ROSE+BOPLA
ENCLOSURES
A PHOENIX MECANO COMPANY

Fiberglass Watertight 02
Product Drawings
Last Updated 3/27/2008

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Dimensional Drawings

Notes

Rose+Bopla's fiberglass watertight enclosures are the enclosures to use when harsh environments are a problem. These enclosures are made of compression molded fiberglass, the

Fiberglass Watertight 02

best method for producing a strong, rugged enclosure which will withstand all conditions: weather, liquids, chemicals and harsh manufacturing environments. Rose+Bopla's fiberglass enclosures stand up to adverse weather conditions and most industrial chemicals with no deterioration over many years. They will also withstand the effects of ultra-violet rays.

Our Fiberglass Watertight 02 enclosure consists of a compression molded lid and base, captive stainless steel lid screws, molded-in mounting inserts in base, and a foamed-in polyurethane gasket. Silicone and RFI gaskets are available as an option.

These Fiberglass Watertight 02 enclosures can be used for water pollution control devices, paper processing controls and ship and harbor beacon signal controls.

Fiberglass Watertight 02 Enclosures

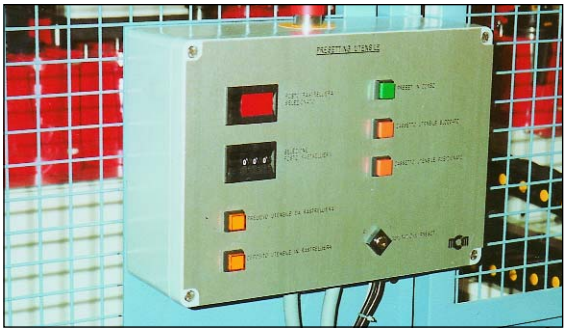
Part Number	Length (Inches/mm)	Width (Inches/mm)	Height (Inches/mm)	Weight	Drawing Page #
02060603 00	2.17 / 55	2.17 / 55	1.46 / 37	.22 lbs	17-34
02060606 00	2.17 / 55	2.17 / 55	2.32 / 59	.28 lbs	17-34
02080806 00	3.15 / 80	2.95 / 75	2.20 / 56	.50 lbs	17-35
02080808 00	3.15 / 80	2.95 / 75	2.95 / 75	.66 lbs	17-35
02081106 00	4.33 / 110	2.95 / 75	2.20 / 56	.58 lbs	17-36
02081108 00	4.33 / 110	2.95 / 75	2.95 / 75	.79 lbs	17-36
02081606 00	6.30 / 160	2.95 / 75	2.20 / 56	.89 lbs	17-37
02081608 00	6.30 / 160	2.95 / 75	2.95 / 75	1.01 lbs	17-37
02081906 00	7.48 / 190	2.95 / 75	2.20 / 56	.93 lbs	17-38
02081908 00	7.48 / 190	2.95 / 75	2.95 / 75	1.16 lbs	17-38
02082306 00	9.06 / 230	2.95 / 75	2.20 / 56	1.30 lbs	17-39
02082308 00	9.06 / 230	2.95 / 75	2.95 / 75	1.47 lbs	17-39
02103208 00	12.60 / 320	3.94 / 100	3.19 / 81	2.87 lbs	17-40
02121209 00	4.80 / 122	4.72 / 120	3.58 / 91	1.65 lbs	17-40
02122209 00	8.66 / 220	4.72 / 120	3.58 / 91	2.33 lbs	17-41
02161609 00	6.30 / 160	6.30 / 160	3.58 / 91	2.59 lbs	17-41
02162609 00	10.24 / 260	6.30 / 160	3.58 / 91	3.76 lbs	17-42
02163609 00	14.17 / 360	6.30 / 160	3.58 / 91	4.73 lbs	17-42
02165609 00	22.05 / 560	6.30 / 160	3.58 / 91	7.02 lbs	17-43
02252612 00	10.04 / 255	9.84 / 250	4.76 / 121	5.84 lbs	17-43
02252616 00	10.04 / 255	9.84 / 250	6.34 / 161	7.22 lbs	17-44
02254012 00	15.75 / 400	9.84 / 250	4.76 / 121	8.04 lbs	17-44
02254016 00	15.75 / 400	9.84 / 250	6.34 / 161	10.58 lbs	17-45
02256012 00	23.62 / 600	9.84 / 250	4.76 / 121	11.53 lbs	17-45
02363609 00	14.17 / 360	14.17 / 360	3.58 / 91	8.09 lbs	17-46
02414012 00	15.75 / 400	15.94 / 405	4.76 / 121	12.30 lbs	17-46

Note: Dimensions are external. Metric is the primary dimension. Inch conversions and weights are for the user's convenience and are for reference only. Accessories shown on drawing pages.



TECHNICAL DATA:

- Color: Gray is standard similar to RAL 7000.
- Material: Fiberglass reinforced Polyester plastic.
- Impact Resistance: >7Nm, EN50014.
- Flammability: Self-extinguishing, UL 94 V0.
- Gasket Temperature Range:
  Polyurethane Foam Gasket –40°F to +194°F
  Silicone Foam Gasket –76°F to +266°F
  Neoprene Gasket –40°F to +212°F
  RFI Gasket –40°F to +392°F
- Captive Stainless Steel Lid Screws.
- Surface Resistance: $>10^{12}$ Ohm to DIN 53482.
- Disruptive Strength: 18KV / mm to DIN 53482.
- Toxicity: Halogen Free.
- Protection Classifications:
  NEMA Types: up to Nema 4, 4X
  IP 66, EN 60529
- Approvals:
  UL Listed File #E206630, UL 50, UL 508
  CSA Approved
  Det Norske Veritas File #828.11/FERe
  Maritime Register of Shipping #83033.250



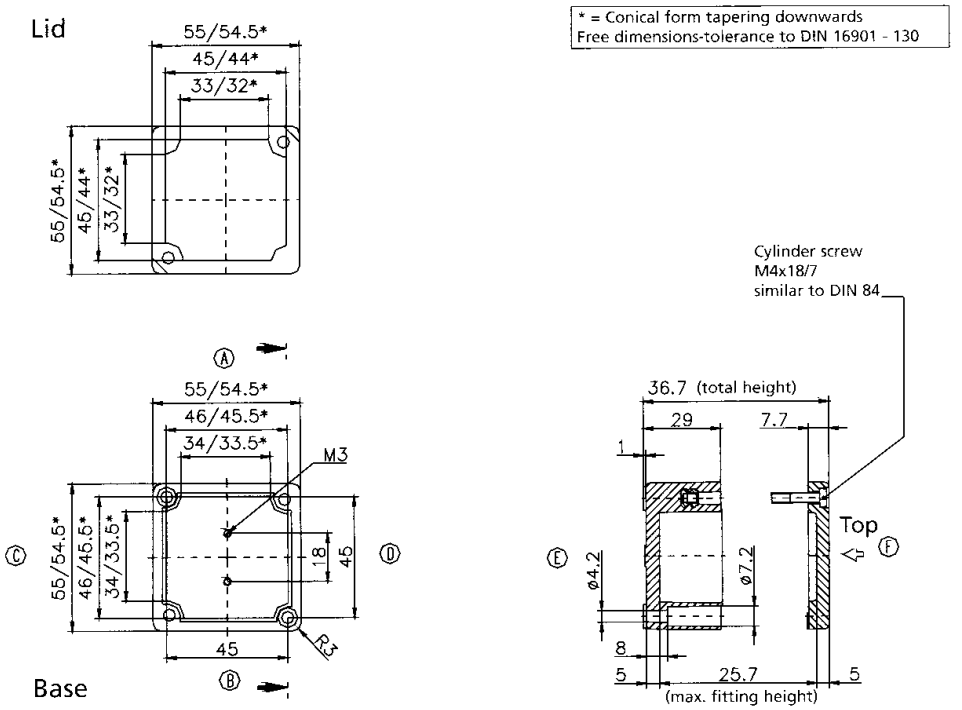
02060603 00 — External Dimensions: L 55 x W 55 x H 37 mm — Page 1-9

Standard Features

- **10093131 00** M4x18 Stainless steel captive combo head lid screws.
- Non-Removable foamed-in polyurethane gasket.

Accessories

- **10093041 00** Mounting Plate screws.
- **10091001 00** Allen head lid screws.



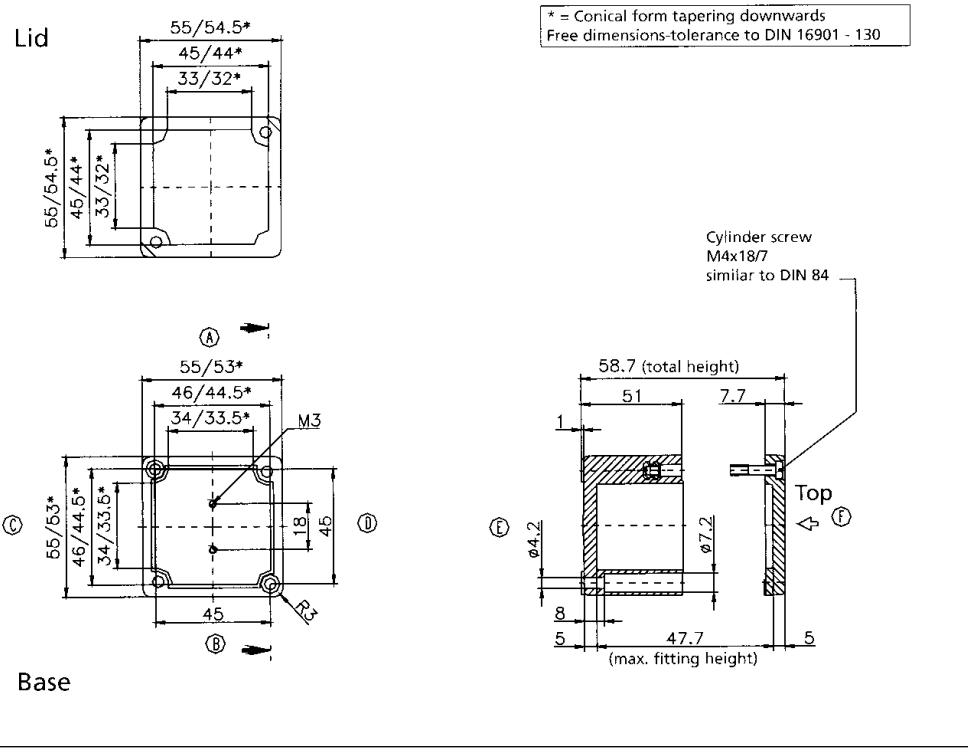
02060606 00 — External Dimensions: L 55 x W 55 x H 59 mm — Page 1-9

Standard Features

- **10093131 00** M4x18 Stainless steel captive combo head lid screws.
- Non-Removable foamed-in polyurethane gasket.

