Parameters Regarding Structural Fasteners

Design of Steel Structures

A row of rivets along the direction of stress is

a. Rivet line
b. Gauge line
c. Fastener line
d. Any of the above

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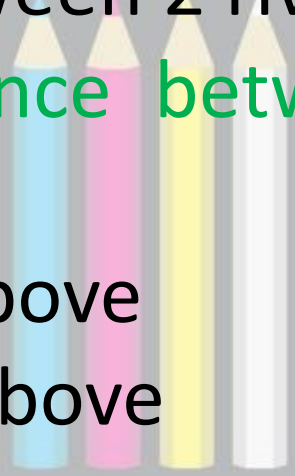
Gauge is

a. Distance between 2 rivet holes
b. Normal distance between 2 adjacent gauge lines
c. Both of the above
d. None of the above



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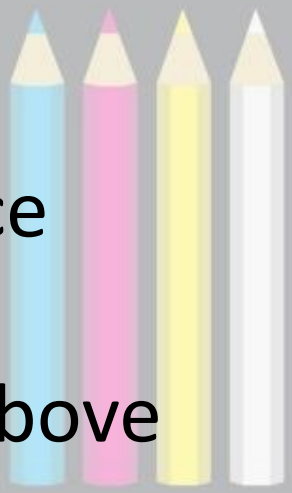
Distance between edge of member and rivet hole's centre is called

a. End distance
b. Gauge distance
c. Edge distance
d. None of the above



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In HSFG bolts, the initial tension is called as

a. Proof load
b. Safe load
c. Minimum load
d. Critical load

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Packing or filler plates are inserted…

a. Outside the cover plates
b. Outside the main plate and under the cover plates
c. When cover plates are too thick for rhe section
d. When cover plates are too thin for the section

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Packing or filler plates are used for

a. Increasing the strength of the section
b. Compensating thinness of main plate
c. Flushing the main plate in the joint correctly
d. All of the above

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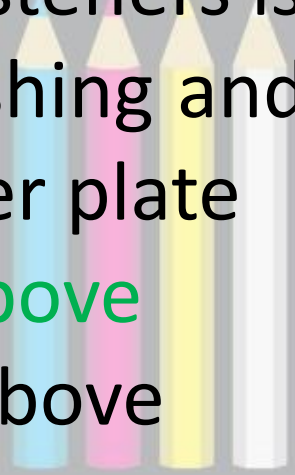
When packing rivets are used in a joint

a. Bending of fasteners is avoided
b. Complete flushing and packing of main plate with filler plate
c. Both of the above
d. None of the above



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Slip factor is

a. Probability of slipping of fasteners
b. Probability of slipping of main plate from packing
c. Coefficient of friction in friction type joint
d. None of the above

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Distance between centre of rivet/bolt hole and edge of an element measured parallel to direction of stress is

a. End distance
b. Lap distance
c. Gauge line distance
d. None of the above

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