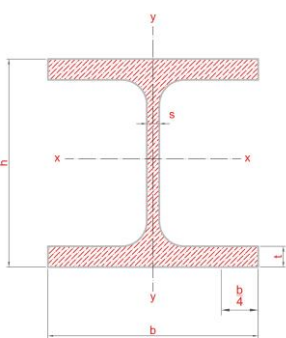
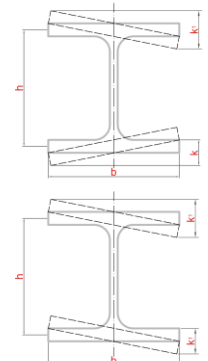
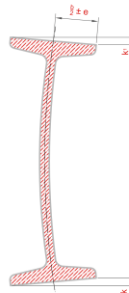
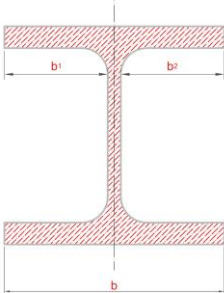
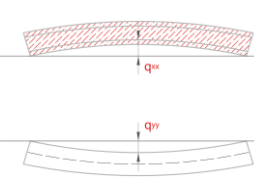
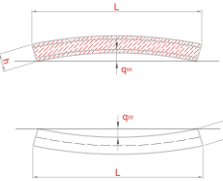
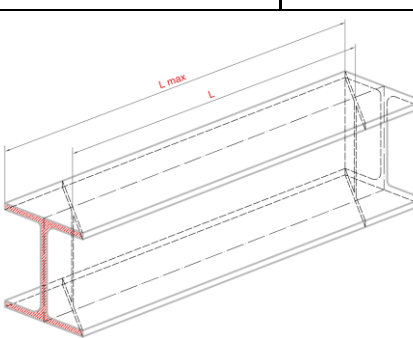


Prodotti Laminati a Caldo

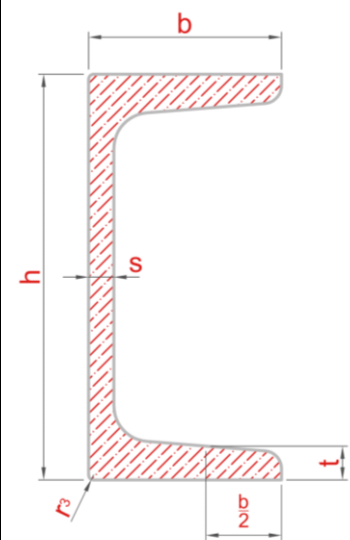
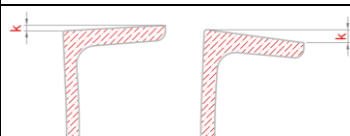
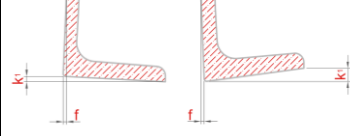
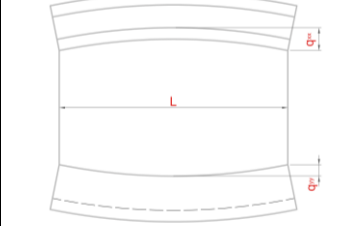
PRODOTTI LAMINATI A CALDO					
Profilo		IPE - HE		INP	
Norma		UNI EN 10034		UNI EN 10024	
Altezza - h (mm)		$h \leq 180$ $180 < h \leq 400$ $400 < h \leq 700$ $h > 700$	$+3$ -2 $+4$ -2 $+5$ -3 $+5$ -5	$h \leq 200$ $200 < h \leq 400$ $h > 400$	$\pm 2,00$ $\pm 3,00$ $\pm 4,00$
Larghezza ala - b (mm)		$b \leq 110$ $110 < b \leq 210$ $210 < b \leq 325$ $b > 325$	$+4$ -1 $+4$ -2 $+4$ -4 $+6$ -5	$b \leq 75$ $75 < b \leq 100$ $100 < b \leq 125$ $b > 125$	$\pm 1,50$ $\pm 2,00$ $\pm 2,50$ $\pm 3,00$
Spessore anima - s (mm)		$s < 7$ $7 \leq s < 10$ $10 \leq s < 20$ $20 \leq s < 40$ $40 \leq s < 60$ $s > 60$	$\pm 0,70$ $\pm 1,00$ $\pm 1,50$ $\pm 2,00$ $\pm 2,50$ $\pm 3,00$	$s < 7$ $7 < s \leq 10$ $s > 10$	$\pm 0,50$ $-1,00$ $\pm 0,70$ $-1,50$ $\pm 1,00$ $-2,00$
Spessore ala - t (mm)		$t < 6,5$ $6,5 \leq t \leq 10$ $10 \leq t < 20$ $20 \leq t < 30$ $30 \leq t < 40$ $40 \leq t < 60$ $t \geq 60$	$+1,50$ $-0,50$ $+2,00$ $-1,00$ $+2,50$ $-1,50$ $+2,50$ $-2,00$ $\pm 2,50$ $\pm 3,00$ $\pm 4,00$	$t \leq 7$ $7 \leq t \leq 10$ $10 < t \leq 20$ $t > 20$	$+1,50$ $-0,50$ $+2,00$ $-1,00$ $+2,50$ $-1,50$ $+2,50$ $-2,00$

