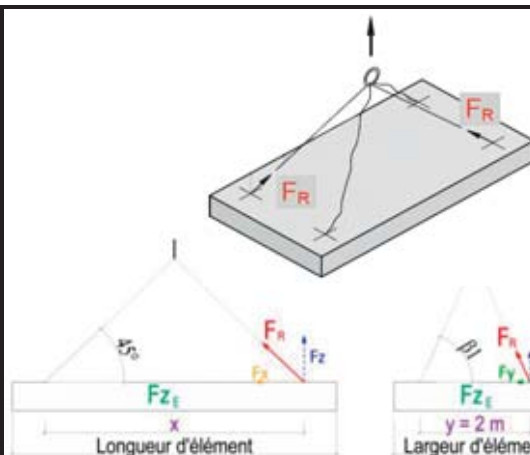
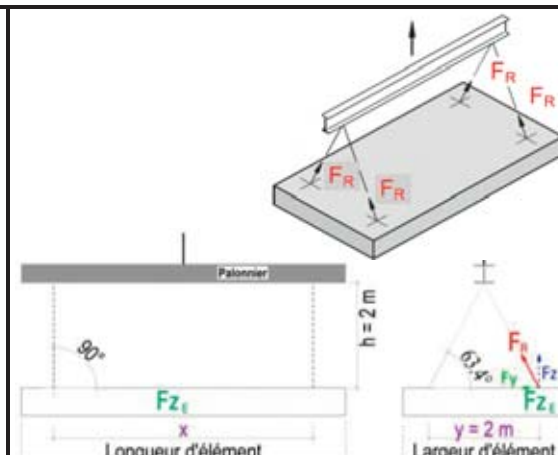


# Charges de levage d'éléments de plancher

## Valeur caractéristique de la charge de l'élément Fz-E [kN]

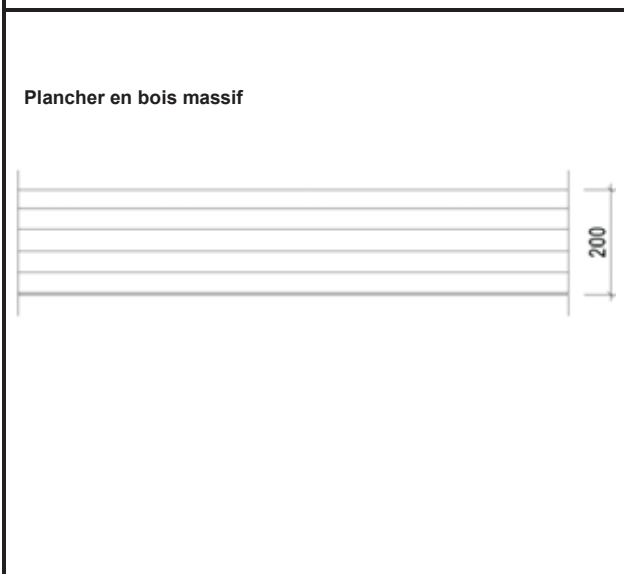
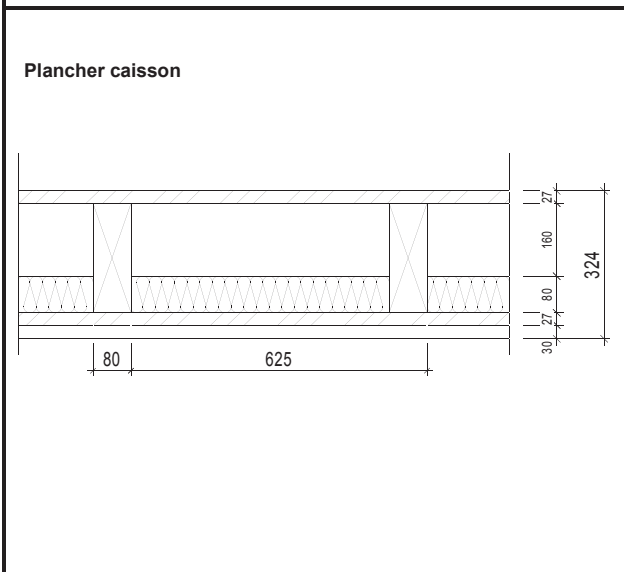
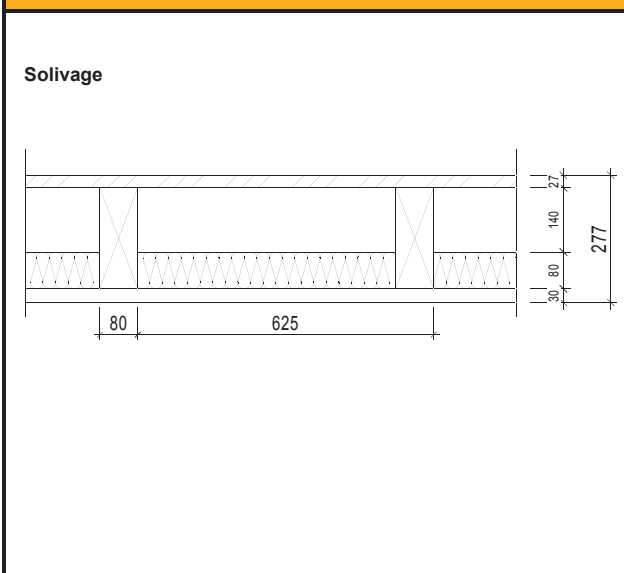


