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Accessories

Accessories and Spare Parts for Safety Light Curtains

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Power Supplies

For use with the safety products such as the F3SJ and the MS4800, CE marked, DIN-rail mountable, Input: 115 or 230 VAC.

| | Part Number | Description | |
|--|---------------|-----------------------------------|--|
| S8JX-G05024CD 24 VDC power supply, 50 W, 2.1 A | | 24 VDC power supply, 50 W, 2.1 A | |
| | S8JX-G10024CD | 24 VDC power supply, 100 W, 4.2 A | |

Reset Switches

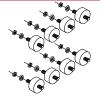
These switches can be mounted remotely and used to perform the reset function on all safety light curtains.

| Part Number | Description | |
|-------------|--|--|
| RK-1 | Key Switch Assembly, Panel Mount | |
| RK-2 | Push Button Switch Assembly, Panel Mount | |



Shock Mount Kits

These kits are used to isolate light curtain receivers and transmitters from possible sources of vibration. They can also be used to shock-mount controllers/power supplies and mirrors. Each kit consists of eight mounts.



| MS/MSF4800 Series | |
|---------------------------------|---|
| MS/MSF4800 Lengths 280-960 | 2 |
| MS/MSF4800 Lengths 1000-1400 | 3 |
| MS/MSF4800 Lengths 1440-2120 | 4 |

| PA4600 Series | |
|---------------|---|
| PA46-2-500 | 3 |
| PA46-2-600 | 3 |
| PA46-3-400 | 3 |
| PA46-3-500 | 4 |
| PA46-4-300 | 3 |
| PA46-5-300 | 4 |
| PA46-6-300 | 4 |

| Part Number Description | | |
|-------------------------|---|--|
| SHMS-18 | Shock mounting kit for weight class 2 | |
| SHP4-18 | Shock mounting kit for weight class 3 and 4 | |

Test Objects

Replacement test objects can be ordered by part number. Make sure to order the test object for the correct light curtain model.

| Part Number | Description | | |
|-------------|---|--|--|
| STI-TO20 | Test object, 19.1 mm (0.75 in.) for F3SJ-A_P20 and MS4800-20 | | |
| STI-TO30 | Test object, 30 mm (1.18 in.) for F3SJ-A_P30 and MS4800-30 | | |
| STI-TO14 | Test object, 14 mm (0.55 in.) for F3SJ-A_P14 and MS4800-14 | | |
| STI-TO40 | Test object, 40 mm (1.57 in.) for MS4800-40 | | |
| STI-TO24 | Test object, 24 mm (0.94 in.) for F3SJ-A_P14, amd MS4800-14 (with floating blanking 1-beam) | | |
| STI-TO34 | Test object, 34 mm (1.34 in.) for F3SJ-A_P14 and MS4800-14 (with floating blanking 2-beam) | | |

Laser Alignment Tool

To assist with long-range alignment of installations.

| Model Number | Description | _ |
|--------------|---|------|
| 46LA | Laser alignment tool for use with PA4600 and MS4800 | |
| | | |
| | 1 | 46LA |





Mirrors

The correct mirror is important in maintaining the integrity of a safety light curtain system. Whenever an infrared beam strikes a mirror a certain percentage of the signal will be lost. In order to minimize this loss, glass and stainless steel mirrors from Omron use materials of the highest optical quality.

Mirror Material

| Mirror Material | Percentage of range lost per mirror | | |
|--------------------------------|-------------------------------------|--|--|
| Front Reflective Surface Glass | 12% | | |
| Polished Stainless Steel | 18% | | |

Net Range Using Mirrors (percentage of maximum range)

| | No. of Mirrors Used | | | |
|-----------------|---------------------|-----|-----|-----|
| Material | 1 | 2 | 3 | 4 |
| Glass | 88% | 77% | 68% | 60% |
| Stainless Steel | 82% | 67% | 55% | 45% |

Glass mirrors are built with front reflective surface glass. This material provides the minimum possible signal loss. For applications where the possibility of broken glass cannot be tolerated, wide, polished stainless steel mirrors are available.

Mirrors are available in both a narrow and a wide package. If space permits, the wide mirrors are recommended for ease of alignment. Narrow mirrors have 51 mm (2 in.) wide reflective surfaces and can be used on applications where space is limited or the range between the light curtain transmitter and receiver is short. Wide mirrors have 108 mm (4.25 in.) wide reflective surfaces and ease alignment on applications with a large perimeter or where there are no space limitations.

NOTE: Mirrors can only be mounted using the MIRS-xx Series Heavy Duty Floor Stands.

| | Model Number Weight Narrow Glass kg/lb. | Model Number | Weight | Model | Number | |
|------------------|---|--------------|-----------|-----------|-----------------------|--------------------------|
| Length | | | | kg/lb. | Wide Stainless Steel* | Narrow Stainless Steel*† |
| 102 mm (4 in.) | MIRN-04FG | 0.8/1.74 | MIRW-04FG | 1.0/2.3 | MIRW-04SS | MIR-04SS-ESD |
| 152 mm (6 in.) | | | MIRW-06FG | 1.3/2.8 | MIRW-06SS | |
| 203 mm (8 in.) | MIRN-08FG | 1.0/2.36 | MIRW-08FG | 1.5/3.3 | MIRW-08SS | MIR-08SS-ESD |
| 305 mm (12 in.) | MIRN-12FG | 1.4/2.98 | MIRW-12FG | 1.9/4.2 | MIRW-12SS | MIR-12SS-ESD |
| 406 mm (16 in.) | MIRN-16FG | 1.6/3.60 | MIRW-16FG | 2.4/5.2 | MIRW-16SS | MIR-16SS-ESD |
| 457 mm (18 in.) | | | MIRW-18FG | 2.5/5.6 | MIRW-18SS | |
| 508 mm (20 in.) | MIRN-20FG | 1.9/4.22 | MIRW-20FG | 2.8/6.1 | MIRW-20SS | MIR-20SS-ESD |
| 610 mm (24 in.) | MIRN-24FG | 2.2/4.84 | MIRW-24FG | 3.2/7.1 | MIRW-24SS | MIR-24SS-ESD |
| 711 mm (28 in.) | MIRN-28FG | 2.5/5.46 | MIRW-28FG | 3.7/8.1 | MIRW-28SS | MIR-28SS-ESD |
| 762 mm (30 in.) | | | MIRW-30FG | 3.8/8.5 | MIRW-30SS | |
| 813 mm (32 in.) | MIRN-32FG | 2.8/6.08 | MIRW-32FG | 4.0/9.0 | MIRW-32SS | MIR-32SS-ESD |
| 913 mm (36 in.) | MIRN-36FG | 3.0/6.70 | MIRW-36FG | 4.5/9.9 | MIRW-36SS | MIR-36SS-ESD |
| 1016 mm (40 in.) | MIRN-40FG | 3.3/7.32 | MIRW-40FG | 5.0/10.9 | MIRW-40SS | MIR-40SS-ESD |
| 1067 mm (42 in.) | | | MIRW-42FG | 5.2/11.4 | MIRW-42SS | |
| 1118 mm (44 in.) | MIRN-44FG | 3.6/7.94 | MIRW-44FG | 5.4/11.9 | MIRW-44SS | MIR-44SS-ESD |
| 1219 mm (48 in.) | MIRN-48FG | 3.9/8.56 | MIRW-48FG | 5.9/12.9 | MIRW-48SS | MIR-48SS-ESD |
| 1321 mm (52 in.) | | | MIRW-52FG | 5.3/13.8 | MIRW-52SS | |
| 1372 mm (54 in.) | | | MIRW-54FG | 6.5/14.3 | MIRW-54SS | |
| 1422 mm (56 in.) | | | MIRW-56FG | 6.7/14.8 | MIRW-56SS | |
| 1524 mm (60 in.) | | | MIRW-60FG | 7.2/15.8 | MIRW-60SS | |
| 1626 mm (64 in.) | | | MIRW-64FG | 7.6/16.8 | MIRW-64SS | |
| 1830 mm (72 in.) | | | MIRW-72FG | 8.5/18.6 | MIRW-72SS | |
| 2134 mm (84 in.) | | | MIRW-84FG | 9.8/21.5 | MIRW-84SS | |
| 2440 mm (96 in.) | | | MIRW-96FG | 11.0/24.3 | MIRW-96SS | |

^{*} Consult factory for weights.