Prodotti Laminati a Caldo

Profilo		IPE - HE		INP		
Norma	UNI EN 10034			UNI EN 10024		
Perpendicolarità - $k+k_1$ (mm)		$b \leq 110$ $b > 110$	1,50 2% di b (max 6,50)		$b \leq 100$ $b > 100$	2,00 2% di b
Simmetria - e (mm)		Se $t < 40$ $b \leq 110$ $110 < b \leq 325$ $b < 235$	Se $t \geq 40$ 2,50 3,50 5,00		$b \leq 100$ $b > 100$	2,00 3,00
		Se $t \geq 40$ $110 < b \leq 325$ $b < 235$	Se $t \geq 40$ 5,00 8,00			
Rettilinearità - q_{xx} - q_{yy} (mm)		$80 < h \leq 180$ $180 < h \leq 360$ $h > 360$	0,30% di L 0,15% di L 0,10% di L		$80 < h \leq 180$ $180 < h \leq 360$ $h > 360$	0,30% di L 0,15% di L 0,10% di L
Lunghezza - L (mm)			± 50 (normale) $+100$ (su accordo)			± 50 (normale) $+100$ (su accordo)
Massa - G (%)			$\pm 4,00$			

Prodotti Laminati a Caldo

Norma di Prodotto – UNI EN10279

TOLLERANZE		Profilati ad U a facce inclinate		Profilati ad U a facce parallele	
Altezza - h (mm)		h ≤ 65 65 < h ≤ 200 200 < h ≤ 400 h > 400	± 1,50 ± 2,00 ± 3,00 ± 4,00	h ≤ 65 65 < h ≤ 200 200 < h ≤ 400 h > 400	± 1,50 ± 2,00 ± 3,00 ± 4,00
Larghezza ala - b (mm)		b ≤ 50 50 < b ≤ 100 100 < b ≤ 125 b > 125	± 1,50 ± 2,00 ± 2,50 ± 3,00	b ≤ 50 50 < b ≤ 100 100 < b ≤ 125 b > 125	± 1,50 ± 2,00 ± 2,50 ± 3,00
Spessore anima - s (mm)		s ≤ 10 10 < s ≤ 15 s > 15	± 0,50 ± 0,70 ± 1,00	s ≤ 10 10 < s ≤ 15 s > 15	± 0,50 ± 0,70 ± 1,00
Spessore ala - t (mm)		t ≤ 10 10 < t ≤ 15 t > 15	± 0,50 ± 1,00 ± 1,50	t ≤ 10 10 < t ≤ 15 t > 15	± 0,50 ± 1,00 ± 1,50
Raggio di arrotondamento degli spigoli r ₃ - t (mm)		Tutte le dimensioni	≤ 0,30 t	Tutte le dimensioni	≤ 0,30 t
Perpendicolarità - k+k (mm)		b ≤ 100 b > 100	2,00 2,5% di b	b ≤ 100 b > 100	2,00 2,5% di b
Incurvamento dell'anima - f (mm)		h ≤ 100 100 < h ≤ 200 200 < h ≤ 400 h > 400	± 0,50 ± 1,00 ± 1,50 ± 1,50	h ≤ 100 100 < h ≤ 200 200 < h ≤ 400 h > 400	± 0,50 ± 1,00 ± 1,50 ± 1,50
Rettilinearità - q _{xx} e q _{yy} (mm)		t ≤ 150 150 < t ≤ 300 t > 300	± 0,30% di l ± 0,20% di l ± 0,15% di l	t ≤ 150 150 < t ≤ 300 t > 300	± 0,30% di l ± 0,20% di l ± 0,15% di l
		t ≤ 150 150 < t ≤ 300 t > 300	± 0,50% di l ± 0,30% di l ± 0,20% di l	t ≤ 150 150 < t ≤ 300 t > 300	± 0,50% di l ± 0,30% di l ± 0,20% di l
Lunghezza - l (mm)		Tutte le dimensioni	+ 100 0 (normale) ± 50 (su accordo)	Tutte le dimensioni	+ 100 0 (normale) ± 50 (su accordo)
Massa - G (%)		h < 125 h > 125	± 6% ± 4%	h < 125 h > 125	± 6% ± 4%

Schema di Taglio Travi e Ferri ad U

