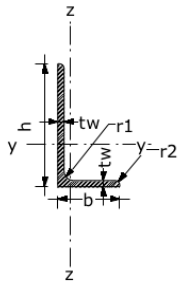
Serie L (UNI EU 57) Classe acciaio S 235

Designazione L 60 x 60 x 6



A = 6,91 cm^2

P = 5,42 kg/m

h = 60 mm

b = 60 mm

t_w = 6 mm

r_1 = 8 mm r_2 = 4 mm

Classe della sezione : Classe 3

c/t = 7,67 flangia

h/t = 10,00 angolari

$(b+h)/2t$ = 10,00 angolari

J_y =	22,79	cm^4	J_z =	22,79	cm^4
W_y =	5,29 cm^3		W_z =	5,29 cm^3	
i_y =	1,82 cm		i_z =	1,82 cm	

J_u =	36,14	cm^4	J_v =	9,44 cm^4	
i_u =	2,29 cm		i_v =	1,17 cm	
e_y =	1,69 cm		e_z =	1,69 cm	

Resistenza

f_{yk} = 235 mm

f_{tk} = 360 mm

$A_{net,lim}$ = 5,97 cm^2

$N_{t,Rd}$ = 154652 N

$N_{pl,Rd}$ = 154652 N

$N_{u,Rd}$ = 179107 N

$M_{el,Rd,y}$ = 1183 N m

$M_{el,Rd,z}$ = 1183 N m

$M_{pl,Rd,y}$ = 0 N m

$M_{pl,Rd,z}$ = 0 N m

$V_{c,Rd,z}$ = 0 N

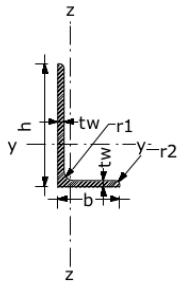
$N_{c,Rd}$ = 154652 N

Stabilità

$L_{o,y}$ = 500,00 cm	$L_{o,z}$ = 500,00 cm
α_y = 0,34	α_z = 0,34
$N_{CR,y}$ = 18894 N	$N_{CR,z}$ = 18894 N
λ_y = 275	λ_z = 275
λ^*_y = 2,93	λ^*_z = 2,93
Φ_y = 5,26	Φ_z = 5,26
χ_y = 0,104	χ_z = 0,104
$N_{b,Rdy}$ = 16057 N	$N_{b,Rd,z}$ = 16057 N

Serie L (UNI EU 57) Classe acciaio S 235

Designazione L 80 x 80 x 10



A = 15,10 cm^2

P = 11,90 kg/m

h = 80 mm

b = 80 mm

t_w = 10 mm

r_1 = 10 mm r_2 = 5 mm

Classe della sezione : Classe 3

c/t = 6,00 flangia

h/t = 8,00 angolari

$(b+h)/2t$ = 8,00 angolari

J_y =	87,50	cm^4	J_z =	87,50	cm^4
W_y =	15,45	cm^3	W_z =	15,45	cm^3
i_y =	2,41 cm		i_z =	2,41 cm	

J_u =	138,60	cm^4	J_v =	36,38	cm^4
i_u =	3,03 cm		i_v =	1,55 cm	
e_y =	2,34 cm		e_z =	2,34 cm	

Resistenza

f_{yk} = 235 mm

f_{tk} = 360 mm

$A_{net,lim}$ = 13,04 cm^2

$N_{t,Rd}$ = 337952 N

$N_{pl,Rd}$ = 337952 N

$N_{u,Rd}$ = 391392 N

$M_{el,Rd,y}$ = 3458 N m

$M_{el,Rd,z}$ = 3458 N m

$M_{pl,Rd,y}$ = 0 N m

$M_{pl,Rd,z}$ = 0 N m

$V_{c,Rd,z}$ = 0 N

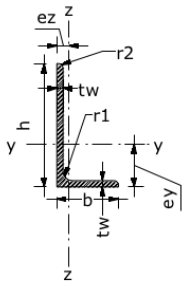
$N_{c,Rd}$ = 337952 N

Stabilità

$L_{o,y}$ = 500,00 cm	$L_{o,z}$ = 500,00 cm
α_y = 0,34	α_z = 0,34
$N_{CR,y}$ = 72542 N	$N_{CR,z}$ = 72542 N
λ_y = 208	λ_z = 208
λ^*_y = 2,21	λ^*_z = 2,21
Φ_y = 3,29	Φ_z = 3,29
χ_y = 0,175	χ_z = 0,175
$N_{b,Rdy}$ = 59067 N	$N_{b,Rd,z}$ = 59067 N