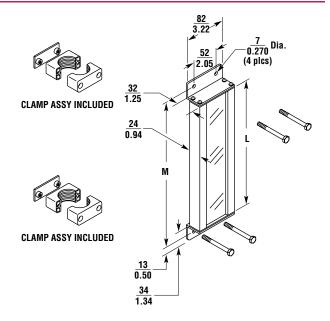
[†] Use for ESD applications

Mirrors (continued)

Narrow Mirror Package (MIRN)

Narrow Mirror Dimensions— Front Reflective Surface Glass

| Part Number | Dimension L mm/in. | Dimension M mm/in. |
|-------------|-----------------------|-----------------------|
| MIRN-04FG | 152/6.0 | 195/7.68 |
| MIRN-08FG | 254/10.0 | 297/11.68 |
| MIRN-12FG | 356/14.0 | 398/15.68 |
| MIRN-16FG | 457/18.0 | 500/19.68 |
| MIRN-20FG | 559/22.0 | 601/23.68 |
| MIRN-24FG | 660/26.0 | 703/27.68 |
| MIRN-28FG | 762/30.0 | 805/31.68 |
| MIRN-32FG | 864/34.0 | 906/35.68 |
| MIRN-36FG | 965/38.0 | 1008/39.68 |
| MIRN-40FG | 1067/42.0 | 1109/43.68 |
| MIRN-44FG | 1168/46.0 | 1211/47.68 |
| MIRN-48FG | 1270/50.0 | 1313/51.68 |

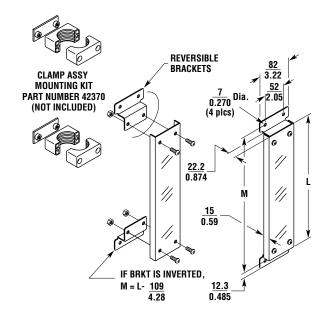


Narrow Mirror Dimensions— Stainless Steel Reflective Surface

| Part Number | Dimension L mm/in. | Dimension M mm/in. |
|--------------|-----------------------|-----------------------|
| MIR-04SS-ESD | 203/8.0 | 236/9.28 |
| MIR-08SS-ESD | 305/12.0 | 337/13.28 |
| MIR-12SS-ESD | 406/16.0 | 439/17.28 |
| MIR-16SS-ESD | 508/20.0 | 541/21.28 |
| MIR-20SS-ESD | 610/24.0 | 642/25.28 |
| MIR-24SS-ESD | 711/28.0 | 744/29.28 |
| MIR-28SS-ESD | 813/32.0 | 845/33.28 |
| MIR-32SS-ESD | 914/36.0 | 947/37.28 |
| MIR-36SS-ESD | 1016/40.0 | 1049/41.28 |
| MIR-40SS-ESD | 1118/44.0 | 1150/45.28 |
| MIR-44SS-ESD | 1219/48.0 | 1252/49.28 |
| MIR-48SS-ESD | 1321/52.0 | 1353/53.28 |

Notes: Use for ESD applications.

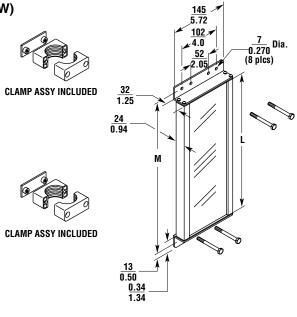
Use mounting kit Model Number 42370 to mount to stands.





Mirrors (continued)

Wide Mirror Package (MIRW)



Wide Mirror Dimensions— Front Reflective Surface Glass

| Part Number | Dimension L mm/in. | Dimension M mm/in. |
|-------------|-----------------------|--------------------|
| MIRW-04 | 140/5.5 | 182/7.18 |
| MIRW-06 | 191/7.5 | 233/9.18 |
| MIRW-08 | 241/9.5 | 284/11.18 |
| MIRW-12 | 343/13.5 | 386/15.18 |
| MIRW-16 | 445/17.5 | 487/19.18 |
| MIRW-18 | 495/19.5 | 538/21.18 |
| MIRW-20 | 546/21.5 | 589/23.18 |
| MIRW-24 | 648/25.5 | 690/27.18 |
| MIRW-28 | 749/29.5 | 792/31.18 |
| MIRW-30 | 800/31.5 | 843/33.18 |
| MIRW-32 | 851/33.5 | 894/35.18 |
| MIRW-36 | 953/37.5 | 995/39.18 |
| MIRW-40 | 1054/41.5 | 1097/43.18 |
| MIRW-42 | 1105/43.5 | 1148/45.18 |
| MIRW-44 | 1156/45.5 | 1198/47.18 |
| MIRW-48 | 1257/49.5 | 1300/51.18 |
| MIRW-52 | 1359/53.5 | 1402/55.18 |
| MIRW-54 | 1410/55.5 | 1452/57.18 |
| MIRW-56 | 1461/57.5 | 1503/59.18 |
| MIRW-60 | 1562/61.5 | 1605/63.18 |
| MIRW-64 | 1664/65.5 | 1706/67.18 |
| MIRW-72 | 1867/73.5 | 1910/75.18 |
| MIRW-84 | 2172/85.5 | 2214/87.18 |
| MIRW-96 | 2477/97.5 | 2519/99.18 |

