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# **U and C Shaped Steel Profiles CATALOG**

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**WEBSITE : <https://www.engsteelcons.com/>**

# UAC Profil

**Size:** It is produced from 4 m to 18 m.

**Height :** Mill Standard

**Tolerances:** EN 10279

UAC profiles channel sections are short steel profile form. These profiles are used in many areas such as industrial infrastructures, construction applications, decorative applications, cable channels, automotive and railway sector, elevators and escalator manufacturing, base plate applications. There is also the possibility of special production with wide production quality and variety according to customer demand.



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### UAC Channel Sizes (mm)

	<b>G kg/m</b>	<b>h mm</b>	<b>b mm</b>	<b>tw mm</b>	<b>tf mm</b>	<b>A cm2</b>
<b>UAC 30</b>	1,45	30	15	2,8	3,5	1,85
<b>UAC 35</b>	1,8	35	17,4	2,8	4	2,29
<b>UAC 40</b>	2,09	40	20	2,8	4,8	2,66
<b>UAC 50</b>	3,09	50	25	3	5,4	3,94
<b>UAC 60</b>	4,02	60	30	4	5,1	5,12
<b>UAC 70</b>	6,1	70	39,3	4,5	6	7,77

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# PFC Profile

**Size:** Produced from 4 m to 18 m

**Length :** BS 4-1

**Tolerances:** EN 10279

PFC profiles define Parallel Flanged Channel profiles. This profile is mainly used in England and parts of Asia under British influence. For this reason, it is also referred to as British Parallel Flanged Channel Profiles. PFC profiles have different thicknesses in the core and flange region compared to UPE profiles. Generally heavier than UPEs and lighter than UPN/NPUs. Although PFC profiles are used in construction designs, they also provide ease of assembly in the field of application compared to conical flanged profiles.



PFC Channel Sizes (mm)							
	G kg/m	h mm	b mm	tw mm	tf mm	r mm	A cm2
PFC 75X40X6	5,9	75	40	3,8	6,1	-	7,52
PFC 100X50X10	10,2	100	50	5,0	8,5	9	13,00
PFC 125X65X15	14,8	125	65	5,5	9,5	12	18,80
PFC 150X75X18	17,9	150	75	5,5	10,0	12	22,80
PFC 150X90X24	23,9	150	90	6,5	12,0	12	30,40
PFC 180X75X20	20,3	180	75	6,0	10,5	12	25,90
PFC 180X90X26	26,1	180	90	6,5	12,5	12	33,20
PFC 200X75X23	23,4	200	75	6,0	12,5	12	29,90
PFC 200X90X30	29,7	200	90	7,0	14,0	12	37,90
PFC 230X75X26	25,7	230	75	6,5	12,5	12	32,70
PFC 230X90X32	32,2	230	90	7,5	14,0	12	41,00
PFC 260X75X28	27,6	260	75	7	12	12	35,10
PFC 260X90X35	34,8	260	90	8	14	12	44,40
PFC 300X90X41	41,4	300	90	9	15,5	12	52,73
PFC 300X100X46	45,5	300	100	9	16,5	15	58,00