Accessories

- **10093041 00** Mounting Plate screws.
- **10091001 00** Allen head lid screws.



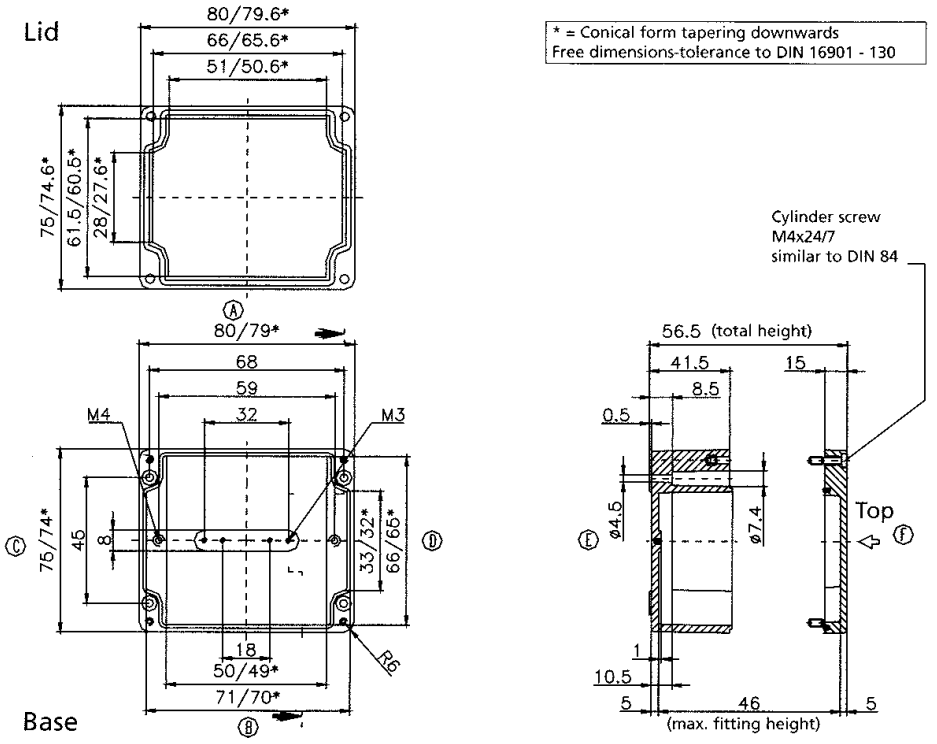
02080806 00 — External Dimensions: L 80 x W 75 x H 56 mm — Page 1-9

Standard Features

- **10093132 00** M4x24 Stainless steel captive combo head lid screws.
- Non-Removable foamed-in Polyurethane gasket.

Accessories

- **10093041 00** Mounting Plate screws.
- **10093092 00** Allen head lid screws.
- **10052033 00** External Brackets.
- **10061101 00** Terminal rail (TS 15).
- **10089031 00** Mounting Plate.
- **10082014 00** 4mm Silicon Gasket.
- **10082023 00** RFI 3.5mm Gasket (10.6" length).



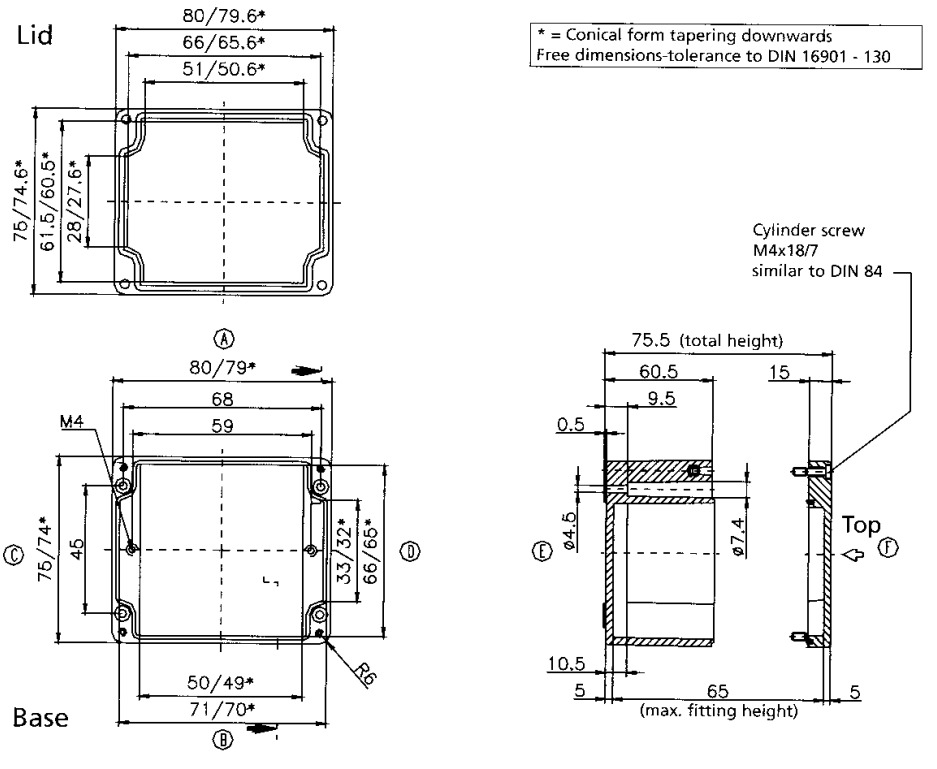
02080808 00 — External Dimensions: L 80 x W 75 x H 75 mm — Page 1-9

Standard Features

- **10093131 00** M4x18 Stainless steel captive combo head lid screws.
- Non-Removable foamed-in Polyurethane gasket.

Accessories

- **10093041 00** Mounting Plate screws.
- **10093092 00** Allen head lid screws.
- **10052033 00** External Brackets.
- **10061101 00** Terminal rail (TS 15).
- **10089031 00** Mounting Plate.
- **10082014 00** 4mm Silicone gasket.
- **10082023 00** 3.5mm RFI Gasket (13.3" length).



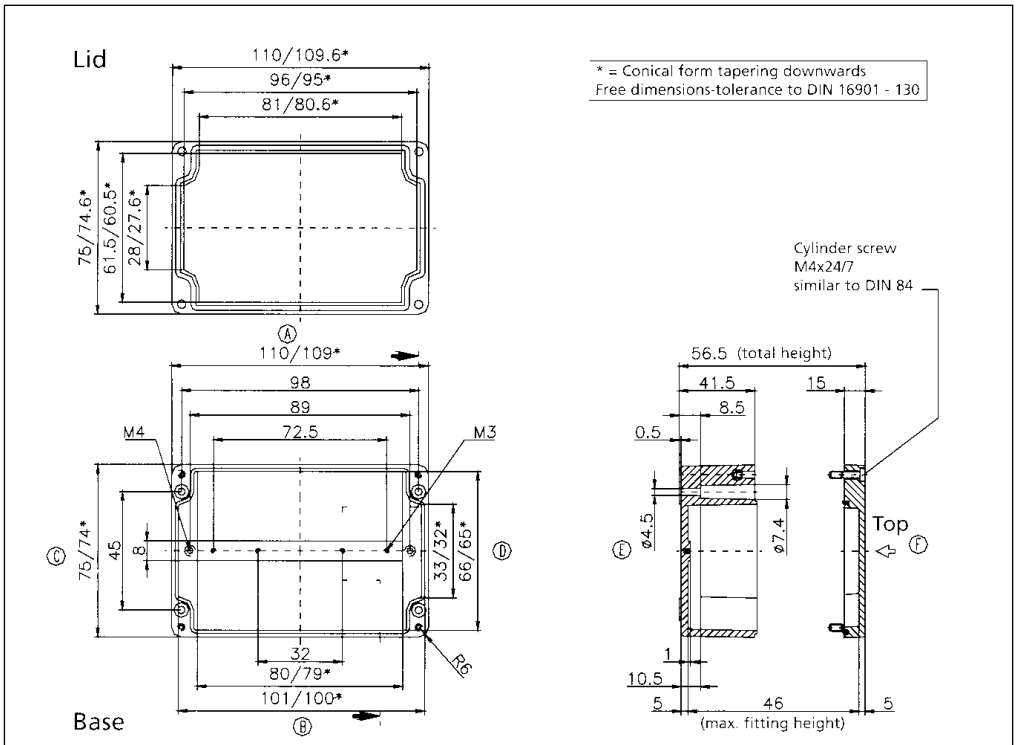
02081106 00 — External Dimensions: L 110 x W 75 x H 56 mm — Page 1-9

Standard Features

- **10093133 00** M4x24 Stainless steel captive combo head lid screws.
- Non-Removable foamed-in Polyurethane gasket.

Accessories

- **10093041 00** Mounting Plate screws.
- **10093092 00** Allen head lid screws.
- **10052033 00** External Brackets.
- **10061102 00** Terminal rail (TS 15).
- **10089033 00** Mounting Plate.
- **10082014 00** 4mm Silicone gasket.
- **10082023 00** 3.5mm RFI Gasket (13.3" length).



