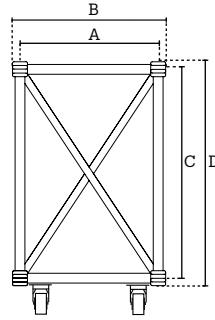


# ST76R

The ST76R is a large, heavy-duty fork and pin truss series. The revolutionary design of ST76R delivers all of the advantages of Thomas SuperTruss in a 76 x 52 cm (30" x 20.5") layout. Extended spans and super heavy loads required by the entertainment industry are covered by the ST76R. The SuperTruss 76R series provides a substantial increase in load bearing capacity compared to the GP Heavy Duty Truss. Truss comes standard without castor wheels.



Code:			<b>4ST76R</b>
Main Chords:	mm	in	<b>51x4</b> (2"x5/32")
Diagonals:	mm	in	<b>25.4x3</b> (1"x7/64")
Alloy:			<b>EN - AW 6061 T6</b>
A	mm	in	<b>470</b> (18 1/2")
B	mm	in	<b>521</b> (20 1/2")
C	mm	in	<b>711</b> (27 63/64")
D	mm	in	<b>762</b> (30")
Connection:			<b>Fork/Pin</b>

## Standard lengths and weights

Code	<b>4ST76R-L1000</b>	<b>4ST76R-L1500</b>	<b>4ST76R-L2000</b>	<b>4ST76R-L2500</b>	<b>4ST76R-L3000</b>
Old code	JT B2910	JT B2915	JT B2920	JT B2925	JT B2930
m	<b>1.00</b> (3' 3")	<b>1.50</b> (4' 11")	<b>2.00</b> (6' 7")	<b>2.50</b> (8' 2")	<b>3.00</b> (9' 10")
ft					

## Standard corner gates available:

	<b>Corner gate 60°</b>	<b>Corner gate 90°</b>	<b>Corner gate 120°</b>	<b>Corner gate 135°</b>	<b>Corner gate 120° with lifting point</b>
Code	<b>4ST76R-G2-60°</b>	<b>4ST76R-G2-90°</b>	<b>4ST76R-G2-120°</b>	<b>4ST76R-G2-135°</b>	<b>4ST76R-G2-120°LP</b>
Old code	JT B2900	JT B2901	JT B2904	JT B2903	JT B2905



Corner gates



Corner gate 120° with lifting point

### All truss loading calculations and TUV certifications are based on:

Truss supported or suspended at both ends • Static loadings only • Loads applied in the node points • Self-weight of the truss included • Spans made of different truss lengths • Interaction of bending moment and shear force at connector is considered • Structural calculations are based on EN 1991, EN 1993 and EN 1999 • All loading data should be multiplied by 0.85 to comply with BS 7905-2 / ANSI E1.2-2006 / CWA 15902-2 / prEN 17115 • For any other application, or in case of an assembled structure contact JTE or a structural engineer • Included safety factors: self-weight 1.35 / loading 1.50