



INCOFIX

PRE
ENGINEERED
MEP
SUPPORTS

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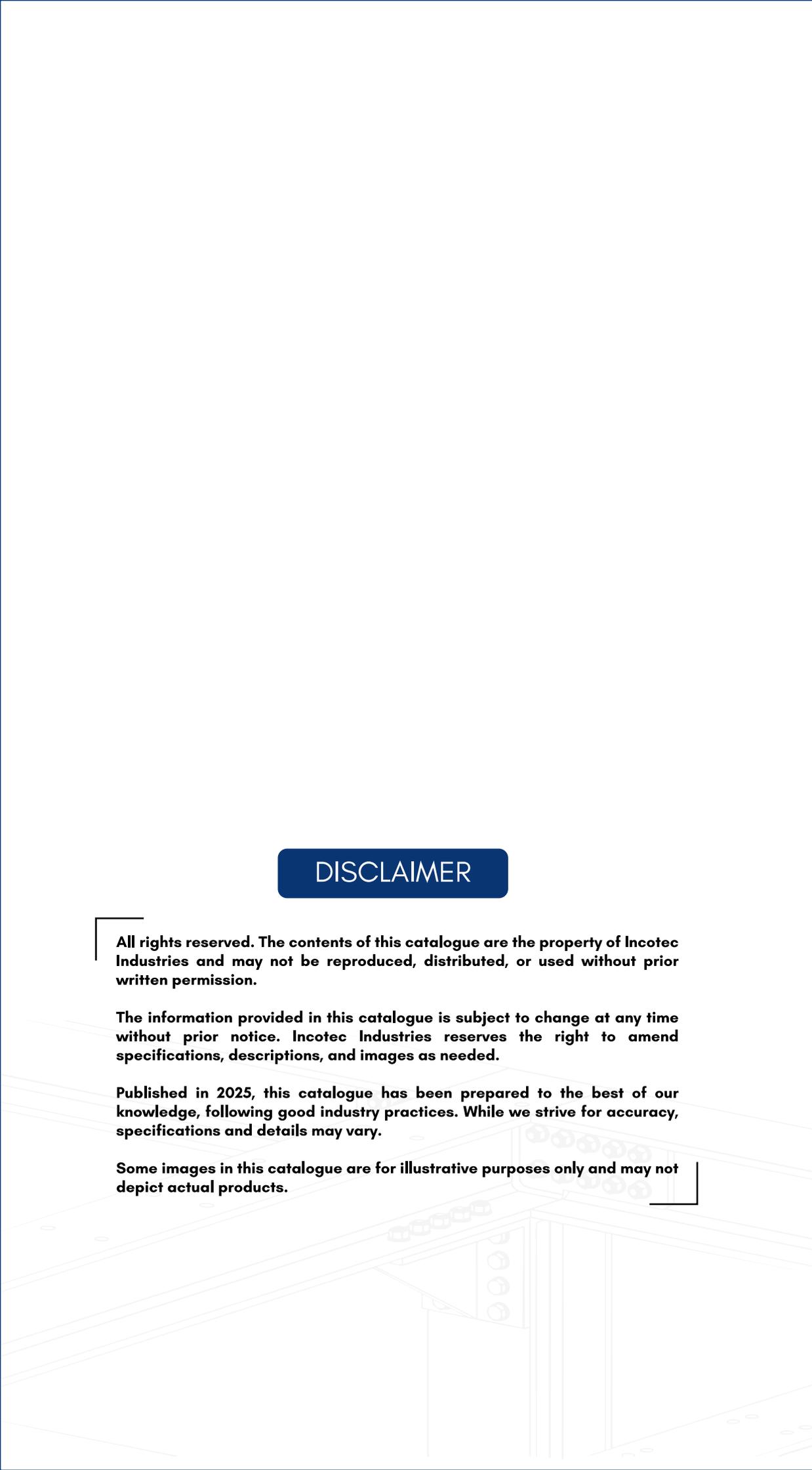
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Published in 2025, this catalogue has been prepared to the best of our knowledge, following good industry practices. While we strive for accuracy, specifications and details may vary.

Some images in this catalogue are for illustrative purposes only and may not depict actual products.



A long cable-stayed bridge stretches across a body of water under a sunset sky. The bridge features a prominent H-shaped pylon and numerous stay cables. The sky transitions from a soft orange near the horizon to a clear blue at the top. The bridge's reflection is visible in the calm water.

