

Experience the power of the New Millennium advantage...

In your hands and at your fingertips!

Our latest catalog features SJI 43rd updates – and our NEW web-based and mobile specification tools provide the easiest way to specify steel joists, joist girders and metal decking.



Digital specification tools... for a better steel experience.

Our commitment to building a better steel experience embraces the use of digital technology to further simplify and accelerate the steel package design process. New Millennium pioneered IPD (integrated project delivery) with steel joists by making BIM-based process management a reality. Since early 2010, Dynamic Joist® has been the leading choice for BIM-based steel joist 3D design.

Introducing yet another industry first: Digital Specification Tools. Built upon our engineering expertise in steel joist and metal decking, and backed by our database of SJI 43rd Edition load and weight tables, New Millennium packs the power of our latest specification catalogs into advanced web and mobile applications.

You will find everything you need... from standard steel joists and joist girders, to our industry-leading special profile steel joists, to a wide range of roof, form, and composite floor decking.

Whether you're in the office or out in the field, New Millennium has you covered. Visit our website and go digital today.

- **Easier and faster specification**
- **Helpful cost-saving guidelines and options**
- **Mobile app for on-the-go convenience**
- **Complete range of digital design tools:**
 - Standard steel joists and steel joist girders
 - Special profile steel joists
 - Metal decking



NEW MILLENNIUM
BUILDING SYSTEMS

Discover the easiest way to specify steel joists and joist girders: www.newmill.com/digital-tools

Introducing the easiest way to specify steel joists and joist girders

NEW MILLENNIUM BUILDING SYSTEMS

HOME COMPANY PRODUCTS RESOURCES DOWNLOADS EMPLOYEES REQUEST A QUOTE CONTACT US

RESOURCES > SPECIFICATION TOOLS > K-SERIES & LH/DLH SERIES

K-Series & LH/DLH-Series

Standard steel joist specification tool

Determine your steel joist by one of the following:

☐ "Lowest weight" steel joist per SJI standard load tables

☒ "Lowest cost" steel joist per New Millennium economical load tables

Design Methodology

ASD

☒ U.S. units ☐ Metric units

Required Joist Specifications

Span (ft) Dead Load (psf) Live Load (psf)

Live Load Deflection Spacing Between Steel Joists (ft) Total Design Load (plf)

Optional Joist Specifications

Max. Joist Depth (in) Joist Series

Submit

Joist Designation: Joist Self-Weight (plf):

Total Bridging Rows Required	OSHA Erection Bridging Rows Required	Minimum Bearing Seat Depth (in)	Total Safe Load (plf)	Additional Joist Options
<input type="text" value="3"/>	<input type="text" value="1"/>	<input type="text" value="2.5"/>	<input type="text" value="208"/>	View

Note: It may be possible to reduce the costs of labor and scheduling by eliminating OSHA Erection Bridging. [Click here](#) to view a joist with no OSHA Erection Bridging required.

Our new digital tools are just like our catalogs only faster. No more flipping through pages and pages of tables searching for the data you need, it's all easily accessible on one screen.

For example, with the K-Series & LH/DLH-Series tool, you have the option of designating a joist via "lowest weight" or "lowest cost" methods. Choose between ASD or LRFD design methodology, and specify U.S. units of measure or metric. Enter your specifications, click submit and instantly see the joist best suited for your application, PLUS all of its relative data.

As a guide to reducing the costs for labor and scheduling, a one-click feature allows you to view a heavier joist option built with a larger top chord and greater lateral stiffness to eliminate the need for OSHA Erection Bridging. Additional steel joist options relative to your spec are also one simple click away.

All of our new digital tools feature interactive simplicity... tabbed entry fields, drop-down menus for fast specification, plus the ability to go back and change your entries for on-the-fly optional designations.

NEW MILLENNIUM BUILDING SYSTEMS

HOME COMPANY PRODUCTS RESOURCES DOWNLOADS EMPLOYEES REQUEST A QUOTE CONTACT US

RESOURCES > SPECIFICATION TOOLS > STEEL JOIST GIRDERS

Steel joist girders

Specification tool

Design Methodology

ASD

☒ U.S. units ☐ Metric units

Required girder specifications

Span (ft) Number of Steel Joist Spaces Spacing Between Steel Joists (ft)

Design Load on each Panel Point (kips)

Submit

Girder Designation: Girder Self-Weight (plf):

View

NEW MILLENNIUM BUILDING SYSTEMS

HOME COMPANY PRODUCTS RESOURCES DOWNLOADS EMPLOYEES REQUEST A QUOTE CONTACT US

RESOURCES > SPECIFICATION TOOLS > BOWSTRING JOISTS

Bowstring joists (SPGW)

Special profile steel joist specification tool

☒ U.S. units ☐ Metric units

Begin by defining the joist

Joist Profile Span (ft) Top Chord Uniform Load (plf)

Next, define the following 2 specifications

Center Depth (in) Top Chord Radius (ft) End Depth (in)

Submit

Data has changed. Please click "submit" to apply your changes.

Joist Designation: Joist Self-Weight (plf):

Total Bridging Rows Required	OSHA Erection Bridging Rows Required	Minimum Bearing Seat Depth (in)	Economical Load Table
<input type="text" value="4"/>	<input type="text" value="4"/>	<input type="text" value="7.5"/>	View



Discover the easiest way to specify steel joists and joist girders: www.newmill.com/digital-tools