Serie L (UNI EN 10056-1) Classe acciaio S 235

Designazione L EN 10056-1-80 x 80 x 10



A = 15,10 cm^2

P = 11,90 kg/m

h = 80 mm

b = 80 mm

t_w = 10 mm

r_1 = 10 mm r_2 = 5 mm

Classe della sezione : Classe 3

c/t = 6,00 flangia

h/t = 8,00 angolari

$(b+h)/2t$ = 8,00 angolari

J_y = 87,50 cm^4 J_z = 87,50 cm^4

W_y = 15,40 cm^3 W_z = 15,40 cm^3

i_y = 2,41 cm i_z = 2,41 cm

J_u = 139,00 cm^4 J_v = 36,40 cm^4

i_u = 3,03 cm i_v = 1,55 cm

e_y = 2,32 cm e_z = 2,32 cm

Resistenza

f_{yk} = 235 mm f_{tk} = 360 mm

$A_{net,lim}$ = 13,04 cm^2

$N_{t,Rd}$ = 337952 N $N_{pl,Rd}$ = 337952 N $N_{u,Rd}$ = 391392 N

$M_{el,Rd,y}$ = 3447 N m $M_{el,Rd,z}$ = 3447 N m

$M_{pl,Rd,y}$ = 0 N m $M_{pl,Rd,z}$ = 0 N m

$V_{c,Rd,z}$ = 0 N

$N_{c,Rd}$ = 337952 N

Stabilità

$L_{o,y}$ = 200,00 cm $L_{o,z}$ = 200,00 cm

α_y = 0,34 α_z = 0,34

$N_{CR,y}$ = 453385 N $N_{CR,z}$ = 453385 N

λ_y = 83 λ_z = 83

λ^*_y = 0,88 λ^*_z = 0,88

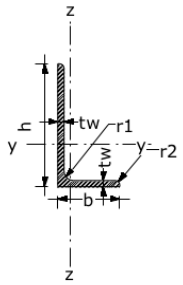
Φ_y = 1,01 Φ_z = 1,01

χ_y = 0,672 χ_z = 0,672

$N_{b,Rdy}$ = 226992 N $N_{b,Rd,z}$ = 226992 N

Serie L (UNI EU 57) Classe acciaio S 235

Designazione L 120 x 80 x 8



A = 15,49 cm^2

P = 12,20 kg/m

h = 120 mm

b = 80 mm

t_w = 8 mm

r_1 = 11 mm r_2 = 5,5mm

Classe della sezione : Classe 4

c/t = 12,63 flangia

h/t = 15,00 angolari

$(b+h)/2t$ = 12,50 angolari

J_y =	225,70	cm^4	J_z =	80,76	cm^4
W_y =	27,63	cm^3	W_z =	13,17	cm^3
i_y =	3,82 cm		i_z =	2,28 cm	

J_u =	259,80	cm^4	J_v =	46,63	cm^4
i_u =	4,10 cm		i_v =	1,74 cm	
e_y =	3,83 cm		e_z =	1,87 cm	