Wide Mirror Dimensions— Stainless Steel Reflective Surface

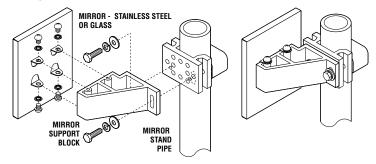
| Part Number | Dimension L mm/in. | Dimension M mm/in. |
|-------------|-----------------------|-----------------------|
| MIRW-04SS | 140/5.5 | 182/7.18 |
| MIRW-06SS | 191/7.5 | 233/9.18 |
| MIRW-08SS | 241/9.5 | 284/11.18 |
| MIRW-12SS | 343/13.5 | 386/15.18 |
| MIRW-16SS | 445/17.5 | 487/19.18 |
| MIRW-18SS | 495/19.5 | 538/21.18 |
| MIRW-20SS | 546/21.5 | 589/23.18 |
| MIRW-24SS | 648/25.5 | 690/27.18 |
| MIRW-28SS | 749/29.5 | 792/31.18 |
| MIRW-30SS | 800/31.5 | 843/33.18 |
| MIRW-32SS | 851/33.5 | 894/35.18 |
| MIRW-36SS | 953/37.5 | 995/39.18 |
| MIRW-40SS | 1054/41.5 | 1097/43.18 |
| MIRW-42SS | 1105/43.5 | 1148/45.18 |
| MIRW-44SS | 1156/45.5 | 1198/47.18 |
| MIRW-48SS | 1257/49.5 | 1300/51.18 |
| MIRW-52SS | 1359/53.5 | 1402/55.18 |
| MIRW-54SS | 1410/355.5 | 1452/57.18 |
| MIRW-56SS | 1461/57.5 | 1503/59.18 |
| MIRW-60SS | 1562/61.5 | 1605/63.18 |
| MIRW-64SS | 1664/65.5 | 1706/67.18 |
| MIRW-72SS | 1867/73.5 | 1910/75.18 |
| MIRW-84SS | 2172/85.5 | 2214/87.18 |
| MIRW-96SS | 2477/97.5 | 2519/99.18 |

45° Mirror and Bracket

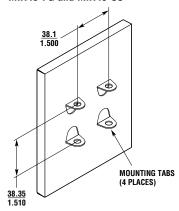
Use with PA4600 applications using a "double-bounce" arrangement.

| Part Number | Description |
|-------------|---|
| MIR45-FG | 4 in. front reflective surface glass mirror for use with MIR45BKT |
| MIR45-SS | 4 in. polished stainless steel mirror for use with MIR45BKT |
| MIR45BKT | Bracket for mounting MIR45 to stand at 45° angle |

MIR45BKT



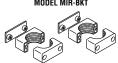
MIR45-FG and MIR45-SS

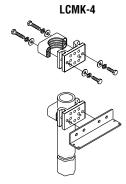


Mounting Accessories

| Model Number | Description |
|--------------|--|
| LCMK-4 | Allows a transmitter/receiver pair of any model light curtain to be mounted to stands. |
| MIR-BKT | Mirror mounting brackets, will mount to MIRS stands |











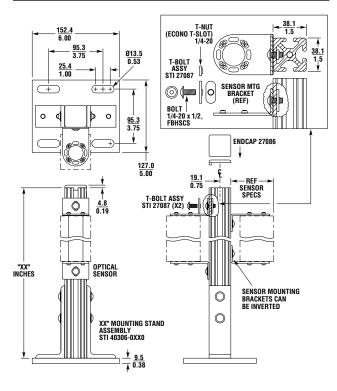
Floor Stands

Light Duty Floor Stands

Light curtains and perimeter guards used to detect the torso of personnel have specific mounting requirements per ANSI/RIA R15.06 and other standards. These light duty stands are ideal for mounting the bottom beam of the light curtain or perimeter guard within the required 0.3 m (12 in.) from the floor. The Light Duty Floor Stand is a cost effective alternative to our more robust heavy duty stand, and mounting hardware is included.

NOTE: Mirrors cannot be mounted using the Light Duty Floor Stands. Use the MIRS-xx Series Heavy Duty Floor Stands when mounting mirrors.

| Model Number | Description | Height m/in. |
|--------------|------------------------|--------------|
| PA-STAND-40 | Light-Duty Floor Stand | 1.0/40 |
| PA-STAND-44 | Light-Duty Floor Stand | 1.1/44 |
| PA-STAND-48 | Light-Duty Floor Stand | 1.2/48 |
| PA-STAND-52 | Light-Duty Floor Stand | 1.3/52 |
| PA-STAND-56 | Light-Duty Floor Stand | 1.4/56 |
| PA-STAND-64 | Light Duty Floor Stand | 1.6/64 |
| PA-STAND-72 | Light Duty Floor Stand | 1.8/72 |



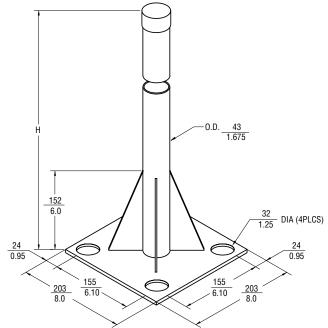


Heavy Duty Floor Stands

Stands provide a stable, secure method for mounting both safety light curtains and mirrors. Hardware for mounting stand to concrete floor is included.

NOTE: Mirrors can only be mounted using the MIRS-xx Series Heavy Duty Floor Stands.

| Model Number | Height m/ft. | Weight kg/lb. |
|--------------|--------------|---------------|
| MIRS-04 | 1.2/4 | 8.8/19.3 |
| MIRS-06 | 1.8/6 | 11.2/24.7 |
| MIRS-07 | 2.1/7 | 12.5/27.4 |
| MIRS-08 | 2.4/8 | 13.7/30.1 |
| MIRS-10 | 3.1/10 | 16.1/35.4 |

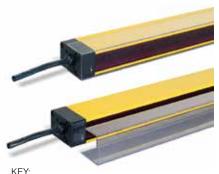




Weld Slag Protective Shields

- Available for the PA4600, F3SJ, and MS4800 families
- Reduces down time and increases the life of the curtain
- · Resistant to many chemicals and compounds
- · Easy to install and replace
- Lexan® construction

These protective shields are designed to protect the light curtains, when used in harsh applications. In many cases, welding cell applications produce hot weld slag that over time may damage the lens (filter) and degrade the light curtain's performance. These covers offer the user the ability to easily and inexpensively reduce machine down time. The covers are available to fit all sizes



R - Resistant LR - Limited Resistance

NR - Not Resistant

Chemical Resistance of Lexan®

| Chemical Class | | Effects |
|--|----|--|
| Acids | R | No significant effect under most typical conditions of concentration and temperature. |
| Alcohols | LR | Generally compatible at low concentration and room temperature. Higher concentrations and elevated temperatures can result in etching and attack evidenced by decomposition. |
| Alkalis | LR | Generally compatible at low concentration and room temperature. Higher concentrations and elevated temperatures can result in etching and attack evidenced by decomposition. |
| Aliphatic Hydrocarbons | R | Generally compatible. |
| Amines | NR | Surface crystallization and chemical attack. |
| Aromatic Hydrocarbons | NR | Partial solvents and severe stress cracking agents (i.e. xylene, toluene). |
| Detergents and Cleaners | LR | Mild soap solutions are generally compatible. |
| Detergents and Cleaners, with Alkaline Materials | NR | |
| Esters | NR | Cause severe crystallization. Partial solvents. |
| Greases and Oils | LR | Pure petroleum types generally compatible. |
| Halogenerated Hydrocarbons | NR | Solvents. |
| Ketones | NR | Cause severe crystallization and stress cracking. Partial solvents. |
| Silicone Oil and Greases | LR | Generally compatible up to 85°C (185°F). |
| Silicone Oil and Greases, with Alkaline Materials | NR | |

Notes:

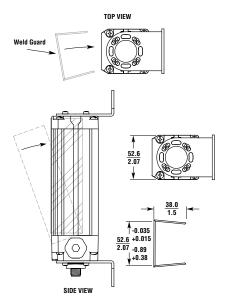
Lexan® is a registered trademark of G.E. General Electric Corp.

