

### Midclamp and Endclamp Loads per Module



#### Module Condition Definitions:

**END-END:** The END-END module shown above, correlating with the loads below, indicates a module that is secured by 4 Endclamps on 2 rails.

**END-MID/MID-END:** The END-MID and MID-END modules shown above, correlating with the loads below, indicate modules that are secured by 2 Endclamps and 2 Midclamps on 2 rails.

**MID-MID:** The MID-MID module shown above, correlating with the loads below, indicate a module that is properly secured by 4 Midclamps on 2 rails.

Midclamp and Endclamp Loads per Module							
Rail	Loading Condition (with Respect to the Rail)	Allowable Load (lbs)			Design Load (lbs)		
		End-End	End-Mid & Mid-End	Mid-Mid	End-End	End-Mid & Mid-End	Mid-Mid
SM/SM HD	Z+, Tension	1836	1751	1666	2780	2726	2672
	Y±, Transverse*	178*	315*	428	269*	476*	647
	X±, Sliding	244	244	850	368	368	1286
	Y±, Transverse w/33mm Module	67	248	428	102	373	647
SM LT	Z+, Tension	1260	1234	1208	1908	1867	1826
	Y±, Transverse*	139*	225*	419	211*	340*	634
	X±, Sliding	266	266	840	402	402	1270
	Y±, Transverse w/33mm Module	67	225	419	102	340	634

\*For transverse loads associated with using "C" Endclamps and 33 mm Modules, please see "Y±, Transverse w/33mm Module"

**Midclamp:** Part No. - 302027C, 302027D, 302028C, 302028D, 302029C, 302029D. Material - Stainless Steel 300 Series. Ultimate Tensile Strength - 85 ksi. Finish - Clear or Black Oxide. Weight - 0.05 lbs (23 g).

**Endclamp:** Part No. - 302021C, 302021D, 302022C, 302022D, 302023C, 302023D, 302024C, 302024D, 302025C, 302025D, 302026C, 302026D. Material - 6000 Series Aluminum Alloys. Ultimate Tensile Strength - 38 ksi. Yield Strength - 35 ksi. Finish - Clear or Dark Anodized. Weight ~ 0.06 lbs (26 g)

\*\*\*NOTE: See NOTES on Page H2.