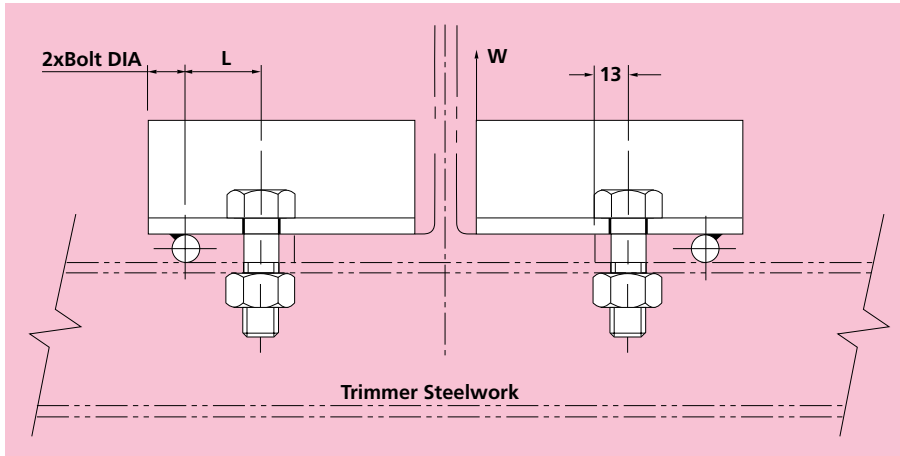


172 UNIVERSAL BEAM CLIP*



Material: Carbon Steel Order by Part Number and Beam Reference

SELECTION

1. Find the beam reference from Table A. (e.g. K2).
2. Look under the column in Table B corresponding to the beam reference letter (K in this instance) to find the max. load W for each cleat size.
3. From the magnitude and location of the applied loadings, check that the allowable cleat load (W) is not exceeded.

TABLE A

BEAM SIZE			BEAM SIZE			BEAM SIZE			
DEPTHxWIDTH	MASS/LENGTH kg/M	BEAM REF.	DEPTHxWIDTH	MASS/LENGTH kg/M	BEAM REF.	DEPTHxWIDTH	MASS/LENGTH kg/M	BEAM REF.	
914x419	388	A1	533x210	122	J1	406x152	74	R1	
	343	A2		109	J2		67	R2	
				101	J3		60	R3	
914x305	289	C1		457x191	92	J4	381x152	67	S1
	253	C2			82	J5		60	S2
	224	C3			98	K1		52	S3
	201	C4	89		K2	43	T1		
610x305	238	D1	82		K3	254x146	37	T2	
	179	D2	74	K4	31		T3		
	149	D3	67	K5	406x140		46	U1	
828x292	226	E1	406x178	74		L1	39	U2	
	194	E2		67		L2	203x133	30	V1
	176	E3		60	L3	25		V2	
762x267	197	F1		54	L4	356x127		39	W1
	173	F2		356x171	67		M1	33	W2
	147	F3			57		M2	48	X1
686x254	170	G1	51		M3	305x127	42	X2	
	152	G2	45	M4	37		X3		
	140	G3	54	N1	305x102		33	Y1	
610x229	140	H1	305x165	46		N2	28	Y2	
	125	H2		40		N3	25	Y3	
	113	H3		457x152	82	P1	28	Z1	
	101	H4	74		P2	25	Z2		
			67	P3	254x102	22	Z3		

TABLE B

PART No.	ROLLED STEEL ANGLE SIZE	BOLT	LTH L	BEAM REF															
				Y&Z	W&X	V	U	P,R,S&T	N	M	L	K	J	H	G	F	E	C&D	A
				MAXIMUM LOAD W PER CLEAT IN kgf and kN															
F172-1	70x70x10	M16	35	630	565	530	520	495	465	460	450	425	410	380	360	350	325	315	245
				6.2	5.5	5.2	5.1	4.9	4.6	4.5	4.4	4.2	4.0	3.7	3.5	3.4	3.2	3.1	2.4
F172-2	70x70x10	M16	50	765	695	660	650	620	585	580	565	545	520	490	465	450	425	415	325
				7.5	6.8	6.5	6.4	6.1	5.7	5.7	5.5	5.3	5.1	4.8	4.6	4.4	4.2	4.1	3.2
F172-3	70x70x10	M16	75	920	850	815	805	780	740	735	720	695	670	635	605	590	560	550	445
				9	8.3	8.0	7.9	7.6	7.3	7.2	7.1	6.8	6.6	6.2	5.9	5.8	5.5	5.4	4.4
F172-4	70x70x10	M16	100	1025	960	925	915	890	850	845	830	805	780	750	715	700	665	655	540
				10.1	9.4	9.1	9.0	8.7	8.3	8.3	8.1	7.9	7.6	7.4	7.0	6.9	6.5	6.4	5.3
F172-5	80x80x10	M20	125	1720	1625	1575	1560	1520	1460	1455	1435	1395	1355	1305	1255	1230	1180	1160	970
				16.9	15.9	15.4	15.3	14.9	14.3	14.3	14.1	13.7	13.3	12.8	12.3	12.1	11.6	11.4	9.5
F172-6	80x80x10	M20	150	1805	1720	1675	1660	1620	1565	1560	1540	1500	1465	1415	1365	1340	1290	1270	1080
				17.7	16.9	16.4	16.3	15.9	15.3	15.3	15.1	14.7	14.4	13.9	13.4	13.1	12.7	12.5	10.6
F172-7	90x90x12	M24	175	2320	2220	2165	2150	2105	2040	2035	2010	1965	1920	1860	1805	1775	1710	1685	1450
				22.8	21.8	21.2	21.1	20.6	20.0	20.0	19.7	19.3	18.8	18.2	17.7	17.4	16.8	16.5	14.2

kgf kN