

Hot Dip Galvanized Products

Introduction to Hot Dip Galvanized Products

Hot Dip Galvanized Finish:

Hot dip galvanizing is a form of galvanization. It is the technology of coating by passing the product through a molten bath of zinc at high temperature. The process of hot dip galvanizing results in a metallurgical bond between zinc and steel with a series of distinct iron zinc alloys. The hot dip zinc coating produces a much thicker, durable coating which prevents corrosion of the protected product by forming a physical barrier and by acting as a sacrificial anode if this barrier is damaged.

Application Process:

The product is skimmed (to remove surface oils), run through an acid wash, water washed, run through a dip fluxing solvent (to enhance the coating adhesion), dry pre-heated (typically 120°C to 180°C), hot dip galvanized (typically 450°C to 480°C), water cooled and then passivated.

Applications:

- To provide corrosion protection against road salt and other harsh environmental factors
- To meet Department of Transportation, mass transit or other project specifications
- For infrastructure projects, including bridges, subways, railways and other modes of transportation; many U.S. roads, bridges and tollways are decades old and in need of repair; many of these rework/rebuild projects require hot dip galvanized products
- For governmental use (many government projects, federal and/or state, require the use of hot dip galvanized products)

Certifications and Compliances:

- Conforms to finish thickness per ASTM A123/A123M
- UL Standard 514B
- NEMA FB1

FORM 5 CONDUIT OUTLET BODIES, COVERS & GASKETS

Applications:

Form 5 Malleable Iron Conduit Bodies are used in conduit systems to:

- Act as pull outlets for conductors being installed
- Provide openings for making splices and taps in conductors
- Act as mounting outlets for lighting fixtures and wiring devices
- Connect conduit sections
- Provide taps for branch conduit runs
- Make 90 degree bends in conduit runs
- Provide for access to conductors for maintenance and future system changes

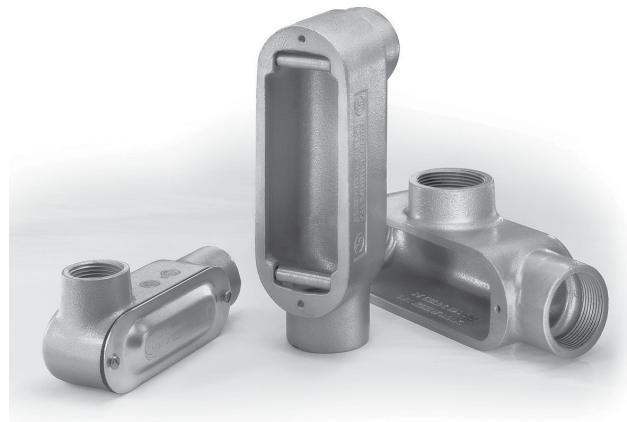
Features:

- Interchangeable with Appleton Form 35 Conduit Bodies
- Built-in rollers on 1 1/4" to 4" C and LB bodies to facilitate wire pulling
- Smooth and rounded integral bushings for protection of wire insulation
- Solid neoprene gaskets may be converted to open type by pulling out perforated center section
- Stainless steel cover screws
- Domed sheet steel covers provide additional cubic capacity
- Integral gasket cover provides NEMA 4 rating

Certifications and Compliances:

- UL File No. E-15022
- UL Standard 514B
- cUL to CSA Standard C22.2 No. 18

Form 35 is a registered trademark of Appleton Electric/EGS.



