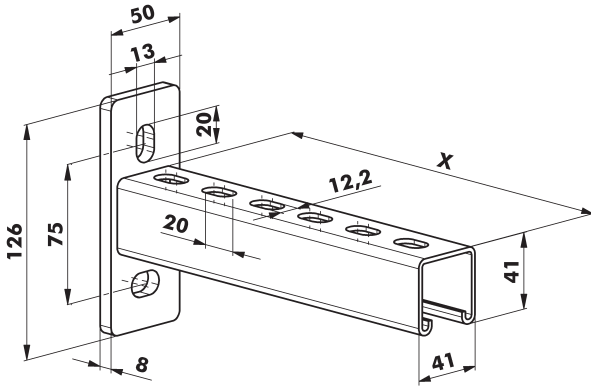


Load on C-profile 41/41/2.5 bracket						Perm. load ($F_{perm, bra}$) for bracket with dowel or anchor type used					
						Screw anchor		Fixed anchor		Injection system	
						$F_{perm}^{1)}$ Individual anchor, at axial distance 80 mm and $\geq$ min BK C20/25 without edge influence					
						in kN	in kN	in kN	in kN	in kN	in kN
						2.79	3.51	3.10	4.03	5.78	8.19
						W-SA ...A4 / 15 / M 10	W-SA ...A4 / 15 / M 12	W-FAZ / S ...A4...HRC / 15 / M10	W-FAZ / S ...A4...HRC / 15 / M12	W-VIZ / S ...A4...HRC / M10-10/85	W-VIZ / S ...A4...HRC / M12-10/110
Load cases	Bracket				Anchor						
Loading case 0 	Effect. length X+8 in mm	Type length Li in mm	Limit torque $T_{perm, bra}$ in kNm	Maximum load q_{bra} in kN/m	Anchor pull-out force F_{anc} With q_{bra} in kN	in kN/m	in kN/m	in kN/m	in kN/m	in kN/m	in kN/m
	315	300	0.43	8.76	4.1	5.62	7.07	6.24	8.11	8.76	8.76
	455	450	0.43	4.20	4.1	2.73	3.44	3.04	3.95	4.20	4.20
	630	600	0.43	2.19	4.1	1.44	1.81	1.60	2.08	2.19	2.19
	770	750	0.43	1.47	4.1	0.97	1.22	1.08	1.40	1.47	1.47
Loading case 1 	Effect. length X+8 in mm	Type length Li in mm	Limit torque $T_{perm, bra}$ in kNm	Maximum load $F_{1, bra}$ in kN	Anchor pull-out force F_{anc} with $F_{1, bra}$ in kN	in kN	in kN	in kN	in kN	in kN	in kN
	315	300	0.43	2.76	4.1	1.86	2.34	2.07	2.69	2.76	2.76
	455	450	0.43	1.91	4.1	1.29	1.62	1.43	1.86	1.91	1.91
	630	600	0.43	1.38	4.1	0.93	1.17	1.03	1.34	1.38	1.38
	770	750	0.43	1.13	4.1	0.76	0.96	0.85	1.10	1.13	1.13
Loading case 2 	Effect. length X+8 in mm	Type length Li in mm	Limit torque $T_{perm, bra}$ in kNm	Maximum load $F_{1, bra}$ in kN	Anchor pull-out force F_{anc} with $F_{1, bra}$ in kN	in kN	in kN	in kN	in kN	in kN	in kN
	315	300	0.43	1.38	4.1	0.93	1.17	1.03	1.34	1.38	1.38
	455	450	0.43	0.96	4.1	0.64	0.81	0.72	0.93	0.96	0.96
	630	600	0.43	0.69	4.1	0.47	0.59	0.52	0.67	0.69	0.69
	770	750	0.43	0.56	4.1	0.38	0.48	0.42	0.55	0.56	0.56
Loading case 3 	Effect. length X+8 in mm	Type length Li in mm	Limit torque $T_{perm, bra}$ in kNm	Maximum load $F_{2, bra}$ in kN	Anchor pull-out force F_{anc} with $F_{2, bra}$ in kN	in kN	in kN	in kN	in kN	in kN	in kN
	315	300	0.43	1.38	4.1	0.93	1.17	1.03	1.34	1.38	1.38
	455	450	0.43	0.96	4.1	0.64	0.81	0.72	0.93	0.96	0.96
	630	600	0.43	0.69	4.1	0.47	0.59	0.52	0.67	0.69	0.69
	770	750	0.43	0.56	4.1	0.38	0.48	0.42	0.55	0.56	0.56
Loading case 4 	Effect. length X+8 in mm	Type length Li in mm	Limit torque $T_{perm, bra}$ in kNm	Maximum load $F_{3, bra}$ in kN	Anchor pull-out force F_{anc} with $F_{3, bra}$ in kN	in kN	in kN	in kN	in kN	in kN	in kN
	315	300	0.43	0.92	4.1	0.62	0.78	0.69	0.90	0.92	0.92
	455	450	0.43	0.64	4.1	0.43	0.54	0.48	0.62	0.64	0.64
	630	600	0.43	0.46	4.1	0.31	0.39	0.34	0.45	0.46	0.46
	770	750	0.43	0.38	4.1	0.25	0.32	0.28	0.37	0.38	0.38

Legend: Please note!

Identical to bracket!

$F_{perm, bra}$

$F_{perm, bra}$

...¹⁾

...¹⁾

δ_{perm}

XXX

Reduced load values for brackets

Corresponds to the maximum load value of the brackets

F_{Rd} DIBt approval of dimensioning method A converted to B

F_{Rd} DIBt approval of dimensioning method B

Deflection deformation $L / 100$

Stainless steel marking