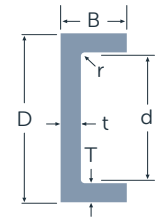
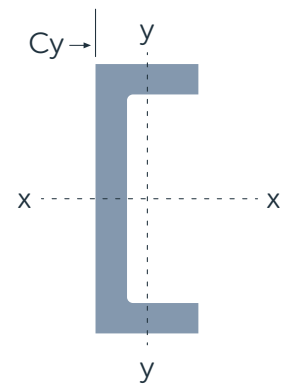


British Steel, the only UK manufacturer of structural sections, is BES 6001 certified, guaranteeing commitment to responsibly sourced materials. Our structural sections are CE marked and tested to the highest standards, providing quality and assurance for the UK construction market.



Parallel flange channels (PFC) sizes

Designation	Mass per metre	Depth of section	Width of section	Thickness		Distance of Cy	Root radius	Depth between fillets	Ratios for local buckling		Second moment of area		Radius of gyration
				of web	of flange				Flange	Web	Axis	Axis	
				D	B				t	T	B/2T	d/t	
Serial size	kg/m	mm	mm	mm	mm	cm	mm	mm			cm ⁴	cm ⁴	cm
100 x 50 x 10	10.2	100	50	5.0	8.5	1.73	9	65	5.88	13.0	208	32	4.00
125 x 65 x 15	14.8	125	65	5.5	9.5	2.25	12	82	6.84	14.9	483	80	5.07
150 x 75 x 18	17.9	150	75	5.5	10.0	2.58	12	106	7.50	19.3	861	131	6.15
150 x 90 x 24	23.9	150	90	6.5	12.0	3.30	12	102	7.50	15.7	1162	253	6.18
180 x 75 x 20	20.3	180	75	6.0	10.5	2.41	12	135	7.14	22.5	1370	146	7.27
180 x 90 x 26	26.1	180	90	6.5	12.5	3.17	12	131	7.20	20.2	1817	277	7.40
200 x 75 x 23	23.4	200	75	6.0	12.5	2.48	12	151	6.00	25.2	1963	170	8.11
200 x 90 x 30	29.7	200	90	7.0	14.0	3.12	12	148	6.43	21.1	2523	314	8.16
230 x 75 x 26	25.7	230	75	6.5	12.5	2.30	12	181	6.00	27.8	2748	181	9.17
230 x 90 x 32	32.2	230	90	7.5	14.0	2.92	12	178	6.43	23.7	3518	334	9.27
260 x 75 x 28	27.6	260	75	7.0	12.0	2.10	12	212	6.25	30.3	3619	185	10.10
260 x 90 x 35	34.8	260	90	8.0	14.0	2.74	12	208	6.43	26.0	4728	353	10.30
300 x 90 x 41	41.4	300	90	9.0	15.5	2.60	12	245	5.81	27.2	7218	404	11.70
300 x 100 x 46	45.5	300	100	9.0	16.5	3.05	15	237	6.06	26.3	8229	568	11.90
380 x 100 x 54	54.0	380	100	9.5	17.5	2.79	15	315	5.71	33.2	15034	643	14.80
430 x 100 x 64	64.4	430	100	11.0	19.0	2.62	15	362	5.26	32.9	21939	722	16.30



Parallel flange channels (PFC) sizes

Radius of gyration	Elastic modulus		Plastic modulus		Buckling parameter	Torsional index	Warping constant	Torsional constant	Area of section	Designation
	Axis	Axis	Axis	Axis						
	x-x	y-y	x-x	y-y	u	x	H	J		Serial size
cm	cm ³	cm ³	cm ³	cm ³			dm ⁶	cm ⁴	cm ²	
1.58	41.54	9.9	48.9	17.6	0.942	10.0	0.0005	2.53	13.0	100 x 50 x 10
2.06	77.30	18.8	89.9	33.5	0.942	11.1	0.0019	4.72	18.8	125 x 65 x 15
2.40	115.00	26.6	132.0	47.3	0.946	13.1	0.0047	6.10	22.8	150 x 75 x 18
2.89	155.00	44.4	179.0	77.0	0.936	10.8	0.0089	11.80	30.4	150 x 90 x 24
2.38	152.00	28.8	176.0	52.0	0.946	15.3	0.0075	7.34	25.9	180 x 75 x 20
2.89	202.00	47.4	232.0	83.5	0.949	12.8	0.0141	13.30	33.2	180 x 90 x 26
2.39	196.00	33.8	227.0	60.8	0.956	14.8	0.0107	11.10	29.9	200 x 75 x 23
2.88	252.00	53.4	291.0	94.6	0.954	12.9	0.0197	18.30	37.9	200 x 90 x 30
2.35	239.00	34.8	278.0	63.2	0.947	17.3	0.0153	11.80	32.7	230 x 75 x 26
2.86	306.00	55.0	355.0	99.2	0.950	15.1	0.0279	19.30	41.0	230 x 90 x 32
2.30	278.00	34.4	328.0	62.0	0.932	20.5	0.0203	11.70	35.1	260 x 75 x 28
2.82	364.00	56.3	425.0	102.1	0.942	17.2	0.0379	20.60	44.4	260 x 90 x 35
2.77	481.00	63.1	568.0	114.0	0.934	18.4	0.0581	28.80	52.7	300 x 90 x 41
3.13	549.00	81.7	641.0	148.3	0.944	17.0	0.0813	36.80	58.0	300 x 100 x 46
3.06	791.00	89.2	933.0	160.7	0.932	21.2	0.1500	45.70	68.7	380 x 100 x 54
2.97	1020.00	97.9	1222.0	175.9	0.917	22.5	0.2190	63.00	82.1	430 x 100 x 64

Dimensions and properties to BS EN 10365:2017

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