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Point Q
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Stresses:
Ma = 125.371
Mm = 0.000
Ta = 0.000
Tm = 0.000

Endurance Limit
S'e = 26.500
ka = 0.845
kb = 0.760
kc = 1.000
Se = 17.019

Stress Concentrations
Kt = 2.700
Kts = 2.200
r = 0.063
sqrt(a) [bending] = 0.121
sqrt(a) [torsion] = 0.091
Kf = 2.146
Kfs = 1.881

#--- Solving for n using Goodman criterion ---#
Se = 17.019
Kf = 2.146
Goodman: n = 193.980

Endurance Limit
S'e = 26.500
ka = 0.845
kb = 0.760
kc = 1.000
Se = 17.019

Stress Concentrations
Kt = 2.700
Kts = 2.200
r = 0.063
sqrt(a) [bending] = 0.121
sqrt(a) [torsion] = 0.091
Kf = 2.146
Kfs = 1.881

#--- Solving for n using yielding criterion ---#
Se = 17.019
Kf = 2.146
yielding: n = 501.515

--------
Point R
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Stresses:
Ma = 292.532
Mm = 0.000
Ta = 0.000
Tm = 0.000

Endurance Limit
```

```
S'e = 26.500
ka = 0.845
kb = 0.757
kc = 1.000
Se = 16.958

Stress Concentrations
Kt = 1.700
Kts = 1.500
r = 0.322
sqrt(a) [bending] = 0.121
sqrt(a) [torsion] = 0.091
Kf = 1.577
Kfs = 1.431

#--- Solving for n using Goodman criterion ---#
Se = 16.958
Kf = 1.577
Goodman: n = 120.781

Endurance Limit
S'e = 26.500
ka = 0.845
kb = 0.757
kc = 1.000
Se = 16.958

Stress Concentrations
Kt = 1.700
Kts = 1.500
r = 0.322
sqrt(a) [bending] = 0.121
sqrt(a) [torsion] = 0.091
Kf = 1.577
Kfs = 1.431

#--- Solving for n using yielding criterion ---#
Se = 16.958
Kf = 1.577
yielding: n = 313.394

--------
Point S
--------

Stresses:
Ma = 376.112
Mm = 0.000
Ta = 0.000
Tm = 0.000

Endurance Limit
S'e = 26.500
ka = 0.845
kb = 0.816
kc = 1.000
Se = 18.282

Stress Concentrations
Kt = 1.700
Kts = 1.500
r = 0.199
sqrt(a) [bending] = 0.121
sqrt(a) [torsion] = 0.091
```

```
Kf = 1.551
Kfs = 1.415

#--- Solving for n using Goodman criterion ---#
Se = 18.282
Kf = 1.551
Goodman: n = 24.421

Endurance Limit
S'e = 26.500
ka = 0.845
kb = 0.816
kc = 1.000
Se = 18.282

Stress Concentrations
Kt = 1.700
Kts = 1.500
r = 0.199
sqrt(a) [bending] = 0.121
sqrt(a) [torsion] = 0.091
Kf = 1.551
Kfs = 1.415

#--- Solving for n using yielding criterion ---#
Se = 18.282
Kf = 1.551
yielding: n = 58.777

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Point T
--------

Stresses:
Ma = 283.023
Mm = 0.000
Ta = 0.000
Tm = 1487.780

Endurance Limit
S'e = 26.500
ka = 0.845
kb = 0.816
kc = 1.000
Se = 18.282

Stress Concentrations
Kt = 2.140
Kts = 3.000
r = 0.040
sqrt(a) [bending] = 0.121
sqrt(a) [torsion] = 0.091
Kf = 1.709
Kfs = 2.374

#--- Solving for n using Goodman criterion ---#
Se = 18.282
Kf = 1.709
Goodman: n = 9.254

Endurance Limit
S'e = 26.500
ka = 0.845
kb = 0.816
```

```
kc = 1.000
Se = 18.282

Stress Concentrations
Kt = 2.140
Kts = 3.000
r = 0.040
sqrt(a) [bending] = 0.121
sqrt(a) [torsion] = 0.091
Kf = 1.709
Kfs = 2.374

#--- Solving for n using yielding criterion ---#
Se = 18.282
Kf = 1.709
yielding: n = 9.675

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Point U
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Stresses:
Ma = 254.721
Mm = 0.000
Ta = 0.000
Tm = 1487.780

Endurance Limit
S'e = 26.500
ka = 0.845
kb = 0.816
kc = 1.000
Se = 18.282

Stress Concentrations
Kt = 5.000
Kts = 3.000
r = 0.010
sqrt(a) [bending] = 0.121
sqrt(a) [torsion] = 0.091
Kf = 2.808
Kfs = 2.048

#--- Solving for n using Goodman criterion ---#
Se = 18.282
Kf = 2.808
Goodman: n = 8.763

Endurance Limit
S'e = 26.500
ka = 0.845
kb = 0.816
kc = 1.000
Se = 18.282

Stress Concentrations
Kt = 5.000
Kts = 3.000
r = 0.010
sqrt(a) [bending] = 0.121
sqrt(a) [torsion] = 0.091
Kf = 2.808
Kfs = 2.048
```

