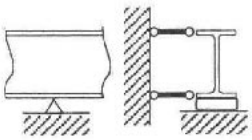
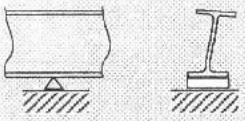
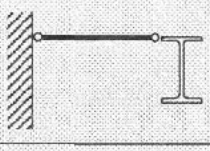
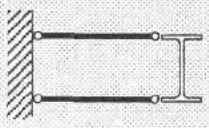
Restraint at Root *	Restraint at Tip	Value of K for load at Top Flange	Value of K for load at Other Part
Top flange laterally supported 		2.5	1.0
		2.5	0.9
bottom flange laterally supported and section torsionally restrained about its longitudinal axis		1.2	0.7
Top flange laterally unsupported 		7.5	3.0
		7.5	2.7
bottom flange lateral-torsionally restrained about its longitudinal axis		3.6	2.1

Details illustrated within the shaded area are **Not Recommended** for Gerber-cantilever design. However, all values listed within this table are used in assessing the proposed design K-values as shown in Fig. A2.

* - section free to rotate about weak axis.
- design cases represent continuous girder in which length of the back span is longer than the cantilever length.
- Kirby-Nethercot diagram (Ref. 18) of restraint at root has been modified to better illustrate the structural restraint assumptions.

$$M_u = \frac{\pi}{K L_c}\sqrt{E I_y G J + \frac{\pi^2 E^2}{(K L_c)^2} I_y C_w}$$

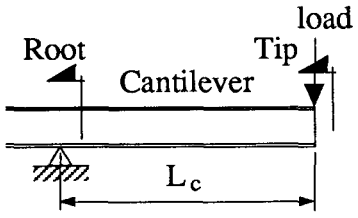


Fig. A1 Kirby-Nethercot Proposed Effective Length Factors (K)