



GEE SECTION PROPERTIES

GEE SECTION PHYSICAL PROPERTIES						
SIZE	D (IN)	B (IN)	L (IN)	T (IN)	WGT (LB/FT)	A (IN ²)
EP8.5X8.5X16	8.5	2.625/8.5	0.940	0.058	4.733	1.392

GEE SECTION FULL PROPERTIES							
SIZE	I _x (IN ⁴)	r _x (IN)	I _y (IN ⁴)	r _y (IN)	J (IN ⁴)	C _w (IN ⁶)	r _o (IN)
EP8.5X8.5X16	14.143	3.223	14.143	3.223	0.001527	197.075	9.027

GEE SECTION EFFECTIVE PROPERTIES								
SIZE	I _x (IN ⁴)	S _{xc} (IN ³)	S _{xt} (IN ³)	M _n (K IN)	M _a (K IN)	V _a (KIPS)	DEFL. I _x (IN ⁴)	A _e (IN ²)
EP8.5X8.5X16 TOP	11.004	1.802	4.596	99.110	59.466	2.050	12.651	0.639
EP8.5X8.5X16 BOTTOM	10.269	2.681	2.199	120.945	72.567	2.050	10.594	0.639

NOTES:

- SECTION PROPERTIES ARE CALCULATED IN ACCORDANCE WITH THE 1996 AISI SPECIFICATION AND THE 1999 SUPPLEMENT FOR THE DESIGN OF COLD FORMED STEEL MEMBERS.
- BENDING ALLOWABLES SHOWN MAY BE UTILIZED FOR MEMBERS HAVING THE COMPRESSION FLANGE CONTINUOUSLY FASTENED TO DECK OR SHEATHING.