

Attachment

Ch 9, Sec 5, [5.5.1]

We would like to confirm a way to apply the requirement of this sub-paragraph to a structural member shown in the attachment.

(1) Which position, A, B or C, shown in Figure, is to be selected to calculate w_0 and I_0 ?

We consider that position B is suitable for this requirement. Please confirm.

(2) Which position, A, B, C or else, is to be considered when the requirement of net section modulus of ordinary stiffeners, w , is applied?

We consider that position A is appropriate for this requirement. Please confirm.

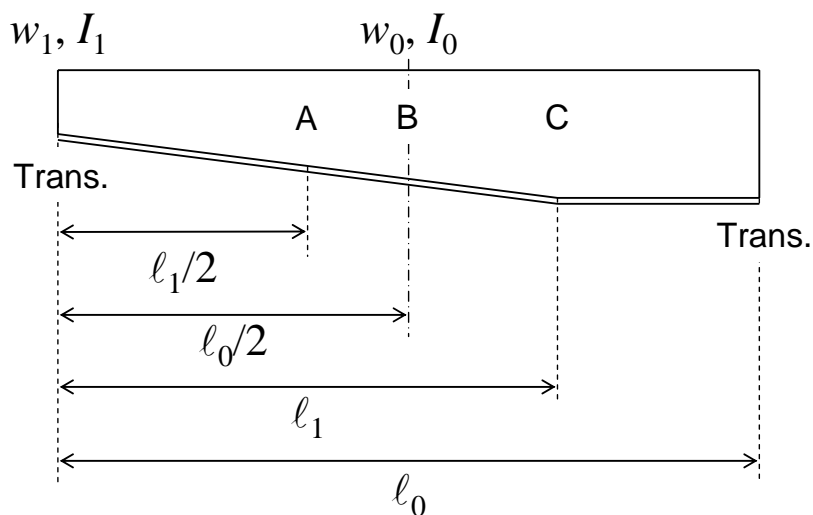


Figure : Variable cross-section stiffener

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$w=(aaa) \times w_{CS}$

Calculation of the factor inside the brackets "aaa"

alpha=l_1/l_0	psi=w1/w0	faktor	alpha=l_1/l_0	psi=w1/w0	faktor	alpha=l_1/l_0	psi=w1/w0	faktor	alpha=l_1/l_0	psi=w1/w0	faktor
0	0.5	0.667	0	0.1	0.182	0	0	-1.000	0	1	0.757
0.1	0.5	0.749	0.1	0.1	0.473	0.1	0	-0.200	0.1	1	0.800
0.2	0.5	0.831	0.2	0.1	0.764	0.2	0	0.600	0.2	1	0.843
0.3	0.5	0.913	0.3	0.1	1.055	0.3	0	1.400	0.3	1	0.886
0.4	0.5	0.995	0.4	0.1	1.345	0.4	0	2.200	0.4	1	0.930
0.5	0.5	1.077	0.5	0.1	1.636	0.5	0	3.000	0.5	1	0.973
0.6	0.5	1.159	0.6	0.1	1.927	0.6	0	3.800	0.6	1	1.016
0.7	0.5	1.241	0.7	0.1	2.218	0.7	0	4.600	0.7	1	1.059
0.8	0.5	1.323	0.8	0.1	2.509	0.8	0	5.400	0.8	1	1.103
0.9	0.5	1.405	0.9	0.1	2.800	0.9	0	6.200	0.9	1	1.146
1	0.5	1.487	1	0.1	3.091	1	0	7.000	1	1	1.189

alpha=l_1/l_0	psi=w1/w0	faktor	alpha=l_1/l_0	psi=w1/w0	faktor	alpha=l_1/l_0	psi=w1/w0	faktor	alpha=l_1/l_0	psi=w1/w0	faktor
0.5	0	3.000	0.25	0	1.000	0.1	0	-0.200	0.01	0	-0.920
0.5	0.1	1.636	0.25	0.1	0.909	0.1	0.1	0.473	0.01	0.1	0.211
0.5	0.2	1.333	0.25	0.2	0.889	0.1	0.2	0.622	0.01	0.2	0.462
0.5	0.3	1.200	0.25	0.3	0.880	0.1	0.3	0.688	0.01	0.3	0.573
0.5	0.4	1.125	0.25	0.4	0.875	0.1	0.4	0.725	0.01	0.4	0.635
0.5	0.5	1.077	0.25	0.5	0.872	0.1	0.5	0.749	0.01	0.5	0.675
0.5	0.6	1.043	0.25	0.6	0.870	0.1	0.6	0.765	0.01	0.6	0.703
0.5	0.7	1.019	0.25	0.7	0.868	0.1	0.7	0.777	0.01	0.7	0.723
0.5	0.8	1.000	0.25	0.8	0.867	0.1	0.8	0.787	0.01	0.8	0.739
0.5	0.9	0.985	0.25	0.9	0.866	0.1	0.9	0.794	0.01	0.9	0.751
0.5	1	0.973	0.25	1	0.865	0.1	1	0.800	0.01	1	0.761