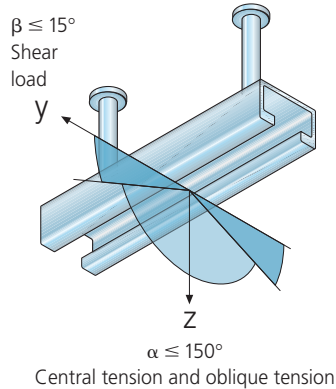


*Stress ranges and load spacings in accordance with the Building Approval*

**Stress ranges of the anchor channels JTA**

**at right angles to the channel longitudinal axis**

JORDAHL® anchor channels JTA are able to absorb central tension, oblique tension and shear load in accordance with the stress ranges illustrated. In this case, the resultant load must not exceed the permissible loads according to the table alongside.



$$\sqrt{F_z^2 + F_y^2} \leq \text{perm. } F$$

For dynamic loads, the following anchor channels are approved:

- JTA W 74/48
- JTA W 53/34
- JTA W 50/30
- JTA W 40/22

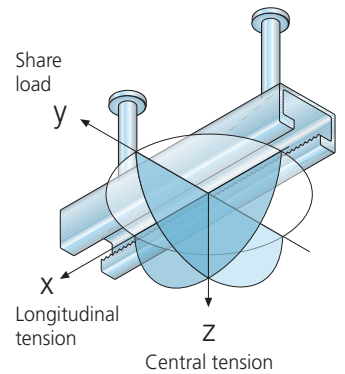
**Building Approval**  
JTA: Z-21.4-151

If dimensioned in accordance with EC2, the design value for profile and bolt is to be applied as follows:  
 $F_{Rd} = \text{perm. } F \times 1.4$

**Stress ranges of the anchor channels JXA and JZA**

**in all directions**

In conjunction with toothed bolts, JORDAHL® anchor channels are able to absorb loadings in all directions. They are approved by the German Institute for Structural Engineering for loads in the channels longitudinal direction. In the event of simultaneous stressing in a plurality of directions, the resultant load must not exceed the permissible loads.



$$\sqrt{F_x^2 + F_z^2 + F_y^2} \leq \text{perm. } F$$

For dynamic loads, the following anchor channels are approved:

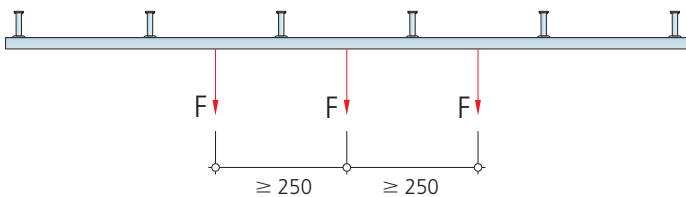
- JXA W 38/23
- JXA W 29/20

**Building Approval:**  
JXA: Z-21.4-1690  
JZA: Z-21.4-741

**Load arrangement**

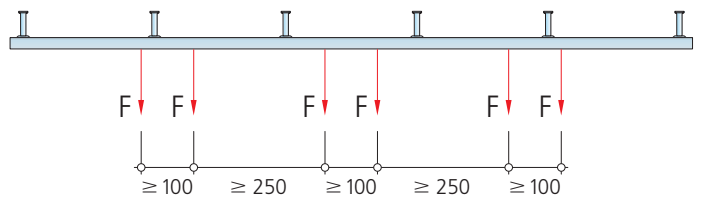
**Figure a**

Single loads JTA, JZA, JXA



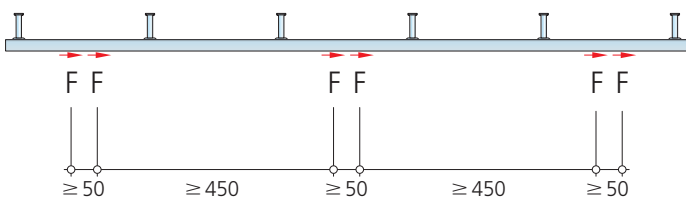
**Figure b**

Load pairs JTA, JZA



**Figure c**

Load pairs JZA, special case only for pure longitudinal (x) tension<sup>6)</sup>



**Figure d**

Load pairs JXA in all directions<sup>7)</sup>