Certain combinations of chemical environments, temperature and stress can adversely affect thermoplastic parts made from LEXAN resin. For this reason, lubricants, gaskets, O-rings, cleaning solvents, or any other material which may come in contact with the finished part must be carefully evaluated under end-use conditions for compatibility. You should also follow the use and compatibility recommendations of the manufacturer of any such material.

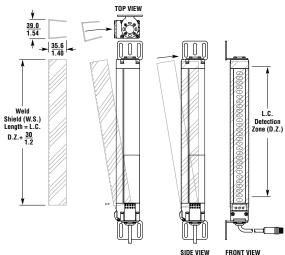
LEXAN resin generally is stable to water, mineral acids and organic acids. Crazing and/or embrittlement may occur if a part molded from LEXAN resin is highly stressed and exposed to hot water or a moist high-temperature environment. As a result, a temperature limit of 60 to 71°C (140 to 160°F) is recommended under these conditions.

Dimensions—mm/in.

PA4600 Perimeter Access Guarding Device



MS4800 Light Curtain (L.C.)







Weld Slag Protective Shields (continued)

| Model Number | Description | mm/in. |
|----------------------------------|--|------------|
| Lexan Weld Shield Kit for PA4600 | | |
| PA4600WS-1 | PA4600-1-000 weld shield kit (1 pair) | 135/5.3 |
| PA4600WS-2 | PA4600 weld shield kit (1 pair) | 180/7.1 |
| PA4600WS-4 | PA4600 weld shield kit (2 pairs) | 180/7.1 |
| Lexan Weld Shield Kit | for MS4800* | |
| MS4800WS-0240 | 240 mm Kit | 270/10.63 |
| MS4800WS-0280 | 280 mm Kit | 310/12.21 |
| MS4800WS-0320 | 360 mm Kit | 350/13.78 |
| MS4800WS-0360 | 360 mm Kit | 390/15.35 |
| MS4800WS-0400 | 400 mm Kit | 430/16.93 |
| MS4800WS-0440 | 440 mm Kit | 470/18.50 |
| MS4800WS-0480 | 480 mm Kit | 510/20.08 |
| MS4800WS-0520 | 520 mm Kit | 550/21.65 |
| MS4800WS-0560 | 560 mm Kit | 590/23.23 |
| MS4800WS-0600 | 600 mm Kit | 630/24.80 |
| MS4800WS-0640 | 640 mm Kit | 670/26.38 |
| MS4800WS-0680 | 680 mm Kit | 710/27.95 |
| MS4800WS-0720 | 720 mm Kit | 750/29.53 |
| MS4800WS-0760 | 760 mm Kit | 790/31.10 |
| MS4800WS-0800 | 800 mm Kit | 830/32.68 |
| MS4800WS-0840 | 840 mm Kit | 870/34.25 |
| MS4800WS-0880 | 880 mm Kit | 910/35.83 |
| MS4800WS-0920 | 920 mm Kit | 950/37.40 |
| MS4800WS-0960 | 960 mm Kit | 990/38.98 |
| MS4800WS-1000 | 1000 mm Kit | 1030/40.55 |
| MS4800WS-1040 | 1040 mm Kit | 1070/42.13 |

| Model Number | Description | mm/in. |
|---------------|-------------|------------|
| MS4800WS-1080 | 1080 mm Kit | 1110/43.70 |
| MS4800WS-1120 | 1120 mm Kit | 1150/45.28 |
| MS4800WS-1160 | 1160 mm Kit | 1190/46.85 |
| MS4800WS-1200 | 1200 mm Kit | 1230/48.43 |
| MS4800WS-1240 | 1240 mm Kit | 1270/50.00 |
| MS4800WS-1280 | 1280 mm Kit | 1310/51.57 |
| MS4800WS-1320 | 1320 mm Kit | 1350/53.15 |
| MS4800WS-1360 | 1360 mm Kit | 1390/54.72 |
| MS4800WS-1400 | 1400 mm Kit | 1430/56.30 |
| MS4800WS-1440 | 1440 mm Kit | 1470/57.87 |
| MS4800WS-1480 | 1480 mm Kit | 1510/59.45 |
| MS4800WS-1520 | 1520 mm Kit | 1550/61.02 |
| MS4800WS-1560 | 1560 mm Kit | 1590/62.60 |
| MS4800WS-1600 | 1600 mm Kit | 1630/64.17 |
| MS4800WS-1640 | 1640 mm Kit | 1670/65.75 |
| MS4800WS-1680 | 1680 mm Kit | 1710/67.32 |
| MS4800WS-1720 | 1720 mm Kit | 1750/68.90 |
| MS4800WS-1760 | 1760 mm Kit | 1790/70.47 |
| MS4800WS-1800 | 1800 mm Kit | 1830/72.05 |
| MS4800WS-1840 | 1840 mm Kit | 1870/73.62 |
| MS4800WS-1880 | 1880 mm Kit | 1910/75.20 |
| MS4800WS-1920 | 1920 mm Kit | 1950/76.77 |
| MS4800WS-1960 | 1960 mm Kit | 1990/78.35 |
| MS4800WS-2000 | 2000 mm Kit | 2030/79.92 |
| MS4800WS-2040 | 2040 mm Kit | 2070/81.50 |
| MS4800WS-2080 | 2080 mm Kit | 2110/83.07 |
| MS4800WS-2120 | 2120 mm Kit | 2150/84.65 |

^{*}MS4800 weld shield kits consists of one pair.

IP67 Enclosures for Mounting Safety Light Curtains in Wash-down Applications

- Available in the full range of sizes
- Reduces down time and increases the life of the light curtain
- Resistant to many chemicals and compounds (see tables on subsequent pages)
- Improved mounting system
- Reinforced stainless steel brackets

The IP67 Enclosure is designed for washdown applications. The enclosure is constructed with an acrylic tube. The brackets are made of stainless steel. The radial seal prevents fluids from coming in contact with the safety light curtain.

Operating characteristics of the light curtain are affected by the enclosure. The range is reduced by 10% and the effective aperture angle changes to less than ±3°.

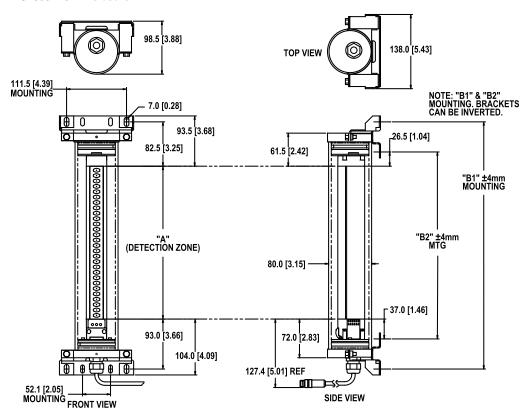




IP67 Enclosures (continued)

Dimensions—mm/in.

