



General Information:

Name:	test
Standard:	ISO 2340
Material:	C22E
Diameter [mm]:	14.0
Length [mm]:	60.0
Form:	B

Material Information:

Name:	C22E
Materialnumber:	1.1151
Denisty [kg/m ³]:	7180
Tensile strength [N/mm ²]:	340
Yield Stress [N/mm ²]:	500
Youngs Modulus [N/mm ²]:	210000
Type:	heat treatable steel

Computational Information:

Resulting Force [N]:	2000.0
Safty Factor [-]:	1.5
Application Factor [-]:	1.0
Connection Type:	double shear
Load Type:	static
Clamping Case:	Case 3 (oversized fit in rod and loose fit in fork)

Load Factor Bending [-]:	0.3
Load Factor Shear[-]:	0.2
Load Factor Preassure [-]:	0.35
Clamping Factor [-]:	1.1
Size Factor [-]:	1

Bending Moment [Nmm]:	20000.0
allowed Bending Stress [N/mm ²]:	150.0
Bending Stress [N/mm ²]:	74.24

allowed Shear Stress [N/mm ²]:	100.0
Shear Stress [N/mm ²]:	8.66

allowed Preassure [N/mm ²]:	175.0
Preassure Fork [N/mm ²]:	7.14
Preassure Rod [N/mm ²]:	3.57