

TRAPEZE BRACING

Typical Trapeze

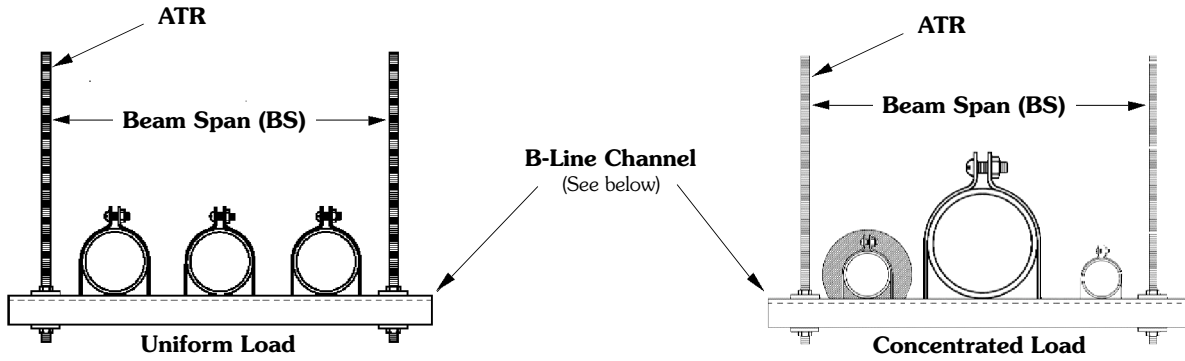


Table 4

Beam Span (BS)	Channel Type & Uniform Beam Load Rating														
	B22SH		B22		B22A		B12		B12A*		B11		B11A*		
	in.	(mm)	lbs.	(kN)	lbs.	(kN)	lbs.	(kN)	lbs.	(kN)	lbs.	(kN)	lbs.	(kN)	
12"	(305)	2553	(11.35)	2837	(12.62)	8165	(36.32)	5498	(24.45)	3259	(14.49)	4395	(19.54)	4309	(19.16)
24"	(610)	1276	(5.68)	1418	(6.31)	4083	(18.16)	2750	(12.23)	3259	(14.49)	4395	(19.54)	4309	(19.16)
36"	(914)	851	(3.78)	946	(4.21)	2722	(12.11)	1833	(8.15)	3259	(14.49)	2930	(13.03)	4309	(19.16)
48"	(1219)	638	(2.84)	709	(3.15)	2042	(9.08)	1374	(6.11)	3259	(14.49)	2197	(9.77)	4309	(19.16)
60"	(1524)	511	(2.27)	568	(2.52)	1633	(7.26)	1100	(4.89)	3231	(14.37)	1758	(7.82)	4309	(19.16)
72"	(1829)	426	(1.89)	473	(2.10)	1361	(6.05)	916	(4.07)	2693	(11.98)	1465	(6.51)	4309	(19.16)
84"	(2133)	365	(1.62)	405	(1.80)	1167	(5.19)	785	(3.49)	2308	(10.26)	1256	(5.58)	3824	(17.01)
96"	(2438)	319	(1.42)	354	(1.57)	1021	(4.54)	687	(3.05)	2019	(8.98)	1011	(4.49)	3346	(14.88)
108"	(2743)	284	(1.26)	315	(1.40)	908	(4.04)	611	(2.72)	1795	(7.98)	977	(4.34)	2974	(13.23)
120"	(3048)	255	(1.13)	283	(1.26)	817	(3.63)	550	(2.44)	1616	(7.19)	879	(3.91)	2677	(11.91)

- Loads shown in chart have a safety factor of 2.
 - Based on uniformly loaded simple span with adequate lateral bracing using an allowable stress of 21,000 psi (144.7 MPa).
 - To determine concentrated load capacity at mid-span, multiply the uniform load by 0.5.
 - Refer to note 3c) on page 17 for uniform and concentrated load requirements.
 - Use 90% of the solid channel loads for corresponding SH and SHA channels.
 - Refer to note Q) on page 10 for installations requiring insulated pipe.
- * These back to back channels are mig welded.

Table 4A

Structure Connection Type	Channel type and maximum beam span for longitudinal beam loading													
	B22SH		B22		B22A		B12		B12A*		B11		B11A*	
	in.	(mm)	in.	(mm)	in.	(mm)	in.	(mm)	in.	(mm)	in.	(mm)	in.	(mm)
I	176	(4470)	196	(4978)	391	(9931)	276	(7010)	552	(14021)	357	(9068)	714	(18135)
II	103	(2616)	114	(2895)	228	(5791)	161	(4089)	322	(8179)	208	(5283)	416	(10566)
III	68	(1727)	76	(1930)	152	(3861)	107	(2718)	215	(5461)	139	(3530)	278	(7061)
IV	46	(1168)	51	(1295)	101	(2565)	72	(1829)	143	(3632)	93	(2362)	185	(4699)
V	32	(813)	35	(889)	70	(1778)	50	(1270)	99	(2514)	64	(1625)	128	(3251)



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