MS4800 IP67 Enclosure



IP67 Enclosures for MS4800 (non-cascaded versions)

| Model Number | |
|------------------|-----------------------|
| MS4800-IP67-0240 | Kit for MS4800 240 mm |
| MS4800-IP67-0280 | Kit for MS4800 280 mm |
| MS4800-IP67-0320 | Kit for MS4800 320 mm |
| MS4800-IP67-0360 | Kit for MS4800 360 mm |
| MS4800-IP67-0400 | Kit for MS4800 400 mm |
| MS4800-IP67-0440 | Kit for MS4800 440 mm |
| MS4800-IP67-0480 | Kit for MS4800 480 mm |
| MS4800-IP67-0520 | Kit for MS4800 520 mm |
| MS4800-IP67-0560 | Kit for MS4800 560 mm |
| MS4800-IP67-0600 | Kit for MS4800 600 mm |
| MS4800-IP67-0640 | Kit for MS4800 640 mm |
| MS4800-IP67-0680 | Kit for MS4800 680 mm |
| MS4800-IP67-0720 | Kit for MS4800 720 mm |
| MS4800-IP67-0760 | Kit for MS4800 760 mm |
| MS4800-IP67-0800 | Kit for MS4800 800 mm |
| MS4800-IP67-0840 | Kit for MS4800 840 mm |

| Model Number | |
|------------------|------------------------|
| MS4800-IP67-0880 | Kit for MS4800 880 mm |
| MS4800-IP67-0920 | Kit for MS4800 920 mm |
| MS4800-IP67-0960 | Kit for MS4800 960 mm |
| MS4800-IP67-1000 | Kit for MS4800 1000 mm |
| MS4800-IP67-1040 | Kit for MS4800 1040 mm |
| MS4800-IP67-1080 | Kit for MS4800 1080 mm |
| MS4800-IP67-1120 | Kit for MS4800 1120 mm |
| MS4800-IP67-1160 | Kit for MS4800 1160 mm |
| MS4800-IP67-1200 | Kit for MS4800 1200 mm |
| MS4800-IP67-1240 | Kit for MS4800 1240 mm |
| MS4800-IP67-1280 | Kit for MS4800 1280 mm |
| MS4800-IP67-1320 | Kit for MS4800 1320 mm |
| MS4800-IP67-1360 | Kit for MS4800 1360 mm |
| MS4800-IP67-1400 | Kit for MS4800 1400 mm |
| MS4800-IP67-1440 | Kit for MS4800 1440 mm |
| MS4800-IP67-1480 | Kit for MS4800 1480 mm |

| Model Number | |
|------------------|------------------------|
| MS4800-IP67-1520 | Kit for MS4800 1520 mm |
| MS4800-IP67-1560 | Kit for MS4800 1560 mm |
| MS4800-IP67-1600 | Kit for MS4800 1600 mm |
| MS4800-IP67-1640 | Kit for MS4800 1640 mm |
| MS4800-IP67-1680 | Kit for MS4800 1680 mm |
| MS4800-IP67-1720 | Kit for MS4800 1720 mm |
| MS4800-IP67-1760 | Kit for MS4800 1760 mm |
| MS4800-IP67-1800 | Kit for MS4800 1800 mm |
| MS4800-IP67-1840 | Kit for MS4800 1840 mm |
| MS4800-IP67-1880 | Kit for MS4800 1880 mm |
| MS4800-IP67-1920 | Kit for MS4800 1920 mm |
| MS4800-IP67-1960 | Kit for MS4800 1960 mm |
| MS4800-IP67-2000 | Kit for MS4800 2000 mm |
| MS4800-IP67-2040 | Kit for MS4800 2040 mm |
| MS4800-IP67-2080 | Kit for MS4800 2080 mm |
| MS4800-IP67-2120 | Kit for MS4800 2120 mm |

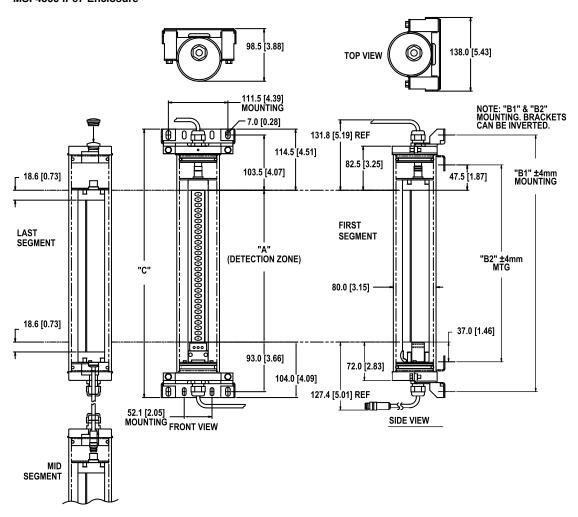




IP67 Enclosures (continued)

Dimensions—mm/in.

MSF4800 IP67 Enclosure



IP67 Enclosures for MSF4800 (cascaded versions)

| Model Number | |
|-------------------|------------------------|
| MSF4800-IP67-0240 | Kit for MSF4800 240 mm |
| MSF4800-IP67-0280 | Kit for MSF4800 280 mm |
| MSF4800-IP67-0320 | Kit for MSF4800 320 mm |
| MSF4800-IP67-0360 | Kit for MSF4800 360 mm |
| MSF4800-IP67-0400 | Kit for MSF4800 400 mm |
| MSF4800-IP67-0440 | Kit for MSF4800 440 mm |
| MSF4800-IP67-0480 | Kit for MSF4800 480 mm |
| MSF4800-IP67-0520 | Kit for MSF4800 520 mm |
| MSF4800-IP67-0560 | Kit for MSF4800 560 mm |
| MSF4800-IP67-0600 | Kit for MSF4800 600 mm |
| MSF4800-IP67-0640 | Kit for MSF4800 640 mm |
| MSF4800-IP67-0680 | Kit for MSF4800 680 mm |
| MSF4800-IP67-0720 | Kit for MSF4800 720 mm |
| MSF4800-IP67-0760 | Kit for MSF4800 760 mm |
| MSF4800-IP67-0800 | Kit for MSF4800 800 mm |
| MSF4800-IP67-0840 | Kit for MSF4800 840 mm |

| Model Number | |
|-------------------|-------------------------|
| MSF4800-IP67-0880 | Kit for MSF4800 880 mm |
| MSF4800-IP67-0920 | Kit for MSF4800 920 mm |
| MSF4800-IP67-0960 | Kit for MSF4800 960 mm |
| MSF4800-IP67-1000 | Kit for MSF4800 1000 mm |
| MSF4800-IP67-1040 | Kit for MSF4800 1040 mm |
| MSF4800-IP67-1080 | Kit for MSF4800 1080 mm |
| MSF4800-IP67-1120 | Kit for MSF4800 1120 mm |
| MSF4800-IP67-1160 | Kit for MSF4800 1160 mm |
| MSF4800-IP67-1200 | Kit for MSF4800 1200 mm |
| MSF4800-IP67-1240 | Kit for MSF4800 1240 mm |
| MSF4800-IP67-1280 | Kit for MSF4800 1280 mm |
| MSF4800-IP67-1320 | Kit for MSF4800 1320 mm |
| MSF4800-IP67-1360 | Kit for MSF4800 1360 mm |
| MSF4800-IP67-1400 | Kit for MSF4800 1400 mm |
| MSF4800-IP67-1440 | Kit for MSF4800 1440 mm |
| MSF4800-IP67-1480 | Kit for MSF4800 1480 mm |

| Model Number | |
|-------------------|-------------------------|
| MSF4800-IP67-1520 | Kit for MSF4800 1520 mm |
| MSF4800-IP67-1560 | Kit for MSF4800 1560 mm |
| MSF4800-IP67-1600 | Kit for MSF4800 1600 mm |
| MSF4800-IP67-1640 | Kit for MSF4800 1640 mm |
| MSF4800-IP67-1680 | Kit for MSF4800 1680 mm |
| MSF4800-IP67-1720 | Kit for MSF4800 1720 mm |
| MSF4800-IP67-1760 | Kit for MSF4800 1760 mm |
| MSF4800-IP67-1800 | Kit for MSF4800 1800 mm |
| MSF4800-IP67-1840 | Kit for MSF4800 1840 mm |
| MSF4800-IP67-1880 | Kit for MSF4800 1880 mm |
| MSF4800-IP67-1920 | Kit for MSF4800 1920 mm |
| MSF4800-IP67-1960 | Kit for MSF4800 1960 mm |
| MSF4800-IP67-2000 | Kit for MSF4800 2000 mm |
| MSF4800-IP67-2040 | Kit for MSF4800 2040 mm |
| MSF4800-IP67-2080 | Kit for MSF4800 2080 mm |
| MSF4800-IP67-2120 | Kit for MSF4800 2120 mm |