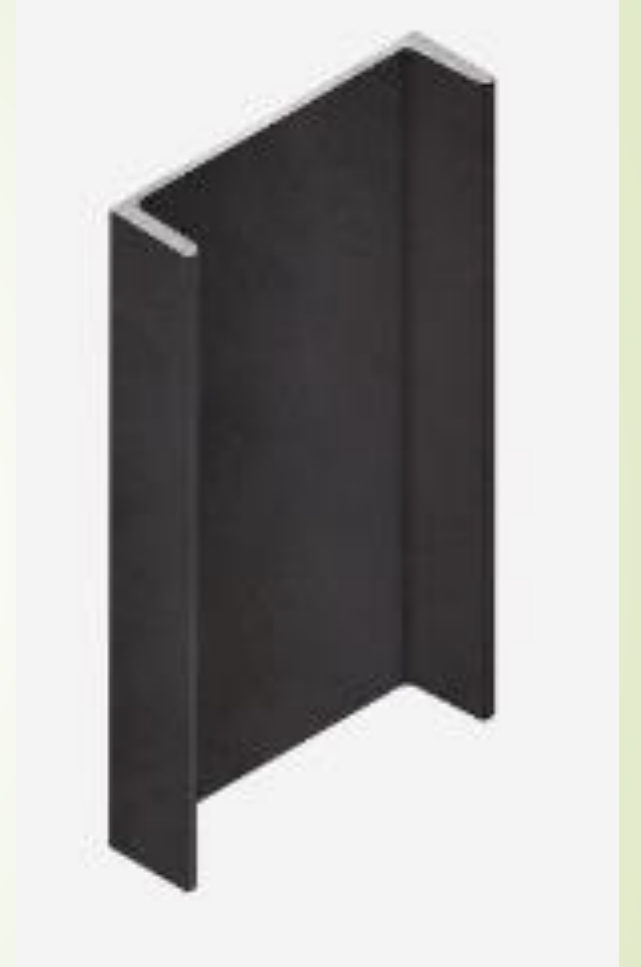
# C Profile

Size: It is produced from 4 m to 18 m.

Size : ASTM A6 / A 6M

Tolerances: ASTM A6 / A 6M

**Our American Standard Channel profiles are frequently used in the creation of steel construction design and civil engineering applications in the field of building and construction. Thanks to our production infrastructure, low deadlines and high variety production are possible for C profiles in line with customer demands.**





## C Channel Sizes (mm)

(imperial)	G kg/m	G lbs/ft	h mm	b mm	tw mm	tf mm	A cm2
C 1 1/2 x 1/2 x 1/8	1,66	1,12	38,1	12,7	3,18	4,6	2,1
C 1 1/2 x 3/4 x 1/8	1,74	1,18	38,1	19,05	3,18	3,2	2,2
C 2 X 1/2 X 1/8	2,13	1,44	50,8	12,7	3,18	5,5	2,7
C 2 X 1 X 1/8	2,36	1,59	50,8	25,4	3,18	3,05	3,0
C 2 X 1 X 3/16	3,45	2,33	50,8	25,4	4,76	4,8	4,4
C 3 x 3,5	5,2	3,50	76	35	3,4	6,9	6,65
C 3 x 4,1	6,1	4,10	76	35	4,3	6,9	7,81
C 4 x 4,5	6,7	4,50	102	39	3,2	7,5	8,52
C 4 x 5,4	8,0	5,40	102	40	4,7	7,5	10,3
C 6 x 8,2	12,2	8,20	152	48	5,1	8,7	15,5
C 7 x 9.8	14,6	9,80	178	53	5,3	9,3	1,85
C 8 x 11.5	17,1	11,50	203	57	5,6	9,9	21,8
C 8 x 13.75	20,5	13,75	203	59	7,7	9,9	26,0
C 8 x 18.75	27,9	18,75	203	64	12,4	9,9	35,6
C 10 x 15.3	22,8	15,30	254	65	6,1	11,1	29,0

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# UPN Profile

**Size: Produced from 4 m to 18 m**

**Length : DIN 1026-1**

**Tolerances: EN 10279**

Our European Standard Channel profiles are used in the creation of steel construction in the field of building and construction. In addition, NPU profiles, which are also used in machinery manufacturing and agriculture sectors, are produced by our company in the range of 50mm-300mm with high quality diversity and low deadlines.