Resistenza

f_{yk} = 235 mm

f_{tk} = 360 mm

$A_{net,lim}$ = 13,38 cm^2

$N_{t,Rd}$ = 346681 N

$N_{pl,Rd}$ = 346681 N

$N_{u,Rd}$ = 401501 N

$M_{el,Rd,y}$ = 6184 N m

$M_{el,Rd,z}$ = 2948 N m

$M_{pl,Rd,y}$ = 0 N m

$M_{pl,Rd,z}$ = 0 N m

$V_{c,Rd,z}$ = 0 N

$N_{c,Rd}$ = 346681 N

Stabilità

$L_{o,y}$ = 500,00 cm

$L_{o,z}$ = 500,00 cm

α_y = 0,34

α_z = 0,34

$N_{CR,y}$ = 187116 N

$N_{CR,z}$ = 66954 N

λ_y = 131

λ_z = 219

λ^*_y = 1,39

λ^*_z = 2,33

Φ_y = 1,68

Φ_z = 3,58

χ_y = 0,384

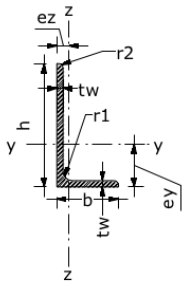
χ_z = 0,159

$N_{b,Rdy}$ = 133087 N

$N_{b,Rd,z}$ = 55027 N

Serie L (UNI EN 10056-1) Classe acciaio S 235

Designazione L EN 10056-1-120 x 120 x 12



A = 27,50 cm^2

P = 21,60 kg/m

h = 120 mm

b = 120 mm

t_w = 12 mm

r_1 = 13 mm r_2 = 6,5mm

Classe della sezione : Classe 3

c/t = 7,92 flangia

h/t = 10,00 angolari

$(b+h)/2t$ = 10,00 angolari

J_y = 368,00 cm^4 J_z = 368,00 cm^4

W_y = 42,70 cm^3 W_z = 42,70 cm^3

i_y = 3,65 cm i_z = 3,65 cm

J_u = 584,00 cm^4 J_v = 152,00 cm^4

i_u = 4,60 cm i_v = 2,35 cm

e_y = 3,38 cm e_z = 3,38 cm

Resistenza

f_{yk} = 235 mm f_{tk} = 360 mm

$A_{net,lim}$ = 23,75 cm^2

$N_{t,Rd}$ = 615476 N $N_{pl,Rd}$ = 615476 N $N_{u,Rd}$ = 712800 N

$M_{el,Rd,y}$ = 9557 N m $M_{el,Rd,z}$ = 9557 N m

$M_{pl,Rd,y}$ = 0 N m $M_{pl,Rd,z}$ = 0 N m

$V_{c,Rd,z}$ = 0 N

$N_{c,Rd}$ = 615476 N

Stabilità

$L_{o,y}$ = 200,00 cm $L_{o,z}$ = 200,00 cm

α_y = 0,34 α_z = 0,34

$N_{CR,y}$ = 1906808 N $N_{CR,z}$ = 1906808 N

λ_y = 55 λ_z = 55

λ^*_y = 0,58 λ^*_z = 0,58

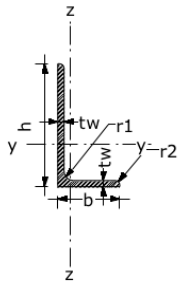
Φ_y = 0,74 Φ_z = 0,74

χ_y = 0,845 χ_z = 0,845

$N_{b,Rdy}$ = 520245 N $N_{b,Rd,z}$ = 520245 N

Serie L (UNI EU 57) Classe acciaio S 235

Designazione L 120 x 80 x 14



A = 26,20 cm^2

P = 20,50 kg/m

h = 120 mm

b = 80 mm

t_w = 14 mm

r_1 = 11 mm r_2 = 5,5mm

Classe della sezione : Classe 3

c/t = 6,79 flangia

h/t = 8,57 angolari

$(b+h)/2t$ = 7,14 angolari

J_y =	367,70	cm^4	J_z =	129,50	cm^4
W_y =	46,44	cm^3	W_z =	21,96	cm^3
i_y =	3,75 cm		i_z =	2,23 cm	

J_u =	421,00	cm^4	J_v =	76,25	cm^4
i_u =	4,01 cm		i_v =	1,71 cm	
e_y =	4,08 cm		e_z =	2,10 cm	

