

# M290B



## DUO M290B

UNITS Metric Imperial

DUO figures are based on use in vertical position and stabilised every 1 m

Span in m/ft	4,00	13,12	6,00	19,69	8,00	26,25	10,00	32,81	12,00	39,37	14,00	45,93	16,00	52,50
point load in kg/lbs	587	1294,11	387	853,19	286	630,52	224	493,83	182	401,24	152	335,10	128	282,19
deflection in mm (inch)	12,0	0,47	28,0	1,09	50,0	1,95	79,0	3,08	114,0	4,45	156,0	6,08	206,0	8,03
two point load in kg (lbs)	385	848,78	290	639,34	214	471,79	168	370,38	137	302,03	114	251,33	96	211,64
deflection in mm (inch)	14,0	0,55	36,0	1,40	64,0	2,50	100,0	3,90	143,0	5,58	195,0	7,61	254,0	9,91
distrib. load (UDL) in kg/m (lbs/ft)	192	129,00	127	85,33	71	47,70	45	30,24	30	20,16	22	14,78	16	10,75
total distrib. load (UDL) in kg (lbs)	768	1693,15	762,0	1679,92	568,0	1252,22	450,0	992,08	360,0	793,66	308,0	679,02	256,0	564,38
deflection in mm (inch)	10,0	0,39	35,0	1,37	62,0	2,42	97,0	3,78	140,0	5,46	191,0	7,45	249,0	9,71

## TRIO M290B

TRIO figures are based on use in apex down orientation

Span in m/ft	4,00	13,12	6,00	19,69	8,00	26,25	10,00	32,81	12,00	39,37	14,00	45,93	16,00	52,50
point load in kg/lbs	504	1111,13	329	725,32	239	526,90	184	405,65	145	319,67	117	257,94	94	207,23
deflection in mm (inch)	11,0	0,43	24,0	0,94	43,0	1,68	69,0	2,69	100,0	3,90	138,0	5,38	182,0	7,10
two point load in kg (lbs)	378	833,35	247	544,54	179	394,63	138	304,24	109	240,30	87	191,80	70	154,32
deflection in mm (inch)	14,0	0,55	31,0	1,21	55,0	2,15	85,0	3,32	123,0	4,80	167,0	6,51	218,0	8,50
distrib. load (UDL) in kg/m (lbs/ft)	252	169,32	110	73,91	60	40,31	37	24,86	24	16,13	17	11,42	12	8,06
total distrib. load (UDL) in kg (lbs)	1008	2222,26	658,0	1450,64	480,0	1058,22	370,0	815,71	288,0	634,93	238,0	524,70	192,0	423,29
deflection in mm (inch)	13,0	0,51	30,0	1,17	53,0	2,07	84,0	3,28	120,0	4,68	164,0	6,40	214,0	8,35

## QUATRO M290B

Span in m/ft	4,00	13,12	6,00	19,69	8,00	26,25	10,00	32,81	12,00	39,37	14,00	45,93	16,00	52,50
point load in kg/lbs	1171	2581,61	771	1699,76	568	1252,22	444	978,85	359	791,46	297	654,77	248	546,75
deflection in mm (inch)	12,0	0,47	28,0	1,09	50,0	1,95	79,0	3,08	115,0	4,49	157,0	6,12	207,0	8,07
two point load in kg (lbs)	852	1878,34	578	1274,27	426	939,17	333	734,14	269	593,04	222	489,43	186	410,06
deflection in mm (inch)	15,0	0,59	36,0	1,40	64,0	2,50	100,0	3,90	143,0	5,58	195,0	7,61	254,0	9,91
distrib. load (UDL) in kg/m (lbs/ft)	426	286,23	257	172,68	142	95,41	89	59,80	60	40,31	42	28,22	31	20,85
total distrib. load (UDL) in kg (lbs)	1704	3756,67	1542,0	3399,52	1136,0	2504,45	890,0	1962,11	720,0	1587,33	588,0	1296,32	496,0	1093,49
deflection in mm (inch)	11,0	0,43	35,0	1,37	62,0	2,42	97,0	3,78	140,0	5,46	191,0	7,45	249,0	9,71

## STANDARD LENGTHS AVAILABLE AND WEIGHTS

m (ft)	0,50	1,64	1,00	3,28	1,50	4,92	2,00	6,56	2,50	8,20	3,00	9,84	4,00	13,12	5,00	16,41
Duo-kg(lbs)	1,50	3,31	3,35	7,39	5,00	11,02	6,00	13,23	7,50	16,53	9,00	19,84	12,00	26,46	15,00	33,07
Trio-kg(lbs)	2,25	4,96	4,50	9,92	6,80	14,99	9,00	19,84	11,25	24,80	13,50	29,76	18,00	39,68	22,50	49,60
Quatro-kg(lbs)	2,95	6,50	5,90	13,01	8,90	19,62	11,80	26,01	14,75	32,52	17,70	39,02	23,60	52,03	29,50	65,04

connection material (pins/clips/cons) and packaging not included in above weights