PRECISION IN MOTION

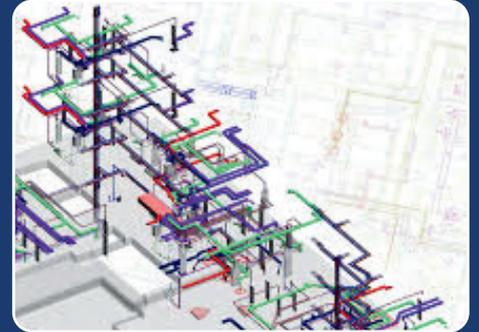
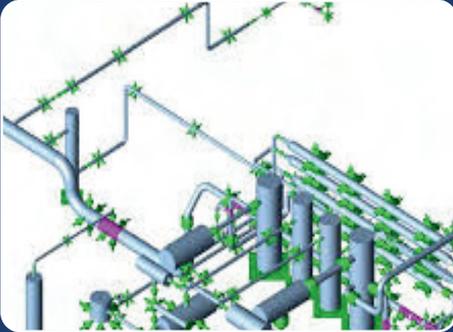
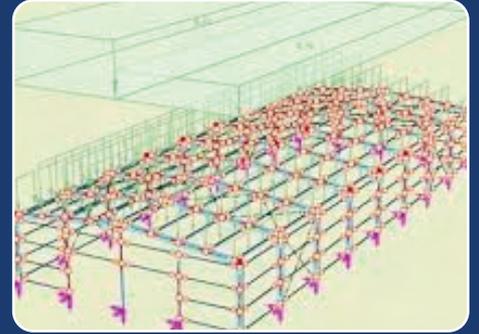
Just as the hummingbird moves with remarkable speed and efficiency, our brand is committed to delivering high-performance solutions with unmatched reliability and innovation.

Hummingbirds may be small, but they are powerful—capable of hovering in place, adapting instantly, and covering vast distances. Likewise, Incofix thrives on innovation, adaptability, and excellence, ensuring every product we create meets the highest standards of strength, durability, and precision.

Like the hummingbird's relentless pursuit of nectar, we are driven by an unwavering commitment to quality and customer satisfaction. We believe in efficiency without compromise, in solutions that are lightweight yet strong, and in products that bring real value to those who use them.

With Incofix, you get more than just a brand—you experience the spirit of continuous progress, precision, and innovation. Just as the hummingbird never stops moving forward, neither do we.

Incofix Engineering Services



MEP Seismic Design

Onsite Installation Support

Pipe Stress Analysis

Anchor Pullout Test

Modular Support Fabrication

BOQ Preparation

BIM Support

Support Markup on Drawings

Supports Stress Analysis

Designing Tools

SELECT

CAESAR II[®]
Pipe Stress Analysis

STAAD.Pro

AUTODESK[®]
BIM 360[™]

ArCADia
SOFT



Engineering Solutions



HVAC & Ducting

Incofix HVAC & Ducting provides expert solutions for installation, support, and maintenance of heating, ventilation, air conditioning, and plumbing systems for commercial and industrial projects.



Plumbing

Incofix plumbing supports ensure secure, vibration-free pipe installation. Engineered for durability and long-term performance across all systems.



Electrical

Incofix Electrical Services provides professional solutions for electrical system installation, support, and maintenance, ensuring safe, reliable, and efficient power distribution for commercial and industrial projects.



Fire Fighting

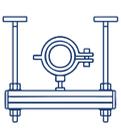
Incofix Fire Fighting Services provides comprehensive solutions for fire protection systems, including installation, testing, and maintenance, ensuring safety, compliance, and reliable emergency response for all projects.

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Section A

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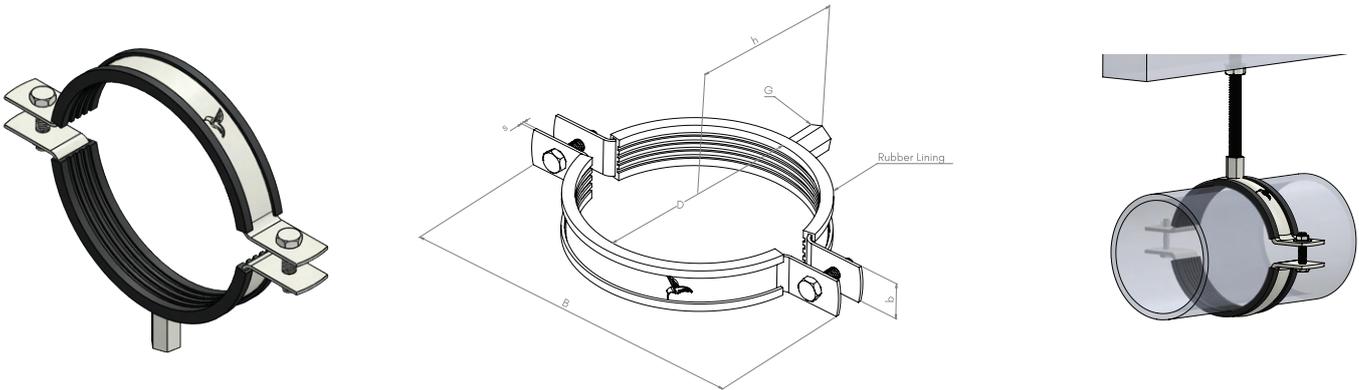
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CLAMPS

RUBBER LINED SPLIT CLAMP

A



Material: Carbon Steel with EPDM Rubber Lining.

