

# RON 255

integral coupling,  
sturdy die-cast housing,  
suited as angle encoder for  
rotary and tilting tables,  
accuracy  $\pm 5''$   
with 18 000 lines

# RON 255 C

distance-coded reference marks

# RON 255.001

hub bore  $22^{H7}$

Measuring step  $0.001^\circ$   
with 18 000 lines after 5-fold  
interpolation

Power supply 5 V

Output signals 2 sinusoidal  
incremental signals and 1 or  
36 reference signals per revolution,  
external interpolation and digitizing  
electronics

### Standard line counts

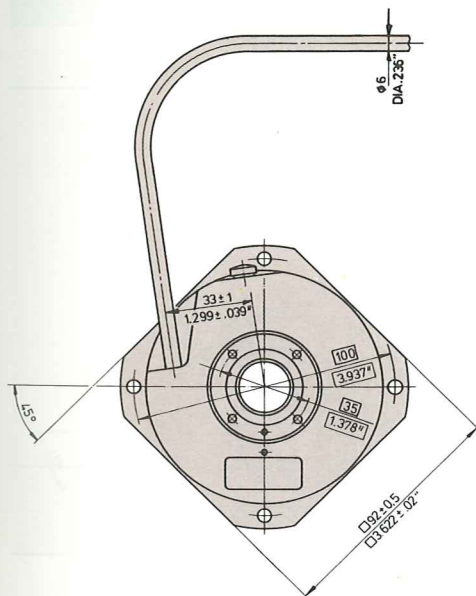
RON 255 6000/7854/8192/9000/  
10 000/10 800/12 500/16 384/18 000  
RON 255 C 18 000

## Mechanical Data

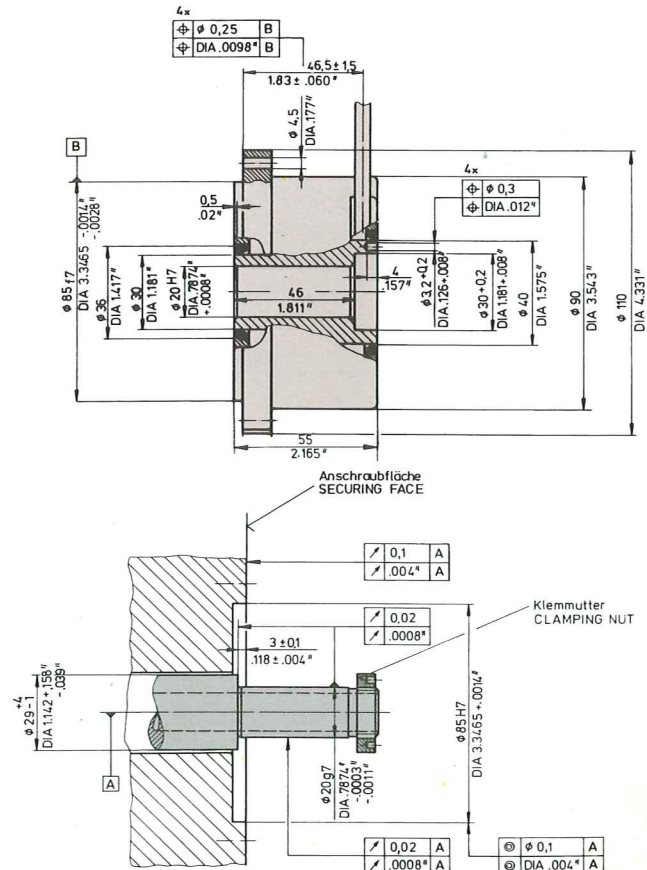
Shaft speed	max. 3000 rpm
Moment of inertia of rotor	$60 \times 10^{-6} \text{ kgm}^2$
Torque at 20° C (68° F)	$\leq 0.08 \text{ Nm}$
Weight	approx. 1 kg (2.2 lbs)
Type of protection	IP 64 according to IEC 529
Operating temperature	- 20 to 70° C (- 4 to 158° F)
Storage temperature	- 30 to 70° C (- 22 to 158° F)
Vibration (50 to 2000 Hz)	$\leq 100 \text{ m/s}^2$
Shock (11 ms)	$\leq 1000 \text{ m/s}^2$

## Dimensions

in mm/inch



erforderliche Anschlußmaße: RON nicht dargestellt  
REQD. DIMENSIONS: RON NOT ILLUSTRATED



A Lagerung  
A BALL BEARING