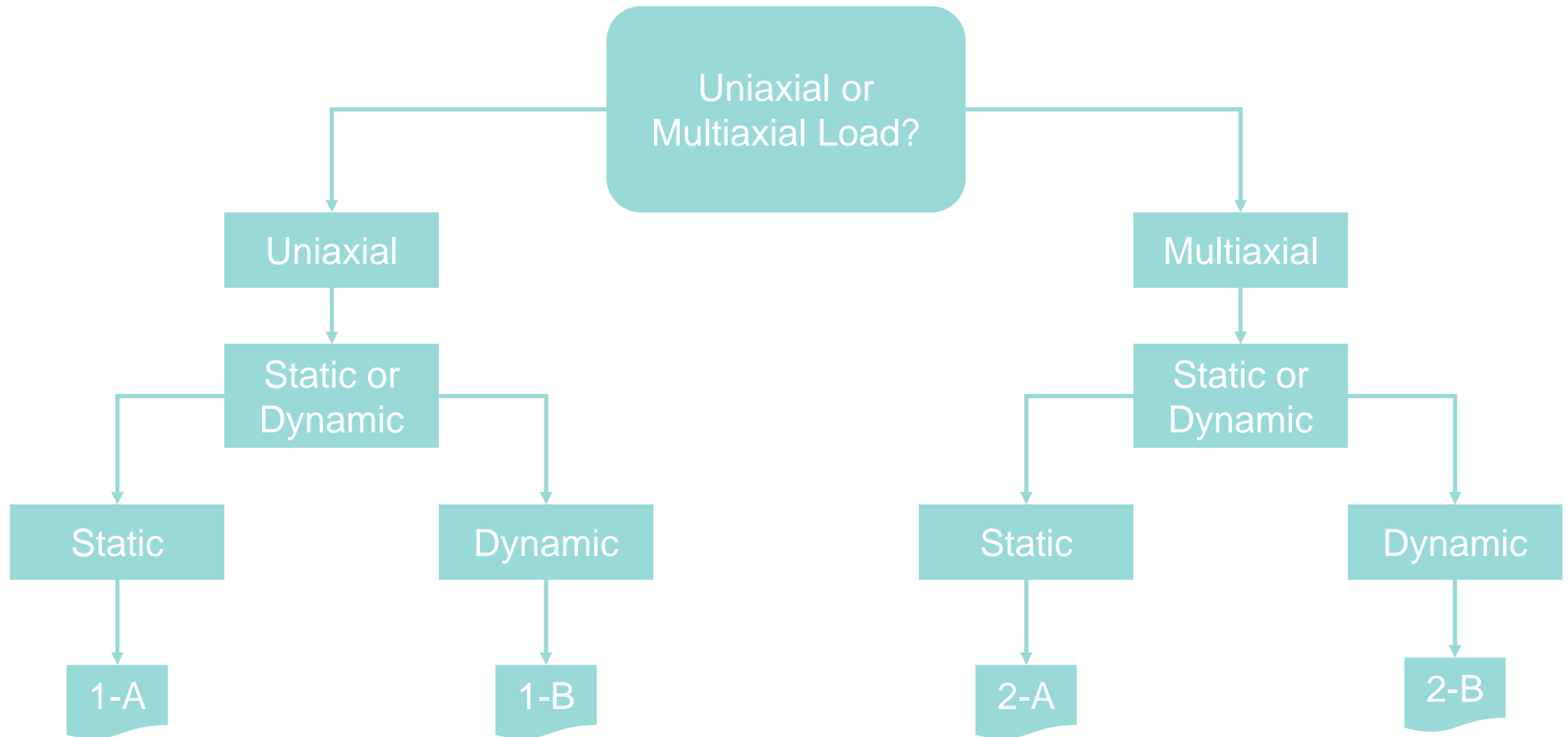