IP67 Enclosures (continued)

Chemical Resistance of Acrylic Tube

KEY: R - Resistant

LR - Limited Resistance

NR - Not Resistant

| PAINT | |
|--|---------------|
| Acrylic paints and lacquers | LR |
| Aromatic-free hydrocarbons | R |
| Nitrocellulose | NR |
| Oil paints, pure | R |
| Thinners, general | NR |
| CHEMICAL PROCESS BATHS | |
| Electroplating baths | R |
| Photographic baths | R |
| BUILDING MATERIALS AND PROTECTIVE AGENTS FOR | |
| BUILDINGS Bituminous emulsion | NR |
| Cement | R |
| Hot bitumen | LR |
| Mortar | R |
| | R |
| Plaster of paris | |
| Red lead CHEMICALS, SOLVENTS, ETC | R |
| | $\overline{}$ |
| Acetic acid, glacial | NR |
| Acetic acid, to 25% | LR |
| Acetone | NR |
| Alum | R |
| Aluminium chloride | R |
| Aluminium oxalate | R |
| Aluminium sulphate | R |
| Ammonia, aqueous solution | R |
| Ammonium sulphate | R |
| Amyl acetate | NR |
| Aniline | NR |
| Arsenic | R |
| Arsenic acid | R |
| Battery acid | R |
| Benzaldehyde | NR |
| Benzene | NR |
| Bromine | NR |
| Butanol | LR |
| Butyl lactate | NR |
| Butyric acid, to 5% | R |
| Calcium chloride | R |
| Calcium hypochlorite | R |
| Carbon disulfide | NR |
| Carbon tetrachloride | NR |
| Chlorinated hydrocarbons | NR |
| Chlorine, liquid | NR |
| Chlorine, water | LR |
| Chloroethyl acetate | NR |
| Chlorophenol | NR |
| Chromic acid | LR |
| Citric acid, to 20% | R |
| Copper sulphate | R |
| Cresol | NR |
| Cyclohexane | R |
| Diacetone alcohol | NR |
| Diamyl phthalate | LR |
| Dibutyl phthalate | NR |
| Diethylene glycol | R |
| | |

| Ether | NR |
|--|---------|
| Ethyl acetate | NR |
| Ethyl alcohol, absolute | NR |
| Ethyl alcohol, to 30% | LR |
| Ethyl bromide | NR |
| Ethyl butyrate | NR |
| Ethylene bromide | NR |
| Ferric chloride | R |
| Ferrous chloride | - |
| | R |
| Ferrous sulphate | R |
| Formic acid, to 2% | R |
| Formic acid, to 40% | LR |
| Glycerol | R |
| Glycol | R |
| Heptane | R |
| Hexane | R |
| Hydrochloric acid | R |
| Hydrogen peroxide, over 40% | LR |
| Hydrogen peroxide, to 40% | R |
| lodine | R |
| Isopropyl alcohol, to 50% | LR |
| Lactic acid, to 80% | LR |
| Magnesium chloride | R |
| Magnesium sulphate | R |
| Manganese sulphate | R |
| Mercury | R |
| Methanol, absolute | NR |
| Methanol, to 30% | LR |
| Methyl ethyl ketone | NR |
| Methylated spirits | NR |
| Milk of lime | R |
| Monobromonaphthalene | R |
| Motor fuel benzene-free | R |
| Motor fuel, with benzene | NR |
| Nickel sulphate | R |
| Nitric acid, to 20% | R |
| Nitric acid, 20 - 70% | LR |
| Nitric acid, over 70% | NR |
| Oxalic acid | R |
| Paraffin | LR |
| Perchloroethylene | NR |
| Petroleum ether | R |
| | _ |
| Phenois Phosphoric acid to 10% | NR R |
| Phosphoric acid, to 10% Phosphorus trichloride | NR |
| ' | |
| Phosphorus, yellow | NR |
| Picric acid, 1% in water | R |
| Potassium bichromate | R |
| Potassium carbonate | R |
| Potassium chloride | R |
| Potassium cyanide | R |
| Potassium hydroxide | R |
| Potassium nitrate | R |
| Potassium permanganate | R |
| Silicon tetrachloride | NR |
| Silver nitrate | R |
| Soap solution | R |
| Soda | R |
| Sodium bisulfite | R |
| Sodium carbonate | R |
| Sodium chlorate | R |
| Sodium chloride | R |
| Sodium hydroxide | R |
| Sodium hypochlorite | R |
| | R |
| Sodium sulphate | 111 |