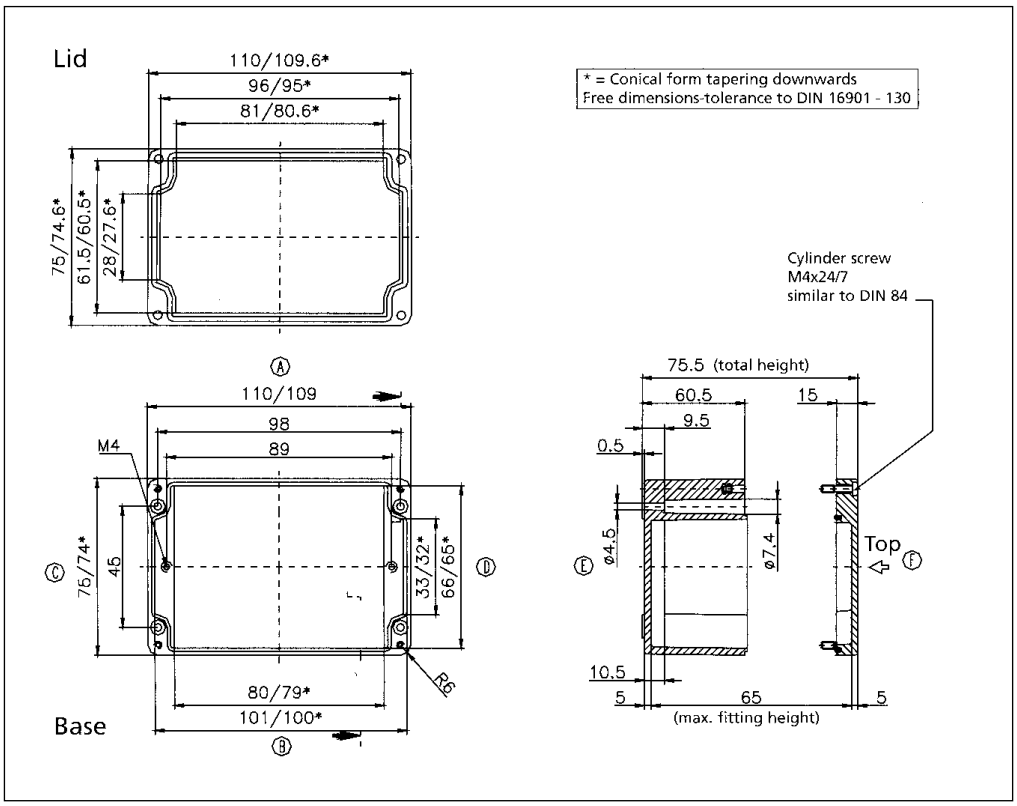
02081108 00 — External Dimensions: L 110 x W 75 x H 75 mm — Page 1-9

Standard Features

- **10093133 00** M4x24 Stainless steel captive combo head lid screws.
- Non-Removable foamed-in Polyurethane gasket.

Accessories

- **10093041 00** Mounting Plate screws.
- **10093092 00** Allen head lid screws.
- **10052033 00** External Brackets.
- **10061102 00** Terminal rail (TS 15).
- **10089033 00** Mounting Plate.
- **10082014 00** 4mm Silicone gasket.
- **10082023 00** 3.5mm RFI Gasket (13.3" length).



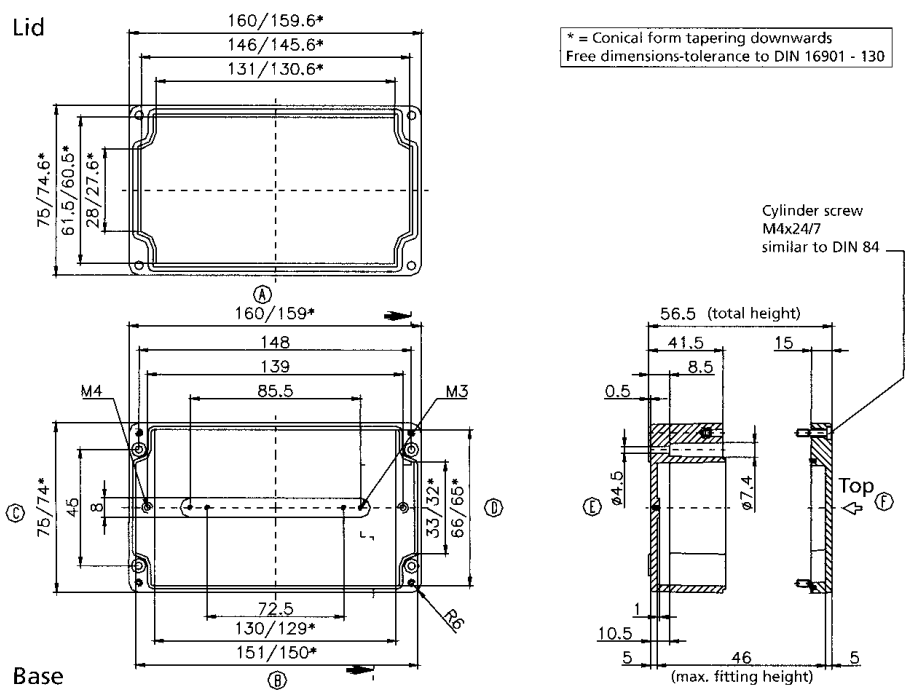
02081606 00 — External Dimensions: L 160 x W 75 x H 56 mm — Page 1-9

Standard Features

- **10093133 00** M4x24 Stainless steel captive combo head lid screws.
- Non-Removable foamed-in Polyurethane gasket.

Accessories

- **10093041 00** Mounting Plate screws.
- **10093092 00** Allen head lid screws.
- **10052033 00** External Brackets.
- **10061103 00** Terminal rail (TS 15).
- **10089035 00** Mounting Plate.
- **10082014 00** 4mm Silicone gasket.
- **10082023 00** 3.5mm RFI Gasket (16.4" length).



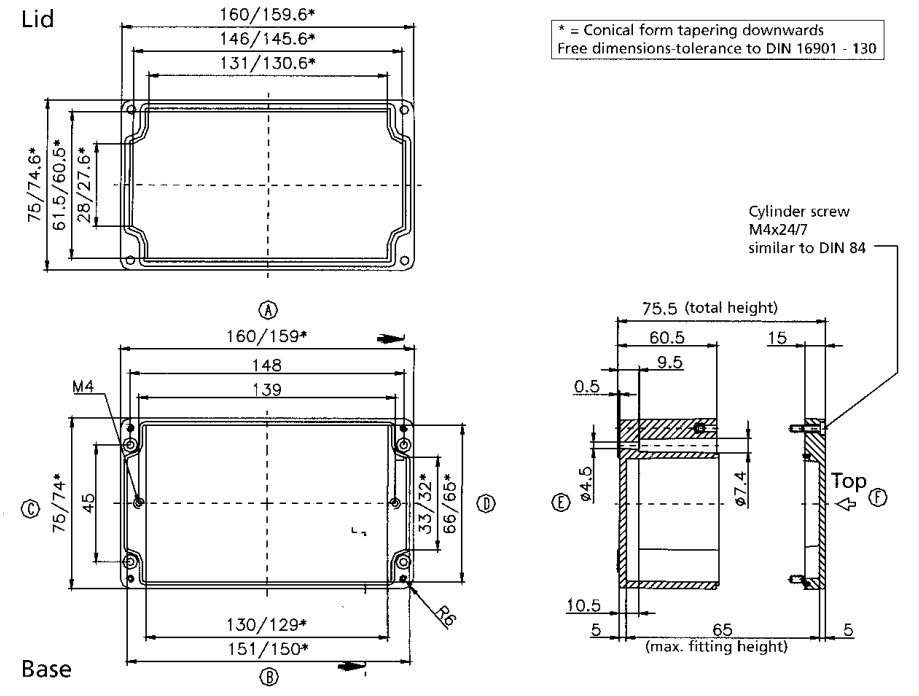
02081608 00 — External Dimensions: L 160 x W 75 x H 75 mm — Page 1-9

Standard Features

- **10093133 00** M4x24 Stainless steel captive combo head lid screws.
- Non-Removable foamed-in Polyurethane gasket.

Accessories

- **10093041 00** Mounting Plate screws.
- **10093092 00** Allen head lid screws.
- **10052033 00** External Brackets.
- **10061103 00** Terminal rail (TS 15).
- **10089035 00** Mounting Plate.
- **10082014 00** 4mm Silicone gasket.
- **10082023 00** 3.5mm RFI Gasket (16.4" length).



Dimensional Drawings

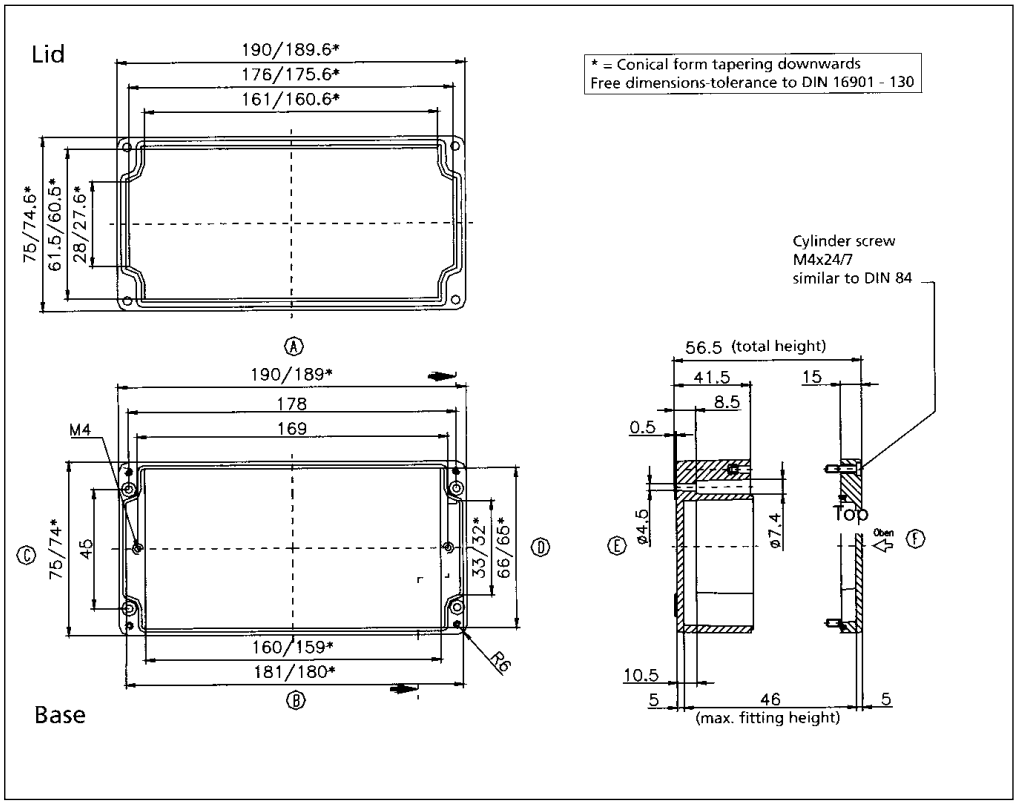
02081906 00 — External Dimensions: L 190 x W 75 x H 56 mm — Page 1-9

Standard Features

- **10093133 00** M4x24 Stainless steel captive combo head lid screws.
- Non-Removable foamed-in Polyurethane gasket.

