



SHUTTER MAKERS AUSTRALIA
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Motor Strength (Nm) Required for Curtain Size
Using Alulux CD142 Slat (4kg/m2) and 60mm Octagonal Shaft (0.06m)



10/09/2020

SHUTTER HEIGHT (m)		SHUTTER WIDTH (m)																							
		BOX SIZE																							
		1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.10	2.20	2.30	2.40	2.50	2.60	2.70	2.80	2.90	3.00	3.10	3.20	
150mm	1.00	2.40	2.64	2.88	3.12	3.36	3.60	3.84	4.08	4.32	4.56	4.80	5.04	5.28	5.52	5.76	6.00	6.24	6.48	6.72	6.96	7.20	7.44	7.68	
	1.10	2.64	2.90	3.17	3.43	3.70	3.96	4.22	4.49	4.75	5.02	5.28	5.54	5.81	6.07	6.34	6.60	6.86	7.13	7.39	7.66	7.92	8.18	8.45	
	1.20	2.88	3.17	3.46	3.74	4.03	4.32	4.61	4.90	5.18	5.47	5.76	6.05	6.34	6.62	6.91	7.20	7.49	7.78	8.06	8.35	8.64	8.93	9.22	
	1.30	3.12	3.43	3.74	4.06	4.37	4.68	4.99	5.30	5.62	5.93	6.24	6.55	6.86	7.18	7.49	7.80	8.11	8.42	8.74	9.05	9.36	9.67	9.98	
	1.40	3.36	3.70	4.03	4.37	4.70	5.04	5.38	5.71	6.05	6.38	6.72	7.06	7.39	7.73	8.06	8.40	8.74	9.07	9.41	9.74	10.08	10.42	10.75	
	1.50	3.60	3.96	4.32	4.68	5.04	5.40	5.76	6.12	6.48	6.84	7.20	7.56	7.92	8.28	8.64	9.00	9.36	9.72	10.08	10.44	10.80	11.16	11.52	
1.60	3.84	4.22	4.61	4.99	5.38	5.76	6.14	6.53	6.91	7.30	7.68	8.06	8.45	8.83	9.22	9.60	9.98	10.37	10.75	11.14	11.52	11.90	12.29		
165mm	1.70	4.08	4.49	4.90	5.30	5.71	6.12	6.53	6.94	7.34	7.75	8.16	8.57	8.98	9.38	9.79	10.20	10.61	11.02	11.42	11.83	12.24	12.65	13.06	
	1.80	4.32	4.75	5.18	5.62	6.05	6.48	6.91	7.34	7.78	8.21	8.64	9.07	9.50	9.94	10.37	10.80	11.23	11.66	12.10	12.53	12.96	13.39	13.82	
	1.90	4.56	5.02	5.47	5.93	6.38	6.84	7.30	7.75	8.21	8.66	9.12	9.58	10.03	10.49	0.00	11.40	11.86	12.31	12.77	13.22	13.68	14.14	14.59	
	2.00	4.80	5.28	5.76	6.24	6.72	7.20	7.68	8.16	8.64	9.12	9.60	10.08	10.56	11.04	11.52	12.00	12.48	12.96	13.44	13.92	14.40	14.88	15.36	
	2.10	5.04	5.54	6.05	6.55	7.06	7.56	8.06	8.57	9.07	9.58	10.08	10.58	11.09	11.59	12.10	12.60	13.10	13.61	14.11	14.62	15.12	15.62	16.13	
180mm	2.20	5.28	5.81	6.34	6.86	7.39	7.92	8.45	8.98	9.50	10.03	10.56	11.09	11.62	12.14	12.67	13.20	13.73	14.26	14.78	15.31	15.84	16.37	16.90	
	2.30	5.52	6.07	6.62	7.18	7.73	8.28	8.83	9.38	9.94	10.49	11.04	11.59	12.14	12.70	13.25	13.80	14.35	14.90	15.46	16.01	16.56	17.11	17.66	
	2.40	5.76	6.34	6.91	7.49	8.06	8.64	9.22	9.79	10.37	10.94	11.52	12.10	12.67	13.25	13.82	14.40	14.98	15.55	16.13	16.70	17.28	17.86	18.43	
	2.50	6.00	6.60	7.20	7.80	8.40	9.00	9.60	10.20	10.80	11.40	12.00	12.60	13.20	13.80	14.40	15.00	15.60	16.20	16.80	17.40	18.00	18.60	19.20	
205mm	2.60	6.24	6.86	7.49	8.11	8.74	9.36	9.98	10.61	11.23	11.86	12.48	13.10	13.73	14.35	14.98	15.60	16.22	16.85	17.47	18.10	18.72	19.34	19.97	
	2.70	6.48	7.13	7.78	8.42	9.07	9.72	10.37	11.02	11.66	12.31	12.96	13.61	14.26	14.90	15.55	16.20	16.85	17.50	18.14	18.79	19.44	20.09	20.74	
	2.80	6.72	7.39	8.06	8.74	9.41	10.08	10.75	11.42	12.10	12.77	13.44	14.11	14.78	15.46	16.13	16.80	17.47	18.14	18.82	19.49	20.16	20.83	21.50	
	2.90	6.96	7.66	8.35	9.05	9.74	10.44	11.14	11.83	12.53	13.22	13.92	14.62	15.31	16.01	16.70	17.40	18.10	18.79	19.49	20.18	20.88	21.58	22.27	
	3.00	7.20	7.92	8.64	9.36	10.08	10.80	11.52	12.24	12.96	13.68	14.40	15.12	15.84	16.56	17.28	18.00	18.72	19.44	20.16	20.88	21.60	22.32	23.04	
	3.10	7.44	8.18	8.93	9.67	10.42	11.16	11.90	12.65	13.39	14.14	14.88	15.62	16.37	17.11	17.86	18.60	19.34	20.09	20.83	21.58	22.32	23.06	23.81	
	3.20	7.68	8.45	9.22	9.98	10.75	11.52	12.29	13.06	13.82	14.59	15.36	16.13	16.90	17.66	18.43	19.20	19.97	20.74	21.50	22.27	23.04	23.81	24.58	

Formula: curtain m2 x weight per m2 x shaft diameter (in meters) x10

ie (2.1mx1.8m)x(4kgx0.06m)x10 = 9.072Nm