UPN Channel Sizes (mm)								
	G kg/m	h mm	b mm	tw mm	tf mm	r1 mm	r2 mm	A cm2
U 40x20x5	2,9	40	20	5	5,5	5	2	3,7
U 50x25x5	3,9	50	25	5	6	6	2,5	4,9
UPN 50	5,6	50	38	5	7	7	3,5	7,1
UPN 65	7,1	65	42	5,5	7,5	7,5	4	9
UPN 80	8,6	80	45	6	8	8	4	11
UPN 100	10,6	100	50	6	8,5	8,5	4,5	13,5
UPN 120	13,4	120	55	7	9	9	4,5	17
UPN 140	16	140	60	7	10	10	5	20,4
UPN 160	18,8	160	65	7,5	10,5	10,5	5,5	24
UPN 180	22	180	70	8	11	11	5,5	28
UPN 200	25,3	200	75	8,5	11,5	11,5	6	32,2
UPN 220	29,4	220	80	9	12,5	12,5	6,5	37,4
UPN 240	33,2	240	85	9,5	13	13	6,5	42,3
UPN 260	37,9	260	90	10	14	14	7	48,3
UPN 280	41,8	280	95	10	15	15	7,5	53,3
UPN 300	46,2	300	100	10	16	16	8	58,8

# UPE Profile

**Size: Produced from 4 m to 18 m**

**Length : DIN 1026-2**

**Tolerances: EN 10279**

Although our Parallel Flange Channel Profiles are used in many sectors, especially in construction and construction, the production of lightened section UPE-A and UPE-AA profiles is also carried out in high quality diversity and low deadlines.



## UPE Channel Sizes (mm)

	<b>G</b> <b>kg/m</b>	<b>h</b> <b>mm</b>	<b>b</b> <b>mm</b>	<b>tw</b> <b>mm</b>	<b>tf</b> <b>mm</b>	<b>r1</b> <b>mm</b>	<b>A</b> <b>cm2</b>
<b>UPE 80</b>	7,9	80	50	4	7	10	10,1
<b>UPE 100</b>	7,9	80	50	4	7	10	10,1
<b>UPE 120</b>	12,1	120	60	5	8	12	15,4
<b>UPE 140</b>	14,5	140	65	5	9	12	18,4
<b>UPE 160</b>	17	160	70	5,5	9,5	12	21,7
<b>UPE 180</b>	19,7	180	75	5,5	10,5	12	25,1
<b>UPE 200</b>	22,8	200	80	6	11	13	29
<b>UPE 220</b>	26,6	220	85	6,5	12	13	33,9
<b>UPE 240</b>	30,2	240	90	7	12,5	15	38,5
<b>UPE 270</b>	35,2	270	95	7,5	13,5	15	44,8

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# CH Profile

**Size:** It is produced from 4 m to 18 m.  
**Tolerances:** EN 10279

CH profiles produced by hot rolling method are defined as Conical Flanged English Channel Profiles. These profiles are mostly used as structural steel. It is possible to produce special sizes according to customer demands.



## CH Channel Sizes (mm)

	<b>G</b> <b>kg/m</b>	<b>h</b> <b>mm</b>	<b>b</b> <b>mm</b>	<b>tw</b> <b>mm</b>	<b>tf</b> <b>mm</b>	<b>r1</b> <b>mm</b>	<b>r2</b> <b>mm</b>	<b>A</b> <b>cm2</b>
<b>CH 76x38x7</b>	6,7	76,2	38,1	5,1	6,8	12,0	6	8,60
<b>CH 102x51x10</b>	10,4	101,6	50,8	6,1	7,6	12,0	6	13,10
<b>CH 127x64x15</b>	14,9	127	63,5	6,4	9,2	13,0	6,5	18,80
<b>CH 152x76x18</b>	17,9	152,4	76,2	6,4	9,0	14,0	7	22,50
<b>CH 152x89x24</b>	23,9	152,4	88,9	7,1	11,6	16,0	8	30,00
<b>CH 178x76x21</b>	20,8	177,8	76,2	6,6	10,3	16,0	8	26,40
<b>CH 178x89x27</b>	26,8	177,8	88,9	7,6	12,3	17,0	8,5	33,80
<b>CH 203x76x24</b>	23,9	203,2	76,2	7,1	11,2	17,0	8,8	30,30
<b>CH 203x89x30</b>	29,8	203,2	88,9	8,1	12,9	17,5	8,75	37,60

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# THANK YOU

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