

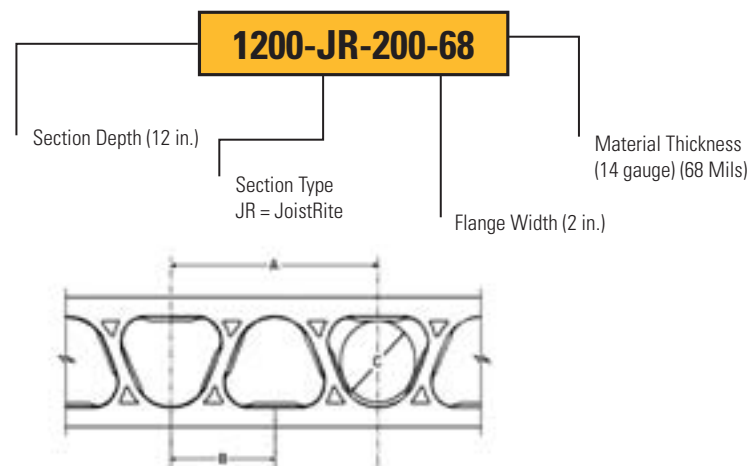
## SUPERIOR ENGINEERED JOIST SYSTEMS

*Experience a new level of creative freedom and practical advancements that make the patented JoistRite™ system superior to all other floor systems.*

The key to JoistRite's amazing design flexibility can be found in its unique engineering. Lip-reinforced triangular knockouts and embossments running along the length of its web allow for multiple advantages over traditional "C"s and engineered lumber, both in terms of labor-saving efficiencies and benefits to the overall structure itself. This same design serves to disperse sound, enhancing the acoustical quality of the structure, while reducing heat conductivity, significantly enhancing the product's thermal efficiency.

### Plus These Additional Advantages:

- Compatible with metal-to-wood and metal-to-metal framing techniques
- Rebar-like reinforcements provide improved bearing and span capabilities
- Unparalleled strength-to-weight ratio compared to any other product
- Superior dimensional stability
- Green Building Product – Nearly 100% recyclable
- New York City MEA 139-04 M
- UL L580 1-Hour Fire Assembly
- WHI Project Number 3101528 1-Hour Fire Assembly
- WHI Project Number 3099463 1.5-Hour Fire Assembly
- **JoistRite follows Steel Stud Manufacturers Association (SSMA) Codes:**



### Hole Sizes:

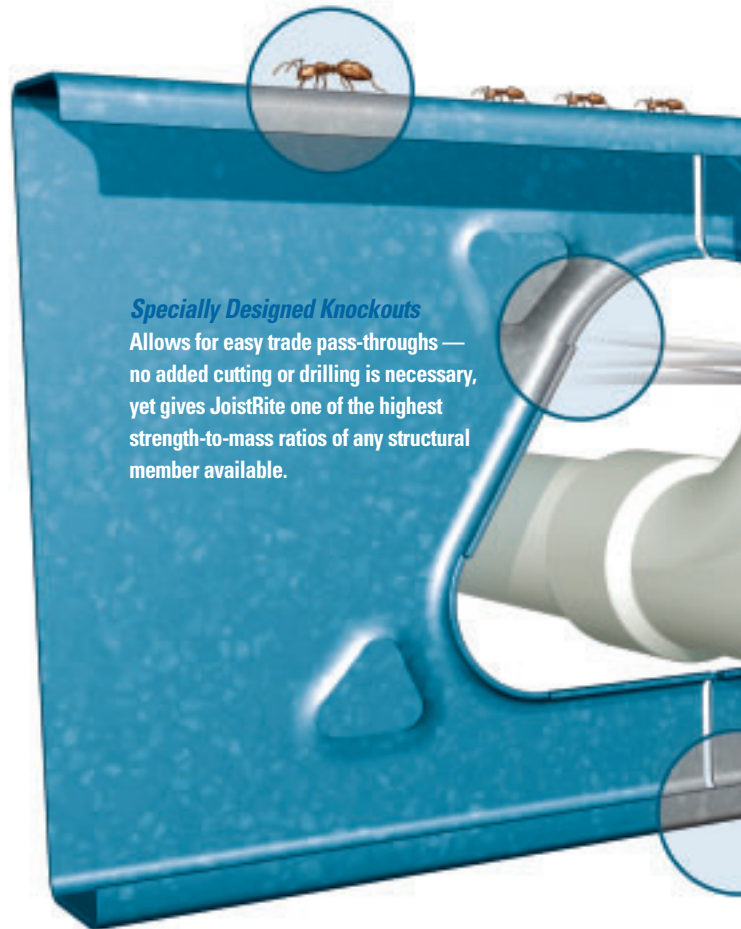
Section Depth in.	A Pitch in.	B 1/2 Pitch in.	C Max. Diameter in.
8	14.0	7.00	5.5
10	28.0	14.00	7.2
12	35.0	17.50	9.2
14	35.0	17.50	9.2

