Bar Size	Sec. Mod. Per Ft. Of Width**	Moment of Inertia**	Cross Bar Size	Maximum Safe Clear Span, Inches - Partially Distributed Load			
				1 Ton	3 Ton	5 Ton	H-15/H-20
1" x 1/4"	.421	.211	3/8" Dia.	7"	6"	7"	9"
1" x 3/8"	.632	.316	3/8" Dia.	9"	8"	9"	11"
1-1/4" x 1/4"	.658	.411	3/8" Dia.	10"	8"	9"	12"
1-1/4" x 3/8"	.987	.617	3/8" Dia.	14"	10"	12"	14"
1-1/2" x 1/4"	.947	.711	3/8" Dia.	13"	10"	11"	14"
1-1/2" x 5/16"	1.184	.888	3/8" Dia.	16"	11"	13"	16"
1-1/2" x 3/8"	1.421	1.066	3/8" Dia.	19"	13"	14"	18"
1-3/4" x 1/4"	1.289	1.128	3/8" Dia.	17"	12"	14"	17"
1-3/4" x 3/8"	1.934	1.692	1/2" Dia.	25"	17"	18"	21"
2" x 1/4"	1.684	1.684	3/8" Dia.	22"	15"	16"	20"
2" x 5/16"	2.105	2.105	3/8" Dia.	28"	18"	19"	23"
2" x 3/8"	2.526	2.526	1/2" Dia.	33"	21"	22"	26"
2-1/4" x 1/4"	2.132	2.398	3/8" Dia.	28"	18"	19"	23"
2-1/4" x 3/8"	3.197	3.597	1/2" Dia.	41"	26"	26"	31"
2-1/2" x 1/4"	2.632	3.289	3/8" Dia.	34"	22"	22"	27"
2-1/2" x 5/16"	3.289	4.112	3/8" Dia.	42"	27"	27"	31"
2-1/2" x 3/8"	3.947	4.934	1/2" Dia.	50"	31"	31"	36"
3" x 1/4"	3.789	5.684	3/8" Dia.	49"	30"	30"	35"
3" x 5/16"	4.737	7.105	3/8" Dia.	60"	37"	36"	42"
3" x 3/8"	5.684	8.526	1/2" Dia.	67"*	44"	43"	49"
3-1/2" x 1/4"	5.158	9.026	3/8" Dia.	66"	40"	39"	45"
3-1/2" x 3/8"	7.737	13.539	1/2" Dia.	85"*	58"	56"	64"
4" x 1/4"	6.737	13.473	3/8" Dia.	85"*	51"	50"	57"
4" x 5/16"	8.421	16.842	3/8" Dia.	95"*	63"	61"	70"
4" x 3/8"	10.105	20.210	1/2" Dia.	96"	75"	72"	80"*
4-1/2" x 1/4"	8.526	19.184	3/8" Dia.	96"	64"	61"	70"
4-1/2" x 3/8"	12.789	28.776	1/2" Dia.	96"	94"*	90"	95"*
5" x 1/4"	10.526	26.315	3/8" Dia.	96"	78"	75"	85"
5" x 5/16"	13.158	32.894	1/2" Dia.	96"	96"	92"	96"
5" x 3/8"	15.789	39.473	1/2" Dia.	96"	96"	96"	96"
6" x 1/4"	15.158	45.473	1/2" Dia.	96"	96"	96"	96"
6" x 5/16"	18.947	56.841	1/2" Dia.	96"	96"	96"	96"
6" x 3/8"	22.737	68.209	1/2" Dia.	96"	96"	96"	96"

* Span limited to 1/400 of span = Deflection.

** Based on 10.105 bars/ft of grating width. Bearing bars 1-3/16" center to center.