

**(a)**

Fastener: zero length spring

Rail

Track plate

Base plate

Girder

Rigid arm

Track plate

Shear rebar

CA mortar layer

Transverse block

Base plate

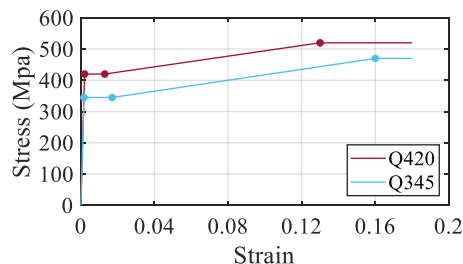
Base plate

Shear groove

Sliding layer

Transverse block

Girder

**(b)****(c)**

Sliding layer

CA mortar layer

Fastener

Girder

Rail

Track plate

Base plate