### Steel Thickness:

Product		Design		Minimum		ASTM C955 Color Code
Gauge	Mils	(in.)	(mm)	(in.)	(mm)	
18	43	0.0451	1.15	0.0428	1.09	Yellow
16	54	0.0566	1.44	0.0538	1.37	Green
14	68	0.0713	1.81	0.0677	1.72	Orange
12	97	0.1017	2.58	0.0966	2.45	Red

### Fire and Vermin Resistant

JoistRite will not support fungi (mold) and cannot be damaged by rodents, termites or other insects. It is fire-tested, non-combustible, easily panelized and corrosion-resistant and will not crack, shrink or rot.



### Specially Designed Knockouts

Allows for easy trade pass-throughs — no added cutting or drilling is necessary, yet gives JoistRite one of the highest strength-to-mass ratios of any structural member available.

# FROM INSIGHT TO JOBSITE



### Maximum Portability

Clear spans over 30' can be achieved and allow for unrestricted floor plans.

### Reinforced Lip Strength

25% of the steel has been removed, making JoistRite lighter than standard "C" shapes, even as the product maintains superior strength.

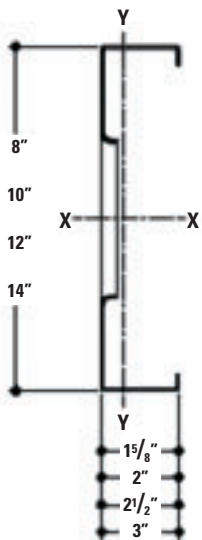


### Easy Handling

Lightweight, safe-edge technology makes transportation to and from the jobsite simple.



Short cut through sections saves wear on expensive cutting blades.



### Finish:

Galvanized in accordance with ASTM A924. Products will be furnished with a G-90 hot-dipped galvanized coating.

### Grades of Steel:

18 gauge joists  
Fy (min) = 33 KSI

16, 14 and 12 gauge joists  
Fy (min) = 50 KSI

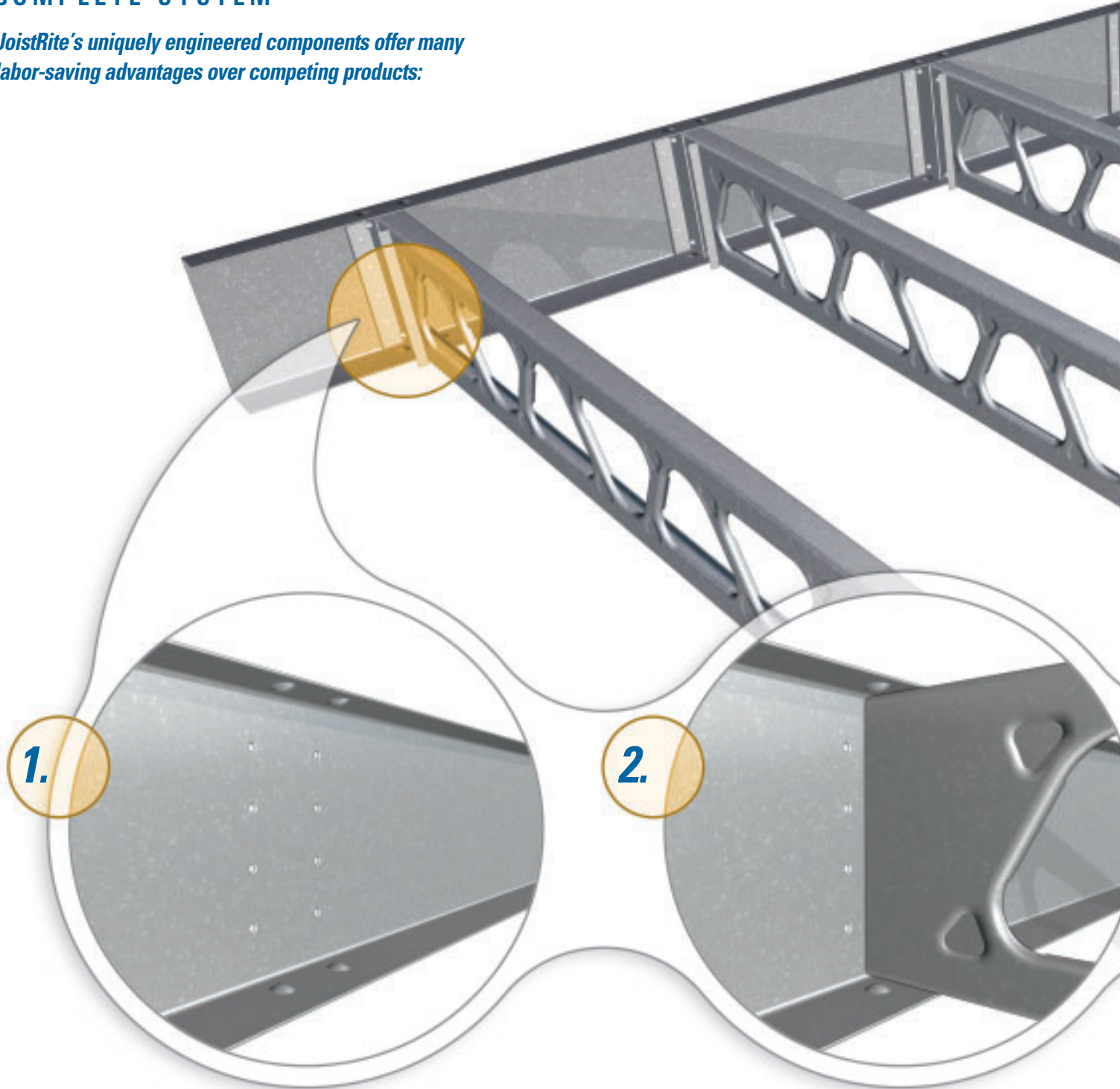
Manufactured to desired lengths. Other web sizes available upon request.

