

Hazlux® Hazardous Location Lighting Fixtures

Polymeric fixtures for Class I, Zone 2, Groups IIC, IIB, IIA, Division 2, Groups A, B, C and D wet and marine locations.

Hazlux® 1 — HID, Mogul Base, 50-175W

- Enclosed and gasketed.
- Polymeric (fiberglass-reinforced polyester) guard with a variety of globe options.
- High-pressure sodium, metal halide.
- 50 to 175 watts, 120 to 480 volts.
- Pendant, ceiling, wall, angle stanchion or straight stanchion mounting.

Standards / Certifications

- CSA Class I, Zone 2, Groups IIC, IIB, IIA, Division 2, Groups A, B, C and D.
- UL1598 Wet Locations.
- UL1598 Marine Applications.
- NEMA 4X.



File #46661

Hazlite™ M1 — HID or Fluorescent, Medium or Bi-Pin Base, 9-100W

- Polymeric (fiberglass-reinforced polyester) guard with a variety of globe options.
- Metal halide, high-pressure sodium or fluorescent lamp.
- 9 to 100 watts, 120 to 277 volts.
- Cone pendant, one-hub ceiling or two-hub ceiling mounting.

Standards / Certifications

- CSA Class I, Zone 2, Groups IIC, IIB, IIA, Division 2, Groups A, B, C and D Hazardous Locations.
- UL1598 Wet Locations.
- UL1598 Marine Applications.
- NEMA 4X.



Ordering Hazlux® Lighting Fixtures

To order or learn more about the many styles and varieties of Hazlux® fixtures for corrosive environments, please see our Hazlux® catalogue or visit www.tnb.ca

Enclosed and gasketed fixtures for Class I, Zone 2, Groups IIC, IIB, IIA, Division 1, Class II, wet and marine locations.

Hazlux® 3 — HID, Mogul Base, 50-400W

- Enclosed and gasketed.
- Cast copper-free aluminum housing — available with HazCote™ Kynar coating for extremely corrosive environments.
- Variety of globe material options.
- High-pressure sodium, metal halide.
- 50 to 400 watts, 120 to 480 volts.
- Cone top pendant, wall, ceiling, flexible pendant, ring, straight stanchion, angle stanchion or rigid pendant mounting.

Standards / Certifications

- CSA Class I, Zone 2, Groups IIC, IIB, IIA, Division 2, Groups A, B, C and D.
- EXN RII T3 (Restricted Drawing).
- CSA Class II, Divisions 1 & 2, Groups E, F and G.
- CSA Class III.
- UL1598 Wet Locations.
- UL1598 Marine Applications.
- NEMA 4X, IP66.



File #46661

Explosion-proof fixtures for Class I, Division 1, Class II, wet and marine locations.

Hazlux® 5 — HID Explosion-Proof, Mogul Base, 50-400W

- Cast copper-free aluminum housing — available with HazCote™ Kynar coating for extremely corrosive environments.
- High-pressure sodium, metal halide.
- 50 to 400 watts, 120 to 480 volts.
- Pendant, wall, ceiling, bulkhead or stanchion mounting.

Standards / Certifications

- CSA Class I, Zone 2, Groups IIC, IIB, IIA, Division 2, Groups A, B, C and D.
- CSA Class II, Divisions 1 & 2, Groups E, F and G.
- UL1598 Wet Locations.
- UL1598 Marine Applications.
- NEMA 4X, IP66.



Ordering Hazlux® Lighting Fixtures

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Ty-Rap® Stainless Steel Cable Ties

Other Products for Corrosive Environments



Type TYS
Multi-Lok Stainless Steel
Ties — Uncoated



Type TYS
Multi-Lok Stainless Steel
Ties — Coated



Type LS
Heavy-Duty Stainless Steel
Ball-Lock Cable Ties —
Coated



Type SSR
Reusable Stainless Steel
Cable Ties

Cat. No. Nylon 11 Coated	Width in./(mm)	Length in./(mm)	Thickness in./(mm)	Max. Dia. Single Wrap in./(mm)	Max. Dia. Double Wrap in./(mm)
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Type TYS Multi-Lok Stainless Steel Cable Ties

