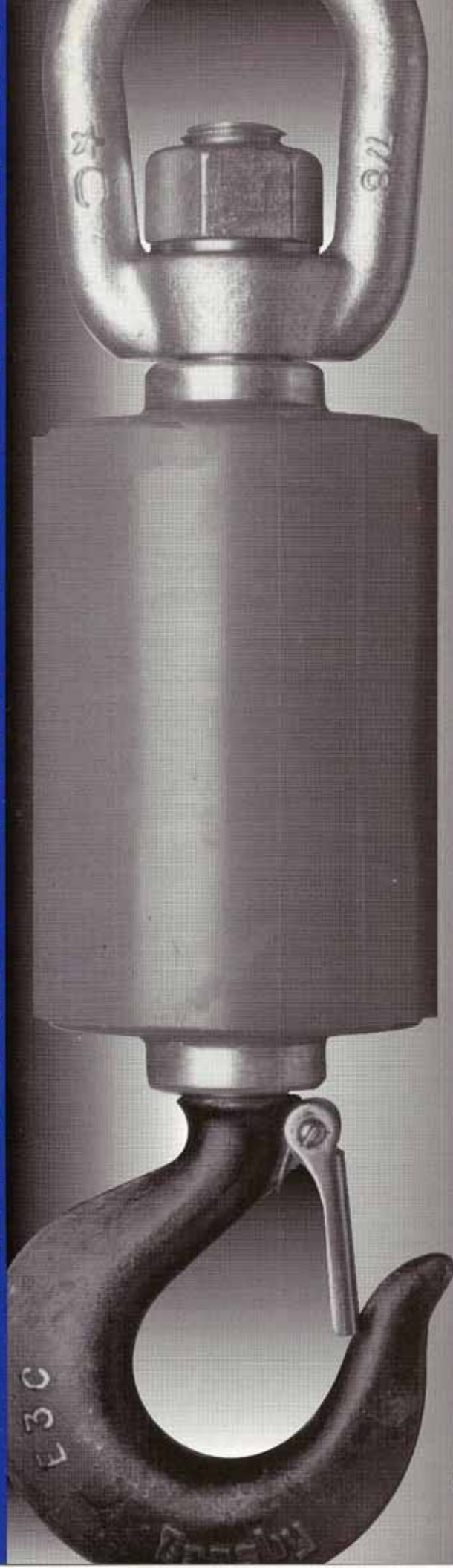


INSULATED LINKS



H.J.HIRTZER
& ASSOCIATES, INC.

HIRTZER

HIRTZER PRODUCTS



CONSTRUCTION

Glass filament reinforced. No adjoining metal parts. Non-conductive central core held between 2 metal alloy spoke ends. Resin-impregnated fiberglass strands wound between the spokes. No metal interlocks...no reduction of insulating capacity under load.

PROTECTION

Use ANYWHERE there is a hazard from electrical shock or burn. (up to 50 KV)
Higher KV ratings available as specials.
Protects: Construction Crews, Hook Tenders, Riggers, Hoist-Supported Welders, Load Handling Workers, Boom Crane Personnel.