Sodium sulphide

R

| | _ |
|---|---|
| Stearic acid | R |
| Sulphur | R |
| Sulphur dioxide, liquid | NR |
| Sulfuric acid, to 30% | R |
| Sulphurous acid, conc | LR |
| Sulphurous acid, to 5% | R |
| Sulfuryl chloride | R |
| Tartaric acid, to 50% | R |
| Thionyl chloride | NR |
| Tin chloride | R |
| Toluene | NR |
| Triethylamine | R |
| Trichloroacetic acid | NR |
| Tricresyl phosphate | R |
| | LR |
| Turpentine | _ |
| Turpentine substitute | LR |
| Urea, to 20% | R |
| Xylene | NR |
| Zinc sulphate, aqueous | R |
| Zinc sulphate, solid | R |
| DISINFECTANTS | |
| Bleaching powder | R |
| Carbolic acid | NR |
| Hydrogen peroxide, to 40% | R |
| Hydrogen peroxide, over 40% | LR |
| lodine tincture, 5% | NR |
| Lugol solution | R |
| Mercuric chloride | R |
| | NR |
| Surgical spirit | INH |
| GREASES, OILS, WAXES | _ |
| Animal | R |
| | - |
| Mineral | R |
| | - |
| Mineral Silicone oil Vegetable | R |
| Mineral Silicone oil | R LR |
| Mineral Silicone oil Vegetable | R LR |
| Mineral Silicone oil Vegetable PLASTICS | R LR LR |
| Mineral Silicone oil Vegetable PLASTICS Foams | R LR LR |
| Mineral Silicone oil Vegetable PLASTICS Foams Foams, containing plasticizer | R LR LR R NR |
| Mineral Silicone oil Vegetable PLASTICS Foams Foams, containing plasticizer Polyamide | R LR LR R NR R |
| Mineral Silicone oil Vegetable PLASTICS Foams Foams, containing plasticizer Polyamide Polyethylene PVC | R LR LR R NR R R |
| Mineral Silicone oil Vegetable PLASTICS Foams Foams, containing plasticizer Polyamide Polyethylene PVC PVC, plasticized | R LR LR R NR R R R NR |
| Mineral Silicone oil Vegetable PLASTICS Foams Foams, containing plasticizer Polyamide Polyethylene PVC PVC, plasticized Rubber | R LR LR R NR R R NR R |
| Mineral Silicone oil Vegetable PLASTICS Foams Foams, containing plasticizer Polyamide Polyethylene PVC PVC, plasticized Rubber Rubber, containing | R LR LR R NR R R R NR |
| Mineral Silicone oil Vegetable PLASTICS Foams Foams, containing plasticizer Polyamide Polyethylene PVC PVC, plasticized Rubber Rubber, containing plasticizer | R LR LR R NR R R NR R |
| Mineral Silicone oil Vegetable PLASTICS Foams Foams, containing plasticizer Polyamide Polyethylene PVC PVC, plasticized Rubber Rubber, containing plasticizer FOODSTUFFS, SPICES | R LR LR R NR R R NR R NR |
| Mineral Silicone oil Vegetable PLASTICS Foams Foams, containing plasticizer Polyamide Polyethylene PVC PVC, plasticized Rubber Rubber, containing plasticizer FOODSTUFFS, SPICES Aniseed, bay, nutmeg | R LR LR R NR R R NR R NR |
| Mineral Silicone oil Vegetable PLASTICS Foams Foams, containing plasticizer Polyamide Polyethylene PVC PVC, plasticized Rubber Rubber, containing plasticizer FOODSTUFFS, SPICES Aniseed, bay, nutmeg Cloves | R LR LR R R R R NR R NR R NR |
| Mineral Silicone oil Vegetable PLASTICS Foams Foams, containing plasticizer Polyamide Polyethylene PVC PVC, plasticized Rubber Rubber, containing plasticizer FOODSTUFFS, SPICES Aniseed, bay, nutmeg Cloves Honey, pure | R LR LR R R R R NR R NR R NR |
| Mineral Silicone oil Vegetable PLASTICS Foams Foams, containing plasticizer Polyamide Polyethylene PVC PVC, plasticized Rubber Rubber, containing plasticizer FOODSTUFFS, SPICES Aniseed, bay, nutmeg Cloves Honey, pure | R LR LR R R R R R NR R NR R NR |
| Mineral Silicone oil Vegetable PLASTICS Foams Foams, containing plasticizer Polyamide Polyethylene PVC PVC, plasticized Rubber Rubber, containing plasticizer FOODSTUFFS, SPICES Aniseed, bay, nutmeg Cloves Honey, pure Ice cream Marinades | R LR LR R NR R NR R NR R NR R R |
| Mineral Silicone oil Vegetable PLASTICS Foams Foams, containing plasticizer Polyamide Polyethylene PVC PVC, plasticized Rubber Rubber, containing plasticizer FOODSTUFFS, SPICES Aniseed, bay, nutmeg Cloves Honey, pure Ice cream Marinades Meat and fish | R LR LR R R R R R NR R NR R NR |
| Mineral Silicone oil Vegetable PLASTICS Foams Foams, containing plasticizer Polyamide Polyethylene PVC PVC, plasticized Rubber Rubber, containing plasticizer FOODSTUFFS, SPICES Aniseed, bay, nutmeg Cloves Honey, pure Ice cream Marinades | R LR LR R NR R NR R NR R NR R R |
| Mineral Silicone oil Vegetable PLASTICS Foams Foams, containing plasticizer Polyamide Polyethylene PVC PVC, plasticized Rubber Rubber, containing plasticizer FOODSTUFFS, SPICES Aniseed, bay, nutmeg Cloves Honey, pure Ice cream Marinades Meat and fish | R LR LR R NR R R NR R NR R NR R NR R |
| Mineral Silicone oil Vegetable PLASTICS Foams Foams, containing plasticizer Polyamide Polyethylene PVC PVC, plasticized Rubber Rubber, containing plasticizer FOODSTUFFS, SPICES Aniseed, bay, nutmeg Cloves Honey, pure Ice cream Marinades Meat and fish Pepper, cinnamon, onions | R LR LR R NR R R NR R NR R NR R NR R R NR |
| Mineral Silicone oil Vegetable PLASTICS Foams Foams, containing plasticizer Polyamide Polyethylene PVC PVC, plasticized Rubber Rubber, containing plasticizer FOODSTUFFS, SPICES Aniseed, bay, nutmeg Cloves Honey, pure Ice cream Marinades Meat and fish Pepper, cinnamon, onions Salt | R LR LR R NR R R NR R NR R NR R NR R R NR |
| Mineral Silicone oil Vegetable PLASTICS Foams Foams, containing plasticizer Polyamide Polyethylene PVC PVC, plasticized Rubber Rubber, containing plasticizer FOODSTUFFS, SPICES Aniseed, bay, nutmeg Cloves Honey, pure Ice cream Marinades Meat and fish Pepper, cinnamon, onions Salt GASES AND VAPORS Ammonia | R LR LR R R R R R R R R R R R R R R R R |
| Mineral Silicone oil Vegetable PLASTICS Foams Foams, containing plasticizer Polyamide Polyethylene PVC PVC, plasticized Rubber Rubber, containing plasticizer FOODSTUFFS, SPICES Aniseed, bay, nutmeg Cloves Honey, pure Ice cream Marinades Meat and fish Pepper, cinnamon, onions Salt GASES AND VAPORS Ammonia Bromine vapor (dry) | R LR LR R R R R R R R R R R R R R R R R |
| Mineral Silicone oil Vegetable PLASTICS Foams Foams, containing plasticizer Polyamide Polyethylene PVC PVC, plasticized Rubber Rubber, containing plasticizer FOODSTUFFS, SPICES Aniseed, bay, nutmeg Cloves Honey, pure Ice cream Marinades Meat and fish Pepper, cinnamon, onions Salt GASES AND VAPORS Ammonia Bromine vapor (dry) Carbon dioxide | R LR LR R R R R R R R R R R R R R R R R |
| Mineral Silicone oil Vegetable PLASTICS Foams Foams, containing plasticizer Polyamide Polyethylene PVC PVC, plasticized Rubber Rubber, containing plasticizer FOODSTUFFS, SPICES Aniseed, bay, nutmeg Cloves Honey, pure Ice cream Marinades Meat and fish Pepper, cinnamon, onions Salt GASES AND VAPORS Ammonia Bromine vapor (dry) Carbon dioxide Carbon monoxide | R LR LR R R R R R R R R R R R R R R R R |
| Mineral Silicone oil Vegetable PLASTICS Foams Foams, containing plasticizer Polyamide Polyethylene PVC PVC, plasticized Rubber Rubber, containing plasticizer FOODSTUFFS, SPICES Aniseed, bay, nutmeg Cloves Honey, pure Ice cream Marinades Meat and fish Pepper, cinnamon, onions Salt GASES AND VAPORS Ammonia Bromine vapor (dry) Carbon dioxide Chloride vapor (dry) | R LR LR R R R R R R R R R R R R R R R R |
| Mineral Silicone oil Vegetable PLASTICS Foams Foams, containing plasticizer Polyamide Polyethylene PVC PVC, plasticized Rubber Rubber, containing plasticizer FOODSTUFFS, SPICES Aniseed, bay, nutmeg Cloves Honey, pure Ice cream Marinades Meat and fish Pepper, cinnamon, onions Salt GASES AND VAPORS Ammonia Bromine vapor (dry) Carbon dioxide Chloride vapor (dry) Exhaust gases, containing HCI | R LR LR R R R R R R R R R R R R R R R R |
| Mineral Silicone oil Vegetable PLASTICS Foams Foams, containing plasticizer Polyamide Polyethylene PVC PVC, plasticized Rubber Rubber, containing plasticizer FOODSTUFFS, SPICES Aniseed, bay, nutmeg Cloves Honey, pure Ice cream Marinades Meat and fish Pepper, cinnamon, onions Salt GASES AND VAPORS Ammonia Bromine vapor (dry) Carbon dioxide Carbon monoxide Chloride vapor (dry) Exhaust gases, containing HCI Exhaust gases, containing HF | R LR LR R R R R R R R R R R R R R R R R |
| Mineral Silicone oil Vegetable PLASTICS Foams Foams, containing plasticizer Polyamide Polyethylene PVC PVC, plasticized Rubber Rubber, containing plasticizer FOODSTUFFS, SPICES Aniseed, bay, nutmeg Cloves Honey, pure Ice cream Marinades Meat and fish Pepper, cinnamon, onions Salt GASES AND VAPORS Ammonia Bromine vapor (dry) Carbon dioxide Carbon monoxide Chloride vapor (dry) Exhaust gases, containing HFI Exhaust gases, containing | R LR LR R R R R R R R R R R R R R R R R |
| Mineral Silicone oil Vegetable PLASTICS Foams Foams, containing plasticizer Polyamide Polyethylene PVC PVC, plasticized Rubber Rubber, containing plasticizer FOODSTUFFS, SPICES Aniseed, bay, nutmeg Cloves Honey, pure Ice cream Marinades Meat and fish Pepper, cinnamon, onions Salt GASES AND VAPORS Ammonia Bromine vapor (dry) Carbon dioxide Carbon monoxide Chloride vapor (dry) Exhaust gases, containing HCI Exhaust gases, containing Sulfuric acid | |
| Mineral Silicone oil Vegetable PLASTICS Foams Foams, containing plasticizer Polyamide Polyethylene PVC PVC, plasticized Rubber Rubber, containing plasticizer FOODSTUFFS, SPICES Aniseed, bay, nutmeg Cloves Honey, pure Ice cream Marinades Meat and fish Pepper, cinnamon, onions Salt GASES AND VAPORS Ammonia Bromine vapor (dry) Carbon dioxide Carbon monoxide Chloride vapor (dry) Exhaust gases, containing HCI Exhaust gases, containing Sulfuric acid Hydrogen sulphide | |
| Mineral Silicone oil Vegetable PLASTICS Foams Foams, containing plasticizer Polyamide Polyethylene PVC PVC, plasticized Rubber Rubber, containing plasticizer FOODSTUFFS, SPICES Aniseed, bay, nutmeg Cloves Honey, pure Ice cream Marinades Meat and fish Pepper, cinnamon, onions Salt GASES AND VAPORS Ammonia Bromine vapor (dry) Carbon dioxide Carbon monoxide Chloride vapor (dry) Exhaust gases, containing HCI Exhaust gases, containing Sulfuric acid | |

