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Table 6-A is the same as AISC Manual Table 6-2, except it provides the available strength for $F_y = 65$ ksi and $F_u = 80$ ksi (ASTM A913 Grade 65). Discussion on the use of this table can be found in Part 6 of the AISC Manual. Table 6-B. Available Strength for Members Subject to Axial, Shear, Flexural and Combined Forces—W-Shapes

COMPANION TO THE AISC STEEL
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For angle legs $\geq 5"$, the potential for two rows of bolts exists. Thus, the gage "g1" is analogous to "g" for the other angle leg, and gage "g2" is the spacing between the first and second row of bolts. (See illustration and table in AISC 13th Edition Manual page 1-46.)

AISC 13th Edition Structural Shapes Properties Viewer ...
Select the lightest section from the AISC Manual design tables. From page of the AISC manual, select W16 x 26 made from 50 ksi steel with

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$\phi bM_p = 166.0$ kip-ft. Step III. Add self-weight of designed section and check design $w_{sw} = 26$ lbs/ft
Therefore, $w_D = 476$ lbs/ft = 0.476 kips/ft. $w_u = 1.2 \times 0.476 + 1.6 \times 0.55 = 1.4512$ kips/ft.

Chapter 2. Design of Beams – Flexure and Shear
15th Edition AISC Steel Construction Manual, is referred to as the AISC Manual. 2. The 2016 ASCE Minimum Design Loads and Associated Criteria for Buildings and Other Structures is referred to as ASCE/SEI 7. 3. The source of equations or tabulated values taken from the AISC

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Specification or AISC Manual is noted along the right-hand edge of the ...

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(This Preface is not part of ANSI/AISC 360-16, Specification for Structural Steel Buildings, but is included for informational purposes only.) This Specification is based upon past successful usage, advances in the state of knowledge, and changes in design practice. The 2016 American Institute of Steel Construction's

ANSI/AISC 360-16:
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Steel Buildings

tables aisc lrfd manual part 4 aisc provides sets of tables and charts which are useful in designing laterally supported beams the rst set is found in in part 1 of the aisc manual dimensions and properties which has been discussed previously the remaining four sets appear in part 4 of the aisc manual, aisc manual for design

Aisc Manual Tables -
nanoink.net

Select the lightest 8-inch deep, simply supported ERW HSS beam of $F_y = 50$ ksi (ASTM A500 Gr. C) to span 8 feet and support a maximum

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factored uniform load of 52 kips (includes the estimated weight of the HSS beam). The beam is laterally supported for its entire length. Enter the $F_y = 50$ ksi load tables for the 8-in. deep rectangular and

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so there is some confusion,
however the "beam tables"
included in the steel manual
are generic to beam analysis
and can be used to get the
forces out of a beam of any
type. So if your analyzing a
concrete beam for example:
simply supported with a
concentrated load at the
center - then you could use
the beam tables in the steel
manual to get that the
maximum moment is at the
center and $M=Pl/4$.

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Factor Design Specification
for Structural Steel
Buildings-December, 1993.”
The design strength loads
are based upon section
property data for HSS that
were recalculated in 1996 to
account for today’s more
precise manufacturing metho
ds.

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Aisc Steel Beam Tables - The Best Picture Of Beam
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