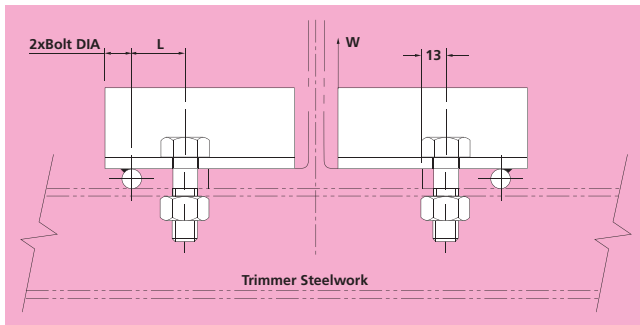


# 172 UNIVERSAL BEAM CLIP\*



## 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.

**Material: Carbon Steel Order by Part Number and Beam Reference**

**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
914x305	289	C1		101	J3		60	R3
	253	C2		92	J4	67	S1	
	224	C3		82	J5	60	S2	
	201	C4	98	K1	52	S3		
610x305	238	D1	89	K2	43	T1		
	179	D2	82	K3	37	T2		
	149	D3	74	K4	31	T3		
828x292	226	E1	67	K5	46	U1		
	194	E2	74	L1	39	U2		
	176	E3	67	L2	30	V1		
762x267	197	F1	60	L3	25	V2		
	173	F2	54	L4	39	W1		
	147	F3	67	M1	33	W2		
686x254	170	G1	57	M2	48	X1		
	152	G2	51	M3	42	X2		
	140	G3	45	M4	37	X3		
610x229	140	H1	54	N1	33	Y1		
	125	H2	46	N2	28	Y2		
	113	H3	40	N3	25	Y3		
	101	H4	82	P1	28	Z1		
457x152			74	P2	25	Z2		
			67	P3	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	
F172-1	70x70x10	M16	35	630	565	530	520	495	465	460	450	425	410	380	360	350	325	315	245	
F172-2	70x70x10	M16	50	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	
				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