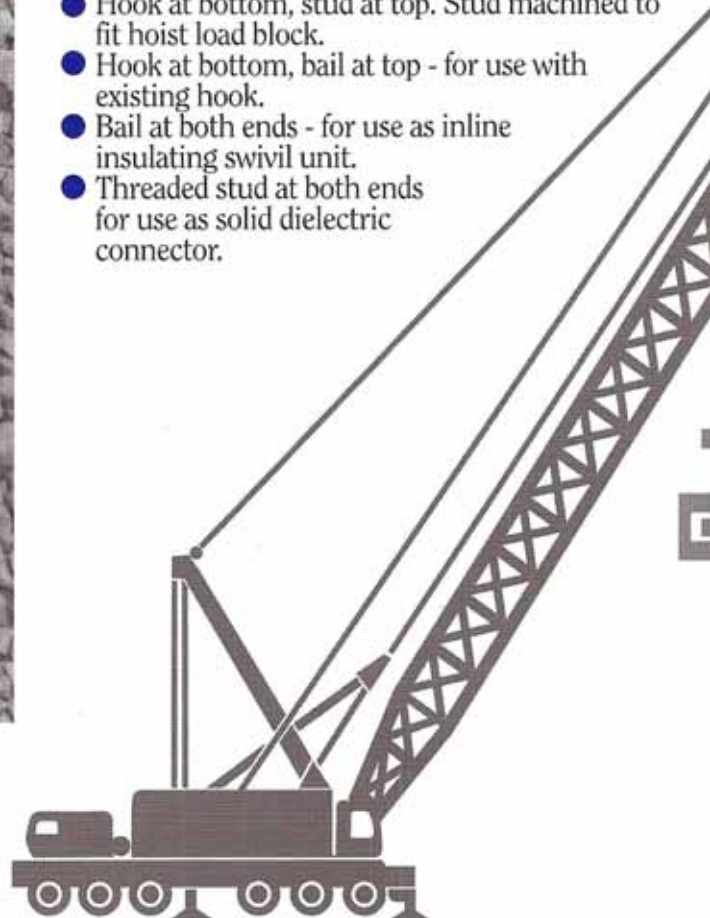
STRENGTH

Each link electrically tested at 2X rated capacity. Links rated 1/2 to 100 standard short tons are tested to 2X rated tonnage.

VARIETY

HIRTZER Insulated Links are available with choice of one of the following:

- Hook at bottom, stud at top. Stud machined to fit hoist load block.
- Hook at bottom, bail at top - for use with existing hook.
- Bail at both ends - for use as inline insulating swivel unit.
- Threaded stud at both ends for use as solid dielectric connector.



INSULATED LINKS

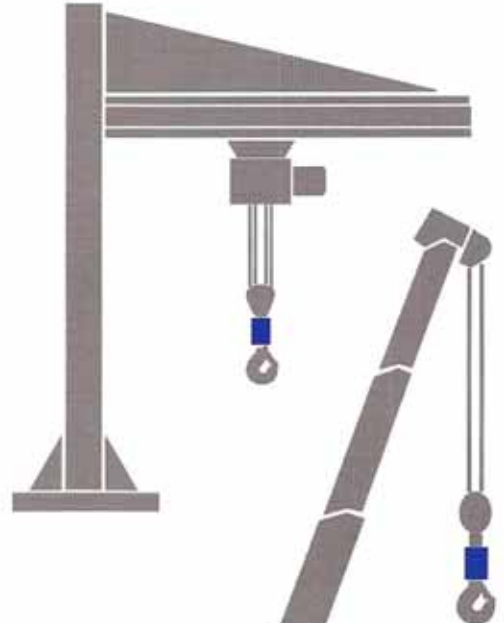
Stops RF Discharge.