Coating: Zinc Plating $\geq 5 \mu\text{m}$ (ASTM B 633/EN ISO 2081)
Hot Dip Galvanized (ASTM A153/EN ISO 1461)
Armor X 20

Standards Compliance: Meets MSS SP-58 for pipe supports.

High Load Capacity: Reinforced lock bolts ensure reliable support.

Corrosion Resistance: Different coating options make it suitable for indoor and outdoor & Coastal environments.

Versatility: Suitable for horizontal and vertical applications, compatible with rubber support inserts for chilled water pipes.

Easy Installation: Large opening angle with anti-loss screws for efficient setup.

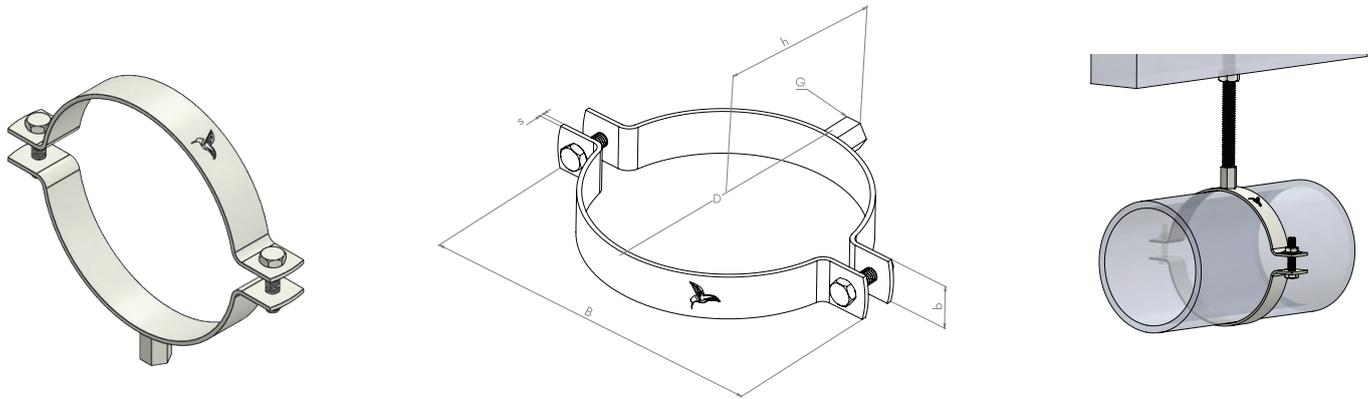


| Part No. | D (mm) | Size (inch) | DN | Dia (mm) | G | B (mm) | H (mm) | h (mm) | b x s (mm) | Rec. Load KG | Qty Pack |
|------------|-----------|----------------|-----|-------------|--------|-----------|-----------|-----------|---------------|-----------------|-------------|
| IC11500015 | 15-19 | 3/8 | 10 | 15 | M8/M10 | 60 | 36 | 26 | 19 x 1.2 | 150 | 450 |
| IC11500022 | 20-25 | 1/2 | 15 | 22 | M8/M10 | 65 | 43 | 29 | 19 x 1.2 | 150 | 400 |
| IC11500028 | 26-30 | 3/4 | 20 | 28 | M8/M10 | 70 | 50 | 32 | 19 x 1.2 | 150 | 350 |
| IC11500035 | 32-36 | 1 | 25 | 35 | M8/M10 | 85 | 56 | 36 | 19 x 1.2 | 150 | 300 |
| IC11500042 | 38-43 | 1 1/4 | 32 | 42 | M8/M10 | 92 | 63 | 39 | 19 x 1.2 | 150 | 250 |
| IC11500048 | 47-51 | 1 1/2 | 40 | 48 | M8/M10 | 98 | 72 | 42 | 19 x 1.2 | 150 | 200 |
| IC11500054 | 53-58 | - | - | 54 | M8/M10 | 104 | 75 | 45 | 19 x 1.2 | 150 | 200 |
| IC11500060 | 60-64 | 2 | 50 | 60 | M8/M10 | 110 | 81 | 48 | 19 x 1.2 | 150 | 125 |
| IC11500063 | 63-66 | - | - | 63 | M8/M10 | 115 | 88 | 51 | 19 x 1.2 | 150 | 125 |
| IC11500070 | 68-72 | - | - | 70 | M8/M10 | 120 | 91 | 53 | 19 x 1.2 | 150 | 125 |
| IC11500075 | 74-80 | 2 1/2 | 65 | 75 | M8/M10 | 125 | 96 | 56 | 19 x 1.5 | 200 | 100 |
| IC11500083 | 81-86 | - | - | 83 | M8/M10 | 139 | 108 | 60 | 19 x 1.5 | 200 | 100 |
| IC11500090 | 87-92 | 3 | 80 | 90 | M8/M10 | 146 | 111 | 63 | 19 x 1.5 | 200 | 100 |
| IC11500100 | 99-105 | 3 1/2 | - | 100 | M8/M10 | 156 | 121 | 68 | 19 x 1.5 | 200 | 75 |
| IC11500110 | 107-112 | - | - | 110 | M8/M10 | 166 | 131 | 73 | 19 x 1.5 | 200 | 75 |
| IC11500115 | 113-118 | 4 | 100 | 115 | M8/M10 | 171 | 136 | 76 | 19 x 1.5 | 200 | 70 |
| IC11500125 | 125-130 | - | - | 125 | M8/M10 | 181 | 146 | 81 | 19 x 2.0 | 200 | 70 |
| IC11500133 | 131-137 | - | - | 133 | M8/M10 | 184 | 154 | 85 | 19 x 2.0 | 200 | 50 |
| IC11500140 | 138-142 | 5 | 125 | 140 | M8/M10 | 196 | 161 | 88 | 19 x 2.0 | 200 | 50 |
| IC11500150 | 148-153 | - | - | 150 | M8/M10 | 206 | 171 | 93 | 19 x 2.0 | 200 | 50 |
| IC11500160 | 159-166 | - | - | 160 | M8/M10 | 216 | 181 | 98 | 19 x 2.0 | 200 | 50 |
| IC11500168 | 168-172 | 6 | 150 | 168 | M8/M10 | 224 | 189 | 102 | 19 x 2.0 | 200 | 50 |
| IC11500200 | 200-212 | - | - | 200 | M8/M10 | 256 | 221 | 118 | 19 x 2.0 | 300 | 50 |
| IC11500220 | 215-220 | 8 | 200 | 220 | M8/M10 | 276 | 241 | 128 | 19 x 2.0 | 300 | 40 |
| IC11500250 | 249-260 | - | - | 250 | M8/M10 | 306 | 271 | 143 | 19 x 2.0 | 300 | 40 |
| IC11500315 | 313-318 | - | - | 315 | M8/M10 | 371 | 336 | 176 | 19 x 2.0 | 300 | 25 |

