


The most common way to calculate book capacity is on a linear feet basis. A common average for public and school libraries is 9.6 books per linear feet. For children's section capacity in both elementary schools and public libraries this may be raised to 16.3 books per linear feet. The shelving capacity for academic libraries is commonly averaged to be 8 books per linear feet. Based on a 36 " wide shelving unit, a per shelf capacity of 29 adult, 49 children, and 24 academic books can be established.

Trek shelving is available in 6 standard heights: $42^{\prime \prime}, 48^{\prime \prime}, 66^{\prime \prime}, 78^{\prime \prime}, 84^{\prime \prime}$, and $90^{\prime \prime}$;
3 standard widths: $24^{\prime \prime}, 30^{\prime \prime}$, and $36^{\prime \prime}$ in both single face and double face depths.

| Shelving Height | Number of Shelves | Adult Book Capacity/Unit |  |  | Children Book Capacity/Unit |  |  | Academic Book Capacity/Unit |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 24" W | 30 W | 36 W | 24" W | 30" W | 36" W | 24" W | 30" w | 36" w |
| $42^{\prime \prime}$ | $\begin{gathered} 3 \text { Shelves } \\ \text { (2 adjustable and } 1 \text { base) } \\ \hline \end{gathered}$ | 57 | 72 | 87 | 99 | 123 | 147 | 48 | 60 | 72 |
| $48^{\prime \prime}$ | 3 Shelves (2 adjustable and 1 base) | 57 | 72 | 87 | 99 | 123 | 147 | 48 | 60 | 72 |
| $66^{\prime \prime}$ | 4 Shelves <br> (3 adjustable and 1 base) | 76 | 96 | 116 | 132 | 164 | 196 | 64 | 80 | 96 |
| 78" | $\begin{gathered} 5 \text { Shelves } \\ \text { (4 adjustable and } 1 \text { base) } \end{gathered}$ | 95 | 120 | 145 | 165 | 205 | 245 | 80 | 100 | 120 |
| 84" | 6 Shelves (4 adjustable, 1 fixed and 1 base) | 114 | 144 | 174 | Height not recommended |  |  | 96 | 120 | 144 |
| $90^{\prime \prime}$ | 7 Shelves (5 adjustable, 1 fixed and 1 base) | 133 | 168 | 203 | Height not recommended |  |  | 112 | 140 | 168 |

The above formula is intended to provide for $10 \%$ expansion within a shelving unit before it is completely full. This will allow for circulation of books without the need of displacing existing books that are already shelved.

The metal shelves have a loaded weight capacity of 45 lbs . per square feet, without deflection in excess of $3 / 32^{\prime \prime}$ " Double face shelving units have twice the above stated capacities.

OTHER SHELF OPTIONS \& ACCESSORIES
METAL BROWSER BOX

- Widths are $24^{\prime \prime}, 30^{\prime \prime} \& 36$
- Depths are $10^{\prime \prime}, 12^{\prime \prime}$ \& $16^{\prime \prime}$

METAL ZIG ZAG DISPLAY SHELF

- Widths are $24^{\prime \prime}, 30^{\prime \prime} \& 36^{\prime \prime}$
- Depth is $5^{\prime \prime}$
- Height is $6^{\prime}$

Recommended options, but not limited to

## METAL GROOVED BOTTOM SHELF

- Widths are $24^{\prime \prime}, 30^{\prime \prime} \& 36$
- Depths are $10^{\prime \prime}, 12^{2}$ \& 14
- Height is $10^{\prime}$

SLOT WJALL DISPLAY SHELF

- Widths are $8^{\prime \prime}, 16^{\prime \prime} \& 32^{\prime \prime}$
- Depth is $4^{\prime \prime}$
- Height is 6 "


SLOTTED METAL SHELF

- Widths are $24^{\prime \prime}, 30^{\prime \prime} \& 36^{\prime \prime}$
- Depths are $10^{\prime \prime} \& 12^{\prime \prime}$

METAL MAGAZINE SHELF
"Widths are $24^{\prime \prime}, 30^{\prime \prime} \& 36^{\prime \prime}$ Height is 12

WK SLOPED MEDIA SHELF
Widths are $24^{\prime \prime}, 30^{\prime \prime} \& 36$

- Height is $8^{\prime \prime}$

METAL MEDIA SHELF

- Widths are 24 ", $30^{\prime \prime}$ \& 36
" Depth is $5^{\prime \prime}$
- Height is $12^{\prime \prime}$