Standard Materials:

- Bodies – malleable iron
- Gaskets – neoprene
- Covers – sheet steel or malleable
- Cover screws – stainless steel

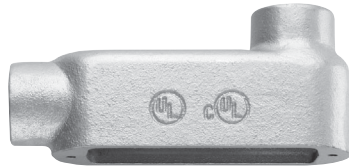
Standard Finishes:

- Malleable iron – hot dip galvanized
- Neoprene – natural
- Sheet steel – electrogalvanized
- Stainless steel – natural

Hot Dip Galvanized Products

Form 5

TYPE LB



| Cat. # | Size | Internal Vol. in Cu. In. | Unit Qty. | Wt. Lbs. Per 100 | Max. No. of Conductors |
|-------------|--------|--------------------------|-----------|------------------|------------------------|
| LB50M HDG | 1/2" | 4.5 | 10 | 71 | N/A |
| LB75M HDG | 3/4" | 7.5 | 10 | 97 | 3 #6 AWG |
| LB100M HDG | 1" | 12.5 | 10 | 143 | 3 #4 XHHW |
| LB125M HDG* | 1 1/4" | 32.0 | 5 | 287 | 3 #2 XHHW |
| LB150M HDG* | 1 1/2" | 35.3 | 5 | 331 | 3 #1/0 XHHW |
| LB200M HDG* | 2" | 73.0 | 1 | 534 | 3 #4/0 XHHW |
| LB250M HDG* | 2 1/2" | 142.0 | 1 | 1105 | 3 #300MCM XHHW |
| LB300M HDG* | 3" | 173.0 | 1 | 1160 | 3 #400MCM XHHW |
| LB350M HDG* | 3 1/2" | 292.0 | 1 | 1989 | 3 #500MCM XHHW |
| LB400M HDG* | 4" | 324.0 | 1 | 2099 | 3 #500MCM XHHW |

*1 1/4" - 4" LB and C bodies supplied with built-in rollers to facilitate wire pulling.

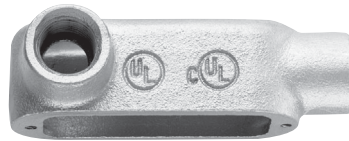
TYPE C



| Cat. # | Size | Internal Vol. in Cu. In. | Unit Qty. | Wt. Lbs. Per 100 | Max. No. of Conductors |
|------------|--------|--------------------------|-----------|------------------|------------------------|
| C50M HDG | 1/2" | 4.5 | 10 | 98 | N/A |
| C75M HDG | 3/4" | 7.5 | 10 | 118 | 3 #6 AWG |
| C100M HDG | 1" | 12.5 | 10 | 170 | 3 #4 XHHW |
| C125M HDG* | 1 1/4" | 35.0 | 5 | 309 | 3 #2 XHHW |
| C150M HDG* | 1 1/2" | 35.3 | 5 | 368 | 3 #1/0 XHHW |
| C200M HDG* | 2" | 75.0 | 1 | 552 | 3 #4/0 XHHW |
| C250M HDG* | 2 1/2" | 153.0 | 1 | 1216 | 3 #300MCM XHHW |
| C300M HDG* | 3" | 181.0 | 1 | 1437 | 3 #300MCM XHHW |
| C350M HDG* | 3 1/2" | 290.0 | 1 | 2210 | 3 #350MCM XHHW |
| C400M HDG* | 4" | 320.0 | 1 | 2321 | 3 #350MCM XHHW |

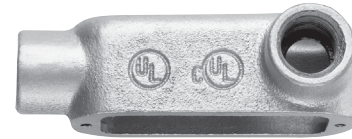
*1 1/4" - 4" LB and C bodies supplied with built-in rollers to facilitate wire pulling.

TYPE LL



| Cat. # | Size | Internal Vol. in Cu. In. | Unit Qty. | Wt. Lbs. Per 100 | Max. No. of Conductors |
|------------|--------|--------------------------|-----------|------------------|------------------------|
| LL50M HDG | 1/2" | 4.5 | 10 | 76 | N/A |
| LL75M HDG | 3/4" | 7.5 | 10 | 95 | 3 #6 AWG |
| LL100M HDG | 1" | 12.5 | 10 | 138 | 3 #4 XHHW |
| LL125M HDG | 1 1/4" | 32.0 | 5 | 309 | 3 #2 XHHW |
| LL150M HDG | 1 1/2" | 33.0 | 5 | 332 | 3 #2 XHHW |
| LL200M HDG | 2" | 68.0 | 1 | 497 | 3 #4/0 XHHW |
| LL250M HDG | 2 1/2" | 142.0 | 1 | 1105 | 3 #300MCM XHHW |
| LL300M HDG | 3" | 173.0 | 1 | 1437 | 3 #350MCM XHHW |
| LL350M HDG | 3 1/2" | 292.0 | 1 | 2321 | 3 #350MCM XHHW |
| LL400M HDG | 4" | 324.0 | 1 | 2431 | 3 #350MCM XHHW |