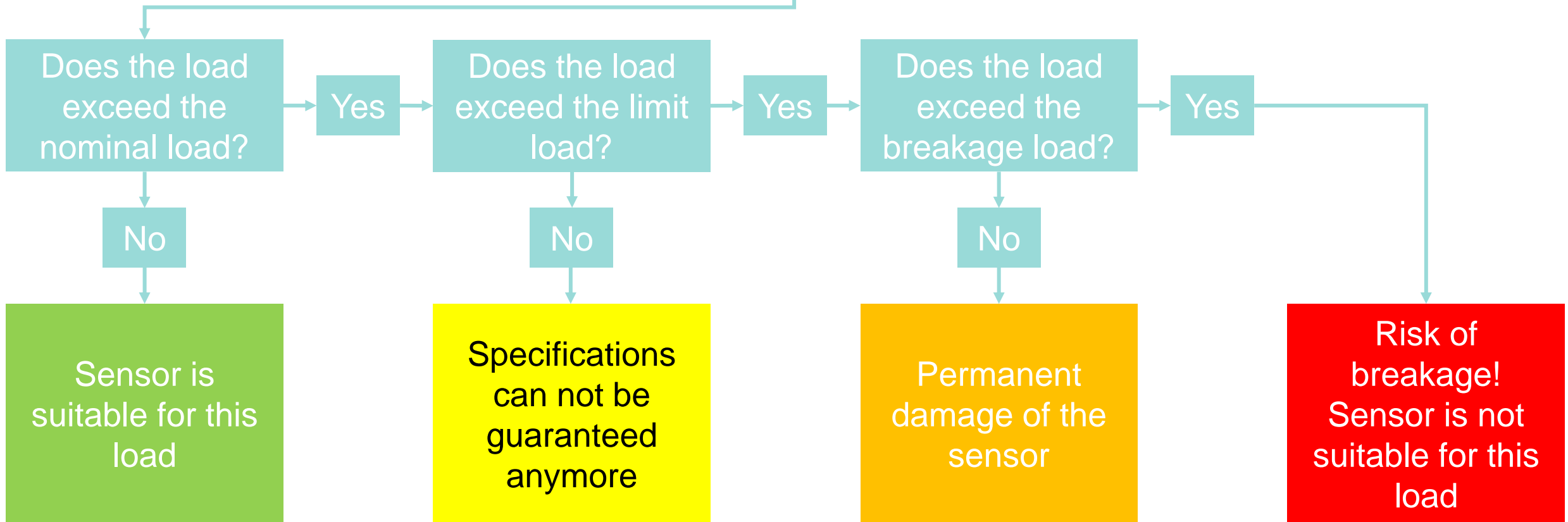