Resistenza

f_{yk} = 235 mm

f_{tk} = 360 mm

$A_{net,lim}$ = 22,62 cm^2

$N_{t,Rd}$ = 586381 N

$N_{pl,Rd}$ = 586381 N

$N_{u,Rd}$ = 679104 N

$M_{el,Rd,y}$ = 10394 N m

$M_{el,Rd,z}$ = 4915 N m

$M_{pl,Rd,y}$ = 0 N m

$M_{pl,Rd,z}$ = 0 N m

$V_{c,Rd,z}$ = 0 N

$N_{c,Rd}$ = 586381 N

Stabilità

$L_{o,y}$ = 500,00 cm

$L_{o,z}$ = 500,00 cm

α_y = 0,34

α_z = 0,34

$N_{CR,y}$ = 304840 N

$N_{CR,z}$ = 107362 N

λ_y = 133

λ_z = 225

λ^*_y = 1,42

λ^*_z = 2,39

Φ_y = 1,72

Φ_z = 3,74

χ_y = 0,373

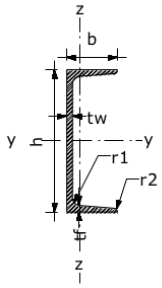
χ_z = 0,151

$N_{b,Rdy}$ = 218811 N

$N_{b,Rd,z}$ = 88788 N

Serie UPN (UNI 5680) Classe acciaio S 235

Designazione UPN 120



A = 17,00 cm^2

P = 13,40 kg/m

h = 120 mm

b = 55 mm

t_w = 7 mm

t_f = 9 mm

r_1 = 9 mm r_2 = 4,5mm

Classe della sezione : Classe 1

c/t = 4,33 flangia

A_{Vy} =	9,86 cm^2		A_{Vz} =	8,54 cm^2		A_V =	8,80 cm^2	
J_y =	364,00	cm^4	J_z =	43,20	cm^4	J_t =	4,15 cm^4	
W_y =	60,70	cm^3	W_z =	11,10	cm^3			
i_y =	4,62 cm		i_z =	1,59 cm		J_w =	900,00	cm^4
W_{ypl} =	72,60	cm^3	W_{zpl} =	21,20	cm^3			

e_z = 1,61 cm

Resistenza

f_{yk} = 235 mm f_{tk} = 360 mm

$A_{net,lim}$ = 14,68 cm^2

$N_{t,Rd}$ = 380476 N $N_{pl,Rd}$ = 380476 N $N_{u,Rd}$ = 440640 N

$M_{el,Rd,y}$ = 13585 N m $M_{el,Rd,z}$ = 2484 N m

$M_{pl,Rd,y}$ = 16249 N m $M_{pl,Rd,z}$ = 4745 N m

$V_{c,Rd,z}$ = 113711 N

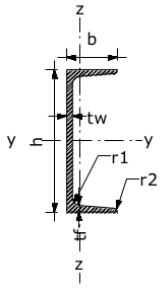
$N_{c,Rd}$ = 380476 N

Stabilità

$L_{o,y}$ = 500,00 cm	$L_{o,z}$ = 500,00 cm
α_y = 0,13	α_z = 0,13
$N_{CR,y}$ = 301773 N	$N_{CR,z}$ = 35815 N
λ_y = 108	λ_z = 314
λ^*_y = 1,15	λ^*_z = 3,35
Φ_y = 1,23	Φ_z = 6,31
χ_y = 0,608	χ_z = 0,086
$N_{b,Rdy}$ = 231424 N	$N_{b,Rd,z}$ = 32631 N

Serie UPN (UNI 5680) Classe acciaio S 235

Designazione UPN 140



A = 20,40 cm^2

P = 16,00 kg/m

h = 140 mm

b = 60 mm

Classe della sezione : Classe 1

t_w = 7 mm

t_f = 10 mm

r_1 = 10 mm r_2 = 5 mm

c/t = 4,30 flangia

A_{Vy} =	12,00	cm^2	A_{Vz} =	10,10	cm^2	A_V =	10,41	cm^2
J_y =	605,00	cm^4	J_z =	62,70	cm^4	J_t =	5,68 cm^4	
W_y =	86,40	cm^3	W_z =	14,80	cm^3			
i_y =	5,45 cm		i_z =	1,75 cm		J_w =	1800,00	cm^4
W_{ypl} =	103,00	cm^3	W_{zpl} =	28,30	cm^3			