Accessories

- **10093041 00** Mounting Plate screws.
- **10091002 00** Allen head lid screws.
- **10052033 00** External Brackets.
- **10061104 00** Terminal rail (TS 15).
- **10089037 00** Mounting Plate.
- **10082014 00** 4mm Silicone gasket.
- **10082023 00** 3.5mm RFI Gasket (19.25" length).



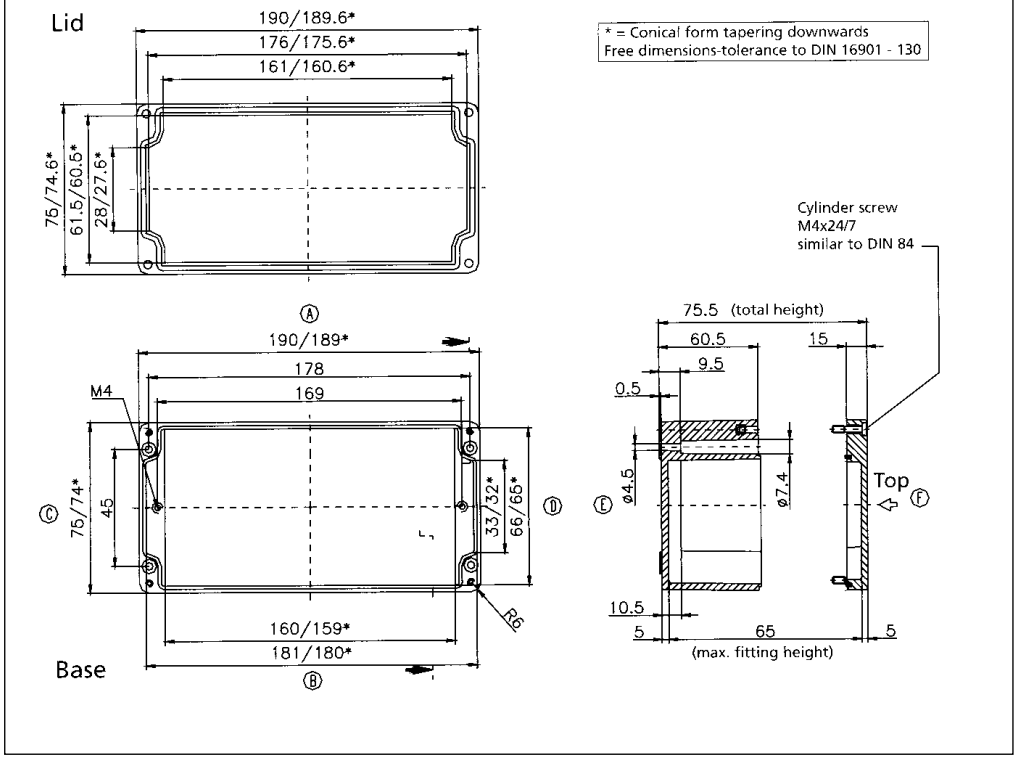
02081908 00 — External Dimensions: L 190 x W 75 x H 75 mm — Page 1-9

Standard Features

- **10093133 00** M4x24 Stainless steel captive combo head lid screws.
- Non-Removable foamed-in Polyurethane gasket.

Accessories

- **10093041 00** Mounting Plate screws.
- **10091002 00** Allen head lid screws.
- **10052033 00** External Brackets.
- **10061104 00** Terminal rail (TS 15).
- **10089037 00** Mounting Plate.
- **10082014 00** 4mm Silicone gasket.
- **10082023 00** 3.5mm RFI Gasket (17.7" length).



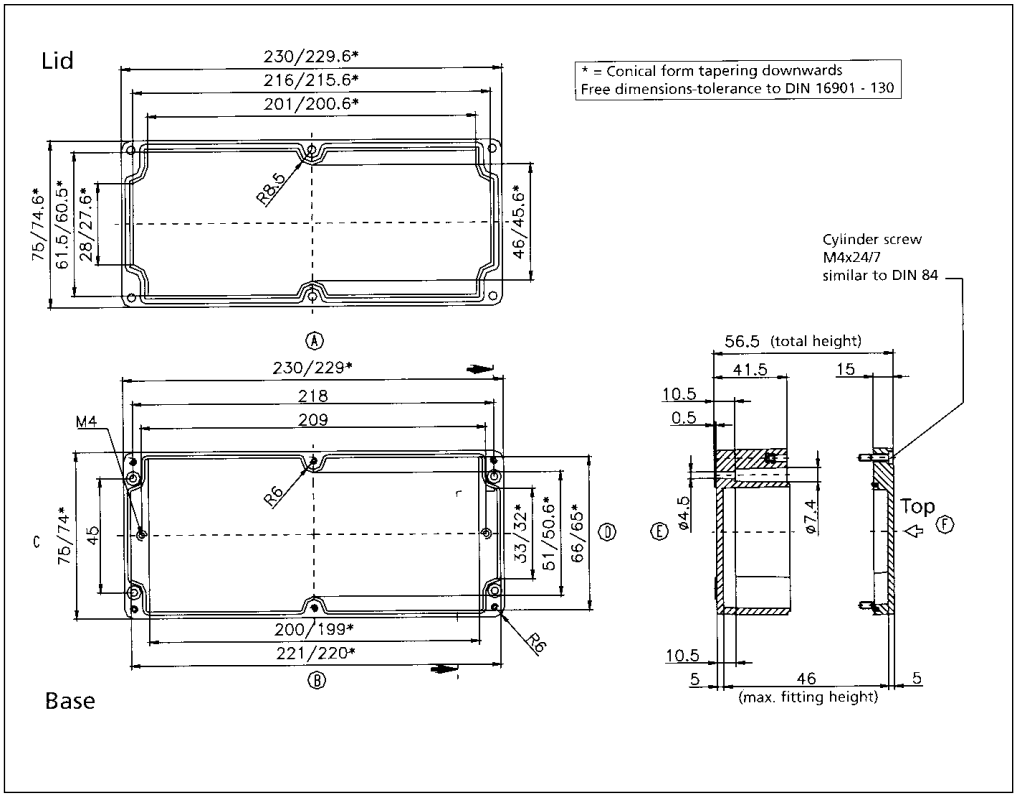
02082306 00 — External Dimensions: L 230 x W 75 x H 56 mm — Page 1-9

Standard Features

- **10093133 00** M4x24 Stainless steel captive combo head lid screws.
- Non-Removable foamed-in Polyurethane gasket.

Accessories

- **10093041 00** Mounting Plate screws.
- **10093092 00** Allen head lid screws.
- **10052033 00** External Brackets.
- **10061105 00** Terminal rail (TS 15).
- **10082014 00** 4mm Silicone gasket.
- **10082023 00** 3.5mm RFI Gasket (23.2" length).



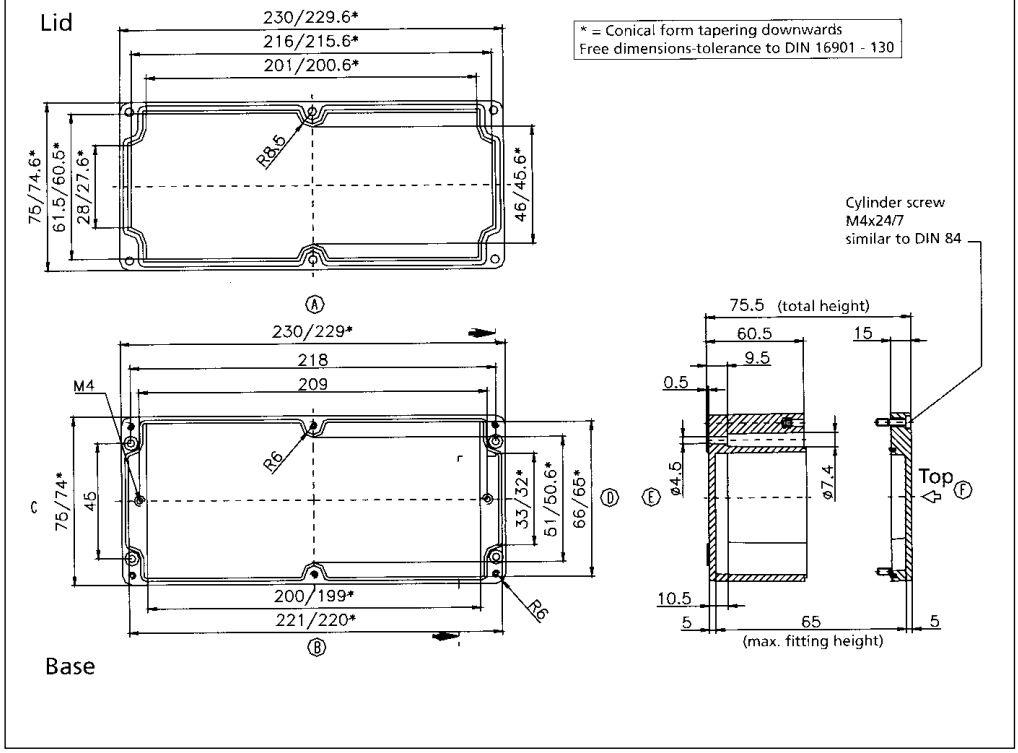
02082308 00 — External Dimensions: L 230 x W 75 x H 75 mm — Page 1-9

Standard Features

- **10093133 00** M4x24 Stainless steel captive combo head lid screws.
- Non-Removable foamed-in Polyurethane gasket.