Note: Hot-dip galvanized and stainless steel options are available on request.

PLAIN SPLIT CLAMP

A



Material: Carbon Steel.

Coating: Zinc Plating $\geq 5 \mu\text{m}$ (ASTM B 633/EN ISO 2081)
Hot Dip Galvanized (ASTM A153/EN ISO 1461)
Armor X 20

Standards Compliance: Meets MSS SP-58 for pipe supports.

High Load Capacity: Reinforced lock bolts ensure reliable support.

Corrosion Resistance: Different coating options make it suitable for indoor and outdoor & Coastal environments.

Versatility: Suitable for horizontal and vertical applications, compatible with rubber support inserts for chilled water pipes.

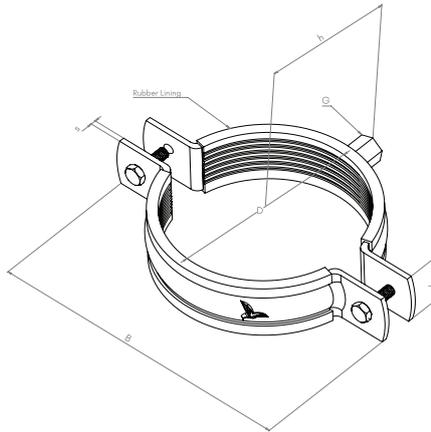
Easy Installation: Large opening angle with anti-loss screws for efficient setup.

