





A diagram of a simple beam supported at both ends. A downward-pointing semi-circular arrow is positioned in the center of the beam, representing a point load.

Pick & Carry 0.4 m/s (1.44 km/h): On rubber 66.6%

 RC (kg) < than 10° articulation
 RC (kg) > than 10° articulation
 Boom angle
 Radius at 0° boom angle

m	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	m	
1.4	25000	25000	25000	25000	25000	25000	25000	25000										1.4	
	21000	19600	18100	16900	15900	15000	14250	13600											
2.0	48	51	54	57	59	61	62	65										2.0	
	23400	23400	23250	23350	23350	23300	23300	23300	23250	22150	19300								
	20650	18850	17150	15850	14800	13900	13200	12550	11950	11450	11000								
2.5	40	44	48	51	54	57	59	61	62	64	65							2.5	
	21450	21400	21350	21350	21300	21250	21250	21200	21200	20450	17750	15550	14600						
	18900	17700	16450	15050	13950	13100	12350	11700	11150	10700	10250	9850	9500						
3.0	32	37	42	46	50	52	55	57	59	61	62	63	65					3.0	
	17600	17600	17600	17550	17500	17500	17450	17450	17400	17400	16500	14350	13500	13000	12600	12250			
	15700	15700	15000	14000	13200	12300	11600	11000	10450	10000	9550	9200	8850	8550	8250	8000			
3.5	21	29	35	41	45	48	51	53	55	57	59	61	62	63	64	65		3.5	
	16250	14850	14850	14850	14800	14800	14750	14750	14750	14700	14700	13350	12600	12150	11750	11400	10850		
	13600	13250	13200	12850	12100	11500	10900	10300	9800	9350	8950	8600	8300	8000	7700	7500	7100		
4.0	(3.4)	17	28	34	39	43	47	49	52	54	56	58	59	61	62	63	65	4.0	
		13600	12800	12800	12800	12750	12750	12750	12700	12700	12550	11750	11350	10950	10600	10100			
		12050	11350	11350	11150	10550	10050	9650	9150	8750	8400	8050	7750	7500	7250	7000	6650		
5.0	(3.8)	17	27	33	38	42	45	48	51	53	55	56	58	59	61	62		5.0	
			11800	10400	9900	9900	9900	9900	9850	9850	9850	9850	9800	9850	9850	9350	8900		
			10450	9200	8750	8750	8700	8250	7900	7650	7350	7100	6800	6600	6350	6150	5850		
6.0			(4.3)	(4.8)	16	25	31	36	40	43	46	48	50	52	54	56	58	6.0	
					9250	8300	8000	8000	8000	8000	7950	7950	7950	7950	7950	7900	7900		
					8200	7350	7050	7050	6950	6650	6400	6200	6000	5850	5650	5450	5200		
7.0					(5.3)	(5.8)	15	24	30	34	38	41	44	46	48	50	53	7.0	
							7500	6850	6600	6600	6600	6600	6600	6600	6600	6650	6550		
							6600	6000	5800	5700	5500	5300	5150	5000	4850	4650			
8.0							(6.3)	(6.8)	14	23	28	33	36	39	42	44	48	8.0	
									6250	5750	5600	5600	5600	5550	5550	5550			
									5500	5050	4850	4850	4750	4600	4450	4300	4150		
9.0									(7.3)	(7.8)	13	22	27	31	35	38	42	9.0	
											5300	4900	4800	4800	4800	4800	4750		
											4650	4250	4150	4150	4050	3900	3700		
10											(8.3)	(8.8)	13	21	26	30	35	10	
													4550	4250	4150	4150	4150		
													3950	3650	3550	3550	3350		
11														(9.3)	(9.8)	12	20	28	11
																3950	3700	3600	
																3400	3200	3100	
12																(10.3)	(10.8)	17	12
																		3350	
																		2850	
																	(11.6)		