Accessories

- **10093041 00** Mounting Plate screws.
- **10093092 00** Allen head lid screws.
- **10052033 00** External Brackets.
- **10061105 00** Terminal rail (TS 15).
- **10082014 00** 4mm Silicone gasket.
- **10082023 00** 3.5mm RFI Gasket (23.2" length).



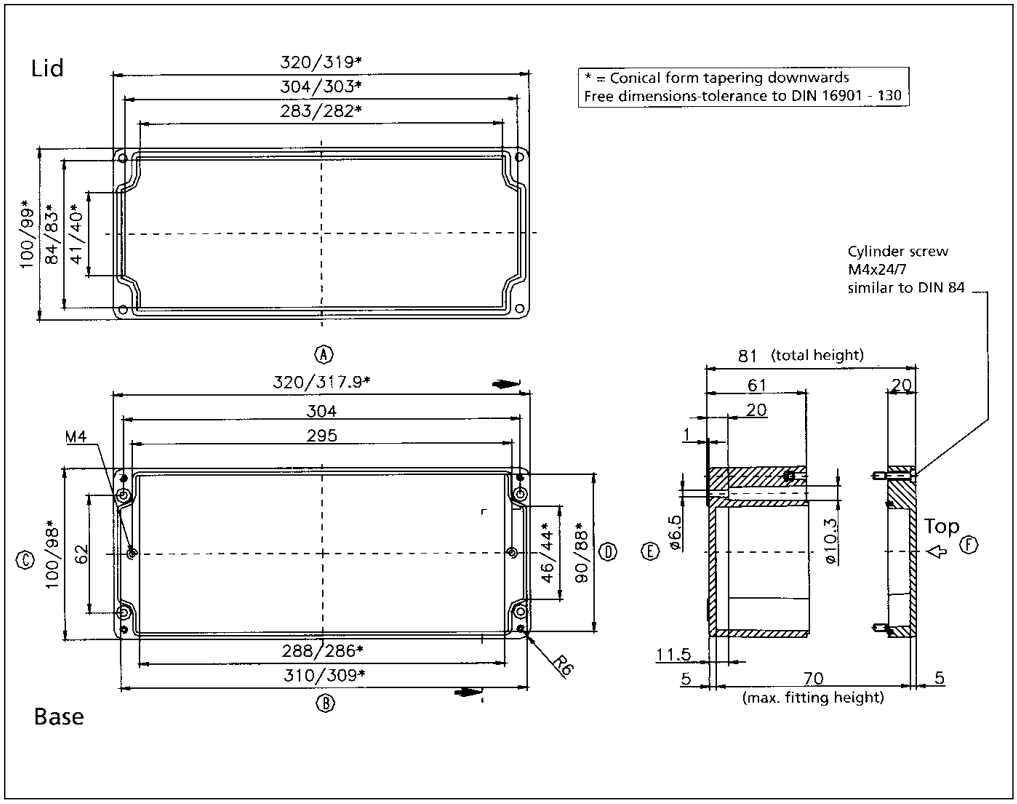
02103208 00 — External Dimensions: L 320 x W 100 x H 81 mm — Page 1-9

Standard Features

- **10093133 00** M4x24 Stainless steel captive combo head lid screws.
- Non-Removable foamed-in Polyurethane gasket.

Accessories

- **10093041 00** Mounting Plate screws.
- **10093261 00** Allen head lid screws.
- **10052034 00** External Brackets.
- **10061106 00** Terminal rail (TS 15).
- **10052101 00** External Hinges.
- **10011006 00** Mounting Plate.
- **10082014 00** 4mm Silicone gasket.
- **10082023 00** 3.5mm RFI Gasket (33.0" length).



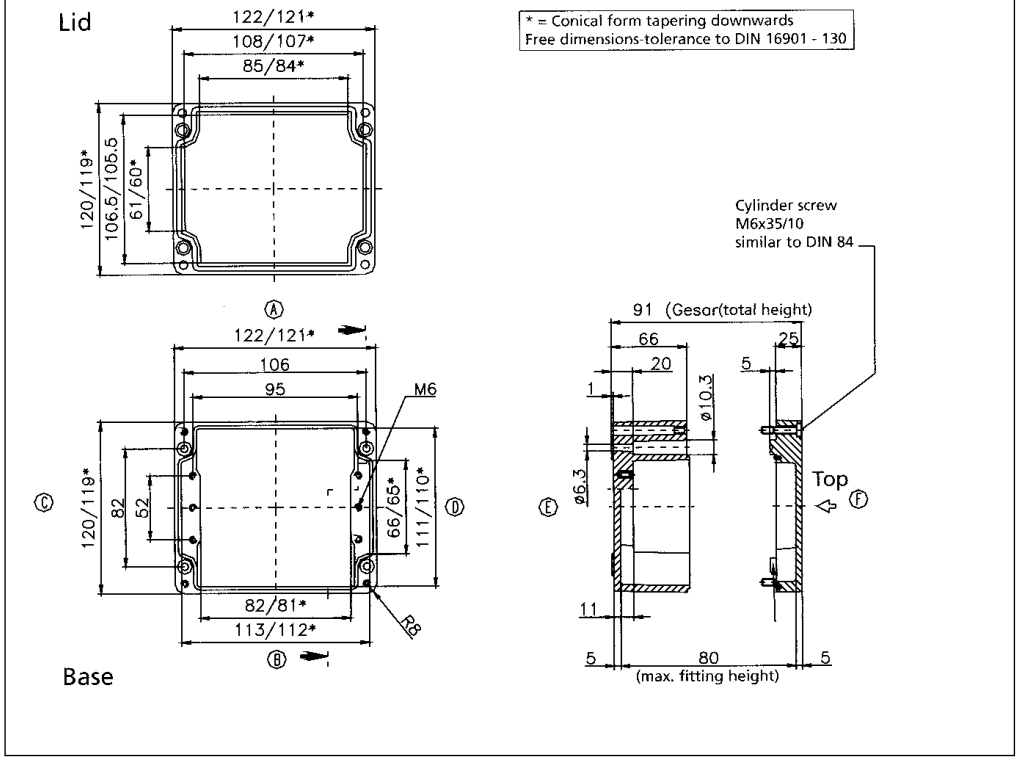
02121209 00 — External Dimensions: L 122 x W 120 x H 91 mm — Page 1-9

Standard Features

- **10093136 00** M6x35 Stainless steel captive combo head lid screws.
- Non-Removable foamed-in Polyurethane gasket.

Accessories

- **10093058 00** Mounting Plate screws.
- **10093262 00** Allen head lid screws.
- **10052034 00** External Brackets.
- **10061401 00** Terminal rail (TS 32).
- **10061421 00** Terminal rail (TS 35).
- **10052101 00** External Hinges.
- **10050401 00** Ground Strip.
- **10089151 00** Mounting Plate.
- **10082014 00** 4mm Silicone gasket.
- **10082023 00** 3.5mm RFI Gasket (16.4" length).



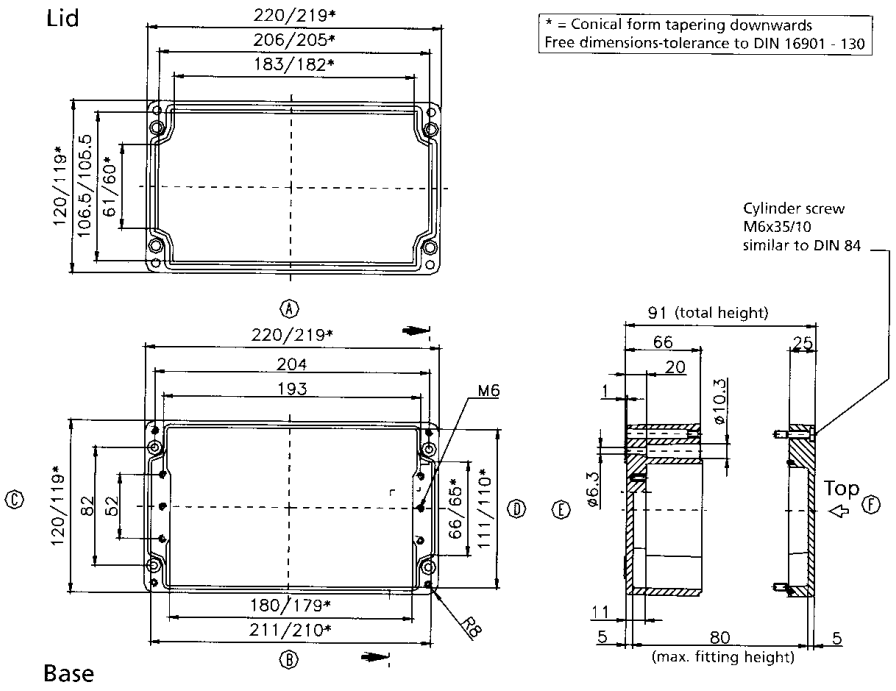
02122209 00 — External Dimensions: L 220 x W 120 x H 91 mm — Page 1-9

Standard Features

- **10093136 00** M6x35 Stainless steel captive combo head lid screws.
- Non-Removable foamed-in Polyurethane gasket.

Accessories

- **10093058 00** Mounting Plate screws.
- **10093262 00** Allen head lid screws.
- **10052034 00** External Brackets.
- **10061402 00** Terminal rail (TS 32).
- **10061422 00** Terminal rail (TS 35).
- **10052101 00** External Hinges.
- **10050402 00** Ground Strip.
- **10089152 00** Mounting Plate.
- **10082014 00** 4mm Silicone gasket.
- **10082023 00** 3.5mm RFI Gasket (23.6" length).