# M290V



## DUO M290V

UNITS Metric Imperial

DUO figures are based on use in vertical position and stabilised every 1 m

Span in m/ft	4,00	13,12	6,00	19,69	8,00	26,25	10,00	32,81	12,00	39,37	14,00	45,93	16,00	52,50
point load in kg/lbs	733	1615,99	483	1064,83	357	787,05	280	617,29	227	500,45	189	416,67	160	352,74
deflection in mm (inch)	11,0	0,43	25,0	0,98	45,0	1,76	70,0	2,73	102,0	3,98	140,0	5,46	184,0	7,18
two point load in kg (lbs)	422	930,35	363	800,28	268	590,84	210	462,97	171	376,99	142	313,06	120	264,55
deflection in mm (inch)	11,0	0,43	32,0	1,25	57,0	2,22	89,0	3,47	128,0	4,99	174,0	6,79	227,0	8,85
distrib. load (UDL) in kg/m (lbs/ft)	211	141,77	140	94,07	89	59,80	56	37,63	38	25,53	27	18,14	20	13,44
total distrib. load (UDL) in kg (lbs)	844	1860,70	840,0	1851,88	712,0	1569,69	560,0	1234,59	456,0	1005,31	378,0	833,35	320,0	705,48
deflection in mm (inch)	8,0	0,31	27,0	1,05	56,0	2,18	87,0	3,39	125,0	4,88	170,0	6,63	222,0	8,66

## TRIO M290V

TRIO figures are based on use in apex down orientation

Span in m/ft	4,00	13,12	6,00	19,69	8,00	26,25	10,00	32,81	12,00	39,37	14,00	45,93	16,00	52,50
point load in kg/lbs	630	1398,91	411	906,10	289	639,18	230	507,06	182	401,24	146	321,87	118	260,15
deflection in mm (inch)	10,0	0,39	22,0	0,86	39,0	1,52	61,0	2,38	89,0	3,47	123,0	4,80	163,0	6,36
two point load in kg (lbs)	472	1040,58	308	679,02	224	493,83	172	379,19	136	299,83	109	240,30	88	194,01
deflection in mm (inch)	12,0	0,47	27,0	1,05	49,0	1,91	76,0	2,96	110,0	4,29	149,0	5,81	194,0	7,57
distrib. load (UDL) in kg/m (lbs/ft)	315	211,65	137	92,05	75	50,39	46	30,91	30	20,16	21	14,11	15	10,08
total distrib. load (UDL) in kg (lbs)	1260	2777,82	822,0	1812,20	600,0	1322,77	460,0	1014,13	360,0	793,66	294,0	648,16	240,0	529,11
deflection in mm (inch)	12,0	0,47	27,0	1,05	48,0	1,87	75,0	2,93	107,0	4,17	146,0	5,69	191,0	7,45

## QUATRO M290V

Span in m/ft	4,00	13,12	6,00	19,69	8,00	26,25	10,00	32,81	12,00	39,37	14,00	45,93	16,00	52,50
point load in kg/lbs	1464	3227,56	964	2125,25	710	1565,28	555	1223,56	449	989,87	371	817,91	311	685,64
deflection in mm (inch)	11,0	0,43	25,0	0,98	45,0	1,76	71,0	2,77	102,0	3,98	140,0	5,46	185,0	7,22
two point load in kg (lbs)	849	1871,72	723	1593,94	532	1172,86	416	917,12	337	742,96	278	612,88	233	513,68
deflection in mm (inch)	11,0	0,43	32,0	1,25	57,0	2,22	89,0	3,47	128,0	4,99	174,0	6,79	227,0	8,85
distrib. load (UDL) in kg/m (lbs/ft)	425	285,56	281	188,80	177	118,93	111	74,58	75	50,39	53	35,61	39	26,20
total distrib. load (UDL) in kg (lbs)	1700	3747,85	1686,0	3716,99	1416,0	3121,74	1110,0	2447,13	900,0	1984,16	742,0	1635,83	624,0	1375,68
deflection in mm (inch)	8,0	0,31	27,0	1,05	56,0	2,18	87,0	3,39	125,0	4,88	170,0	6,63	222,0	8,66

## STANDARD LENGTHS AVAILABLE AND WEIGHTS

m (ft)	0,50	1,64	1,00	3,28	1,50	4,92	2,00	6,56	2,50	8,20	3,00	9,84	4,00	13,12	5,00	16,41
Duo-kg(lbs)	1,65	3,64	3,85	8,49	5,80	12,79	6,60	14,55	8,00	17,84	9,90	21,83	13,20	29,10	16,50	36,38
Trio-kg(lbs)	2,50	5,51	5,00	11,02	7,50	16,53	10,00	22,05	12,50	27,56	15,00	33,07	20,00	44,09	25,00	55,12
Quatro-kg(lbs)	3,20	7,05	8,00	17,64	11,50	25,35	12,80	28,22	16,00	35,27	19,20	42,33	25,60	56,44	32,00	70,55

connection material (pins/clips/cons) and packaging not included in above weights