| Part No. | D (mm) | Size (inch) | DN | Dia (mm) | G | B (mm) | H (mm) | h (mm) | b x s (mm) | Rec. Load KG | Qty Pack |
|------------|-----------|----------------|-----|-------------|--------|-----------|-----------|-----------|---------------|-----------------|-------------|
| IC12500015 | 15-19 | 3/8 | 10 | 15 | M8/M10 | 59 | 30 | 23 | 20 x 2.0 | 200 | 600 |
| IC12500022 | 20-25 | 1/2 | 15 | 22 | M8/M10 | 66 | 37 | 26 | 20 x 2.0 | 200 | 500 |
| IC12500028 | 26-30 | 3/4 | 20 | 28 | M8/M10 | 72 | 43 | 29 | 20 x 2.0 | 200 | 400 |
| IC12500035 | 32-36 | 1 | 25 | 35 | M8/M10 | 79 | 50 | 33 | 20 x 2.0 | 200 | 350 |
| IC12500042 | 38-43 | 1 1/4 | 32 | 42 | M8/M10 | 86 | 57 | 36 | 20 x 2.0 | 200 | 300 |
| IC12500048 | 47-51 | 1 1/2 | 40 | 48 | M8/M10 | 92 | 63 | 39 | 20 x 2.0 | 200 | 250 |
| IC12500054 | 53-58 | - | - | 54 | M8/M10 | 98 | 69 | 42 | 20 x 2.0 | 200 | 250 |
| IC12500060 | 60-64 | 2 | 50 | 60 | M8/M10 | 104 | 75 | 45 | 20 x 2.0 | 200 | 200 |
| IC12500063 | 63-66 | - | - | 63 | M8/M10 | 108 | 82 | 47 | 20 x 2.0 | 200 | 200 |
| IC12500070 | 68-72 | - | - | 70 | M8/M10 | 114 | 85 | 50 | 20 x 2.0 | 200 | 150 |
| IC12500075 | 74-80 | 2 1/2 | 65 | 75 | M8/M10 | 119 | 90 | 53 | 20 x 2.0 | 200 | 150 |
| IC12500083 | 81-86 | - | - | 83 | M8/M10 | 127 | 98 | 57 | 20 x 2.0 | 200 | 125 |
| IC12500090 | 87-92 | 3 | 80 | 90 | M8/M10 | 134 | 105 | 60 | 20 x 2.0 | 200 | 125 |
| IC12500100 | 99-105 | 3 1/2 | - | 100 | M8/M10 | 144 | 115 | 65 | 20 x 2.0 | 200 | 100 |
| IC12500110 | 107-112 | - | - | 110 | M8/M10 | 154 | 125 | 70 | 20 x 2.0 | 200 | 100 |
| IC12500115 | 113-118 | 4 | 100 | 115 | M8/M10 | 159 | 130 | 73 | 20 x 2.0 | 200 | 90 |
| IC12500125 | 125-130 | - | - | 125 | M8/M10 | 169 | 140 | 78 | 20 x 2.0 | 200 | 75 |
| IC12500133 | 131-137 | - | - | 133 | M8/M10 | 177 | 148 | 82 | 20 x 2.0 | 200 | 75 |
| IC12500140 | 138-142 | 5 | 125 | 140 | M8/M10 | 184 | 155 | 85 | 20 x 2.5 | 300 | 75 |
| IC12500150 | 148-153 | - | - | 150 | M8/M10 | 194 | 165 | 90 | 20 x 2.5 | 300 | 60 |
| IC12500160 | 159-166 | - | - | 160 | M8/M10 | 204 | 175 | 95 | 25 x 2.5 | 300 | 60 |
| IC12500168 | 168-172 | 6 | 150 | 168 | M8/M10 | 212 | 183 | 99 | 25 x 2.5 | 300 | 60 |
| IC12500200 | 200-212 | - | - | 200 | M8/M10 | 244 | 215 | 115 | 25 x 2.5 | 300 | 60 |
| IC12500220 | 215-220 | 8 | 200 | 220 | M8/M10 | 264 | 235 | 125 | 25 x 2.5 | 300 | 50 |
| IC12500250 | 249-260 | - | - | 250 | M8/M10 | 294 | 265 | 140 | 25 x 2.5 | 300 | 50 |
| IC12500315 | 313-318 | - | - | 315 | M8/M10 | 359 | 330 | 173 | 25 x 2.5 | 300 | 40 |

Note: Hot-dip galvanized and stainless steel options are available on request.

HEAVY DUTY RUBBER LINED SPLIT CLAMP

A



Material: Carbon Steel with EPDM Rubber Lining.

Coating: Zinc Plating $\geq 5 \mu\text{m}$ (ASTM B 633/EN ISO 2081)
Hot Dip Galvanized (ASTM A153/EN ISO 1461)
Armor X 20

Standards Compliance: Meets MSS SP-58 for pipe supports.

High Load Capacity: Reinforced lock bolts ensure reliable support.

Corrosion Resistance: Different coating options make it suitable for indoor and outdoor & Coastal environments.

Versatility: Suitable for horizontal and vertical applications, compatible with rubber support inserts for chilled water pipes.

Easy Installation: Large opening angle with anti-loss screws for efficient setup.