e_z = 1,76 cm

Resistenza

f_{yk} = 235 mm f_{tk} = 360 mm

$A_{net,lim}$ = 17,61 cm^2

$N_{t,Rd}$ = 456571 N $N_{pl,Rd}$ = 456571 N $N_{u,Rd}$ = 528768 N

$M_{el,Rd,y}$ = 19337 N m $M_{el,Rd,z}$ = 3312 N m

$M_{pl,Rd,y}$ = 23052 N m $M_{pl,Rd,z}$ = 6334 N m

$V_{c,Rd,z}$ = 134514 N

$N_{c,Rd}$ = 456571 N

Stabilità

$L_{o,y}$ = 500,00 cm $L_{o,z}$ = 500,00 cm

α_y = 0,13 α_z = 0,13

$N_{CR,y}$ = 501573 N $N_{CR,z}$ = 51981 N

λ_y = 92 λ_z = 286

λ^*_y = 0,98 λ^*_z = 3,04

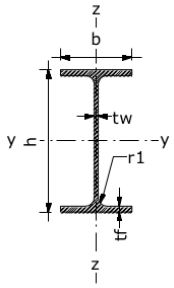
Φ_y = 1,03 Φ_z = 5,31

χ_y = 0,743 χ_z = 0,103

$N_{b,Rdy}$ = 339040 N $N_{b,Rd,z}$ = 47225 N

Serie IPE (UNI 5398) Classe acciaio S 235

Designazione IPE 120



A = 13,21 cm^2

P = 10,40 kg/m

h = 120 mm

b = 64 mm

t_w = 4,4mm

t_f = 6,3mm

r_1 = 7 mm

Classe della sezione : Classe 1

c/t = 21,23 anima

c/t = 3,62 flangia

A_{Vy} =	8,48 cm^2		A_{Vz} =	6,31 cm^2		A_V =	6,31 cm^2	
J_y =	317,80	cm^4	J_z =	27,67	cm^4	J_t =	1,74 cm^4	
W_y =	52,96	cm^3	W_z =	8,65 cm^3				
i_y =	4,90 cm		i_z =	1,45 cm		J_w =	890,00	cm^4
W_{ypl} =	60,73	cm^3	W_{zpl} =	13,58	cm^3			

Resistenza

f_{yk} = 235 mm

f_{tk} = 360 mm

$A_{net,lim}$ = 11,41 cm^2

$N_{t,Rd}$ = 295652 N

$N_{pl,Rd}$ = 295652 N

$N_{u,Rd}$ = 342403 N

$M_{el,Rd,y}$ = 11853 N m

$M_{el,Rd,z}$ = 1936 N m

$M_{pl,Rd,y}$ = 13592 N m

$M_{pl,Rd,z}$ = 3039 N m

$V_{c,Rd,z}$ = 81536 N

$N_{c,Rd}$ = 295652 N

Stabilità

$L_{o,y}$ = 500,00 cm

$L_{o,z}$ = 500,00 cm

α_y = 0,21

α_z = 0,34

$N_{CR,y}$ = 263471 N

$N_{CR,z}$ = 22940 N

λ_y = 102

λ_z = 345

λ^*_y = 1,09

λ^*_z = 3,67

Φ_y = 1,18

Φ_z = 7,83

χ_y = 0,605

χ_z = 0,068

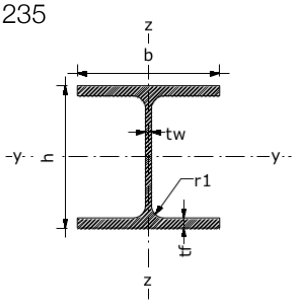
$N_{b,Rdy}$ = 178944 N

$N_{b,Rd,z}$ = 20047 N

Serie HE (UNI 5397)

Designazione HE 120 B

Classe acciaio S 235



A =	34,01	cm^2
P =	26,70	kg/m
h =	120	mm
b =	120	mm

t_w =	6,5mm
t_f =	11 mm
r_1 =	12 mm

Classe della sezione : Classe 1

c/t = 11,38 anima

c/t = 4,07 flangia

A_{Vy} =	27,64	cm^2	A_{Vz} =	10,97	cm^2	A_V =	10,96	cm^2
J_y =	864,40	cm^4	J_z =	317,50	cm^4	J_t =	13,84	cm^4
W_y =	144,10	cm^3	W_z =	52,92	cm^3			
i_y =	5,04 cm		i_z =	3,06 cm		J_w =	9410,00	cm^4
W_{ypl} =	165,20	cm^3	W_{zpl} =	80,97	cm^3			

