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ARKTON STEEL INC.
"Welding Quality into your Product"

Z-Channels

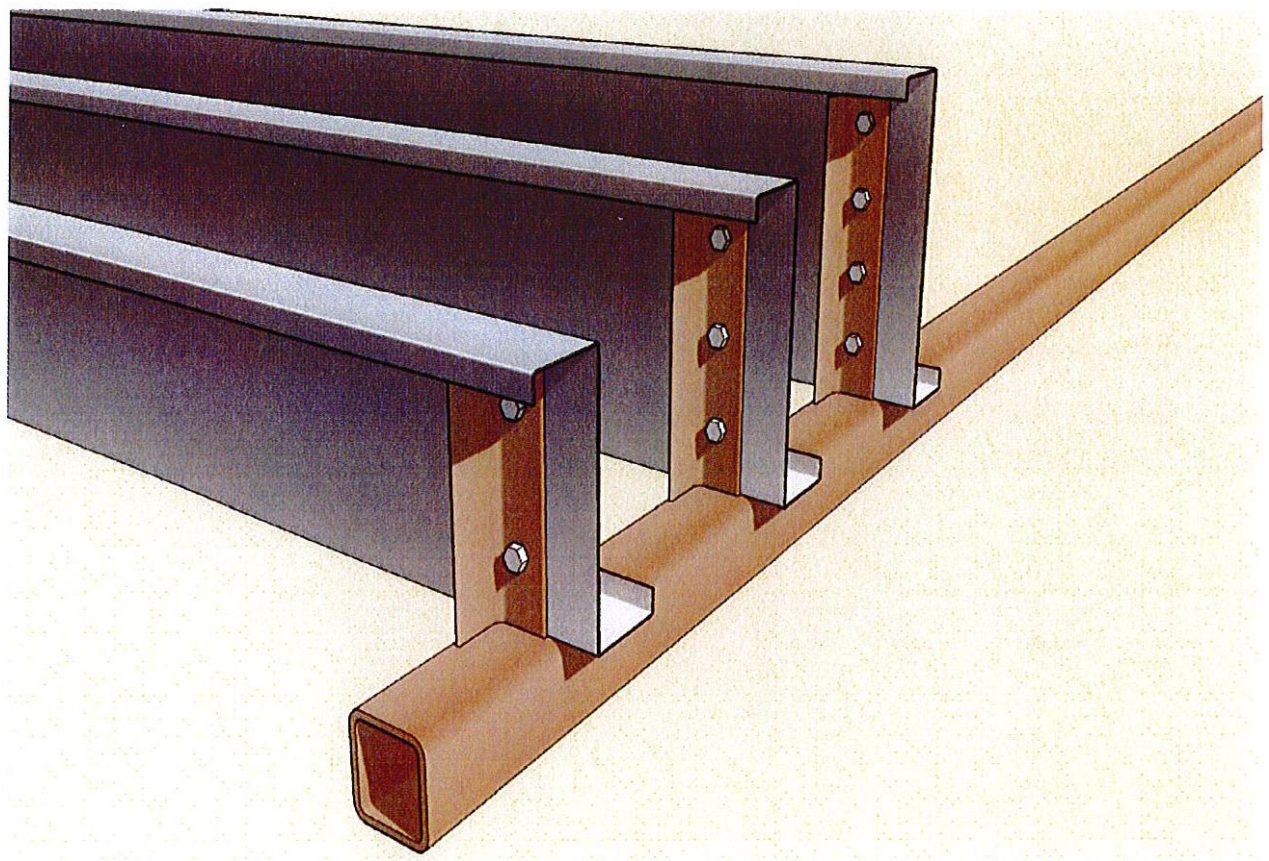
BROAD RANGE OF SIZES

8" TO 11" - LENGTHS UP TO 35'

REDUCES WEIGHT

ALLOWS EXTENSIVE DESIGN FLEXIBILITY

REDUCES COST



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Z-Channels

STRAIGHTNESS: The permissible variation for straightness shall be 1:500 of the length

TWIST: Maximum twists in 3 ft. not to exceed 1/8"

MATERIAL STANDARDS: Yield strength (before rolling) 50,000 psi

Z-SECTION PURLIN SPAN TABLE

NOMINAL SIZE	GAUGE	WEIGHT LBS/FT	DIMENSION OF SECTION			LOAD TABLES (PLF) (WSD)											
			THICKNESS	WIDTH	FLANGE												
			INCH	INCH	INCH	10'	12'	14'	16'	18'	20'	22.5'	25'	27.5'	30'	32.5'	35'
8-3-16	16	3.08	.060	8	3	436	303	223	170	135	109	86	70				
8-3-14	14	3.83	.075	8	3	579	402	296	226	179	145	114	93				
8-3-13	13	4.58	.090	8	3	705	489	360	275	217	176	139	113				
11-3-14	14	4.62	.075	11	3	895	621	456	349	276	224	177	143	118	99	85	73
11-3-13	13	5.52	.090	11	3	1090	756	556	425	336	272	215	174	144	121	103	89

DISCLAIMER: The load table above is based on bending stress only. The designer should check deflection provide lateral support to compression flanges, and web at supports, etc. Suggested applications are to be used as guidelines only. See detailed engineering design tables for more specific data.

8-3-12 available by special order
 11-3-12 available by special order
 11-3-16 available by special order

VARIATIONS IN DIMENSIONS: Measurements taken to verify compliance with outside dimensions, squareness, etc., shall be taken at least 6" from either end of the section.

WALL THICKNESSES: Standard steel mill tolerances for coiled flat rolled sheet to prevail.

LENGTH: $\pm 1/16$ on cut to length and punching.

STRAIGHTNESS: The permissible variation for straightness shall be 1:500 of the length

SQUARENESS OF SIDES: Adjacent sides may deviate from 90° by $\pm 2^\circ$.

TWIST: Maximum twist in 3 ft. not to exceed 1/8".

WELDING: The material has good weldability. Any of the standard welding processes can be used. E70XX Electrodes will meet the strength of the parent metal.

MECHANICAL PROPERTIES
 MATERIAL STANDARDS:

Yield strength (Before rolling) 50000 psi