| Nitrogen peroxide | R |
|---|---------|
| Oxygen | R |
| Ozone | R |
| Sulphur dioxide (dry) | R |
| Natural Gas (Butane) | R |
| FREON TG* | |
| trichlorotrifluoroethane | NR |
| FREON TF* | _ |
| trichlorotrifluoroethane | R |
| BEVERAGES, etc. | |
| Beer, wine | R |
| Camomile extract | R |
| Chocolate | R |
| Fruit juice, milk, coffee | R |
| Spirits, to 30% | R |
| Vinegar | R |
| Water, mineral waters | R |
| | |
| Glycerol | R |
| Hair setting lotion Nail varnish | NR |
| | NR |
| Nail varnish remover | |
| Ointments | R |
| Peat water | R |
| Sea water | R |
| Soaps | R |
| Sprays | LR |
| CLEANING AGENTS | |
| Acids, see under chemicals | |
| Alcohol, absolute | NR |
| Alcohol, to 30% | R |
| Alkalis, see under chemicals | |
| Ammonia | R |
| Aqueous hypochlorite | 0 |
| solution | R |
| Carbon tetrachloride | NR |
| Methylated spirits | NR |
| Paraffin | LR |
| Perchloroethylene | NR |
| Petrol, pure | R |
| Petrol mixture, containing | |
| benzene | NR |
| Petroleum ether | R |
| Soap solution | R |
| Soda solution | R |
| Solvent stain removers | NR |
| Trichloroethylene | NR |
| , | |
| Turpentine | LR |
| Turpentine substitute | LR |
| PEST CONTROL AGENTS | |
| Aqueous solutions of | LR |
| | |
| pesticides Stable aprovince | Г |
| Stable spray-new | R |
| Stable spray-new Sprays (for direct spraying) | R LR |
| Stable spray-new Sprays (for direct spraying) PROTECTIVE (strippable) | _ |
| Stable spray-new Sprays (for direct spraying) PROTECTIVE (strippable) COATINGS | _ |
| Stable spray-new Sprays (for direct spraying) PROTECTIVE (strippable) COATINGS Sign Strip®** strippable | _ |
| Stable spray-new Sprays (for direct spraying) PROTECTIVE (strippable) COATINGS Sign Strip®** strippable masking | LR |
| Stable spray-new Sprays (for direct spraying) PROTECTIVE (strippable) COATINGS Sign Strip®** strippable masking MISCELLANEOUS | LR |
| Stable spray-new Sprays (for direct spraying) PROTECTIVE (strippable) COATINGS Sign Strip®** strippable masking | LR |

^{*} Trademark of E.I. duPont deNemours & Company, Inc.





^{**} Trademark of Spraylat Corp., Mt. Vernon, NY

Terms and Conditions of Sale

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- and (ii) Buyer has no past due amounts.

 Interest. Omron, at its option, may charge Buyer 1-1/2% interest per month or the maximum legal rate, whichever is less, on any balance not paid within the
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- Cancellation: Etc. Orders are not subject to rescheduling or cancellation unless Buyer indemnifies Omron against all related costs or expenses.

 10. Force Majeure. Omron shall not be liable for any delay or failure in delivery
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 - constitute delivery to Buyer; c. All sales and shipments of Products shall be FOB shipping point (unless oth-
- c. All sales and shipments of Products shall be FOB shipping point (unless otherwise stated in writing by Omron), at which point title and risk of loss shall pass from Omron to Buyer; provided that Omron shall retain a security interest in the Products until the full purchase price is paid;
 d. Delivery and shipping dates are estimates only; and
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 12. Claims. Any claim by Buyer against Omron for shortage or damage to the Products occurring before delivery to the carrier must be presented in writing to Omron within 30 days of receipt of shipment and include the original transportation bill signed by the carrier noting that the carrier received the Products. portation bill signed by the carrier noting that the carrier received the Products from Omron in the condition claimed.
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