STUD TO HOOK



LINK/ROLLER CHAIN TO HOOK





SPECIFICATIONS

ROUND INSULATORS

Short Tons	KV Value	Overall Link Length	Length from top of link to Hook Basket	Overall Length from bearing point of bail to hook basket	Diameter of Link Body	Thread Size in Stud End	Recommended Stud Diameter
1/2	1 KV	4 1/2"	7"	9 3/4"	2 5/8"	5/8-UNC	5/8"
1/2	10 KV	5 1/4"	7 3/4"	10 1/2"	2 5/8"	5/8-UNC	5/8"
1	1 KV	4 1/2"	7 1/2"	10 3/4"	2 5/8"	3/4-8UNC	3/4"
1	10KV	5 1/4"	8 1/4"	11 3/4"	2 5/8"	3/4-8UNC	3/4"
2	1 KV	6 1/2"	10 1/4"	14 1/2"	4 1/4"	1 1/8-7UNC	1 1/8"
2	10 KV	7 1/2"	11 1/4"	15 1/2"	4 1/4"	1 1/8-7UNC	1 1/8"
2	50 KV	15 1/2"	19 1/4"	23 1/2"	4 1/4"	1 1/8-7UNC	1 1/8"
3	1 KV	6 1/2"	10 1/4"	13 3/4"	4 1/4"	1 1/4-7UNC	1 1/4"
3	10KV	7 1/2"	11 1/4"	14 3/4"	4 1/4"	1 1/4-7UNC	1 1/4"
3	50 KV	15 1/2"	19 1/4"	22 3/4"	4 1/4"	1 1/4-7UNC	1 1/4"
5	1 KV	8 1/4"	13"	18"	6"	1 3/8-6UNC	1 3/8"
5	10 KV	9 1/4"	14"	19"	6"	1 3/8-6UNC	1 3/8"
5	50 KV	17"	21 3/4"	26 3/4"	6"	1 3/8-6UNC	1 3/8"
10	1 KV	8 1/4"	14 3/4"	20"	6"	2-4 1/2 TPI	2"
10	10 KV	9 1/4"	15 3/4"	21"	6"	2-4 1/2 TPI	2"
10	50 KV	17"	23 1/2"	28 3/4"	6"	2-4 1/2 TPI	2"
15	1 KV	9 1/4"	17 1/4"	25 1/4"	7 3/4"	2 1/4-8 TPI	2 1/4"
15	10 KV	10 1/4"	18 1/4"	26 1/4"	7 3/4"	2 1/4-8 TPI	2 1/4"
15	50 KV	18 1/4"	26 1/4"	34 1/4"	7 3/4"	2 1/4-8 TPI	2 1/4"
20	1 KV	9 1/4"	17 1/4"	25"	7 3/4"	2 1/2-8 TPI	2 1/2"
20	10 KV	10 1/4"	18 1/4"	26"	7 3/4"	2 1/2-8 TPI	2 1/2"
20	50 KV	18 1/4"	26 1/4"	34"	7 3/4"	2 1/2-8 TPI	2 1/2"
25	1 KV	9 1/4"	18 3/4"		7 3/4"	2 3/4-8 TPI	2 3/4"
25	10 KV	10 1/4"	19 3/4"		7 3/4"	2 3/4-8 TPI	2 3/4"
25	50 KV	18 1/4"	27 3/4"		7 3/4"	2 3/4-8 TPI	2 3/4"
40	50 KV	19 1/4"	33 1/4"		10"	4-8 TPI	4"
50	50 KV	19 1/4"	34 3/4"		10"	4-8 TPI	4"
60	50 KV	19"	34 1/2"		13"	4-8 TPI	4"
80	50 KV	20 1/2"	39"		16 1/2"	4 or 6-8TPI	4 or 6"
100	50 KV	28"	46 1/2"		16 1/2"	6-8 TPI	6"
120	50 KV	28"	46 1/2"		19 5/8"	6-8 TPI	6"

IN LINE INSULATORS

Short Tons	Overall Link Length	Width	Thickness	Pin Hole Size
1/2 TON	3 5/8"	1.0"	1/2"	1/2"
1 TON	3 5/8"	1 3/8"	1/2"	1/2"
3 TON	5 5/8"	2 1/2"	15/16"	13/16"
5 TON	7"	3.0"	1 1/16"	1 1/16"
10 TON	11 3/8"	4.0"	1 13/16"	1 7/16"
20 TON	15 3/4"	6.0"	2 3/4"	2 1/16"
40 TON	22 3/4"	8.0"	4.0"	2 13/16"
60 TON	28 5/8"	10.0"	4 7/8"	3 5/16"



What is RF?

Radio-Frequency (RF) is continuous electrical discharge emitting from radar, radio and television towers, microwave transmitters, satellites and other high frequency wireless communicators. These high frequency radio waves travel through the atmosphere and will increase as wireless communication expands.

RF is Hazardous.

RF waves are picked up by all antennas or metal objects and will cause continual electrical discharge unless properly insulated.

Cranes and other loading devices will pick up RF waves which can burn load handlers. In extreme cases, RF can produce dangerous high voltage electrical arcing.

Protect against RF

Hirtzer Insulators placed between the hook and lifting device will stop RF from discharging to the end of the hook. Protects the load handler from electrical burns.

It also protects sensitive electronics from damage.





**NEW
PRODUCTS
STOP
RF
STATIC
DISCHARGE.**



Robot Insulators

- 1/2 Ton Load
- 5 KV Rated
- Use on robot machines or other production equipment.
- Protect workers on production line against burns.
- Custom models on request.



In Line Insulators

- 1/2 to 60Ton.
- 8 Standard Models.
- 10 to 50KV Ratings.
- Fits Standard Shackles.