TYS6-280C	0.28 / (7.00)	6 / (152)	0.01 / (.25)	1.9 / (48)	(Single wrap only)
TYS9-280C	0.28 / (7.00)	9 / (229)	0.01 / (.25)	2.8 / (71)	
TYS12-280C	0.28 / (7.00)	12 / (305)	0.01 / (.25)	3.8 / (96)	
TYS18-280C	0.28 / (7.00)	18 / (457)	0.01 / (.25)	5.7 / (144)	
TYS24-280C	0.28 / (7.00)	24 / (610)	0.01 / (.25)	7.6 / (193)	
TYS6-470C	0.47 / (12.00)	6 / (152)	0.01 / (.25)	1.9 / (48)	
TYS9-470C	0.47 / (12.00)	9 / (229)	0.01 / (.25)	2.8 / (71)	
TYS12-470C	0.47 / (12.00)	12 / (305)	0.01 / (.25)	3.8 / (96)	
TYS18-470C	0.47 / (12.00)	18 / (457)	0.01 / (.25)	5.7 / (144)	
TYS24-470C	0.47 / (12.00)	24 / (610)	0.01 / (.25)	7.6 / (193)	

Cat. No. Fully Polyester Coated	Width in./(mm)	Length in./(mm)	Thickness in./(mm)	Max. Dia. Single Wrap in./(mm)	Max. Dia. Double Wrap in./(mm)
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Type LS Heavy-Duty Stainless Steel Ball-Lock Cable Ties

LS-4.6-200-C	0.18 / (4.6)	7.9 / (201)	—	2 / (51)	(Single wrap only)
LS-4.6-360-C	0.18 / (4.6)	14.2 / (360)	—	4 / (102)	
LS-4.6-520-C	0.18 / (4.6)	20.5 / (520)	—	6 / (152)	
LS-4.6-680-C	0.18 / (4.6)	26.7 / (679)	—	8 / (203)	
—	0.18 / (4.6)	33.0 / (838)	—	10 / (254)	
LS-7.9-200-C	0.31 / (7.9)	7.9 / (201)	—	2 / (51)	(Single wrap only)
LS-7.9-360-C	0.31 / (7.9)	14.2 / (360)	—	4 / (102)	
LS-7.9-520-C	0.31 / (7.9)	20.5 / (520)	—	6 / (152)	
LS-7.9-680-C	0.31 / (7.9)	26.7 / (679)	—	8 / (203)	
—	0.31 / (7.9)	33.0 / (838)	—	10 / (254)	
—	0.31 / (7.9)	41.3 / (1050)	—	12.5 / (318)	

Cat. No.	Width in./(mm)	Length in./(mm)	Thickness in./(mm)	Max. Dia. Single Wrap in./(mm)	Max. Dia. Double Wrap in./(mm)
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Type SSR Reusable Stainless Steel Cable Ties

SSR6-250C	0.25 / (6.35)	6 / (152)	0.015 / (0.38)	1.5 / (38)	N/A
SSR9-250C	0.25 / (6.35)	9 / (229)	0.015 / (0.38)	2.5 / (63)	1.1 / (28)
SSR12-250C	0.25 / (6.35)	12 / (305)	0.015 / (0.38)	3.4 / (86)	1.5 / (38)
SSR18-250C	0.25 / (6.35)	18 / (457)	0.015 / (0.38)	5.4 / (137)	2.5 / (64)
SSR24-250C	0.25 / (6.35)	24 / (610)	0.015 / (0.38)	7.3 / (185)	3.5 / (89)
SSR6-375C	0.38 / (9.53)	6 / (152)	0.015 / (0.38)	1.5 / (38)	N/A
SSR9-375C	0.38 / (9.53)	9 / (229)	0.015 / (0.38)	2.5 / (63)	1.1 / (28)
SSR12-375C	0.38 / (9.53)	12 / (305)	0.015 / (0.38)	3.4 / (86)	1.5 / (38)
SSR18-375C	0.38 / (9.53)	18 / (457)	0.015 / (0.38)	5.4 / (137)	2.5 / (64)
SSR24-375C	0.38 / (9.53)	24 / (610)	0.015 / (0.38)	7.3 / (185)	3.5 / (89)
SSR30-375C	0.38 / (9.53)	30 / (762)	0.015 / (0.38)	9.1 / (231)	4.4 / (112)
SSR36-375C	0.38 / (9.53)	36 / (914)	0.015 / (0.38)	11.0 / (280)	5.3 / (135)

SS series also available in Type 316 stainless.