TYPE LR



| Cat. # | Size | Internal Vol. in Cu. In. | Unit Qty. | Wt. Lbs. Per 100 | Max. No. of Conductors |
|------------|--------|--------------------------|-----------|------------------|------------------------|
| LR50M HDG | 1/2" | 4.5 | 10 | 71 | N/A |
| LR75M HDG | 3/4" | 7.5 | 10 | 100 | 3 #6 AWG |
| LR100M HDG | 1" | 12.5 | 10 | 157 | 3 #4 XHHW |
| LR125M HDG | 1 1/4" | 32.0 | 5 | 332 | 3 #2 XHHW |
| LR150M HDG | 1 1/2" | 35.3 | 5 | 345 | 3 #2 XHHW |
| LR200M HDG | 2" | 68.0 | 1 | 626 | 3 #4/0 XHHW |
| LR250M HDG | 2 1/2" | 142.0 | 1 | 1105 | 3 #300MCM XHHW |
| LR300M HDG | 3" | 173.0 | 1 | 1437 | 3 #350MCM XHHW |
| LR350M HDG | 3 1/2" | 292.0 | 1 | 2321 | 3 #350MCM XHHW |
| LR400M HDG | 4" | 324.0 | 1 | 2500 | 3 #350MCM XHHW |

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TYPE T

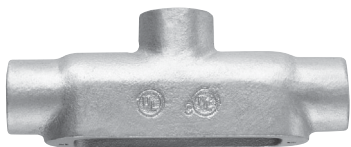


| Cat. # | Size | Internal Vol. in Cu. In. | Unit Qty. | Wt. Lbs. Per 100 | Max. No. of Conductors |
|-----------|--------|--------------------------|-----------|------------------|------------------------|
| T50M HDG | 1/2" | 6.0 | 10 | 111 | N/A |
| T75M HDG | 3/4" | 9.5 | 10 | 137 | 3 #6 AWG |
| T100M HDG | 1" | 15.0 | 10 | 196 | 3 #4 XHHW |
| T125M HDG | 1 1/4" | 33.0 | 5 | 332 | 3 #2 XHHW |
| T150M HDG | 1 1/2" | 36.0 | 5 | 368 | 3 #1 XHHW |
| T200M HDG | 2" | 76.0 | 1 | 663 | 3 #2/0 XHHW |
| T250M HDG | 2 1/2" | 142.0 | 1 | 1271 | 3 #300MCM XHHW |
| T300M HDG | 3" | 173.0 | 1 | 1547 | 3 #300MCM XHHW |
| T350M HDG | 3 1/2" | 292.0 | 1 | 2542 | 3 #350MCM XHHW |
| T400M HDG | 4" | 324.0 | 1 | 2542 | 3 #350MCM XHHW |

Hot Dip Galvanized Products

Form 5

TYPE TB



| Cat. # | Size | Internal Vol. in Cu. In. | Unit Qty. | Wt. Lbs. Per 100 | Max. No. of Conductors |
|-------------------|--------|--------------------------|-----------|------------------|------------------------|
| TB50M HDG | 1/2" | 6.0 | 10 | 88 | N/A |
| TB75M HDG | 3/4" | 9.5 | 10 | 120 | 3 #6 AWG |
| TB100M HDG | 1" | 15.0 | 10 | 197 | 3 #6 AWG |
| TB125M HDG | 1 1/4" | 33.0 | 5 | 342 | 3 #6 AWG |
| TB150M HDG | 1 1/2" | 36.0 | 5 | 420 | 3 #4 XHHW |
| TB200M HDG | 2" | 76.0 | 1 | 691 | 3 #1/0 XHHW |

