

- ▶ The earliest and largest BMC standoff insulator manufacturer in North America
- ▶ Owning the first two leading brands in North America: Mar-Bal & Glastic
- ▶ The one-source solutions provide of thermoset composites: Design, Formulate, Compound, Mold and Finish

Mar-Bal Standoff Insulators



- UL certificates, both for BMC materials and for standoff insulators
- Excellent flame retardant performance, standard UL94 V0 and 5VA available
- Comply with sorts of international standards: RoHS, REACH, CE, IEC, etc.
- Wide operating temperature range: -40°C-130°C
- Super strong mechanical strength: cantilever much bigger than most competitors
- Flexible insert options, steel inserts, brass inserts and aluminum available
- Broad coverage of product lines: metric and imperial, LV and MV

Metric Height

Mar-Bal Metric Height Low Voltage Standoff Insulators

Type	Model	Height (mm)	Diameter (mm)	Insert	Creep Distance (mm)	Voltage (V)	Tensile (N)	Cantilever (N)	Torque (N·m)	Weight (g)	Package (pcs/case)
1	ISO-MBI-25M6	25	25.4	M6	26	1500	5300	2000	15	35	100
1	ISO-MBI-30M6	30	25.4	M6	31	1500	5300	2000	15	40	100
1	ISO-MBI-30M8	30	25.4	M8	31	1500	7200	2800	35	40	100
2	ISO-MBI-R35M6	35	44.5	M6	57	1500	8000	4000	15	105	100
2	ISO-MBI-R35M8	35	44.5	M8	57	1500	10400	5000	35	105	100
2	ISO-MBI-R35M10	35	44.5	M10	57	1500	10400	5000	85	105	100
2	ISO-MBI-R40M6	40	44.5	M6	62	1500	8000	4000	15	115	100
2	ISO-MBI-R40M8	40	44.5	M8	62	1500	13500	6600	55	115	100
2	ISO-MBI-R40M10	40	44.5	M10	62	1500	13500	6600	105	115	100
3	ISO-MBI-40M6	40	58.7	M6	63	1500	6000	3400	15	138	100
3	ISO-MBI-40M8	40	58.7	M8	63	1500	9000	3400	35	138	100
3	ISO-MBI-40M10	40	58.7	M10	63	1500	12000	3400	85	138	100
2	ISO-MBI-R45M6	45	44.5	M6	67	2000	8000	4000	15	125	100
2	ISO-MBI-R45M8	45	44.5	M8	67	2000	10400	5000	55	127	100
2	ISO-MBI-R45M10	45	44.5	M10	67	2000	13000	5000	85	129	100
3	ISO-MBI-45M6	45	58.7	M6	68	2000	6000	3400	15	140	100
3	ISO-MBI-45M8	45	58.7	M8	68	2000	9000	3400	35	140	100
3	ISO-MBI-45M10	45	58.7	M10	68	2000	12000	3400	85	140	100
2	ISO-MBI-R50M8	50	44.5	M8	72	2500	10400	5000	50	145	100
2	ISO-MBI-R50M10	50	44.5	M10	72	2500	13500	5000	85	145	100
3	ISO-MBI-50M8	50	58.7	M8	73	2500	9000	3400	35	168	100
3	ISO-MBI-50M10	50	58.7	M10	73	2500	12000	3400	85	168	100
2	ISO-MBI-R60M10	60	44.5	M10	82	3000	15000	5000	85	176	100
2	ISO-MBI-R60M12	60	44.5	M12	76	3000	15000	5000	105	176	100
3	ISO-MBI-60M10	60	58.7	M10	84	3000	12000	3400	80	240	100
3	ISO-MBI-60M12	60	58.7	M12	78	3000	12000	3400	90	240	100
2	ISO-MBI-R70M10	70	44.5	M10	98	3600	13000	4000	85	206	100
2	ISO-MBI-R70M12	70	44.5	M12	86	3600	13000	4000	105	206	100
3	ISO-MBI-70M10	70	58.7	M10	101	3600	12000	3400	80	270	100
3	ISO-MBI-70M12	70	58.7	M12	95	3600	12000	3400	90	270	100
3	ISO-MBI-75M10	75	63.5	M10	106	4200	12000	3400	80	290	100
3	ISO-MBI-75M12	75	63.5	M12	100	4200	12000	3400	90	290	100
3	ISO-MBI-80M10	80	63.5	M10	111	4200	12000	3400	80	305	100
3	ISO-MBI-80M12	80	63.5	M12	105	4200	12000	3400	90	305	100

Steel inserts as standard, Aluminum and Brass inserts are available as request



Type 1



Type 2



Type 3

Metric Height

Mar-Bal Metric Height Medium Voltage Standoff Insulators

Type	Model	Height (mm)	Diameter (mm)	Insert	Creep Distance (mm)	Voltage (V)	Tensile (N)	Cantilever (N)	Torque (N·m)	Weight (g)	Package (pcs/case)
3	ISO-MBI-90MX	90	73.4	M10,M12,M16 available	121	5000	11000	5000	80	400	50
3	ISO-MBI-95MX	95	73.4	M10,M12,M16 available	126	5000	11000	5000	80	500	50
5	6512-XX	130	69.9	M10,M12,M16 available	208	13500	9000	2000	80	1050	20
5	6531-XX	135	69.9	M10,M12,M16 available	213	13500	9000	2000	80	1150	20
5	6551-XX	140	69.9	M10,M12,M16 available	218	13500	9000	2000	80	1250	20
5	6571-XX	145	69.9	M10,M12,M16 available	223	13500	9000	2000	80	1350	20
5	6590-XX	150	69.9	M10,M12,M16 available	215	13500	9000	2000	80	1050	20
5	6610-XX	155	69.9	M10,M12,M16 available	220	13500	9000	2000	80	1150	20
5	6630-XX	160	69.9	M10,M12,M16 available	225	13500	9000	2000	80	1250	20
5	6650-XX	165	69.9	M10,M12,M16 available	230	13500	9000	2000	80	1350	20
5	6670-XX	170	69.9	M10,M12,M16 available	235	13500	9000	2000	80	1250	20
5	6690-XX	175	69.9	M10,M12,M16 available	240	13500	9000	2000	80	1350	20