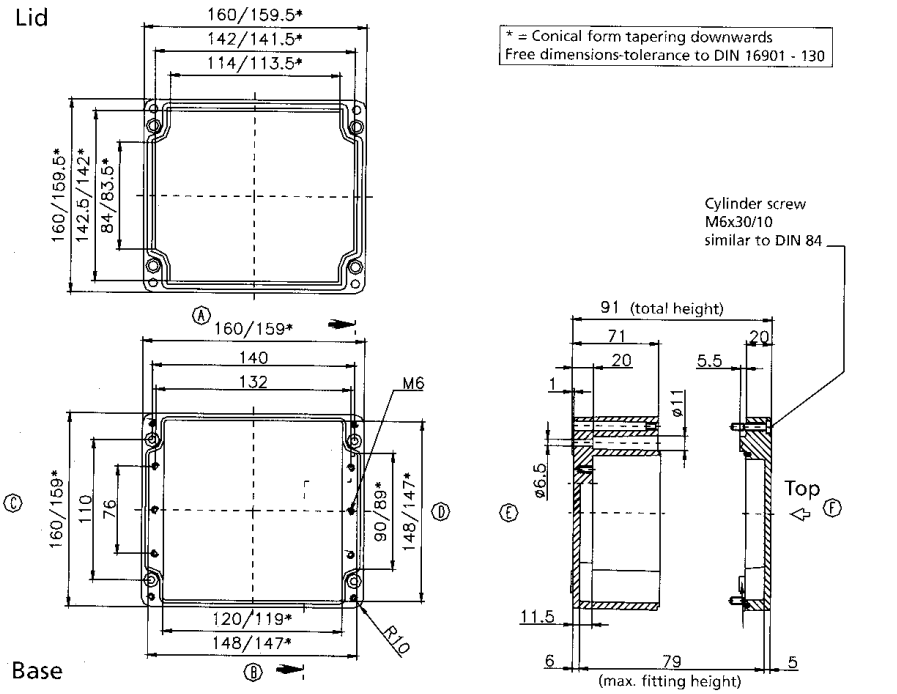
02161609 00 — External Dimensions: L 160 x W 160 x H 91 mm — Page 1-9

Standard Features

- **10093135 00** M6x30 Stainless steel captive combo head lid screws.
- Non-Removable foamed-in Polyurethane gasket.

Accessories

- **10093058 00** Mounting Plate screws.
- **10093263 00** Allen head lid screws.
- **10052034 00** External Brackets.
- **10061403 00** Terminal rail (TS 32).
- **10061423 00** Terminal rail (TS 35).
- **10052101 00** External Hinges.
- **10050404 00** Ground Strip.
- **10089106 00** Mounting Plate.
- **10082015 00** 5mm Silicone gasket.
- **10082024 00** 4mm RFI Gasket (22.0" length).



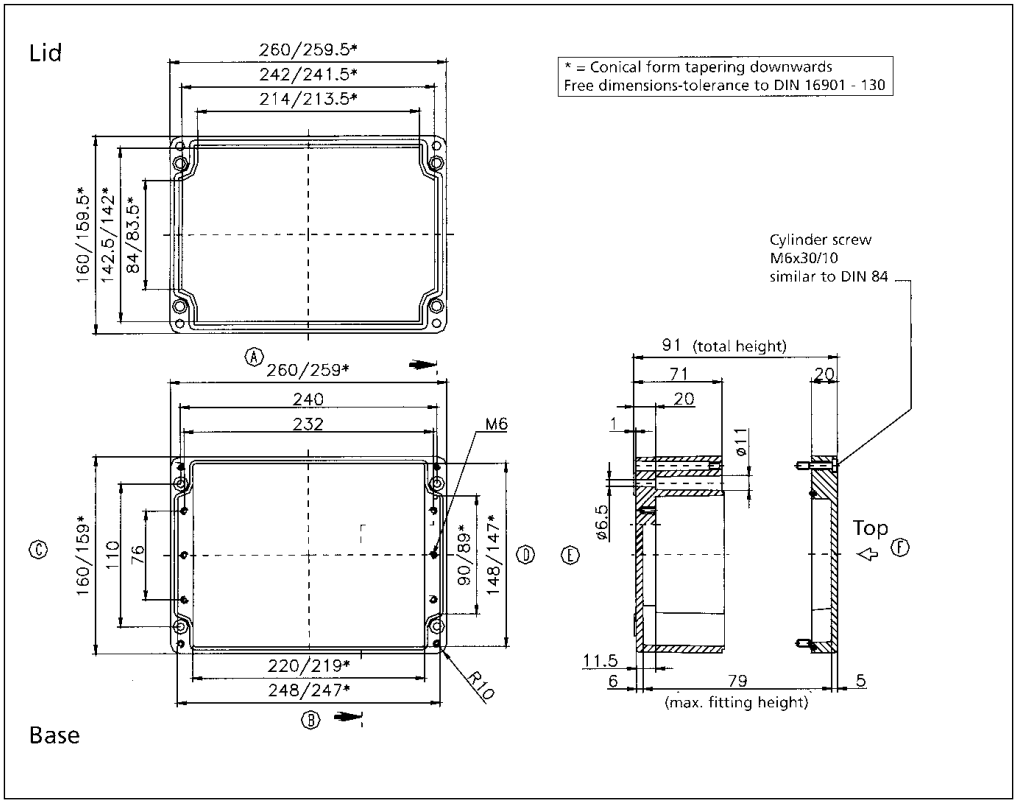
02162609 00 — External Dimensions: L 260 x W 160 x H 91 mm — Page 1-9

Standard Features

- **10093135 00** M6x30 Stainless steel captive combo head lid screws.
- Non-Removable foamed-in Polyurethane gasket.

Accessories

- **10093058 00** Mounting Plate screws.
- **10093263 00** Allen head lid screws.
- **10052034 00** External Brackets.
- **10061404 00** Terminal rail (TS 32).
- **10061424 00** Terminal rail (TS 35).
- **10052101 00** External Hinges.
- **10050405 00** Ground Strip.
- **10089107 00** Mounting Plate.
- **10082015 00** 5mm Silicone gasket.
- **10082024 00** 4mm RFI Gasket (29.1" length).



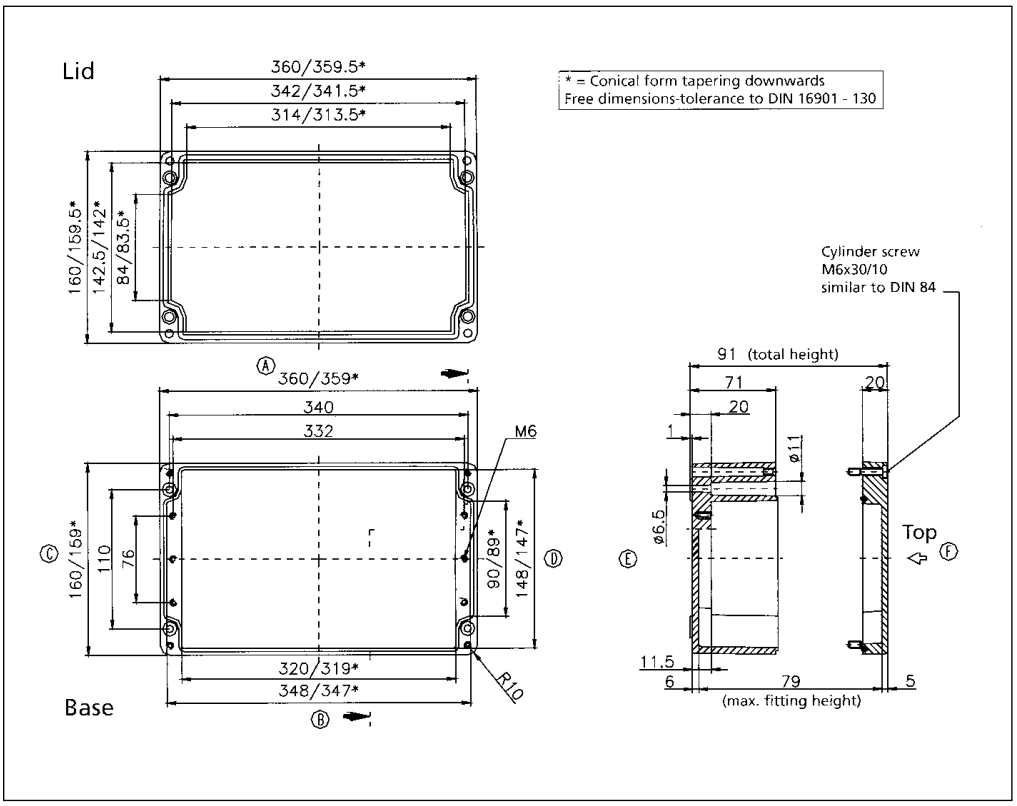
02163609 00 — External Dimensions: L360 x W160 x H91 mm — Page 1-9

Standard Features

- **10093135 00** M6x30 Stainless steel captive combo head lid screws.
- Non-Removable foamed-in Polyurethane gasket.

Accessories

- **10093058 00** Mounting Plate screws.
- **10093263 00** Allen head lid screws.
- **10052034 00** External Brackets.
- **10061405 00** Terminal rail (TS 32).
- **10061425 00** Terminal rail (TS 35).
- **10052101 00** External Hinges.
- **10050406 00** Ground Strip.
- **10089108 00** Mounting Plate.
- **10082015 00** 5mm Silicone gasket.
- **10082024 00** 4mm RFI Gasket (37.0" length).



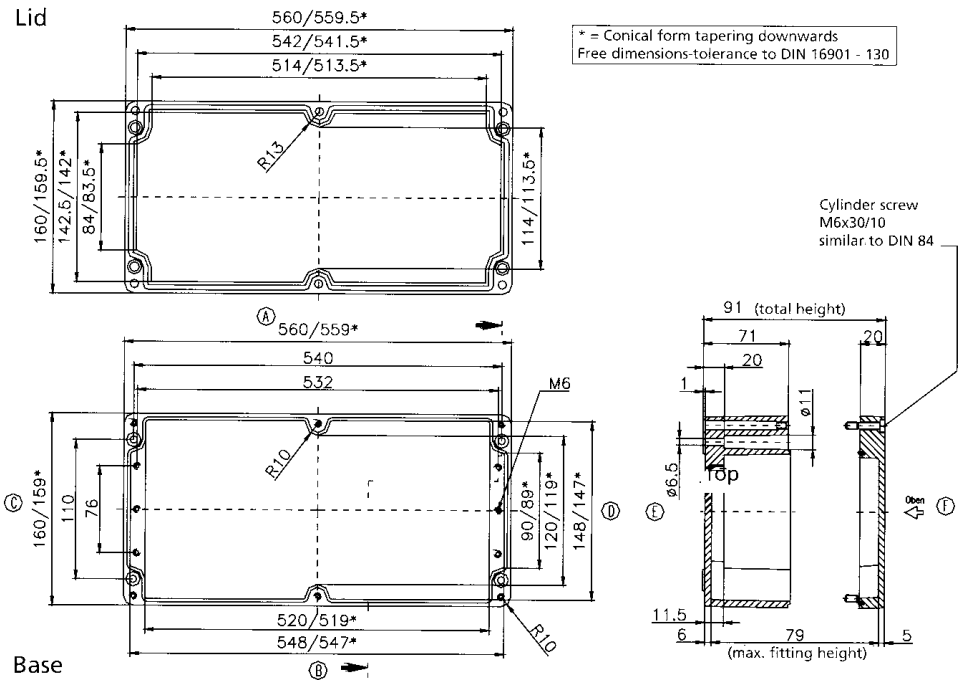
02165609 00 — External Dimensions: L560 x W160 x H91 mm — Page 1-9

Standard Features

- **10093135 00** M6x30 Stainless steel captive combo head lid screws.
- Non-Removable foamed-in Polyurethane gasket.

