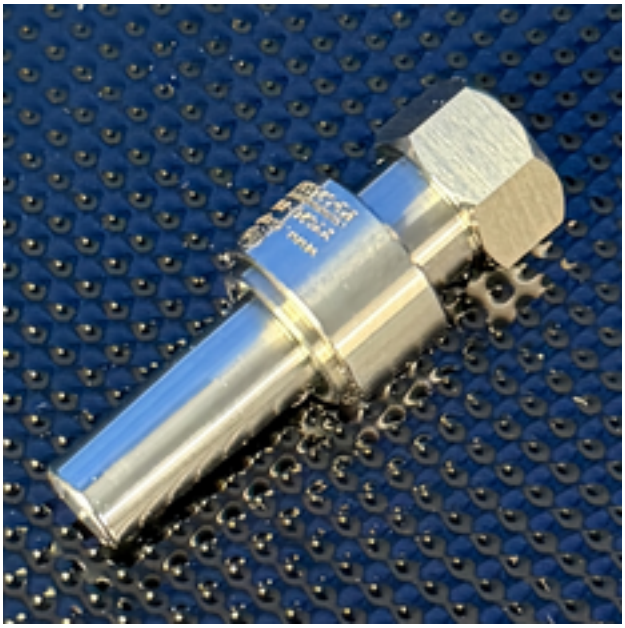
TECHNICAL DATASHEET / PRECISION REFERENCE COMPONENT

ISO 8637-2 Cone Reference Connector

Blood Socket Connector Testing | Model KP-8637F4

The KINGPO KP-8637F4 provides a defined 6:100 conical mating interface for blood socket connector testing associated with ISO 8637-2. It is a precision reference component used with compatible fixtures and the applicable laboratory procedure.



REFERENCE GEOMETRY

6:100

MATERIAL

440C Stainless Steel

HARDNESS

HRC 58-60

Reference component for a controlled mating interface; not a standalone pressure, leakage or force tester.

Product Specifications

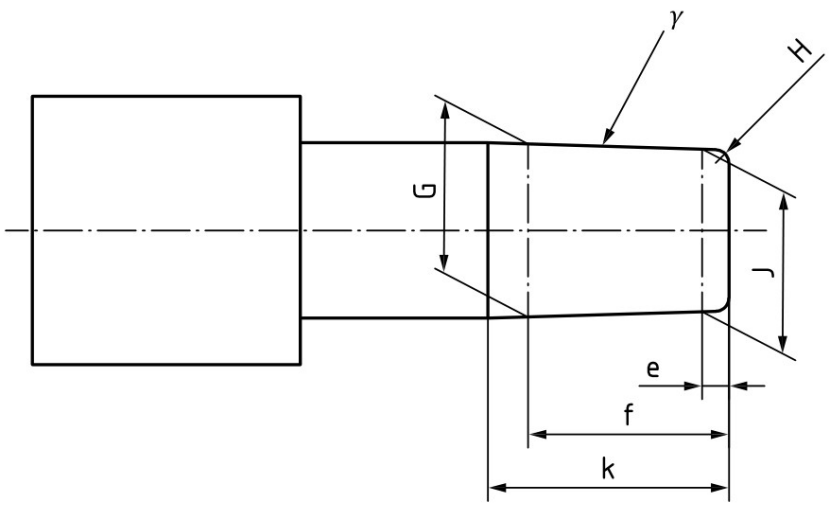
Product / Model	Cone Reference Connector / KP-8637F4
Applicable Standard	ISO 8637-2
Test Object	Blood socket connector
Primary Role	Defined mating reference for connector test arrangements
Reference Geometry	Cone reference connector dimensions (Table 4)
Taper Ratio	6:100
Material / Hardness	440C stainless steel / HRC 58-60
Critical Surface Roughness	Ra not exceeding 0.8 µm

The reference component establishes specified connector mating geometry. Any test force, pressure or acceptance measurement is provided by the applicable external test arrangement.

DIMENSIONAL REFERENCE / BLOOD SOCKET MATING GEOMETRY

Cone Geometry and Reference Dimensions

The conical reference interface is defined by the dimensional symbols and limits below. Dimensions in millimetres unless otherwise indicated.



REFERENCE CONE SCHEMATIC | PARAMETER SYMBOLS

Cone Reference Connector Dimensions

e - Reference length	1 mm nominal
f - Reference length	7 mm nominal
G - Cone dimension	6.444-6.449 mm
H - Edge radius	0.5 mm maximum
J - Cone dimension	6.054-6.059 mm
k - Minimum cone length	9 mm minimum
γ - Conical taper ratio	6:100

Laboratory Use and Ordering

APPLICATION

A defined conical mating component for compatible ISO 8637-2 blood socket connector test setups. Functional measurements require suitable external equipment.

BEFORE ORDERING

Confirm the standard edition, socket geometry, fixture connection and any dimensional or calibration documentation required by the laboratory.