### How Does JoistRite Compare?

	Cost Efficient	Mold Proof	Termite Proof	Short Lead Times	Rust Resistant	Non-Combustible	Large Spans
JoistRite							
Red Iron							
Bar Joists							
Engineered Lumber							
Dimensional Lumber							
Open-Web Wood Trusses							

## COMPLETE SYSTEM

*JoistRite's uniquely engineered components offer many labor-saving advantages over competing products:*



### **JoistRite Track**

- **Pre-set spacing for joists** – built in “dimples,” located at conventional intervals along the track, surround the joist for easy initial placement.
- **Pre-drilled holes** – act as guides that assist in lining up components, while eliminating the need to fasten screws through both joist and track.



**FrameRite™**  
Connectors

**JoistRite Blocking**

Unlike traditional blocking, JoistRite blocking comes equipped with unique tabs which eliminate the need for additional accessory clips and fasteners – and additional clamping or fastening. The product is also pre-cut to fit between the joists, resulting in more stability based on less labor.

**JoistRite™**  
FLOOR JOIST SPAN TABLE (ft)

**15 psf Dead Load 40 psf Live Load**

SECTION IDENTIFICATION	DEFLECTION L/360		
	Single Span		
	Joist Spacing (in.) o.c.		
	12	16	24
800JR200-43	17.0	14.8	12.0
800JR200-54	19.0	17.3	15.1
800JR200-68	20.4	18.5	16.2
800JR200-97	22.6	20.5	17.9
1000JR200-54	22.4	20.3	17.8
1000JR200-68	24.0	21.8	19.1
1000JR200-97	26.7	24.2	21.2
1200JR200-54	25.7	23.3	20.0
1200JR200-68	27.6	25.0	21.9
1400JR200-97	30.6	27.8	24.3
1400JR200-68	31.9	29.0	25.3
1400JR200-97	35.5	32.3	28.2

**JoistRite™**

FLOOR JOIST SPAN TABLE (ft)

**15 psf Dead Load plus 60 psf Live Load**

SECTION IDENTIFICATION	LIVE LOAD		
	Single Span		
	Joist Spacing (in.) o.c.		
	12	16	24
800JR200-43	14.6	12.6	10.3
800JR200-54	16.6	15.1	13.2
800JR200-68	17.8	16.2	14.1
800JR200-97	19.7	17.9	15.7
1000JR200-54	19.6	17.8	15.5
1000JR200-68	21.0	19.1	16.7
1000JR200-97	23.3	21.2	18.5
1200JR200-54	22.4	20.4	14.7
1200JR200-68	24.1	21.9	19.1
1200JR200-97	26.8	24.3	21.2
1400JR200-68	27.9	25.3	22.1
1400JR200-97	31.0	28.2	24.6

**3.**

**FrameRite™**  
Connectors

**JoistRite Web Stiffeners**

JoistRite Web Stiffeners are the very first to come with pre-drilled holes and pre-cut to fit standard joist sizes, allowing for easier installation.