Nombre de points d'arrimage porteurs: 2 pcs



Nombre de points d'arrimage porteurs: 4 pcs

**Matériaux:** Revêtement en panneau 3-plis avec collage statiquement 15 kg/m<sup>2</sup>, Solivage 500 kg/m<sup>3</sup>, isolation intermédiaire en fibre minérale 60 kg/m<sup>3</sup>, grille d'installation 2 kg/m<sup>2</sup> (a = 500 mm).



Poids de l'élément [kN/m <sup>2</sup> ]	Largeur d'élément [m]	Longueur d'élément [m]																					
		x =	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	x =	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0
0.35	2	Fz-E	3.5	4.2	4.9	5.6	6.3	7.0	7.7	8.4	9.1	9.8	Fz-E	3.5	4.2	4.9	5.6	6.3	7.0	7.7	8.4	9.1	9.8
		Fz	1.8	2.1	2.5	2.8	3.2	3.5	3.9	4.2	4.6	4.9	Fz	0.9	1.1	1.3	1.4	1.6	1.8	2.0	2.1	2.3	2.5
		Fx	1.8	2.1	2.5	2.8	3.2	3.5	3.9	4.2	4.6	4.9											
	2.5	Fz-E	2.8	3.2	3.7	4.1	4.6	5.0	5.6	6.0	6.6	7.0	Fz-E	1.2	1.7	2.2	2.6	3.3	4.1	5.0	5.8	6.8	8.0
		Fz	4.4	5.3	6.2	7.0	7.9	8.8	9.7	10.5	11.4	12.3	Fz	4.4	5.3	6.2	7.0	7.9	8.8	9.7	10.5	11.4	12.3
		Fx	2.2	2.7	3.1	3.5	4.0	4.4	4.9	5.3	5.7	6.2	Fx	1.1	1.4	1.6	1.8	2.0	2.2	2.5	2.7	2.9	3.1
	3	Fz-E	2.7	3.2	3.7	4.2	4.8	5.3	5.8	6.3	6.9	7.4	Fz-E	1.5	1.4	1.2	1.1	1.1	1.1	1.0	1.0		
		Fz	2.2	2.7	3.1	3.5	4.0	4.4	4.9	5.3	5.7	6.2	Fz	0.6	0.7	0.8	0.9	1.0	1.1	1.3	1.4	1.5	1.6
		Fx	3.4	4.1	4.6	5.1	5.8	6.3	7.0	7.6	8.1	8.8	Fx	1.5	2.1	2.7	3.4	4.2	5.0	6.3	7.4	8.6	9.9
	3.5	Fz-E	5.3	6.3	7.4	8.4	9.5	10.5	11.6	12.6	13.7	14.7	Fz-E	5.3	6.3	7.4	8.4	9.5	10.5	11.6	12.6	13.7	14.7
		Fz	2.7	3.2	3.7	4.2	4.8	5.3	5.8	6.3	6.9	7.4	Fz	1.4	1.6	1.9	2.1	2.4	2.7	2.9	3.2	3.5	3.7
		Fx	2.7	3.2	3.7	4.2	4.8	5.3	5.8	6.3	6.9	7.4	Fx	0.7	0.8	1.0	1.1	1.2	1.4	1.5	1.6	1.8	1.9
0.51	2	Fz-E	6.2	7.4	8.6	9.8	11.1	12.3	13.5	14.7	16.0	17.2	Fz-E	6.2	7.4	8.6	9.8	11.1	12.3	13.5	14.7	16.0	17.2
		Fz	3.1	3.7	4.3	4.9	5.6	6.2	6.8	7.4	8.0	8.6	Fz	1.6	1.9	2.2	2.5	2.8	3.1	3.4	3.7	4.0	4.3
		Fx	3.1	3.7	4.3	4.9	5.6	6.2	6.8	7.4	8.0	8.6	Fx	0.8	1.0	1.1	1.3	1.4	1.6	1.7	1.9	2.0	2.2
	2.5	Fz-E	4.8	5.6	6.3	7.1	8.1	8.9	9.7	10.6	11.4	12.2	Fz-E	2.2	2.9	3.7	4.7	5.8	7.1	8.5	10.1	11.9	13.8
		Fz	5.1	6.2	7.2	8.2	9.2	10.2	11.3	12.3	13.3	14.3	Fz	5.1	6.2	7.2	8.2	9.2	10.2	11.3	12.3	13.3	14.3
		Fx	2.6	3.1	3.6	4.1	4.6	5.1	5.7	6.2	6.7	7.2	Fx	1.3	1.6	1.8	2.1	2.3	2.6	2.9	3.1	3.4	3.6
