



Equal Angel Production Range

Length 6m - 12m

Size mm	Uni Weight G (kg/m)	Dimensions				Positions of Axis					Surface		Section Properties							
		h=b (mm)	t (mm)	r <sub>1</sub> (mm)	r <sub>2</sub> (mm)	A (mm <sup>2</sup> ) x10 <sup>2</sup>	Z <sub>s</sub> Y <sub>s</sub> mm x10	v mm x10	U <sub>1</sub> mm x10	U <sub>2</sub> mm x10	Al m <sup>2</sup> /t	AG m <sup>2</sup> /t	axis y-y / axis z-z			axis u-u		axis v-v		
													I <sub>y</sub> = I <sub>z</sub> mm <sup>4</sup> x10 <sup>4</sup>	W <sub>at</sub> z = W <sub>at</sub> z mm <sup>3</sup> x10 <sup>3</sup>	i = i mm x10 <sup>4</sup>	I <sub>u</sub> mm <sup>4</sup> x10 <sup>4</sup>	I <sub>v</sub> mm <sup>4</sup> x10 <sup>4</sup>	I <sub>yz</sub> mm <sup>4</sup> x10 <sup>4</sup>		
L 30 x 30 x 3	1.36	30	3	5	2.50	1.74	0.835	2.12	1.18	1.05	0.116	84.87	1.4	0.649	0.899	2.23	1.13	0.579	0.578	-0.825
L 30 x 30 x 4	1.78	30	4	5	2.50	2.27	0.878	2.12	1.24	1.06	0.116	65.02	1.8	0.85	0.892	2.86	1.12	0.749	0.575	-1.05
L 35 x 35 x 4	2.09	35	4	5	2.50	2.67	1	2.47	1.42	1.24	0.136	64.82	2.95	1.18	1.05	4.69	1.33	1.22	0.68	-1.73
L 40 x 40 x 4	2.42	40	4	6	3.00	3.08	1.12	2.83	1.58	1.4	0.155	64.07	4.47	1.55	1.21	7.1	1.52	1.84	0.77	-2.63
L 40 x 40 x 5	2.97	40	5	6	3.00	3.79	1.16	2.83	1.64	1.41	0.155	64.07	5.43	1.91	1.2	8.61	1.51	2.25	0.77	-3.18
L 45 x 45 x 4.5	3.06	45	4.5	7	3.50	3.9	1.26	3.18	1.78	1.58	0.174	56.83	7.15	2.20	1.35	11.35	1.71	2.95	0.87	-4.20
L 50 x 50 x 4	3.06	50	4	7	3.50	3.89	1.36	3.54	1.92	1.75	0.194	63.49	8.97	2.46	1.52	14.25	1.91	3.7	0.97	-5.28
L 50 x 50 x 5	3.77	50	5	7	3.50	4.8	1.4	3.54	1.99	1.76	0.194	51.46	10.96	3.05	1.51	17.41	1.9	4.52	0.97	-6.45
L 50 x 50 x 6	4.47	50	6	7	3.50	5.69	1.45	3.54	2.04	1.77	0.194	343.41	12.84	3.61	1.5	20.37	1.89	5.31	0.97	-7.53
L 55 x 55 x 5	4.18	55	5	8	4.00	5.32	1.52	3.89	2.15	1.93	0.213	51.05	14.71	3.70	1.66	23.37	2.1	6.06	1.07	-8.66
L 55 x 55 x 6	4.95	55	6	8	4.00	6.31	1.56	3.89	2.21	1.94	0.213	43.04	17.29	4.39	1.66	27.44	2.09	7.13	1.06	-10.16
L 60 x 60 x 4	3.70	60	4	8	4.00	4.71	1.6	4.24	2.26	2.1	0.233	63.07	15.78	3.58	1.83	25.04	2.31	6.51	1.18	-9.26
L 60 x 60 x 5	4.57	60	5	8	4.00	5.82	1.64	4.24	2.32	2.11	0.233	51.04	19.37	4.45	1.82	30.77	2.3	2.97	1.17	-11.40
L 60 x 60 x 6	5.42	60	6	8	4.00	6.91	1.69	4.24	2.39	2.11	0.233	42.99	22.79	5.29	1.82	36.2	2.29	9.38	1.17	-13.41
L 60 x 60 x 8	7.09	60	8	8	4.00	9.03	1.77	4.24	2.5	2.14	0.233	32.89	29.15	6.89	1.8	46.19	2.26	12.11	1.16	-17.04
L 65 x 65 x 6	5.91	65	6	9	4.50	7.53	1.8	4.6	2.55	2.28	0.252	42.7	29.19	6.21	1.97	46.36	2.48	12.01	1.26	-17.17
L 65 x 65 x 7	6.83	65	7	9	4.50	8.7	1.85	4.6	2.61	2.29	0.252	36.95	33.43	7.18	1.96	53.08	2.47	13.78	1.26	-19.65
