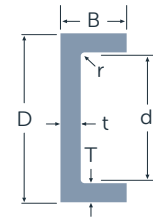
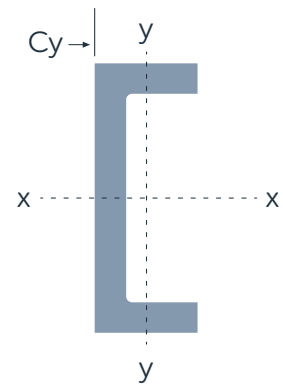


British Steel, the only UK manufacturer of structural sections, is BES 6001 certified, guaranteeing commitment to responsibly sourced materials. Our structural sections are CE marked and tested to the highest standards, providing quality and assurance for the UK construction market.



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	Cf/tf	Cw/tw	
Serial size	Kg/m	mm	mm	mm	mm	cm	mm	mm			cm ⁴	cm ⁴	cm
430x100x64	64.4	430	100	11.00	19.00	3.27	15	362.0	3.9	32.9	21,939	722	16.3
380x100x54	54.0	380	100	9.50	17.50	3.48	15	315.0	4.3	33.2	15,034	643	14.8
300x100x46	45.5	300	100	9.00	16.50	3.68	15	237.0	4.6	26.3	8,229	568	11.9
300x90x41	41.4	300	90	9.00	15.50	3.18	12	245.0	4.5	27.2	7,218	404	11.7
260x90x35	34.8	260	90	8.00	14.00	3.32	12	208.0	5.0	26.0	4,728	353	10.3
260x75x28	27.6	260	75	7.00	12.00	2.62	12	212.0	4.7	30.3	3,619	185	10.1
230x90x32	32.2	230	90	7.50	14.00	3.46	12	178.0	5.0	23.7	3,518	334	9.27
230x75x26	25.7	230	75	6.50	12.50	2.78	12	181.0	4.5	27.8	2,748	181	9.17
200x90x30	29.7	200	90	7.00	14.00	3.60	12	148.0	5.1	21.1	2,523	314	8.16
200x75x23	23.4	200	75	6.00	12.50	2.91	12	151.0	4.6	25.2	1,963	170	8.11
180x90x26	26.1	180	90	6.50	12.50	3.64	12	131.0	5.7	20.2	1,817	277	7.40
180x75x20	20.3	180	75	6.00	10.50	2.87	12	135.0	5.4	22.5	1,370	146	7.27
150x90x24	23.9	150	90	6.50	12.00	3.71	12	102.0	6.0	15.7	1,162	253	6.18
150x75x18	17.9	150	75	5.50	10.00	2.99	12	106.0	5.8	19.3	861	131	6.15
125x65x15	14.8	125	65	5.50	9.50	2.56	12	82.0	5.0	14.9	483	80.0	5.07



Parallel Flange Channels (PFC) sizes

Radius of gyration	Elastic modulus		Plastic modulus		Buckling parameter	Torsional index	Warping constant	Torsional constant	Area of section	Indicative values for S355 steel		Designation
	Axis	Axis	Axis	Axis						Mc.y.Rd	Nb.z.Rd*	
	x-x	y-y	x-x	y-y	u	x	H	J			for Lcr = 3.5m	Serial size
cm	cm ³	cm ³	cm ³	cm ³			dm ⁶	cm ⁴	cm ²	kNm	kN	
2.97	1,020	97.9	1,222	176	0.917	22.5	0.219	63.0	82.1	422	872	430x100x64
3.06	791	89.2	933	161	0.932	21.2	0.150	45.7	68.7	322	764	380x100x54
3.13	549	81.7	641	148	0.944	17.0	0.0813	36.8	58.0	221	668	300x100x46
2.77	481	63.1	568	114	0.934	18.4	0.0581	28.8	52.7	202	504	300x90x41
2.82	364	56.3	425	102	0.942	17.2	0.0379	20.6	44.4	151	437	260x90x35
2.30	278	34.4	328	62.0	0.932	20.5	0.0203	11.7	35.1	116.0	246	260x75x28
2.86	306	55.0	355	99.2	0.950	15.1	0.0279	19.3	41.0	126.0	413	230x90x32
2.35	239	34.8	278	63.2	0.947	17.3	0.0153	11.8	32.7	98.7	238	230x75x26
2.88	252	53.4	291	94.6	0.954	12.9	0.0197	18.3	37.9	103.0	386	200x90x30
2.39	196	33.8	227	60.8	0.956	14.8	0.0107	11.1	29.9	80.6	224	200x75x23
2.89	202	47.4	232	83.5	0.949	12.8	0.0141	13.3	33.2	82.4	340	180x90x26
2.38	152	28.8	176	52.0	0.946	15.3	0.0075	7.34	25.9	62.5	193	180x75x20
2.89	155	44.4	179	77.0	0.936	10.8	0.0089	11.8	30.4	63.5	311	150x90x24
2.40	115	26.6	132	47.3	0.946	13.1	0.0047	6.10	22.8	46.9	172	150x75x18
2.06	77.3	18.8	89.9	33.5	0.942	11.1	0.0019	4.72	18.8	31.9	109	125x65x15

Dimensions and properties to BS4-1

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