	3	Fz-E	1.7	1.6	1.4	1.4	1.3	1.3	1.2	1.2	1.2	Fz-E	0.7	0.8	0.9	1.1	1.2	1.3	1.5	1.6	1.7	1.8	
		Fz	4.1	4.7	5.3	6.0	6.6	7.3	8.2	8.9	9.6	10.3	Fz	1.8	2.4	3.0	3.9	4.8	6.0	7.3	8.5	10.1	11.5
		Fx	4.1	4.7	5.3	6.0	6.6	7.3	8.2	8.9	9.6	10.3	Fx	1.8	2.4	3.0	3.9	4.8	6.0	7.3	8.5	10.1	11.5
	3.5	Fz-E	6.4	7.7	9.0	10.2	11.5	12.8	14.1	15.3	16.6	17.9	Fz-E	6.4	7.7	9.0	10.2	11.5	12.8	14.1	15.3	16.6	17.9
		Fz	3.2	3.9	4.5	5.1	5.8	6.4	7.1	7.7	8.3	9.0	Fz	1.6	2.0	2.3	2.6	2.9	3.2	3.6	3.9	4.2	4.5
		Fx	3.2	3.9	4.5	5.1	5.8	6.4	7.1	7.7	8.3	9.0	Fx	0.8	1.0	1.2	1.3	1.5	1.6	1.8	2.0	2.1	2.3
1.00	2	Fz-E	2.1	2.0	1.8	1.7	1.7	1.6	1.5	1.5	1.5	Fz-E	0.8	1.0	1.2	1.3	1.5	1.6	1.8	2.0	2.1	2.3	
		Fz	5.0	5.9	6.6	7.4	8.4	9.2	10.2	11.0	11.8	12.8	Fz	2.2	3.0	3.9	4.9	6.0	7.3	9.0	10.7	12.5	14.4
		Fx	5.0	5.9	6.6	7.4	8.4	9.2	10.2	11.0	11.8	12.8	Fx	2.2	3.0	3.9	4.9	6.0	7.3	9.0	10.7	12.5	14.4
	3	Fz-E	7.7	9.2	10.8	12.3	13.8	15.3	16.9	18.4	19.9	21.5	Fz-E	7.7	9.2	10.8	12.3	13.8	15.3	16.9	18.4	19.9	21.5
		Fz	3.9	4.6	5.4	6.2	6.9	7.7	8.5	9.2	10.0	10.8	Fz	2.0	2.3	2.7	3.1	3.5	3.9	4.3	4.6	5.0	5.4
		Fx	3.9	4.6	5.4	6.2	6.9	7.7	8.5	9.2	10.0	10.8	Fx	2.0	2.3	2.7	3.1	3.5	3.9	4.3	4.6	5.0	5.4
	3.5	Fz-E	2.6	2.3	2.2	2.1	2.0	1.9	1.9	1.8	1.8	Fz-E	1.0	1.2	1.4	1.6	1.8	2.0	2.2	2.3	2.5	2.7	
		Fz	6.1	6.9	7.9	9.0	10.0	11.1	12.2	13.1	14.3	15.4	Fz	2.7	3.5	4.5	5.8	7.3	8.9	10.8	12.6	14.8	17.3
		Fx	6.1	6.9	7.9	9.0	10.0	11.1	12.2	13.1	14.3	15.4	Fx	2.7	3.5	4.5	5.8	7.3	8.9	10.8	12.6	14.8	17.3
	3.5	Fz-E	9.0	10.8	12.5	14.3	16.1	17.9	19.7	21.5	23.3	25.0	Fz-E	9.0	10.8	12.5	14.3	16.1	17.9	19.7	21.5	23.3	25.0
		Fz	4.5	5.4	6.3	7.2	8.1	9.0	9.9	10.8	11.7	12.5	Fz	2.3	2.7	3.2	3.6	4.1	4.5	5.0	5.4	5.9	6.3
		Fx	4.5	5.4	6.3	7.2	8.1	9.0	9.9	10.8	11.7	12.5	Fx	1.2	1.4	1.6	1.8	2.1	2.3	2.5	2.7	3.0	3.2
2	Fz-E	7.0	8.1	9.3	10.5	11.7	12.9	14.2	15.4	16.7	17.8	Fz-E	3.1	4.1	5.4	6.7	8.5	10.3	12.6	14.8	17.5	20.2	
	Fz	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	Fz	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	
	Fx	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	Fx	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	
2.5	Fz-E	3.3	3.0	2.8	2.7	2.6	2.5	2.4	2.4	2.4	Fz-E	1.3	1.5	1.8	2.0	2.3	2.5	2.8	3.0	3.3	3.5		
