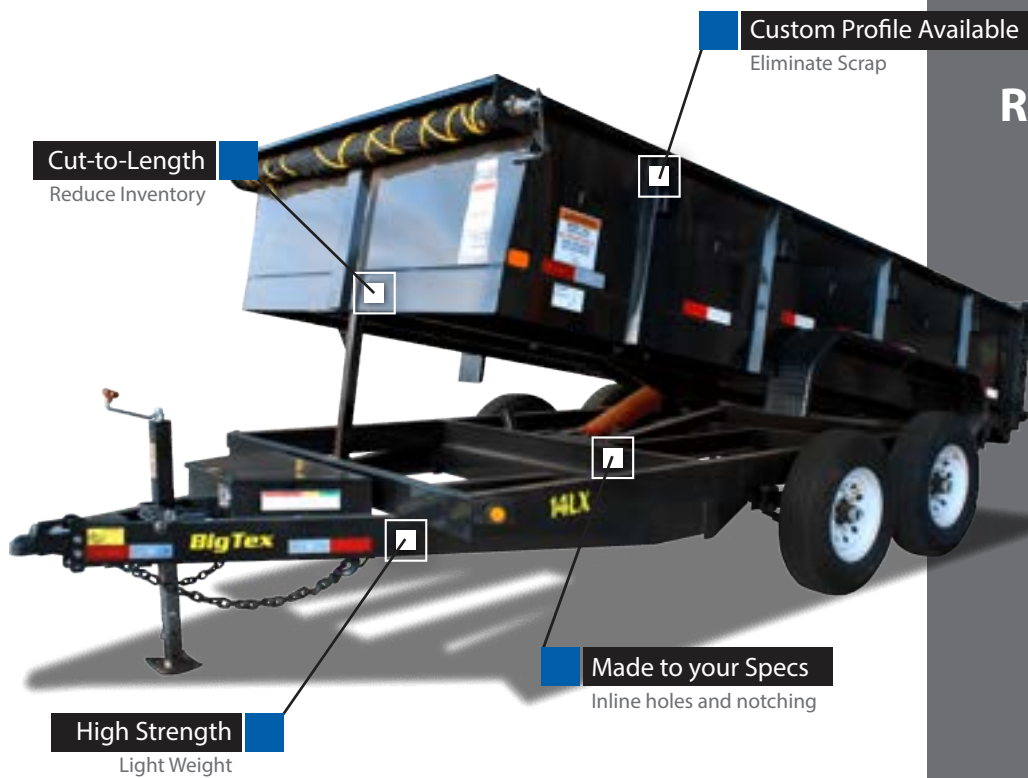


ROLL FORM



RELIABLE & INNOVATIVE

HIGH STRENGTH, LIGHT WEIGHT

CUT-TO-LENGTH

MADE TO YOUR SPECS

CUSTOM SHAPES

INLINE HOLES & NOTCHING

TOOLING INVESTMENT WAIVED
ON QUALIFIED ORDERS

ROLL FORM

STRENGTH COMPARISON

Using stronger material allows similar roll formed shapes to be significantly stronger than standard steel.

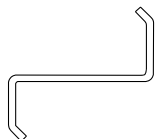
Standard Structural A36 VS. Roll Form Grade 50

82.5" Crossmember	A36	9 Gauge	9 Gauge	8 Gauge	7 Gauge
Shape	C3X3.5#	C3X1.5	C3.25X1.5	C3X1.5	C3X1.5
Height (in)	3	3	3.25	3	3
Width	1.274	1.5	1.5	1.5	1.5
Minimum Yield (psi)	36000	50000	50000	50000	50000
Material Thickness (in)	0.132	0.142	0.142	0.156	0.171
Zxx (in ³)	0.931	0.699	0.78	0.755	0.813
Wt (lbs/ft)	3.48	2.67	2.79	2.92	3.18
Max Load (Distributed)	3249	3387	3780	3659	3940
% Stronger	0%	4%	16%	13%	21%
Wt Savings (%)	0%	23%	20%	16%	9%

Standard Grade 50 VS. Roll Form Grade 70

82.5" Crossmember	Grade 50	9 Gauge	9 Gauge	8 Gauge	7 Gauge
Shape	C3X3.5#	C3X1.5	C3.25X1.5	C3X1.5	C3X1.5
Height (in)	3	3	3.25	3	3
Width	1.274	1.5	1.5	1.5	1.5
Minimum Yield (psi)	50000	70000	70000	70000	70000
Material Thickness (in)	0.132	0.142	0.142	0.156	0.171
Zxx (in ³)	0.931	0.699	0.78	0.755	0.813
Wt (lbs/ft)	3.48	2.67	2.79	2.92	3.18
Max Load (Distributed)	4512	4742	5292	5123	5516
% Stronger	0%	5%	17%	14%	22%
Wt Savings (%)	0%	23%	20%	16%	9%

Strength Formula: Load Calc: $W = S \cdot 8 \cdot Z / L$



	PRODUCT	GAUGE	LENGTH
Channel	2.00" x 1.125"	14 / 12 / 11 / 10 / 7	CTL
	3.00" x 1.500"	14 / 12 / 11 / 10 / 7	CTL
	4.00" x 1.500"	14 / 12 / 11 / 10 / 7	CTL
Angle	1.00" x 1.00"	14 / 12 / 11 / 10 / 7	CTL
	1.50" x 1.50"	14 / 12 / 11 / 10 / 7	CTL
	2.00" x 2.00"	14 / 12 / 11 / 10 / 7	CTL
	2.50" x 1.50"	14 / 12 / 11 / 10 / 7	CTL
	2.50" x 2.50"	14 / 12 / 11 / 10 / 7	CTL
	3.00" x 2.00"	14 / 12 / 11 / 10 / 7	CTL
Hat Channel	2-5/8" x 1-1/8"	18 / 16	CTL
Z Channel	1" x 1" x 1"	18 / 16	CTL
Purlin Galvanized / Red Oxide	C	16	CTL
	U	16	CTL
	Z	16	CTL