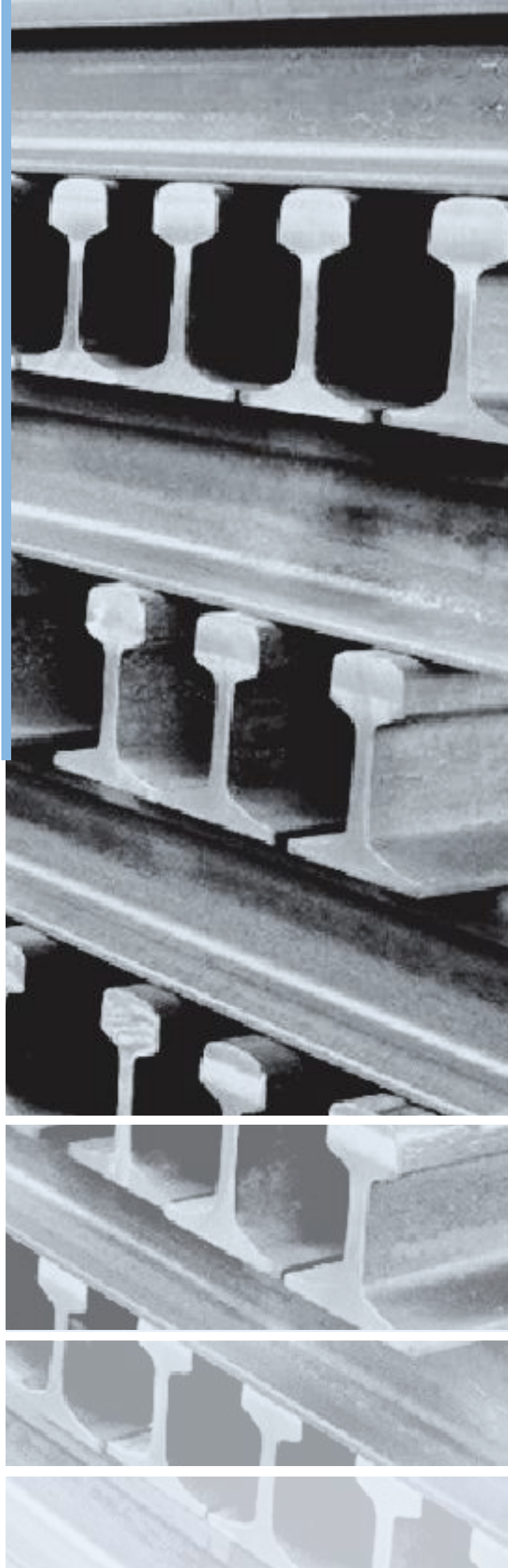




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STEEL RAILS

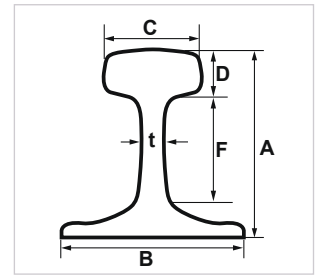


Rails

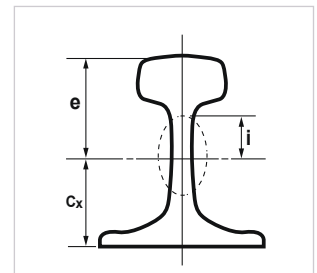
Dimensions and Properties

Standard Section Rails

Dimensions



| Rail Section | Weight | | Rail Height | | Base Width | | Head Width | | Head Height | | Web Thickness | | Web Height | |
|--------------|--------|--------|-------------|-------|------------|-------|------------|-------|-------------|-------|---------------|-------|------------|-------|
| | kg/m | kg/ft | A | | B | | C | | D | | t | | F | |
| | | | mm | in | mm | in | mm | in | mm | in | mm | in | mm | in |
| 6 kg | 5.98 | 1.823 | 50.50 | 2.000 | 50.80 | 2.000 | 25.40 | 1.000 | 14.29 | 0.563 | 4.76 | 0.188 | 27.78 | 1.094 |
| 9 kg | 8.94 | 2.725 | 63.50 | 2.500 | 63.50 | 2.500 | 32.10 | 1.264 | 17.48 | 0.688 | 5.90 | 0.232 | 35.72 | 1.406 |
| 10 kg | 10.08 | 3.072 | 66.67 | 2.625 | 66.67 | 2.625 | 34.13 | 1.344 | 18.26 | 0.719 | 6.35 | 0.250 | 37.30 | 1.469 |
| 12 kg | 12.17 | 3.709 | 69.85 | 2.750 | 69.85 | 2.750 | 38.10 | 1.500 | 19.85 | 0.781 | 7.54 | 0.297 | 37.70 | 1.484 |
| 15 kg | 15.17 | 4.624 | 79.37 | 3.129 | 79.37 | 3.129 | 42.86 | 1.687 | 22.22 | 0.875 | 8.33 | 0.328 | 43.65 | 1.719 |
| 22 kg | 22.30 | 6.794 | 93.66 | 3.687 | 93.66 | 3.687 | 50.80 | 2.000 | 26.69 | 1.051 | 10.72 | 0.422 | 50.00 | 1.969 |
| 30 kg | 30.10 | 9.169 | 107.95 | 4.250 | 107.95 | 4.250 | 60.33 | 2.375 | 30.95 | 1.219 | 12.30 | 0.484 | 57.55 | 2.266 |
| 37 kg | 37.20 | 11.325 | 122.24 | 4.813 | 122.24 | 4.813 | 62.71 | 2.469 | 36.12 | 1.422 | 13.49 | 0.531 | 64.69 | 2.547 |
| 40 kg | 39.90 | 12.148 | 127.00 | 5.000 | 127.00 | 5.000 | 63.50 | 2.500 | 38.10 | 1.500 | 13.89 | 0.547 | 66.68 | 2.625 |



Properties

| Rail Section | Weight | | Section Area | | Centre Of Gravity | | Moment Of Inertia | Radius Of Gyration | Modulus Of Section |
|--------------|--------|--------|-----------------|-----------------|-------------------|---------|----------------------|--------------------|----------------------|
| | kg/m | kg/ft | cm ² | in ² | Cx in | e in | I in ⁴ | i in | S in ³ |
| 6 kg | 5.98 | 1.823 | 7.6 | 1.178 | 0.958 | 1.042 | 0.744 | 0.795 | 0.715 |
| 9 kg | 8.94 | 2.725 | 11.4 | 1.767 | 1.215 | 1.285 | 1.499 | 0.917 | 1.167 |
| 10 kg | 10.08 | 3.072 | 12.6 | 1.953 | 1.266 | 1.361 | 1.613 | 0.904 | 1.185 |
| 12 kg | 12.17 | 3.709 | 15.8 | 2.449 | 1.340 | 1.410 | 2.374 | 0.989 | 1.683 |
| 15 kg | 15.17 | 4.624 | 19.3 | 2.991 | 1.532 | 1.593 | 3.750 | 1.114 | 2.355 |
| 22 kg | 22.30 | 6.794 | 28.4 | 4.402 | 1.780 | 1.909 | 8.144 | 1.358 | 4.247 |
| 30 kg | 30.10 | 9.169 | 38.3 | 5.936 | 2.051 | 2.201 | 14.558 | 1.567 | 6.590 |
| 37 kg | 37.20 | 11.325 | 47.3 | 7.331 | 2.299 | 2.512 | 22.870 | 1.768 | 9.092 |
| 40 kg | 39.90 | 12.148 | 50.7 | 7.859 | 2.382 | 2.618 | 26.426 | 1.835 | 10.068 |





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