L 70 x 70 x 6	6.38	70	6	9	4.50	8.13	1.93	4.95	2.73	2.46	0.272	42.68	36.88	7.27	2.13	58.6	2.69	15.16	1.37	-21.72
L 70 x 70 x 7	7.38	70	7	9	4.50	9.4	1.97	4.95	2.79	2.47	0.272	36.91	42.3	8.41	2.12	67.19	2.67	17.41	1.36	-24.89
L 75 x 75 x 6	6.85	75	6	9	4.50	8.73	2.05	5.3	2.9	2.64	0.292	42.66	45.83	8.41	2.29	72.84	2.89	18.82	1.47	-27.01
L 75 x 75 x 8	8.99	75	8	9	4.50	11.4	2.14	5.3	3.02	2.66	0.292	32.53	59.13	11.03	2.27	93.91	2.86	24.35	1.46	-34.78
L 80 x 80 x 6	7.34	80	6	10	5.00	9.35	2.17	5.66	3.07	2.81	0.311	42.44	55.82	9.57	2.44	88.69	3.08	22.96	1.57	-32.87
L 80 x 80 x 7	8.49	80	7	10	5.00	10.8	2.21	5.66	3.13	2.82	0.311	36.67	64.19	11.09	2.44	102	3.07	26.38	1.56	-37.81
L 80 x 80 x 8	9.63	80	8	10	5.00	12.3	2.26	5.66	3.19	2.83	0.311	32.34	72.25	12.58	2.43	114.8	3.06	29.72	1.56	-42.52
L 80 x 80 x 10	11.9	80	10	10	5.00	15.1	2.34	5.66	3.3	2.85	0.311	26.26	87.5	15.45	2.41	138.8	3.03	36.24	1.55	-51.27
L 90 x 90 x 7	9.61	90	7	11	5.50	12.2	2.45	6.36	3.47	3.16	0.351	36.48	92.55	14.13	2.75	147.1	3.47	38.03	1.76	-54.52
L 90 x 90 x 8	10.9	90	8	11	5.50	13.9	2.5	6.36	3.53	3.17	0.351	32.15	104.4	16.05	2.74	165.9	3.46	42.89	1.76	-61.50
L 90 x 90 x 9	12.2	90	9	11	5.50	15.5	2.54	6.36	3.59	3.18	0.351	28.77	115.8	17.93	2.73	184	3.44	47.65	1.75	-68.19
L 90 x 90 x 10	13.4	90	10	11	5.50	17.1	2.58	6.36	3.65	3.19	0.351	23.86	126.9	19.77	2.72	201.5	3.43	52.33	1.75	-74.59
L 100 x 100 x 8	12.2	100	8	12	6.00	15.5	2.74	7.07	3.87	3.52	0.390	32.00	144.8	19.94	3.06	230.2	3.85	59.49	1.96	-85.39
L 100 x 100 x 10	15.0	100	10	12	6.00	19.2	2.82	7.07	3.99	3.54	0.390	25.92	176.7	24.62	3.04	280.7	3.83	72.66	1.95	-104.00
L 100 x 100 x 12	17.8	100	12	12	6.00	22.7	2.9	7.07	4.11	3.57	0.390	21.86	206.7	29.12	3.02	327.9	3.80	85.44	1.94	-121.30
L 110 x 110 x 10	16.6	110	10	13	6.50	21.2	3.06	7.78	4.33	3.88	0.429	25.79	238	29.99	3.35	378.2	4.23	97.74	2.15	-140.20
L 110 x 110 x 12	19.7	110	12	13	6.50	25.1	3.15	7.78	4.45	3.91	0.429	21.73	279.1	35.54	3.33	443.2	4.20	115	2.14	-164.10
L 120 x 120 x 10	18.2	120	10	13	6.50	23.2	3.31	8.49	4.69	4.24	0.469	25.76	312.9	36.03	3.67	497.6	4.63	128.3	2.35	-184.60
L 120 x 120 x 11	19.9	120	11	13	6.50	25.4	3.36	8.49	4.75	4.25	0.469	23.54	340.6	39.41	3.66	541.5	4.62	139.8	2.35	-200.90
L 120 x 120 x 12	21.6	120	12	13	6.50	27.5	3.4	8.49	4.8	4.26	0.469	21.69	367.7	42.73	3.65	584.3	4.61	151.1	2.34	-216.60
L 120 x 120 x 13	23.3	120	13	13	6.50	29.7	3.44	8.49	4.86	4.28	0.469	20.12	394	46.01	3.64	625.8	4.59	162.2	2.34	-231.80
L 120 x 120 x 15	26.6	120	15	13	6.50	33.9	3.51	8.49	4.97	4.31	0.469	17.6	444.9	52.43	3.62	705.6	4.56	184.2	2.33	-260.70