

PFR Capacity table



Safe working load limit for flat steel sheets (S 235 JR [ST-37])

Type	Material thickness (mm)	clean and smooth surface air gap 0.1 mm				rusty / hot rolled surface air gap 0.1 - 0.3 mm				irregular and rough surface air gap 0.3 - 0.5 mm				very rough surface air gap > 0.5 mm
		Max. dim. (mm)		WLL (kg) for plate dimensions below		Max. dim. (mm)		WLL (kg) for plate dimensions below		Max. dim. (mm)		WLL (kg) for plate dimensions below		
PFR 125		(L x B)	L > 200 B > 200	L > 60 B > 100	(L x B)	L > 200 B > 200	L > 60 B > 100	(L x B)	L > 200 B > 200	L > 60 B > 100				
	≥ 25	-	125	110	-	75	70	-	60	55				
	15	1900 x 500	115	100	1100 x 500	70	60	900 x 500	55	45				
	10	2300 x 500	110	65	1500 x 500	65	50	1200 x 500	50	40				
	4	2500 x 500	45	17	2300 x 500	40	17	1700 x 500	30	15				
	2	1500 x 500	15	4	1300 x 500	13	3	1200 x 500	12	3				
	Ø 50-100	Lmax 2500	40	Lmax 1700	28	Lmax 1700	24							
PFR 250		(L x B)	L > 300 B > 300	L > 100 B > 150	(L x B)	L > 300 B > 300	L > 100 B > 150	(L x B)	L > 300 B > 300	L > 100 B > 150				
	≥ 30	-	250	225	-	170	150	-	105	100				
	15	1750 x 1000	205	155	1250 x 1000	150	120	1000 x 800	90	85				
	10	2200 x 1000	170	80	1650 x 1000	130	65	1100 x 1000	85	53				
	6	2100 x 1000	100	34	1650 x 1000	80	28	1300 x 1000	60	23				
	4	1600 x 1000	50	17	1400 x 1000	45	14	1150 x 1000	36	12				
	Ø 60-200	Lmax 3500	125	Lmax 3000	100	Lmax 2500	70							
PFR 500		(L x B)	L > 400 B > 400	L > 110 B > 245	(L x B)	L > 400 B > 400	L > 110 B > 245	(L x B)	L > 400 B > 400	L > 110 B > 245				
	≥ 40	-	500	480	-	380	370	-	255	250				
	20	1800 x 1500	425	365	1650 x 1250	320	290	1400 x 1000	220	200				
	15	2250 x 1500	400	235	2050 x 1250	300	195	1750 x 1000	205	150				
	10	2500 x 1500	270	115	2350 x 1250	220	95	2150 x 1000	165	80				
	8	2300 x 1500	195	80	2250 x 1250	160	65	2150 x 1000	125	55				
	6	2000 x 1500	125	50	2000 x 1250	100	40	2000 x 1000	80	33				
	Ø 65-270	Lmax 4000	250	Lmax 3500	200	Lmax 3000	150							
PFR 1000		(L x B)	L > 500 B > 500	L > 145 B > 310	(L x B)	L > 500 B > 500	L > 145 B > 310	(L x B)	L > 500 B > 500	L > 145 B > 310				
	≥ 60	-	1000	985	-	845	835	-	650	645				
	30	2450 x 1500	860	710	2000 x 1500	730	620	1900 x 1250	565	515				
	25	2850 x 1500	830	535	2400 x 1500	705	475	2250 x 1250	550	410				
	20	3200 x 1500	745	365	2750 x 1500	640	320	2600 x 1250	510	290				
	15	3300 x 1500	500	215	2900 x 1500	445	195	2800 x 1250	380	175				
	10	2750 x 1500	265	105	2550 x 1500	240	95	2650 x 1250	200	85				
	Ø 100-300	Lmax 4500	500	Lmax 4000	400	Lmax 3500	300							
PFR 1500		(L x B)	L > 800 B > 800	L > 170 B > 400	(L x B)	L > 800 B > 800	L > 170 B > 400	(L x B)	L > 800 B > 800	L > 170 B > 400				
	≥ 80	-	1500	1460	-	1420	1200	-	1020	980				
	50	3000 x 1200	1460	1250	2500 x 1200	1200	1050	2000 x 1200	960	900				
	30	3500 x 1200	980	430	3250 x 1200	900	390	2500 x 1300	780	350				
	20	3500 x 1400	760	310	3000 x 1600	750	290	2500 x 1750	695	270				
	15	3000 x 1500	540	195	3000 x 1500	530	180	2500 x 1400	420	160				
	Ø 150-350	Lmax 5000	750	Lmax 4500	700	Lmax 3500	600							
PFR 2000		(L x B)	L > 800 B > 800	L > 170 B > 500	(L x B)	L > 800 B > 800	L > 170 B > 500	(L x B)	L > 800 B > 800	L > 170 B > 500				
	≥ 80	-	2000	1950	-	1650	1600	-	1300	1250				
	50	3250 x 1500	1950	1600	2500 x 1500	1600	1350	2000 x 1500	1250	1150				
	30	3500 x 1500	1350	550	3250 x 1500	1150	500	2500 x 1500	1000	450				
	20	3500 x 2000	1100	400	3000 x 2000	1000	375	2500 x 2000	900	350				
	15	3000 x 1500	650	250	3000 x 1500	600	230	2000 x 1500	550	200				
	Ø 100-350	Lmax 5000	1000	Lmax 4500	900	Lmax 4000	800							

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