```
#--- Solving for n using yielding criterion ---#
Se = 18.282
Kf = 2.808
yielding: n = 10.221

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Point V
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Stresses:
Ma = 198.116
Mm = 0.000
Ta = 0.000
Tm = 1487.780

Endurance Limit
S'e = 26.500
ka = 0.845
kb = 0.825
kc = 1.000
Se = 18.469

Stress Concentrations
No stress concentration, Kf = Kfs = 1.000

#--- Solving for n using Goodman criterion ---#
Se = 18.469
Kf = 1.000
Goodman: n = 16.705

Endurance Limit
S'e = 26.500
ka = 0.845
kb = 0.825
kc = 1.000
Se = 18.469

Stress Concentrations
No stress concentration, Kf = Kfs = 1.000

#--- Solving for n using yielding criterion ---#
Se = 18.469
Kf = 1.000
yielding: n = 17.324

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Point W
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Stresses:
Ma = 84.907
Mm = 0.000
Ta = 0.000
Tm = 1487.780

Endurance Limit
S'e = 26.500
ka = 0.845
kb = 0.825
kc = 1.000
Se = 18.469

Stress Concentrations
Kt = 2.700
```

```
Kts = 2.200
r = 0.036
sqrt(a) [bending] = 0.121
sqrt(a) [torsion] = 0.091
Kf = 2.039
Kfs = 1.812

#--- Solving for n using Goodman criterion ---#
Se = 18.469
Kf = 2.039
Goodman: n = 10.955

Endurance Limit
S'e = 26.500
ka = 0.845
kb = 0.825
kc = 1.000
Se = 18.469

Stress Concentrations
Kt = 2.700
Kts = 2.200
r = 0.036
sqrt(a) [bending] = 0.121
sqrt(a) [torsion] = 0.091
Kf = 2.039
Kfs = 1.812

#--- Solving for n using yielding criterion ---#
Se = 18.469
Kf = 2.039
yielding: n = 10.268

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Point X
--------

Stresses:
Ma = 0.000
Mm = 0.000
Ta = 0.000
Tm = 1487.780

Endurance Limit
S'e = 26.500
ka = 0.845
kb = 0.825
kc = 0.590
Se = 10.897

Stress Concentrations
Kt = 5.000
Kts = 3.000
r = 0.010
sqrt(a) [bending] = 0.121
sqrt(a) [torsion] = 0.091
Kf = 2.808
Kfs = 2.048

#--- Solving for n using Goodman criterion ---#
Se = 10.897
Kf = 2.808
Goodman: n = 11.759
```

```
Endurance Limit
S'e = 26.500
ka = 0.845
kb = 0.825
kc = 0.590
Se = 10.897

Stress Concentrations
Kt = 5.000
Kts = 3.000
r = 0.010
sqrt(a) [bending] = 0.121
sqrt(a) [torsion] = 0.091
Kf = 2.808
Kfs = 2.048

#--- Solving for n using yielding criterion ---#
Se = 10.897
Kf = 2.808
yielding: n = 9.762

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Point Y
--------

Stresses:
Ma = 0.000
Mm = 0.000
Ta = 0.000
Tm = 1487.780

Endurance Limit
S'e = 26.500
ka = 0.845
kb = 0.825
kc = 0.590
Se = 10.897

Stress Concentrations
No stress concentration, Kf = Kfs = 1.000

#--- Solving for n using Goodman criterion ---#
Se = 10.897
Kf = 1.000
Goodman: n = 24.077

Endurance Limit
S'e = 26.500
ka = 0.845
kb = 0.825
kc = 0.590
Se = 10.897

Stress Concentrations
No stress concentration, Kf = Kfs = 1.000

#--- Solving for n using yielding criterion ---#
Se = 10.897
Kf = 1.000
yielding: n = 19.988

--------
Point Z
--------
```

```
Stresses:
Ma = 0.000
Mm = 0.000
Ta = 0.000
Tm = 1487.780

Endurance Limit
S'e = 26.500
ka = 0.845
kb = 0.825
kc = 0.590
Se = 10.897

Stress Concentrations
Kt = 2.140
Kts = 3.000
r = 0.036
sqrt(a) [bending] = 0.121
sqrt(a) [torsion] = 0.091
Kf = 1.697
Kfs = 2.354

#--- Solving for n using Goodman criterion ---#
Se = 10.897
Kf = 1.697
Goodman: n = 10.229

Endurance Limit
S'e = 26.500
ka = 0.845
kb = 0.825
kc = 0.590
Se = 10.897

Stress Concentrations
Kt = 2.140
Kts = 3.000
r = 0.036
sqrt(a) [bending] = 0.121
sqrt(a) [torsion] = 0.091
Kf = 1.697
Kfs = 2.354

#--- Solving for n using yielding criterion ---#
Se = 10.897
Kf = 1.697
yielding: n = 8.492
```