TYPE X



| Cat. # | Size | Internal Vol. in Cu. In. | Unit Qty. | Wt. Lbs. Per 100 | Max. No. of Conductors |
|------------------|--------|--------------------------|-----------|------------------|------------------------|
| X50M HDG | 1/2" | 6.0 | 10 | 139 | N/A |
| X75M HDG | 3/4" | 9.5 | 10 | 172 | 3 #6 AWG |
| X100M HDG | 1" | 15.0 | 10 | 247 | 3 #4 XHHW |
| X125M HDG | 1 1/4" | 33.0 | 5 | 416 | 3 #2 XHHW |
| X150M HDG | 1 1/2" | 36.0 | 5 | 463 | 3 #1/0 XHHW |
| X200M HDG | 2" | 76.0 | 1 | 833 | 3 #2/0 XHHW |

SHEET STEEL COVERS



| Cat. # | Size | Unit Qty. | Wt. Lbs. Per 100 |
|--------------|-------------------|-----------|------------------|
| K50S | 1/2" | 50 | 9 |
| K75S | 3/4" | 50 | 13 |
| K100S | 1" | 25 | 19 |
| K125S | 1 1/4" and 1 1/2" | 20 | 31 |
| K200S | 2" | 5 | 50 |
| K250S | 2 1/2" and 3" | 5 | 94 |
| K350S | 3 1/2" and 4" | 5 | 138 |

CAST IRON COVERS



| Cat. # | Size | Unit Qty. | Wt. Lbs. Per 100 |
|-------------------|-------------------|-----------|------------------|
| K50CM HDG | 1/2" | 50 | 23 |
| K75CM HDG | 3/4" | 50 | 31 |
| K100CM HDG | 1" | 25 | 41 |
| K125CM HDG | 1 1/4" and 1 1/2" | 20 | 91 |
| K200CM HDG | 2" | 5 | 208 |
| K250CM HDG | 2 1/2" and 3" | 5 | 358 |
| K350CM HDG | 3 1/2" and 4" | 5 | 550 |

NEOPRENE GASKETS – PERFORATED CENTER



| Cat. # | Size | Unit Qty. | Wt. Lbs. Per 100 |
|---------------|-------------------|-----------|------------------|
| GK50N | 1/2" | 100 | 2.0 |
| GK75N | 3/4" | 100 | 2.0 |
| GK100N | 1" | 50 | 2.9 |
| GK125N | 1 1/4" and 1 1/2" | 25 | 5.0 |
| GK200N | 2" | 25 | 8.0 |
| GK250N | 2 1/2" and 3" | 25 | 16.0 |
| GK350N | 3 1/2" and 4" | 25 | 26.4 |

INTEGRAL GASKET COVER – SHEET STEEL



| Cat. # | Size | Unit Qty. | Wt. Lbs. Per 100 |
|---------------|-------------------|-----------|------------------|
| K50SG | 1/2" | 50 | 14 |
| K75SG | 3/4" | 50 | 16 |
| K100SG | 1" | 25 | 46 |
| K125SG | 1 1/4" and 1 1/2" | 20 | 62 |
| K200SG | 2" | 5 | 70 |
| K250SG | 2 1/2" and 3" | 5 | 190 |
| K350SG | 3 1/2" and 4" | 5 | 340 |

Hot Dip Galvanized

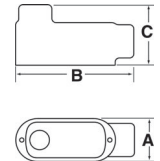
Hot Dip Galvanized Products

Form 5

Dimensions (in Inches):

