8 x ⌀ 5.50 THRU ALL
⌴ ⌀ 10.00 ↧ 5.00

⌀ 44.00

Straight-sided internal spline
6 teeth, parallel flanks
Based on DIN 5463, Class C fit

H7 +0.02
⌀ 13.00 0.00

⌖	0.01	A
⊥	0.02	B

P.C.D. ⌀16.00

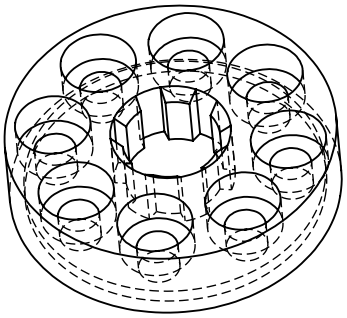
A A

B

D9 +0.06
6x 3.50 +0.03

⌀ 31.50

Ra 0.8



DETAIL B
SCALE 2 : 1

6x 1.50 X 45°

11.00 9.00

B

Ra 0.8

A

H7 +0.03
⌀ 40.00 0.00

SECTION A-A

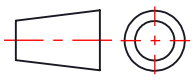
NOTES:
1. HEAT TREAT: QUENCHED AND TEMPERED TO 28–34 HRC
2. FINAL MACHINING AFTER HEAT TREATMENT UNLESS OTHERWISE SPECIFIED
3. 3D model avilable upon request

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: Ra 3.2 TOLERANCES: LINEAR: ISO 2768-m ANGULAR: ISO 2768-m	FINISH: NONE	DEBURR AND BREAK SHARP EDGES CHAMFER TAPPED HOLES TO DEPTH OF ONE THREAD	DO NOT SCALE DRAWING REVISION A

Cyberisner

	NAME	SIGNATURE	DATE
DRAWN	R. REYES		27/06/2025
CHK'D	R. REYES		27/06/2025
APPV'D			
MFG			
Q.A			

FIRST ANGLE PROJECTION



TITLE: X axis flange

Machine Name: Tennis Serve Machine

MATERIAL: 1.0503 (C45)

DWG NO. TSM_GIMBAL_003

A4

Assembly Name: Gimbal System.

WEIGHT: 68.67

SCALE:1:1

SHEET 1 OF 1