

For your most demanding applications

The 1450 x 770 mm MILOS 145 Rectangular ultra-strength truss is made from special, high strength steel alloys and handles up to 3 times more load than aluminium truss with similar dimensions at just double the weight. It features double fork couplers, zinc coated pins and is painted black.



- Use of bespoke, high-strength steels
- Orientation-free connector arrangement for ease of use
- Greatly increases load capacity when used in place of aluminium truss in the market with similar dimensions
- Optimised weight to strength ratio
- Pinned connectors for increased strength
- Integrated forklift pick up points
- Matt black, impact-resistant industrial paint finish
- Optimised webbing pattern for ease of use when assembling cross trusses
- End braces with 16mm holes for lateral connection

S-RTW

145 Rectangular Steel Truss



S-RTW		Members vertical:				Members horizontal:					
Chords:		Diagonals:		End braces:		Diagonals:		End braces:		Intermediate cross braces:	
101.6 x 4 mm	4" x 0.16"	60.3 x 4 mm	2.4" x 0.16"	60.3 x 4 mm	2.4" x 0.16"	48.3 x 3 mm	1.9" x 0.1"	80 x 60 x 4 mm	32" x 2.4" x 0.16"	48.3 x 3 mm 1.9" x 0.1"	
Self weight:		Coupler:									
130 kg/m	87 lbs/ft	Fork									

S-RTW	LOADING CHART										
Span	m	ft	15	16	17	18	19	20	21	22	23
Point load	kg	lbs	30379	28367	26584	24994	23564	22272	21097	20024	19039
Deflection	mm	inch	47	54	61	68	76	85	93	103	113
Two point load	kg	lbs	21123	21064	19938	18745	17673	16704	15823	15049	14379
Deflection	mm	inch	56	67	77	86	96	107	118	130	142
Three point load	kg	lbs	14082	14043	13292	12497	11782	11136	10549	10012	9525
Deflection	mm	inch	52	63	72	80	90	99	110	122	135
Four point load	kg	lbs	10561	10532	10053	10414	9819	9280	8791	8352	7963
Deflection	mm	inch	50	60	72	85	95	105	116	128	141
Distributed load	kg/m	lbs/ft	2816	2633	2471	2327	2199	2083	1978	1883	1797
Deflection	mm	inch	41	50	60	71	84	98	113	129	146
Span	m	ft	22	23	24	25	26	27	28	29	30
Point load	kg	lbs	20024	19039	18131	17291	16511	15785	15106	14474	13888
Deflection	mm	inch	103	113	123	134	145	157	169	183	197
Two point load	kg	lbs	15018	14279	13598	12968	12384	11839	11330	10854	10402
Deflection	mm	inch	129	141	154	167	181	195	210	226	243
Three point load	kg	lbs	10012	9519	9066	8646	8256	7893	7553	7234	6936
Deflection	mm	inch	121	132	144	156	169	182	196	211	227
Four point load	kg	lbs	8343	7933	7555	7205	6880	6577	6294	6030	5785
Deflection	mm	inch	127	139	152	165	178	192	207	223	240
Distributed load	kg/m	lbs/ft	1820	1656	1511	1383	1270	1169	1079	996	920
Deflection	mm	inch	126	138	151	164	177	191	206	222	239
Span	m	ft	29	30	31	32	33	34	35	36	37
Point load	kg	lbs	14470	13873	13310	12779	12277	11800	11348	10920	10516
Deflection	mm	inch	182	195	209	223	238	253	269	285	301
Two point load	kg	lbs	10853	10405	9983	9585	9208	8850	8511	8181	7869
Deflection	mm	inch	225	241	258	275	292	310	329	348	368
Three point load	kg	lbs	7235	6937	6655	6390	6138	5900	5674	5461	5260
Deflection	mm	inch	211	226	242	258	275	292	310	329	348
Four point load	kg	lbs	6029	5780	5546	5325	5115	4917	4728	4550	4382
Deflection	mm	inch	222	238	254	271	289	307	325	345	364
Distributed load	kg/m	lbs/ft	998	925	859	799	744	694	648	605	565
Deflection	mm	inch	221	236	253	269	287	305	323	342	361
Span	m	ft	36	37	38	39	40	41	42	43	44
Point load	kg	lbs	10917	10507	10115	9740	9381	9037	8706	8388	8082
Deflection	mm	inch	286	303	321	339	358	377	397	417	437
Two point load	kg	lbs	8188	7880	7586	7305	7036	6778	6529	6289	6058
Deflection	mm	inch	349	368	389	410	432	454	477	501	525
Three point load	kg	lbs	5459	5253	5057	4870	4691	4518	4353	4196	4045
Deflection	mm	inch	328	347	367	387	408	429	451	474	497
Four point load	kg	lbs	4549	4378	4215	4058	3907	3761	3620	3484	3352
Deflection	mm	inch	345	364	385	405	427	449	471	494	517
Distributed load	kg/m	lbs/ft	607	568	532	499	469	441	415	390	366
Deflection	mm	inch	342	362	382	403	424	446	469	492	515
Span	m	ft	43	44	45	46	47	48	49	50	51
Point load	kg	lbs	8388	8082	7786	7501	7227	6960	6702	6452	6210
Deflection	mm	inch	418	440	462	484	508	532	557	582	607
Two point load	kg	lbs	6291	6061	5840	5626	5419	5220	5028	4843	4665
Deflection	mm	inch	500	524	549	574	600	626	652	679	706
Three point load	kg	lbs	4194	4041	3893	3751	3613	3480	3352	3229	3111
Deflection	mm	inch	474	497	520	545	570	596	622	649	675
Four point load	kg	lbs	3495	3367	3244	3126	3011	2900	2793	2690	2591
Deflection	mm	inch	495	519	543	568	594	620	646	672	698
Distributed load	kg/m	lbs/ft	390	367	346	326	307	290	274	258	243
Deflection	mm	inch	492	516	540	565	591	617	643	669	695



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