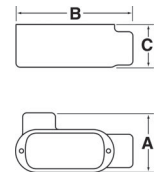
Type LB

| Size | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | 3 1/2 | 4 |
|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|
| A | 1.34 | 1.50 | 1.80 | 2.60 | 2.60 | 3.12 | 4.31 | 4.31 | 5.62 | 5.62 |
| B | 4.68 | 5.37 | 6.20 | 8.12 | 8.12 | 10.50 | 13.60 | 13.87 | 16.25 | 16.60 |
| C | 2.05 | 2.25 | 2.65 | 2.75 | 2.83 | 4.42 | 5.40 | 5.90 | 6.90 | 7.21 |



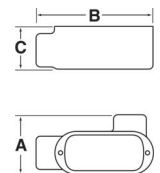
Type LL

| Size | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | 3 1/2 | 4 |
|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|
| A | 2.05 | 2.25 | 2.65 | 2.75 | 3.50 | 4.12 | 5.71 | 5.87 | 7.13 | 7.13 |
| B | 4.68 | 5.37 | 6.20 | 8.12 | 8.12 | 10.50 | 13.60 | 13.87 | 16.50 | 16.50 |
| C | 1.37 | 1.70 | 1.90 | 2.75 | 2.83 | 3.31 | 3.90 | 4.75 | 6.81 | 7.19 |



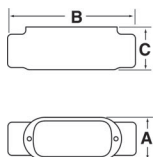
Type LR

| Size | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | 3 1/2 | 4 |
|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|
| A | 2.05 | 2.25 | 2.65 | 2.75 | 3.50 | 4.12 | 5.71 | 5.87 | 6.10 | 6.95 |
| B | 4.68 | 5.37 | 6.20 | 8.12 | 8.12 | 10.50 | 13.60 | 13.87 | 6.25 | 16.25 |
| C | 1.37 | 1.70 | 1.90 | 2.75 | 2.83 | 3.31 | 3.90 | 4.75 | 5.62 | 5.62 |



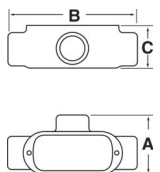
Type C

| Size | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | 3 1/2 | 4 |
|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|
| A | 1.34 | 1.50 | 1.80 | 2.60 | 2.60 | 3.12 | 4.31 | 4.31 | 4.88 | 4.88 |
| B | 5.38 | 6.00 | 7.05 | 9.00 | 9.00 | 11.50 | 15.00 | 15.12 | 18.13 | 18.13 |
| C | 1.37 | 1.70 | 1.90 | 2.75 | 2.83 | 3.31 | 3.90 | 4.75 | 5.19 | 5.56 |



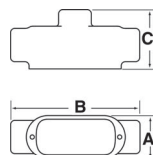
Type T

| Size | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | 3 1/2 | 4 |
|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|
| A | 2.05 | 2.25 | 2.65 | 2.75 | 3.50 | 4.12 | 5.71 | 5.87 | 6.81 | 7.15 |
| B | 5.38 | 6.00 | 7.05 | 9.00 | 9.00 | 11.50 | 15.00 | 15.12 | 18.13 | 18.13 |
| C | 1.34 | 1.50 | 1.80 | 2.60 | 2.60 | 3.12 | 4.31 | 4.31 | 5.19 | 5.56 |



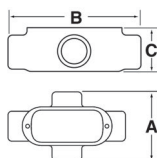
Type TB

| Size | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 |
|------|------|------|------|-------|-------|-------|
| A | 1.34 | 1.50 | 1.80 | 2.60 | 2.60 | 3.12 |
| B | 5.38 | 6.00 | 7.05 | 9.00 | 9.00 | 11.50 |
| C | 2.05 | 2.25 | 2.65 | 2.75 | 2.83 | 4.42 |



Type X

| Size | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 |
|------|------|------|------|-------|-------|-------|
| A | 2.79 | 2.93 | 3.56 | 4.43 | 4.43 | 5.40 |
| B | 5.41 | 6.08 | 7.10 | 9.10 | 9.10 | 11.75 |
| C | 1.75 | 1.97 | 2.25 | 2.55 | 2.75 | 3.45 |



Hot Dip Galvanized