

[illegible]

ZSS

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Diagram illustrating the forces and moments acting on a beam element. The forces shown are $+F_x$, $+F_y$, and $+F_z$. The moments shown are $+M_x$, $+M_y$, and $+M_z$.

	ZSS
Forces	Dynamic [N]
$F_x^{(d)}$	4000
F_y	3200
F_z	7500
$-F_z$	5000
Moments	Dynamic [Nm]
M_x	600
M_y	1200 (1700)
M_z	1200 (1700)

The graph shows the relationship between the x-component of the force F_x and the traversing speed v . The force decreases as the speed increases, starting from 4000 N at 0 m/s and approaching 2450 N at 5 m/s.