Ty-Rap® Stainless Steel Cable Ties (continued)

Stainless Steel Type	Coating or Finish	Min. Loop Tensile Strength Single Wrap lb./n.	Min. Loop Tensile Strength Double Wrap lb./n.	Application Tools Used	General Application
Type TYS Multi-Lok Stainless Steel Cable Ties					
316	Uncoated or Nylon 11 Coated Black	250/1112	(Single wrap only)	WTAE200	<ul style="list-style-type: none"> • Self-locking • Cable bundling
316		250/1112		WTAE200	
316		250/1112		WTAE200	
316		250/1112		WTAE200	
316		250/1112		WTAE201	
316		250/1112		WTC075	<ul style="list-style-type: none"> • Hazardous and corrosive environments
316		250/1112		WTC075	
316		250/1112		WTC075	
316		250/1112		WTC075	
316		250/1112		WTC075	
Type LS Heavy-Duty Stainless Steel Ball-Lock Cable Ties					
316	Uncoated or Fully Polyester Coated Black	100/445	(Single wrap only)	DAS250	<ul style="list-style-type: none"> • Offshore drilling • Petrochemical processing • Shipbuilding
316		100/445		DAS250	
316		100/445		DAS250	
316		100/445		DAS250	
316		100/445		DAS250	
316		250/1112		DAS250	<ul style="list-style-type: none"> • Food & Beverage processing • Pharmaceutical processing
316		250/1112		DAS250	
316		250/1112		DAS250	
316		250/1112		DAS250	
316		250/1112		DAS250	
Type SSR Reusable Stainless Steel Cable Ties					
200/300	Nylon 11 Coated (Uncoated or other colours available on special order)	75/334	300/1334	WTAE200	<ul style="list-style-type: none"> • Reusable • Cable bundling • Oil rigs
200/300		75/334	300/1334	WTAE200	
200/300		75/334	300/1334	WTAE200	
200/300		75/334	300/1334	WTAE200	
200/300		75/334	300/1334	WTAE200	
200/300		100/445	500/2224	WTAE200	<ul style="list-style-type: none"> • Telecommunications towers • Hazardous and corrosive environments • Cable trays
200/300		100/445	500/2224	WTAE200	
200/300		100/445	500/2224	WTC075	
200/300		100/445	500/2224	WTC075	
200/300		100/445	500/2224	WTC075	
200/300		100/445	500/2224	WTC075	

Ty-Rap® Stainless Steel Cable Ties have passed a variety of mechanical, environmental and electrical tests. Other data can be made available upon request.

Other Products for Corrosive Environments

Ty-Rap® Weather-Resistant Cable Ties

Bundle cables up to 4" in diameter in harsh environments.



Ty-Rap® Weather-Resistant Polypropylene Cable Ties



- Especially resistant to chemical exposure.
- For use in temperatures ranging from - 40°C to 85°C (-40°F to 185°F).
- Black polypropylene body and head construction with stainless steel locking device.

Bulk Pkg. Cat. No.	Width in./(mm)	Body Length in./(mm)	Max. Wire Bundle Dia. in./(mm)	Tensile Str. lb./n.	Bulk Pkg. Qty.
TYP23MX	0,09 / (2,29)	3,62 / (91,95)	0,63 / (16,00)	18 / (80,07)	1000
TYP25MX	0,18 / (4,57)	7,31 / (185,67)	1,75 / (44,45)	30 / (133,40)	1000
TYP28MX	0,18 / (4,57)	14,20 / (360,68)	4,00 / (101,60)	30 / (133,40)	1000
TYP27MX	0,27 / (6,86)	13,20 / (335,28)	3,50 / (88,90)	60 / (266,90)	500

Ty-Rap® Cable Ties Chemical Resistance

The table below shows the resistance of Ty-Rap® cable tie materials to various chemicals. The table is designed to help you determine the cable tie material best suited for a particular chemical environment.

Resistance of Available Materials to Various Chemicals at Temperature of 21°C (70°F)