Accessories

- **10093058 00** Mounting Plate screws.
- **10093263 00** Allen head lid screws.
- **10052034 00** External Brackets.
- **10061406 00** Terminal rail (TS 32).
- **10061426 00** Terminal rail (TS 35).
- **10052101 00** External Hinges.
- **10050407 00** Ground Strip.
- **10089109 00** Mounting Plate.
- **10082015 00** 5mm Silicone gasket.
- **10082024 00** 4mm RFI Gasket (54.7" length).



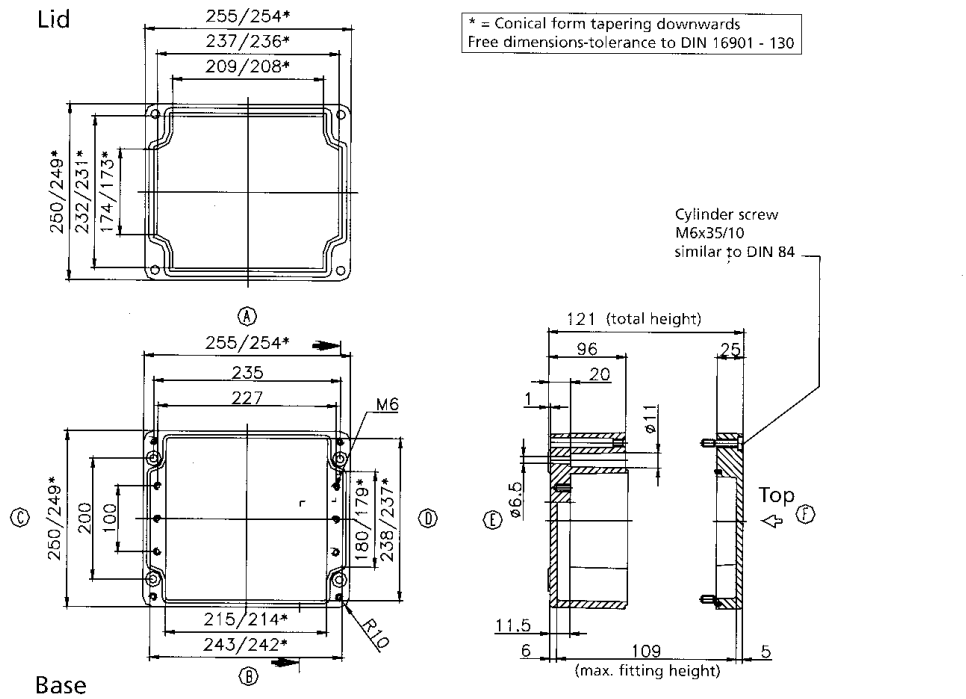
02252612 00 — External Dimensions: L 255 x W 250 x H 121 mm — Page 1-9

Standard Features

- **10093136 00** M6x35 Stainless steel captive comb head lid screws.
- Non-Removable foamed-in Polyurethane gasket.

Accessories

- **10093058 00** Mounting Plate screws.
- **10093262 00** Allen head lid screws.
- **10052034 00** External Brackets.
- **10061414 00** Terminal rail (TS 32).
- **10061434 00** Terminal rail (TS 35).
- **10052101 00** External Hinges.
- **10050405 00** Ground Strip.
- **10089141 00** Mounting Plate.
- **10082015 00** 5mm Silicone gasket.
- **10082024 00** 4mm RFI Gasket (35.0" length).



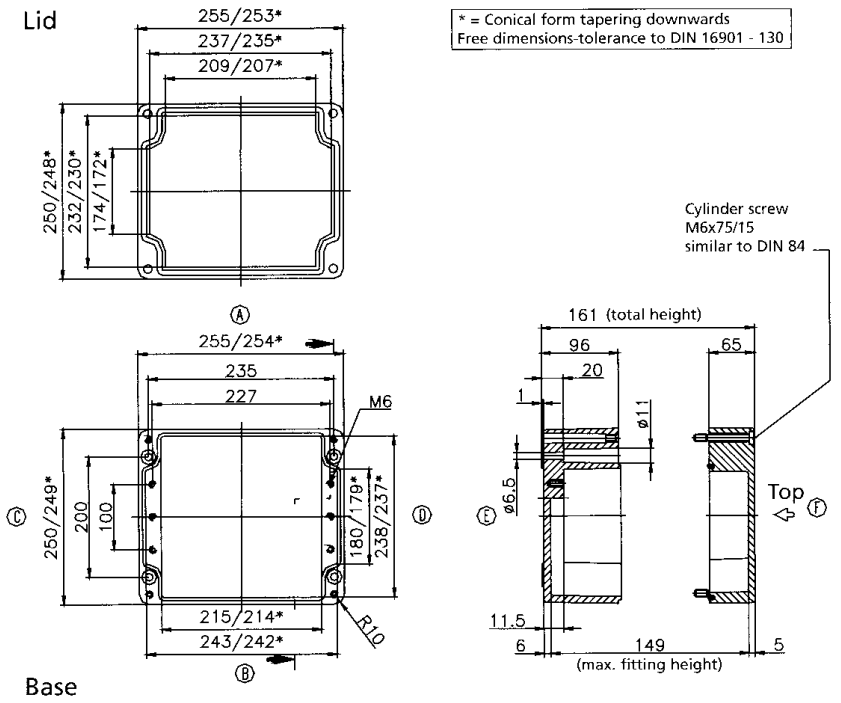
02252616 00 — External Dimensions: L 255 x W 250 x H 161 mm — Page 1-9

Standard Features

- **10093070 00** M6x75 Stainless steel captive combo head lid screws.
- Non-Removable foamed-in Polyurethane gasket .

Accessories

- **10093058 00** Mounting Plate screws.
- **10091006 00** Allen head lid screws.
- **10052034 00** External Brackets.
- **10061414 00** Terminal rail (TS 32).
- **10061434 00** Terminal rail (TS 35).
- **10052101 00** External Hinges.
- **10050405 00** Ground Strip.
- **10089141 00** Mounting Plate.
- **10082015 00** 5mm Silicone gasket.
- **10082024 00** 4mm RFI Gasket (35.0" length).



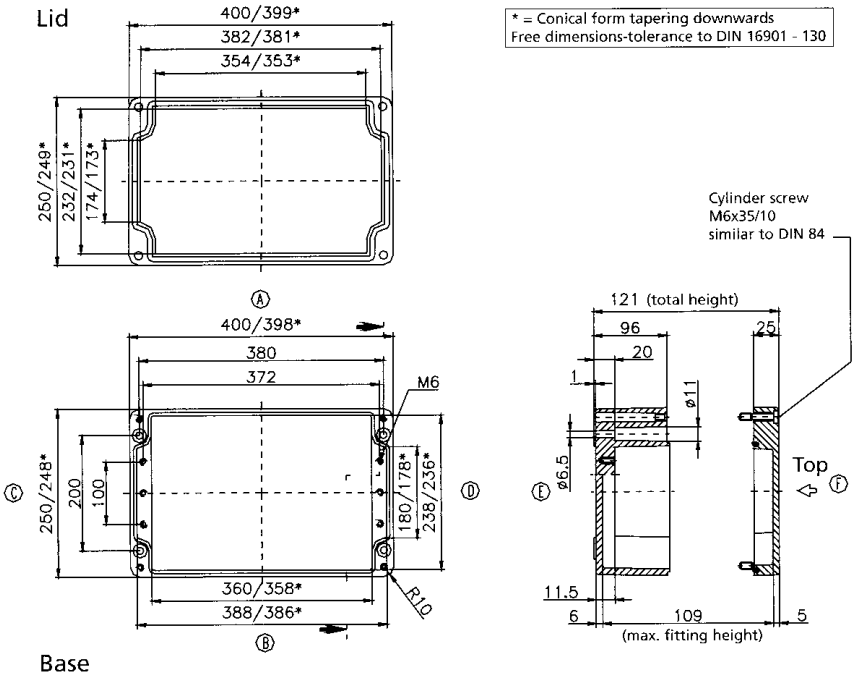
02254012 00 — External Dimensions: L 400 x W 250 x H 121 mm — Page 1-9

Standard Features

- **10093136 00** M6x35 Stainless steel captive combo head lid screws.
- Non-Removable foamed-in Polyurethane gasket.

Accessories

- **10093058 00** Mounting Plate screws.
- **10093262 00** Allen head lid screws.
- **10052034 00** External Brackets.
- **10061407 00** Terminal rail (TS 32).
- **10061427 00** Terminal rail (TS 35).
- **10052101 00** External Hinges.
- **10050411 00** Ground Strip.
- **10089143 00** Mounting Plate.
- **10082015 00** 5mm Silicone gasket.
- **10082024 00** 4mm RFI Gasket (46.9" length).