	Fz	7.8	9.0	10.3	11.6	13.0	14.4	15.7	17.1	18.5	19.9	Fz	3.4	4.5	5.9	7.5	9.3	11.5	13.8	16.4	19.3	22.4	
	Fx	7.8	9.0	10.3	11.6	13.0	14.4	15.7	17.1	18.5	19.9	Fx	3.4	4.5	5.9	7.5	9.3	11.5	13.8	16.4	19.3	22.4	
3	Fz-E	6.3	7.5	8.8	10.0	11.3	12.5	13.8	15.0	16.3	17.5	Fz-E	12.5	15.0	17.5	20.0	22.5	25.0	27.5	30.0	32.5	35.0	
	Fz	6.3	7.5	8.8	10.0	11.3	12.5	13.8	15.0	16.3	17.5	Fz	3.2	3.8	4.4	5.0	5.7	6.3	6.9	7.5	8.2	8.8	
	Fx	6.3	7.5	8.8	10.0	11.3	12.5	13.8	15.0	16.3	17.5	Fx	1.6	1.9	2.2	2.5	2.9	3.2	3.5	3.8	4.1	4.4	
3.5	Fz-E	9.8	11.3	12.9	14.5	16.3	18.0	19.8	21.4	23.2	24.9	Fz-E	4.3	5.7	7.4	9.4	11.8	14.4	17.3	20.5	24.3	28.2	
	Fz	15.0	18.0	21.0	24.0	27.0	30.0	33.0	36.0	39.0	42.0	Fz	15.0	18.0	21.0	24.0	27.0	30.0	33.0	36.0	39.0	42.0	
	Fx	15.0	18.0	21.0	24.0	27.0	30.0	33.0	36.0	39.0	42.0	Fx	3.8	4.5	5.3	6.0	6.8	7.5	8.3	9.0	9.8	10.5	
3.5	Fz-E	5.0	4.5	4.2	4.0	3.9	3.8	3.7	3.6	3.5	3.5	Fz-E	1.9	2.3	2.7	3.0	3.4	3.8	4.2	4.5	4.9	5.3	
	Fz	11.7	13.5	15.4	17.4	19.5	21.5	23.6	25.7	27.8	29.9	Fz	5.1	6.8	8.9	11.2	14.1	17.2	20.9	24.6	29.1	33.6	
	Fx	11.7	13.5	15.4	17.4	19.5	21.5	23.6	25.7	27.8	29.9	Fx	5.1	6.8	8.9	11.2	14.1	17.2	20.9	24.6	29.1	33.6	
3.5	Fz-E	17.5	21.0	24.5	28.0	31.5	35.0	38.5	42.0	45.5	49.0	Fz-E	17.5	21.0	24.5	28.0	31.5	35.0	38.5	42.0	45.5	49.0	
	Fz	8.8	10.5	12.3	14.0	15.8	17.5	19.3	21.0	22.8	24.5	Fz	4.4	5.3	6.2	7.0	7.9	8.8	9.7	10.5	11.4	12.3	
	Fx	8.8	10.5	12.3	14.0	15.8	17.5	19.3	21.0	22.8	24.5	Fx	4.4	5.3	6.2	7.0	7.9	8.8	9.7	10.5	11.4	12.3	
3.5	Fz-E	5.9	5.3	4.9	4.7	4.5	4.4	4.3	4.2	4.1	4.1	Fz-E	2.2	2.7	3.1	3.5	4.0	4.4	4.9	5.3	5.7	6.2	
	Fz	13.8	15.8	18.1	20.3	22.8	25.1	27.6	30.0	32.5	34.9	Fz	5.9	8.0	10.4	13.1	16.4	20.2	24.4	28.8	33.8	39.4	
	Fx	13.8	15.8	18.1	20.3	22.8	25.1	27.6	30.0	32.5	34.9	Fx	5.9	8.0	10.4	13.1	16.4	20.2	24.4	28.8	33.8	39.4	

**Remarque - Suspension sans palonnier:**  
La charge de l'élément Fz-E est portée par deux point d'arrimage, Fz = Fx = 0.5\*Fz-E

**Remarque - Suspension avec palonnier:**  
La charge de l'élément Fz-E est portée par quatre point d'arrimage, Fz = 0.25\*Fz-E

Seul le téléchargement est possible: [www.suva.ch/waswo/66135/2.f](http://www.suva.ch/waswo/66135/2.f)

Tableaux de charges établis par la Haute école spécialisée bernoise (données fournies sous toutes réserves)