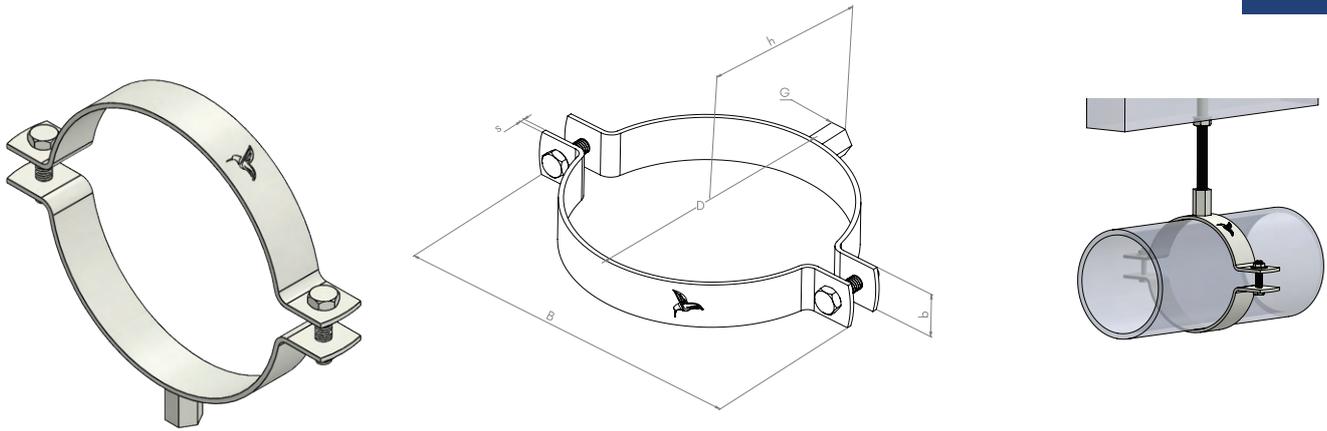


| Part No. | D (mm) | Size (inch) | - DN | Dia (mm) | G | B (mm) | H (mm) | h (mm) | b x s (mm) | Rec. Load KG | Qty Pack |
|------------|-----------|----------------|---------|-------------|---------|-----------|-----------|-----------|---------------|-----------------|-------------|
| IC11501015 | 15-19 | 3/8 | 10 | 15 | M8/M10 | 81 | 55 | 35 | 30 x 2.5 | 200 | 25 |
| IC11501022 | 20-25 | 1/2 | 15 | 22 | M8/M10 | 84 | 58 | 37 | 30 x 2.5 | 200 | 25 |
| IC11501028 | 26-30 | 3/4 | 20 | 28 | M8/M10 | 91 | 64 | 40 | 30 x 2.5 | 200 | 25 |
| IC11501035 | 32-36 | 1 | 25 | 35 | M8/M10 | 98 | 70 | 43 | 30 x 2.5 | 200 | 25 |
| IC11501042 | 40-45 | 1 1/4 | 32 | 42 | M8/M10 | 109 | 80 | 48 | 30 x 2.5 | 200 | 25 |
| IC11501048 | 46-51 | 1 1/2 | 40 | 48 | M8/M10 | 115 | 86 | 51 | 30 x 2.5 | 200 | 25 |
| IC11501054 | 53-59 | - | - | 54 | M8/M10 | 122 | 93 | 55 | 30 x 2.5 | 200 | 25 |
| IC11501060 | 60-64 | 2 | 50 | 60 | M8/M10 | 129 | 99 | 57 | 30 x 2.5 | 200 | 25 |
| IC11501070 | 65-72 | - | - | 70 | M10/M12 | 136 | 116 | 71 | 30 x 3.0 | 250 | 25 |
| IC11501075 | 74-80 | 2 1/2 | 65 | 75 | M10/M12 | 144 | 123 | 74 | 30 x 3.0 | 250 | 25 |
| IC11501083 | 81-86 | - | - | 83 | M10/M12 | 152 | 130 | 78 | 30 x 3.0 | 250 | 25 |
| IC11501090 | 87-92 | 3 | 80 | 90 | M10/M12 | 159 | 136 | 81 | 30 x 3.0 | 250 | 25 |
| IC11501100 | 99-109 | 3 1/2 | - | 100 | M10/M12 | 175 | 154 | 90 | 30 x 3.0 | 250 | 25 |
| IC11501115 | 109-116 | 4 | 100 | 115 | M10/M12 | 182 | 160 | 93 | 30 x 3.0 | 250 | 25 |
| IC11501125 | 125-133 | - | - | 125 | M10/M12 | 200 | 178 | 102 | 30 x 3.0 | 250 | 25 |
| IC11501140 | 132-140 | - | - | 133 | M10/M12 | 207 | 184 | 104 | 30 x 3.0 | 250 | 25 |
| IC11501168 | 159-169 | 6 | 150 | 168 | M12,M16 | 254 | 220 | 120 | 38 x 4.0 | 380 | 15 |
| IC11501183 | 178-188 | - | - | 183 | M12,M16 | 274 | 239 | 130 | 38 x 4.0 | 380 | 15 |
| IC11501203 | 194-204 | - | - | 203 | M12,M16 | 290 | 255 | 138 | 38 x 4.0 | 380 | 15 |
| IC11501210 | 203-213 | - | - | 210 | M12,M16 | 299 | 264 | 143 | 38 x 4.0 | 380 | 15 |
| IC11501220 | 217-227 | 8 | 200 | 220 | M12,M16 | 322 | 278 | 150 | 38 x 4.0 | 380 | 2 |
| IC11501250 | 240-250 | - | - | 250 | M16 | 345 | 302 | 163 | 38 x 4.0 | 380 | 2 |
| IC11501273 | 265-275 | 10 | 250 | 273 | M16 | 367 | 327 | 175 | 48 x 5.0 | 920 | 2 |
| IC11501325 | 313-325 | 12 | 300 | 325 | M16 | 414 | 374 | 198 | 48 x 5.0 | 920 | 2 |
| IC11501364 | 354-364 | 14 | 350 | 364 | M16 | 453 | 412 | 217 | 48 x 5.0 | 920 | 2 |
| IC11501408 | 398-410 | 16 | 400 | 408 | M16 | 497 | 456 | 239 | 48 x 5.0 | 920 | 2 |
| IC11501458 | 445-460 | 18 | 450 | 458 | M16 | 548 | 506 | 264 | 48 x 5.0 | 920 | 2 |
| IC11501509 | 499-510 | 18 | 500 | 509 | M16 | 557 | 557 | 289 | 48 x 5.0 | 920 | 2 |

Note: Hot-dip galvanized and stainless steel options are available on request.