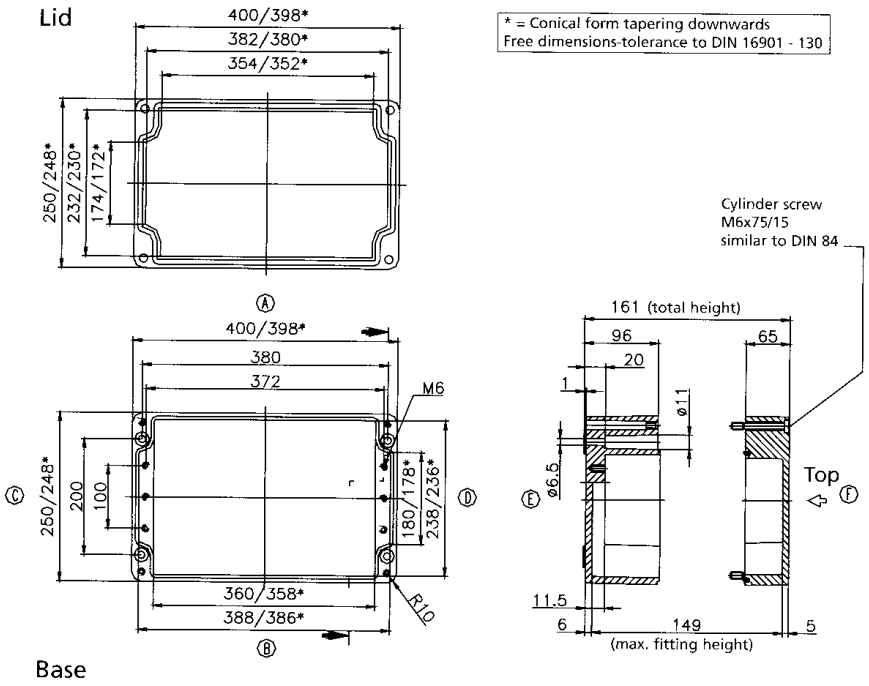
02254016 00 — External Dimensions: L 400 x W 250 x H 161 mm — Page 1-9

Standard Features

- **10093070 00** M6x75 Stainless steel captive combo head lid screws.
- Non-Removable foamed-in Polyurethane gasket.

Accessories

- **10093058 00** Mounting Plate screws.
- **10091006 00** Allen head lid screws.
- **10052034 00** External Brackets.
- **10061407 00** Terminal rail (TS 32).
- **10061427 00** Terminal rail (TS 35).
- **10052101 00** External Hinges.
- **10050411 00** Ground Strip.
- **10089143 00** Mounting Plate.
- **10082015 00** 5mm Silicone gasket.
- **10082024 00** 4mm RFI Gasket (46.9" length).



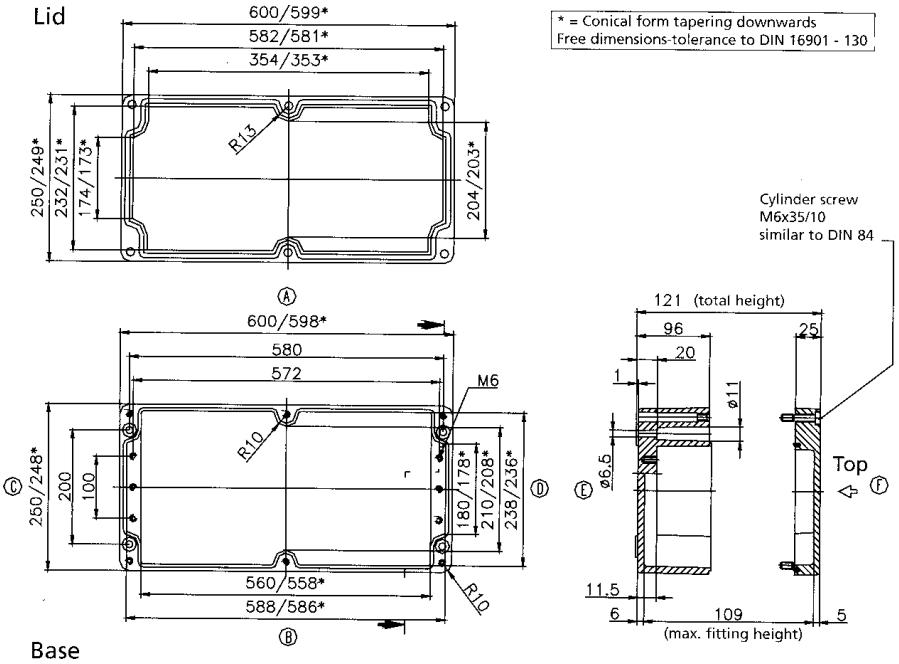
02256012 00 — External Dimensions: L 600 x W 250 x H 121 mm — Page 1-9

Standard Features

- **10093136 00** M6x35 Stainless steel captive combo head lid screws.
- Non-Removable foamed-in Polyurethane gasket.

Accessories

- **10093058 00** Mounting Plate screws.
- **10093262 00** Allen head lid screws.
- **10052034 00** External Brackets.
- **10061408 00** Terminal rail (TS 32).
- **10061428 00** Terminal rail (TS 35).
- **10052101 00** External Hinges.
- **10050412 00** Ground Strip.
- **10089144 00** Mounting Plate.
- **10082015 00** 5mm Silicone gasket.
- **10082014 00** 4mm RFI Gasket (59.8" length).



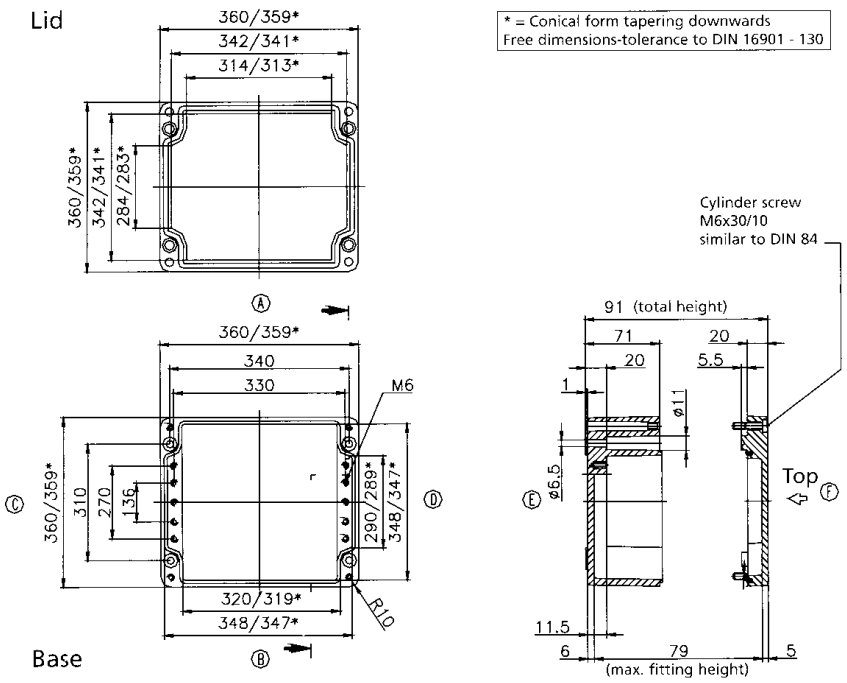
02363609 00 — External Dimensions: L 360 x W 360 x H 91 mm — Page 1-9

Standard Features

- **10093135 00** M6x30 Stainless steel captive combo head lid screws.
- Non-Removable foamed-in Polyurethane gasket.

Accessories

- **10093058 00** Mounting Plate screws.
- **10093263 00** Allen head lid screws.
- **10052034 00** External Brackets.
- **10061405 00** Terminal rail (TS 32).
- **10061425 00** Terminal rail (TS 35).
- **10052101 00** External Hinges.
- **10050406 00** Ground Strip.
- **10089145 00** Mounting Plate.
- **10082015 00** 5mm Silicone gasket.
- **10082014 00** 4mm RFI Gasket (53.5" length).



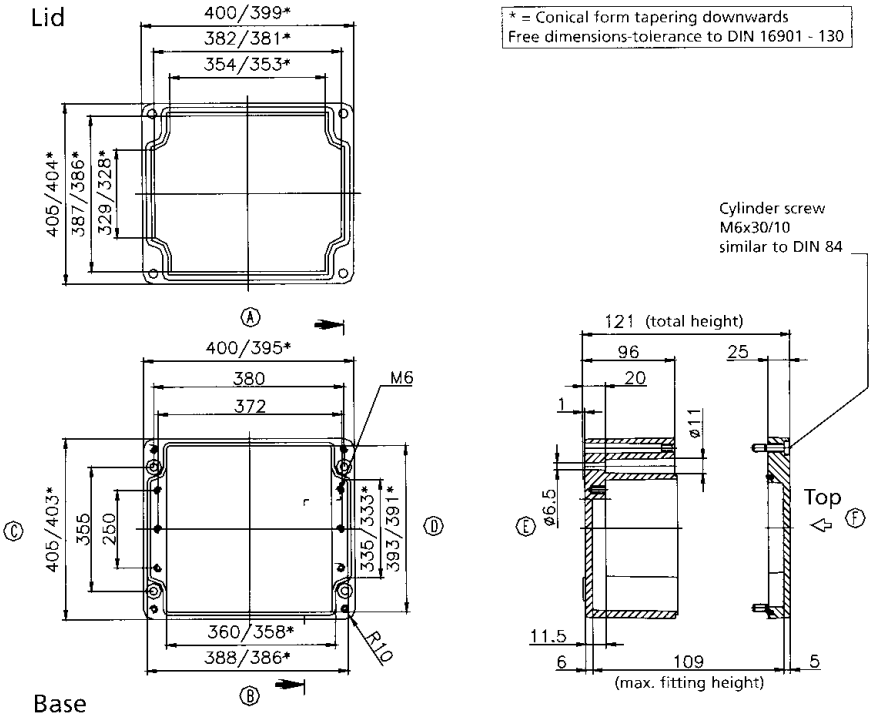
02414012 00 — External Dimensions: L 400 x W 405 x H 121 mm — Page 1-9

Standard Features

- **10093135 00** M6x30 Stainless steel captive combo head lid screws.
- Non-Removable foamed-in Polyurethane gasket.

Accessories

- **10093058 00** Mounting Plate screws.
- **10093263 00** Allen head lid screws.
- **10052034 00** External Brackets.
- **10061407 00** Terminal rail (TS 32).
- **10061427 00** Terminal rail (TS 35).
- **10052101 00** External Hinges.
- **10050411 00** Ground Strip.
- **10089146 00** Mounting Plate.
- **10082015 00** 5mm Silicone gasket.
- **10082014 00** 4mm RFI Gasket (58.3" length).



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