

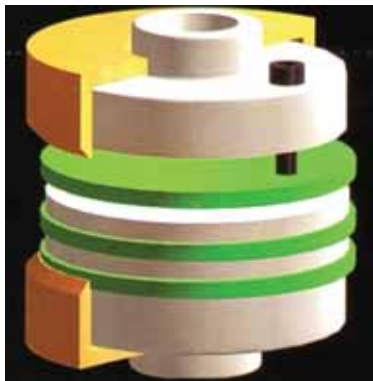
INSULATING LINKS, ISO/LINK AC & DC

Proven Performance in Hi-Voltage & Hi-Current Environments

Miller ISO/Link[®] insulating links are the product of five decades of experience in protection from unwanted electrical discharges in AC or DC environments, while at the same time offering the rugged and secure lifting capability Miller has always been known for.

ISO/Link-AC[®] = POWER LINE SAFETY

ISO/Link-AC[®] insulating links protect workers from the leading cause of electrical injury in the workplace, accidental contact between crane booms and overhead power lines. Made of durable high-performance materials, ISO/Link-AC insulating links are rated for 25,000 AC volts. Permanently sealed construction prevents the absorption of moisture and other contaminants. A low-profile alloy steel interlocking matrix insures reliable performance under the most demanding conditions without requiring excessive length. Designed for use in construction, refineries, utility work, and various manufacturing applications, Miller AC insulating links employ a tough, polyurethane dielectric that surpasses natural rubber in durability and electrical resistance. Available to working loads of 60 tons with a design safety factor of 5:1.



ISO/Link-DC[®]

ISO/Link-DC[®] insulating links are specially designed for use in the smelting industry or wherever high DC current is a threat, e.g., industrial welding. The high temperatures, high duty cycle and strong magnetic fields found in smelting environments were all taken into consideration during the development of this addition to the ISO/Link Series. By incorporating a G-10 glass fiber dielectric, the ISO/Link-DC can withstand continuous temperatures as high as 130°C. Each link is tested to 10,000 Volts DC and rated to 1,000 Volts DC. Factory rebuild is possible. Because of its maintenance-oriented design, the ISO/Link-DC is not sealed and is intended for interior use only. Available to working loads of 60 tons with a design safety factor of 5:1.

INSU-LINE[®] TAG LINE INSULATOR

For tag line use in load handling, where high voltage is a safety concern. Adapted by Miller from proven power distribution insulator technology. Fiberglass core for high strength to-weight ratio and shatter resistance. Hydrophobic polymer sheath and sheds promote dirt and dust resistance. Every unit is factory proof tested with electrical test certificate available. *Miller INSU-LINE[®] tag line insulators are not to be used for lifting. Only use tag line insulators with non-conductive tag lines for protection of your ground crew. For lifting applications use Miller's ISO/Link insulating link.* **ORDER PART NUMBER M135502001.**

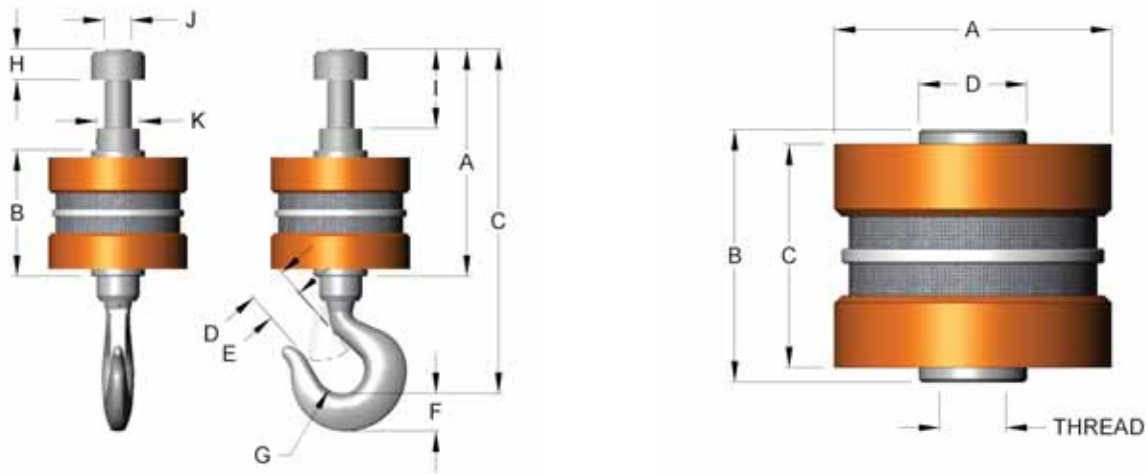


SPECIFICATIONS	
Rated Voltage	50 KV rms
Dry Flashover	110 KV @ 60 Hz.
Dry Withstand	100 KV @ 60 Hz.
Wet Flashover	75 KV @ 60 Hz.
Wet Withstand	65 KV @ 60 Hz.
Leakage Current (dry)	<0.05 mA at 50 KV
Leakage Distance	16 in.
Braking Load (information only)	15,000 lbs.
Operating Load	Not for lifting- Tag line use only
Operating TEMP	- 50 F to 150 F
Weight	2 lbs.
Length (hole to hole)	12 in.
Attachment Hole Size	1 in.
NOT LIGHTNING PROOF / NOT FOR LIFTING	

INSULATING LINKS, DC, ISO/LINK-DC

NON-SWIVELING STUD TO HOOK – TYPE 14

LINK ONLY



DC - NON SWIVELING, STUD TO HOOK - TYPE 14

WLL	Model Number	A	B	C	D	E	F	G	H	I	J	K
5	MLV8-14-5	14.875	8.75	23.31	2.62	2.41	2.6	3.25	1.43	4.62	1.25-7	3
10	MLV8-14-10	13.625	8.75	22.06	2.62	2.41	2.6	3.25	1.31	3.37	1.62-12	3
15	MLV12-14-15	17.18	10.5	27.06	3.41	3.19	3.01	4.25	1.56	4.18	1.77-12	4
25	MLV12-14-25	18.31	10.5	30.06	4.75	3.38	5.06	6	2.56	5.31	2.25-12	4
35	MLV12.5-14-35	21.43	12.25	33.12	4.25	3	4.56	5.38	2.68	6.18	2.5-12	4.75
60	MLV12.5-14-60	26.75	12.25	42.25	6.5	5.38	6.69	7.75	3.5	14.5	4.0-12	4.5

* Design factor = 5:1

DC LINK ONLY

WLL	Model Number	A	B	C	D	THREAD	WEIGHT
10	V1000E	10	8.75	7.75	3.75	2.50-8UN	90
25	V1000G	13.3	10.5	8.75	4.5	3.25-8UN	170
60	V1000JJ	12.38	12.25	10.2	5.75	4.00-8UN	225

* Design factor 5:1 (Link only)

SPARE BUMPERS FOR ISO\LINK-DC INSULATING LINKS		
Each kit includes upper and lower bumper halves plus hardware		
ISO\Link-DC Model	Bumper Kit Part No.	Weight (lbs)
V1000E	M237000007	4
V1000G	M237000016	6
V1000JJ	M237000037	7

Rated maximum voltage 1000 VDC (dry); operating temperature -0° to 130°C.

Link cleanliness is very important. Electrical performance degrades when surface is dirty. See maintenance instructions.