HEAVY DUTY SPLIT CLAMP

A



Material: Carbon Steel.

Coating: Zinc Plating $\geq 5 \mu\text{m}$ (ASTM B 633/EN ISO 2081)
Hot Dip Galvanized (ASTM A153/EN ISO 1461)
Armor X 20

Standards Compliance: Meets MSS SP-58 for pipe supports.

High Load Capacity: Reinforced lock bolts ensure reliable support.

Corrosion Resistance: Different coating options make it suitable for indoor and outdoor & Coastal environments.

Versatility: Suitable for horizontal and vertical applications, compatible with rubber support inserts for chilled water pipes.

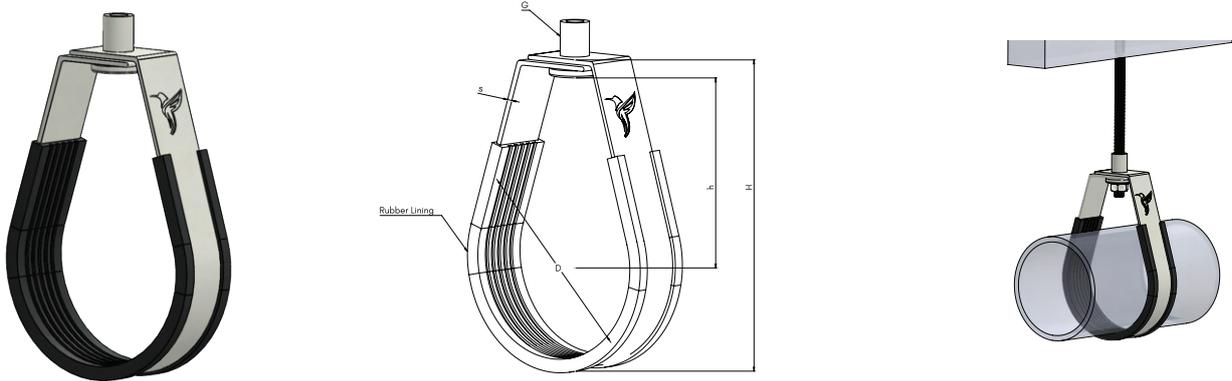
Easy Installation: Large opening angle with anti-loss screws for efficient setup.

| Part No. | D (mm) | Size (inch) | - DN | Dia (mm) | G | B (mm) | H (mm) | h (mm) | b x s (mm) | Rec. Load KG | Qty Pack |
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| IC12501015 | 15-19 | 3/8 | 10 | 15 | M8/M10 | 81 | 55 | 35 | 30 x 2.5 | 200 | 25 |
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| IC12501028 | 26-30 | 3/4 | 20 | 28 | M8/M10 | 91 | 64 | 40 | 30 x 2.5 | 200 | 25 |
| IC12501035 | 32-36 | 1 | 25 | 35 | M8/M10 | 98 | 70 | 43 | 30 x 2.5 | 200 | 25 |
| IC12501042 | 40-45 | 1 1/4 | 32 | 42 | M8/M10 | 109 | 80 | 48 | 30 x 2.5 | 200 | 25 |
| IC12501048 | 46-51 | 1 1/2 | 40 | 48 | M8/M10 | 115 | 86 | 51 | 30 x 2.5 | 200 | 25 |
| IC12501054 | 53-59 | - | - | 54 | M8/M10 | 122 | 93 | 55 | 30 x 2.5 | 200 | 25 |
| IC12501060 | 60-64 | 2 | 50 | 60 | M8/M10 | 129 | 99 | 57 | 30 x 2.5 | 200 | 25 |
| IC12501070 | 65-72 | - | - | 70 | M10/M12 | 136 | 116 | 71 | 30 x 3.0 | 250 | 25 |
| IC12501075 | 74-80 | 2 1/2 | 65 | 75 | M10/M12 | 144 | 123 | 74 | 30 x 3.0 | 250 | 25 |
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| IC12501090 | 87-92 | 3 | 80 | 90 | M10/M12 | 159 | 136 | 81 | 30 x 3.0 | 250 | 25 |
| IC12501100 | 99-109 | 3 1/2 | - | 100 | M10/M12 | 175 | 154 | 90 | 30 x 3.0 | 250 | 25 |
| IC12501115 | 109-116 | 4 | 100 | 115 | M10/M12 | 182 | 160 | 93 | 30 x 3.0 | 250 | 25 |
| IC12501125 | 125-133 | - | - | 125 | M10/M12 | 200 | 178 | 102 | 30 x 3.0 | 250 | 25 |
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| IC12501168 | 159-169 | 6 | 150 | 168 | M12,M16 | 254 | 220 | 120 | 38 x 4.0 | 380 | 15 |
| IC12501183 | 178-188 | - | - | 183 | M12,M16 | 274 | 239 | 130 | 38 x 4.0 | 380 | 15 |
| IC12501203 | 194-204 | - | - | 203 | M12,M16 | 290 | 255 | 138 | 38 x 4.0 | 380 | 15 |
| IC12501210 | 203-213 | - | - | 210 | M12,M16 | 299 | 264 | 143 | 38 x 4.0 | 380 | 15 |
| IC12501220 | 217-227 | 8 | 200 | 220 | M12,M16 | 322 | 278 | 150 | 38 x 4.0 | 380 | 2 |
| IC12501250 | 240-250 | - | - | 250 | M16 | 345 | 302 | 163 | 38 x 4.0 | 380 | 2 |
| IC12501273 | 265-275 | 10 | 250 | 273 | M16 | 367 | 327 | 175 | 48 x 5.0 | 920 | 2 |
| IC12501315 | 313-325 | 12 | 300 | 323 | M16 | 414 | 374 | 198 | 48 x 5.0 | 920 | 2 |
| IC12501315 | 354-364 | 14 | 350 | 360 | M16 | 453 | 412 | 217 | 48 x 5.0 | 920 | 2 |
| IC12501315 | 398-410 | 16 | 400 | 406 | M16 | 497 | 456 | 239 | 48 x 5.0 | 920 | 2 |
| IC12501315 | 445-460 | 18 | 450 | 460 | M16 | 548 | 506 | 264 | 48 x 5.0 | 920 | 2 |
| IC12501315 | 499-510 | 18 | 500 | 509 | M16 | 557 | 557 | 289 | 48 x 5.0 | 920 | 2 |