Resistenza

f_{yk} = 235 mm

f_{tk} = 360 mm

$A_{net,lim}$ = 29,37 cm^2

$N_{t,Rd}$ = 761176 N

$N_{pl,Rd}$ = 761176 N

$N_{u,Rd}$ = 881539 N

$M_{el,Rd,y}$ = 32251 N m

$M_{el,Rd,z}$ = 11844 N m

$M_{pl,Rd,y}$ = 36973 N m

$M_{pl,Rd,z}$ = 18122 N m

$V_{c,Rd,z}$ = 141621 N

$N_{c,Rd}$ = 761176 N

Stabilità

$L_{o,y}$ = 500,00 cm

$L_{o,z}$ = 500,00 cm

α_y = 0,34

α_z = 0,49

$N_{CR,y}$ = 716628 N

$N_{CR,z}$ = 263222 N

λ_y = 99

λ_z = 163

λ^*_y = 1,06

λ^*_z = 1,74

Φ_y = 1,20

Φ_z = 2,39

χ_y = 0,562

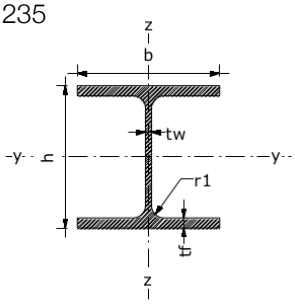
χ_z = 0,248

$N_{b,Rdy}$ = 427569 N

$N_{b,Rd,z}$ = 188842 N

Serie HE (UNI 5397) Classe acciaio S 235

Designazione HE 140 B



A = 42,96 cm^2

P = 33,70 kg/m

h = 140 mm

b = 140 mm

t_w = 7 mm

t_f = 12 mm

r_1 = 12 mm

Classe della sezione : Classe 1

c/t = 13,14 anima

c/t = 4,54 flangia

A_{Vy} =	34,84	cm^2	A_{Vz} =	13,08	cm^2	A_V =	13,08	cm^2
J_y =	1509,00	cm^4	J_z =	549,70	cm^4	J_t =	20,06	cm^4
W_y =	215,60	cm^3	W_z =	78,52	cm^3			
i_y =	5,93 cm		i_z =	3,58 cm		J_w =	22480,00	cm^4
W_{ypl} =	245,40	cm^3	W_{zpl} =	119,80	cm^3			

Resistenza

f_{yk} = 235 mm

f_{tk} = 360 mm

$A_{net,lim}$ = 37,09 cm^2

$N_{t,Rd}$ = 961486 N

$N_{pl,Rd}$ = 961486 N

$N_{u,Rd}$ = 1113523 N

$M_{el,Rd,y}$ = 48253 N m

$M_{el,Rd,z}$ = 17574 N m

$M_{pl,Rd,y}$ = 54923 N m

$M_{pl,Rd,z}$ = 26812 N m

$V_{c,Rd,z}$ = 169015 N

$N_{c,Rd}$ = 961486 N

Stabilità

$L_{o,y}$ = 500,00 cm

$L_{o,z}$ = 500,00 cm

α_y = 0,34

α_z = 0,49

$N_{CR,y}$ = 1251032 N

$N_{CR,z}$ = 455727 N

λ_y = 84

λ_z = 140

λ^*_y = 0,90

λ^*_z = 1,49

Φ_y = 1,02

Φ_z = 1,92

χ_y = 0,663

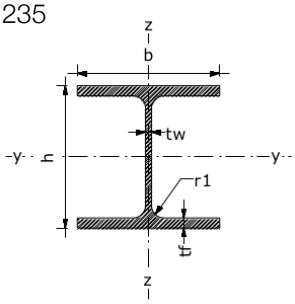
χ_z = 0,319

$N_{b,Rdy}$ = 637064 N

$N_{b,Rd,z}$ = 306452 N

Serie HE (UNI 5397) Classe acciaio S 235

Designazione HE 240 B



A = 106,00 cm^2
P = 83,20 kg/m
h = 240 mm
b = 240 mm

t_w = 10 mm
t_f = 17 mm
r_1 = 21 mm

Classe della sezione : Classe 1
c/t = 16,40 anima
c/t = 5,53 flangia

A_{Vy} =	85,40	cm^2	A_{Vz} =	33,24	cm^2	A_V =	33,23	cm^2
J_y =	11260,00	cm^4	J_z =	3923,00	cm^4	J_t =	102,70	cm^4
W_y =	938,30	cm^3	W_z =	326,90	cm^3			
i_y =	10,31	cm	i_z =	6,08 cm		J_w =	486900,00	cm^4
W_{ypl} =	1053,00	cm^3	W_{zpl} =	498,40	cm^3			

