
- temperature control
- torque measurement
- tension measurement

technical data subject to alterations