Flowchart Load Situations

NAVIGATION AID FOR MULTICOMPONENT SENSORS



1-A
Uniaxial - Static



1-B
Uniaxial - Dynamic

Pulsating or
Alternating?

Pulsating

Alternating

Calculate LRS

Calculate LRS

Is the criterion for the fatigue
strength range at multiaxial
pulsating load fulfilled?

Is the criterion for the fatigue
strength range at multiaxial
alternating load fulfilled?

Yes

No

Yes

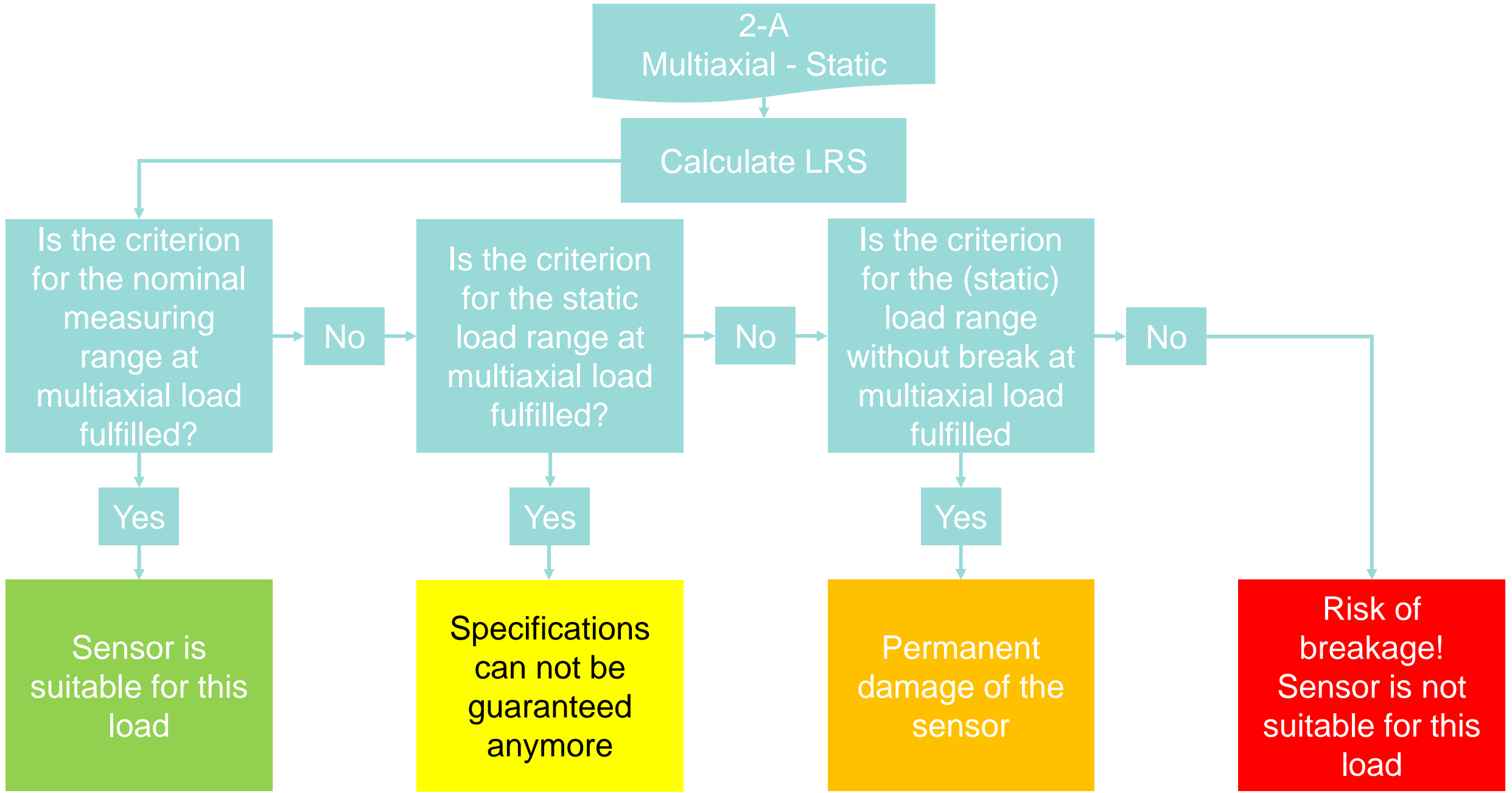
No

Sensor is
suitable for this
load

Risk of
breakage!
Sensor is not
suitable for this
load

Sensor is
suitable for this
load

Risk of
breakage!
Sensor is not
suitable for this
load



2-B
Multiaxial - Dynamic

Pulsating or
Alternating?

Pulsating

Alternating

Calculate LRS

Calculate LRS

Is the criterion for the fatigue strength range at multiaxial pulsating load fulfilled?

Is the criterion for the fatigue strength range at multiaxial alternating load fulfilled?

Yes

No

Yes

No

Sensor is suitable for this load

Risk of breakage!
Sensor is not suitable for this load

Sensor is suitable for this load

Risk of breakage!
Sensor is not suitable for this load