Resistenza

f_{yk} = 235 mm
f_{tk} = 360 mm
$A_{net,lim}$ = 91,53 cm^2

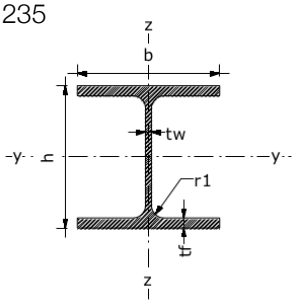
$N_{t,Rd}$ = 2372381 N
$N_{pl,Rd}$ = 2372381 N
$N_{u,Rd}$ = 2747520 N
$M_{el,Rd,y}$ = 210000 N m
$M_{el,Rd,z}$ = 73163 N m
$M_{pl,Rd,y}$ = 235671 N m
$M_{pl,Rd,z}$ = 111547 N m
$V_{c,Rd,z}$ = 429386 N
$N_{c,Rd}$ = 2372381 N

Stabilità

$L_{o,y}$ = 500,00 cm
$L_{o,z}$ = 500,00 cm
α_y = 0,34
α_z = 0,49
$N_{CR,y}$ = 9335067 N
$N_{CR,z}$ = 3252350 N
λ_y = 48
λ_z = 82
λ^*_y = 0,52
λ^*_z = 0,88
Φ_y = 0,69
Φ_z = 1,05
χ_y = 0,877
χ_z = 0,615
$N_{b,Rdy}$ = 2080291 N
$N_{b,Rd,z}$ = 1458660 N

Serie HE (UNI 5397) Classe acciaio S 235

Designazione HE 320 B



A = 161,30 cm^2
P = 127,00 kg/m
h = 320 mm
b = 300 mm

t_w = 11,5mm
t_f = 20,5mm
r_1 = 27 mm

Classe della sezione : Classe 1
c/t = 19,57 anima
c/t = 5,72 flangia

A_{Vy} =	129,22	cm^2	A_{Vz} =	51,73	cm^2	A_V =	51,77	cm^2
J_y =	30820,00	cm^4	J_z =	9239,00	cm^4	J_t =	225,10	cm^4
W_y =	1926,00	cm^3	W_z =	615,90	cm^3			
i_y =	13,82	cm	i_z =	7,57 cm		J_w =	2069000,00	cm^4
W_{ypl} =	2149,00	cm^3	W_{zpl} =	939,10	cm^3			

Resistenza

f_{yk} = 235 mm
f_{tk} = 360 mm
$A_{net,lim}$ = 139,28 cm^2

$N_{t,Rd}$ = 3610048 N
$N_{pl,Rd}$ = 3610048 N
$N_{u,Rd}$ = 4180896 N
$M_{el,Rd,y}$ = 431057 N m
$M_{el,Rd,z}$ = 137844 N m
$M_{pl,Rd,y}$ = 480967 N m
$M_{pl,Rd,z}$ = 210180 N m
$V_{c,Rd,z}$ = 668954 N
$N_{c,Rd}$ = 3610048 N

Stabilità

$L_{o,y}$ = 500,00 cm
$L_{o,z}$ = 500,00 cm
α_y = 0,34
α_z = 0,49
$N_{CR,y}$ = 25551221 N
$N_{CR,z}$ = 7659563 N
λ_y = 36
λ_z = 66
λ^*_y = 0,39
λ^*_z = 0,70
Φ_y = 0,61
Φ_z = 0,87
χ_y = 0,932
χ_z = 0,723
$N_{b,Rdy}$ = 3364155 N
$N_{b,Rd,z}$ = 2608754 N