"All kinds of inserts are available, Steel as S, Brass as B, Aluminum as A;
For example, 1100-A1/M6, A means Aluminum inserts, M6 as metric insert size. Please call in for detailed drawings."

Imperial Height

Mar-Bal Imperial Height Low Voltage Standoff Insulators

Type	Model	Height (mm)	Diameter (mm)	Insert	Creep Distance (mm)	Voltage (V)	Tensile (N)	Cantilever (N)	Torque (N·m)	Weight (g)	Package (pcs/case)
1	1100-XX	25.4	25.4	M6,M8 and imperial threads	26	1500	5300	2000	14	28	500
1	1118-XX	30.0	25.4	M6,M8 and imperial threads	31	1500	5300	2000	14	32	500
1	1125-XX	31.8	25.4	M6,M8 and imperial threads	32	1500	5300	2000	14	32	500
2	R2137-XX	34.8	44.5	M8,M10 and imperial threads	38	1500	7000	3000	30	82	225
2	R4150-XX	38.1	44.5	M8,M10 and imperial threads	41	1500	8000	4000	41	90	200
2	R4175-XX	44.5	44.5	M8,M10 and imperial threads	48	2000	8000	4000	41	104	175
2	R4187-XX	47.5	44.5	M8,M10 and imperial threads	51	2000	8000	4000	41	115	175
2	R4200-XX	50.8	44.5	M8,M10 and imperial threads	54	2500	8000	4000	41	132	150
2	R4225-XX	57.2	44.5	M8,M10 and imperial threads	60	2700	8000	3800	41	132	150
2	R4275-XX	70.0	44.5	M8,M10 and imperial threads	73	3000	8000	3400	41	180	150
3	4150-XX	38.1	58.7	M8,M10 and imperial threads	49	1500	6000	3400	57	90	169
3	4175-XX	44.5	58.7	M8,M10 and imperial threads	56	2000	6000	3400	57	130	144
3	4200-XX	50.8	58.7	M8,M10 and imperial threads	62	2500	6000	3400	57	132	133
3	4225-XX	57.2	58.7	M8,M10 and imperial threads	68	2700	6000	3400	57	167	108
3	5250-XX	63.5	73.4	M10,M12 and imperial threads	76	3200	11000	5000	57	210	75
3	5263-XX	66.8	73.4	M10,M12,M16 and imperial threads	81	3400	11000	5000	57	210	75
3	5275-XX	70.0	73.4	M10,M12,M16 and imperial threads	83	3600	11000	5000	57	210	66
3	5300-XX	76.2	73.4	M10,M12,M16 and imperial threads	89	4100	11000	5000	57	210	50
3	5325-XX	82.6	73.4	M10,M12,M16 and imperial threads	95	4500	11000	5000	57	210	50
3	5337-XX	85.6	73.4	M10,M12,M16 and imperial threads	99	4500	10000	4500	57	210	50
4	3213-XX	54.1	63.5	M10,M12,M16 and imperial threads	83	2500	13000	6000	41	440	75

Mar-Bal Imperial Height Medium Voltage Standoff Insulators

Type	Model	Height (mm)	Diameter (mm)	Insert	Creep Distance (mm)	Voltage (V)	Tensile (N)	Cantilever (N)	Torque (N·m)	Weight (g)	Package (pcs/case)
3	5350-XX	88.9	73.4	M10,M12,M16 & imperial threads	102	5000	11000	5000	57	210	50
3	5363-XX	92.2	73.4	M10,M12,M16 & imperial threads	105	5000	11000	5000	57	210	50
3	5375-XX	95.3	73.4	M10,M12,M16 & imperial threads	108	5000	11000	5000	57	210	50
5	6500-XX	127.0	69.9	M10,M12,M16 & imperial threads	205	13500	9000	2000	80	860	20
5	6375-XX	152.4	69.9	M10,M12,M16 & imperial threads	216	13500	9000	2000	80	860	20
5	7000-XX	177.8	69.9	M10,M12,M16 & imperial threads	241	13500	9000	2000	80	880	20
6	6350-XX	88.9	95.3	Multiple insert options of two ends	114	5000	12000	7000	105	790	18
6	6450-XX	114.3	95.3	Multiple insert options of two ends	140	15000	12000	7000	135	1100	12
6	6600-XX	152.4	95.3	Multiple insert options of two ends	177.8	15000	12000	7000	135	1500	9

"All kinds of inserts are available, Steel as S, Brass as B, Aluminum as A;
For example, 1100-A1/M6, A means Aluminum inserts, M6 as metric insert size. Please call in for detailed drawings."



Type 1



Type 2



Type 3



Type 4



Type 5



Type 6

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