Reagents	Concentration	Weather-Resistant Poly-Propylene as used in TYP X Series	Stainless Steel as used in TYS Series
Arsenic Acid	40%	E	E
Acetaldehyde	50%	—	—
Acetone	100%	E	E
Aluminum Hydroxide	AQ	E	E
Ammonia	All	E	E
Ammonium Carbonate	5%	E	E
Ammonium Hydroxide	10%	E	E
Ammonium Nitrate	—	E	E
Ammonium Sulfate	10%	S	S
Barium Carbonate	All	E	E
Barium Chloride	5%	E	E
Barium Sulfate	10%	E	E
Barium Sulfide	10%	E	E
Benzene	100%	S	E
Benzoic Acid	100%	E	E
Butyric Acid	50%	E	E
Calcium Carbonate	AQ	E	E
Calcium Hydroxide	20%	E	E
Calcium Hydrochlorite	2%	F	F
Calcium Sulfate	2%	E	E
Carbon Tetrachloride	100%	F	E
Chlorine (WET)	—	F	F
Chlorine (DRY)	—	NR	F
Chloroacetic Acid	30%	—	F
Chloroform	100%	F	E
Chromic Acid	50%	F	F
Citric Acid	50%	E	E
Copper Cyanide	10%	E	E
Copper Nitrate	50%	E	E
Cider	—	E	E
Dichloroethane	100%	—	E
Diethyl Ether	100%	E	E
Ethyl Alcohol	100%	E	E
Ethyl Chloride	100%	F	E
Ethylene Glycol	100%	E	E
Ferric Hydroxide	All	E	E
Ferric Nitrate	10%	E	E
Ferrous Sulfate	10%	E	E

Reagents	Concentration	Weather-Resistant Poly-Propylene as used in TYP X Series	Stainless Steel as used in TYS Series
Fuel Oil	100%	—	E
Furfural	100%	F	E
Gallic Acid	AQ	—	E
Gasoline	100%	S	E
Glycerine	100%	E	E
Hydrocyanic Acid	All	E	E
Hydrogen Peroxide	30%	E	E
Hydrogen Sulfide	Dry	E	E
Iodoform	100%	—	E
Isopropyl Alcohol	100%	All	E
Jet Fuel	100%	S	E
Lactic Acid	10%	E	E
Linolin	10%	E	E
Lead Acetate	5%	E	E
Linseed Oil	10%	E	E
Magnesium Carbonate	All	E	E
Magnesium Chloride	10%	F	F
Magnesium Nitrate	All	E	E
Malic Acid	AQ	E	E
Mercury	100%	E	E
Methyl Alcohol	100%	E	E
Methyl Chloride	100%	S	E
Methyl Ethyl Ketone	100%	E	E
Naptha	100%	E	E
Nitric Acid	30%	E	E
Nitric Acid	30 - 70%	F	E
Nitrous Acid	5%	F	E
Oleic Acid	100%	E	E
Oxalic Acid	10%	E	E
Paraffin	100%	E	E
Petroleum Ether	100%	F	E
Phenol	90%	E	E
Phosphoric Acid	10%	E	E
Picric Acid	1%	E	E
Potassium Bromide	AQ	S	S
Potassium Carbonate 1%	—	E	—
Potassium Chlorate	AQ	E	E
Potassium Dichromate	40%	E	E

Reagents	Concentration	Weather-Resistant Poly-Propylene as used in TYP X Series	Stainless Steel as used in TYS Series
Potassium Ferrocyanide	25%	E	E
Potassium Hydroxide	5%	E	E
Potassium Iodide	All	E	E
Potassium Nitrate	50%	E	E
Potassium Permanganate	5%	E	E
Potassium Sulfate	5%	E	E
Potassium Sulfide	AQ	E	E
Propyl Alcohol	100%	E	E
Silver Nitrate	10%	E	E
Sodium Acetate	60%	E	E
Sodium Bicarbonate	All	E	E
Sodium Bisulfate	10%	E	E
Sodium Borate	All	E	E
Sodium Carbonate	5%	E	E
Sodium Chlorate	25%	E	E
Sodium Chloride	2%	E	E
Sodium Fluoride	5%	F	F
Sodium Hydroxide	10%	E	E
Sodium Hyposulfite	AQ	—	E
Sodium Nitrate	5%	E	E
Sodium Nitrite	AQ	E	E
Sodium Perchlorate	10%	—	E
Sodium Phosphate	5%	E	E
Sodium Sulfate	5%	E	E
Sodium Thiosulfate	5%	S	S
Stearic Acid	100%	E	E
Sulfur	100%	E	E
Sulfur Dioxide	All	E	E
Sulfuric Acid	Conc.	S	E
Sulfuric Acid	5%	F	F
Tannic Acid	10%	E	E
Tartaric Acid	50%	E	E
Tetrahydrofuran	100%	F	E
Toluene	100%	F	F
Xylene	100%	F	E
Zinc Chloride	70%	E	E
Zinc Nitrate	AQ	E	E
Zinc Sulfate	AQ	E	E

Ratings: E = Excellent S = Satisfactory F = Fair NR = Not Recommended (AQ = Aqueous)

Other Products for Corrosive Environments