For more information, visit www.openjoist.com

OPEN JOIST™
WHERE SPEED MEETS STRENGTH

Open Joist™ Span Charts

9¼" Depth Maximum Live Load Deflection (L/360 & L/480, 1½" Minimum Bearing Each End)

Chord* Size	Chord* Grade	Loading(PSF) Live	Dead	12" O.C. L/360	12" O.C. L/480	16" O.C. L/360	16" O.C. L/480	19.2" O.C. L/360	19.2" O.C. L/480	24" O.C. L/360	24" O.C. L/480
3x2	#2	40	15	15'-9"	15'-9"	15'-9"	14'-11"	15'-6"	14'-0"	14'-3"	12'-10"
4x2	MSR 2100	40	15	19'-9"	19'-5"	19'-1"	17'-3"	17'-11"	16'-6"	16'-11"	--
3x2	#2	50	15	15'-9"	15'-3"	15'-3"	13'-9"	14'-3"	12'-10"	13'-2"	11'-11"
4x2	MSR 2100	50	15	19'-9"	17'-11"	17'-11"	16'-4"	16'-11"	--	--	--
3x2	#2	100	15	13'-2"	11'-11"	11'-11"	10'-8"	11'-1"	9'-11"	9'-3"	8'-9"

11⅞" Depth Maximum Live Load Deflection (L/360 & L/480, 1½" Minimum Bearing Each End)

Chord* Size	Chord* Grade	Loading (PSF) Live	Dead	12" O.C. L/360	12" O.C. L/480	16" O.C. L/360	16" O.C. L/480	19.2" O.C. L/360	19.2" O.C. L/480	24" O.C. L/360	24" O.C. L/480
3x2	#2	40	15	16'-9"	16'-9"	16'-9"	16'-9"	16'-9"	16'-8"	16'-9"	15'-2"
4x2	#2	40	15	18'-9"	18'-9"	18'-9"	18'-9"	18'-9"	18'-7"	17'-2"	17'-2"
4x2	MSR 2100	40	15	22'-9"	22'-9"	22'-9"	21'-0"	21'-5"	19'-10"	19'-3"	--
3x2	#2	50	15	16'-9"	16'-9"	16'-9"	16'-5"	16'-9"	15'-2"	15'-4"	14'-1"
4x2	#2	50	15	18'-9"	18'-9"	18'-9"	18'-5"	17'-8"	17'-3"	16'-3"	--
4x2	MSR 2100	50	15	22'-9"	21'-5"	21'-5"	19'-8"	20'-3"	--	--	--
3x2	#2	100	15	15'-7"	14'-1"	13'-11"	12'-9"	12'-3"	11'-11"	10'-4"	10'-4"
4x2	#2	100	15	16'-11"	--	--	--	--	--	--	--

* Because Open Joist is a "stock" product, the length of an Open Joist truss determines the size and grade of the truss chords (see tables). Maximum spans published on the chart above may be limited by standard joist configuration. To find maximum clear span for each truss depth in a given loading condition, refer to the bottom line of spans shown for that load condition.

Open Joist is accredited by International Code Council Evaluation Service Report Number ESR-1035 and is in compliance with the following codes: 2006 International Building Code (IBC), 2006 International Residential Code (IRC), BOCA National Building Code/1999 (BNBC), 1999 Standard Building Code (SBC), and the 1997 Uniform Building Code (UBC). Open Joist is accredited by the City of Los Angeles (RR#25376 and RR#25584), New York City (MEA#300-00-E), the city of Houston (#434B) and the State of Florida (FL#5828). Open Joist is certified by Canadian report #CCMC 12118R and is in compliance with Part 4 and Part 9 of the National Building Code of Canada 1995, the Ontario Building Code 1995 and CAN/CSA-086.1-M94 standards for limit state design and controlled vibration standards. Code approval reports available at www.openjoist.com.

Details on fire resistance assemblies for one and two-hour endurance are available on
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Universal Forest Products®

OPEN JOIST™ Span Charts

WHERE SPEED MEETS STRENGTH

14" Depth Maximum Live Load Deflection (L/360 & L/480, 1½" Minimum Bearing Each End)											
Chord* Size	Chord* Grade	Loading (PSF) Live	Dead	12" O.C. L/360	12" O.C. L/480	16" O.C. L/360	16" O.C. L/480	19.2" O.C. L/360	19.2" O.C. L/480	24" O.C. L/360	24" O.C. L/480
3x2	#2	40	15	17'-9"	17'-9"	17'-9"	17'-9"	17'-9"	17'-9"	17'-9"	16'-4"
4x2	#2	40	15	20'-9"	20'-9"	20'-9"	20'-9"	20'-9"	19'-10"	18'-9"	18'-5"
4x2	MSR 2100	40	15	24'-9"	24'-9"	24'-8"	22'-9"	23'-5"	21'-2"	20'-10"	--
3x2	#2	50	15	17'-9"	17'-9"	17'-9"	17'-7"	17'-9"	16'-5"	16'-4"	15'-3"
4x2	#2	50	15	20'-9"	20'-9"	20'-9"	19'-8"	19'-9"	18'-6"	--	--
4x2	MSR 2100	50	15	24'-9"	23'-2"	23'-2"	21'-0"	21'-10"	--	--	--
3x2	#2	100	15	16'-9"	15'-2"	14'-4"	13'-8"	12'-10"	12'-8"	10'-9"	10'-9"
4x2	#2	100	15	18'-4"	--	--	--	--	--	--	--

16" Depth Maximum Live Load Deflection (L/360 & L/480, 1½" Minimum Bearing Each End)											
Chord* Size	Chord* Grade	Loading (PSF) Live	Dead	12" O.C. L/360	12" O.C. L/480	16" O.C. L/360	16" O.C. L/480	19.2" O.C. L/360	19.2" O.C. L/480	24" O.C. L/360	24" O.C. L/480
3x2	#2	40	15	16'-9"	16'-9"	16'-9"	16'-9"	16'-9"	16'-9"	16'-9"	16'-9"
4x2	#2	40	15	21'-9"	21'-9"	21'-9"	21'-9"	21'-9"	21'-9"	21'-9"	21'-9"
4x2	MSR 2100	40	15	25'-9"	25'-9"	25'-9"	25'-9"	25'-9"	25'-6"	25'-9"	22'-5"
4x2	MSR 2400	40	15	29'-9"	29'-8"	29'-9"	27'-7"	28'-5"	--	26'-10"	--
3x2	#2	50	15	16'-9"	16'-9"	16'-9"	16'-9"	16'-9"	16'-9"	16'-9"	16'-9"
4x2	#2	50	15	21'-9"	21'-9"	21'-9"	21'-9"	21'-9"	21'-9"	21'-9"	20'-10"
4x2	MSR 2100	50	15	25'-9"	25'-9"	25'-9"	25'-0"	25'-9"	22'-5"	23'-10"	--
4x2	MSR 2400	50	15	29'-9"	28'-2"	28'-3"	--	26'-10"	--	--	--
3x2	#2	100	15	16'-9"	16'-9"	16'-8"	16'-8"	13'-6"	13'-6"	11'-4"	11'-4"
4x2	#2	100	15	21'-9"	20'-10"	19'-1"	19'-0"	16'-9"	15'-9"	--	--
4x2	MSR 2100	100	15	23'-3"	--	--	--	--	--	--	--

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