Note: Hot-dip galvanized and stainless steel options are available on request.

RUBBER LINED SPRINKLER CLAMP

A



Material: Carbon Steel with EPDM Rubber Lining.
Coating: Zinc Plating $\geq 5 \mu\text{m}$ (ASTM B 633/EN ISO 2081)
 Hot Dip Galvanized (ASTM A153/EN ISO 1461)
 Armor X 20
Standards Compliance: Meets MSS SP-58 for pipe supports.

High Load Capacity: Reinforced lock bolts ensure reliable support.
Corrosion Resistance: Different coating options make it suitable for indoor and outdoor & Coastal environments.
Versatility: Suitable for horizontal and vertical applications, compatible with rubber support inserts for chilled water pipes.
Easy Installation: Large opening angle with anti-loss screws for efficient setup.



NOISE REDUCING

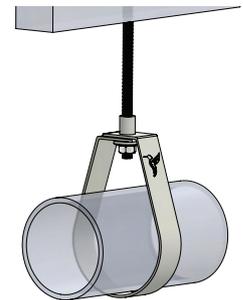
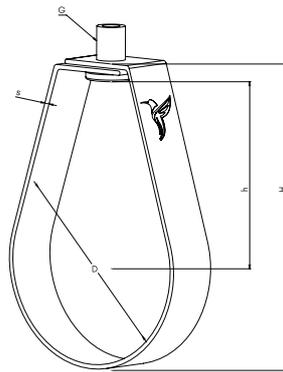
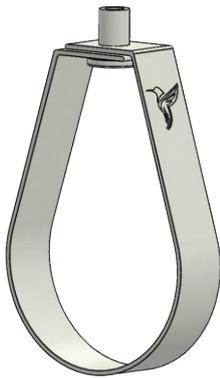
 Tested in accordance with
 ISO 3822-1

| Part No. | D (mm) | Size (inch) | G | h (mm) | b x s (mm) | Rec. Load KG | Qty BOX |
|------------|-----------|----------------|-----|-----------|---------------|-----------------|------------|
| IC11503028 | 28 | 3/4 | M10 | 61 | 20 x 1.5 | 300 | 400 |
| IC11503035 | 35 | 1 | M10 | 68 | 20 x 1.5 | 300 | 300 |
| IC11503040 | 42 | 1 1/4 | M10 | 71 | 20 x 1.5 | 300 | 250 |
| IC11503048 | 48 | 1 1/2 | M10 | 81 | 20 x 1.5 | 300 | 200 |
| IC11503060 | 60 | 2 | M10 | 100 | 20 x 1.5 | 300 | 180 |
| IC11503076 | 73 | 2 1/2 | M10 | 120 | 32 x 2.0 | 450 | 75 |
| IC11503090 | 89 | 3 | M10 | 135 | 32 x 2.0 | 450 | 60 |
| IC11503100 | 105 | 3 1/2 | M10 | 150 | 32 x 2.0 | 450 | 40 |
| IC11503115 | 115 | 4 | M10 | 165 | 32 x 2.5 | 550 | 40 |
| IC11503140 | 140 | 5 | M12 | 195 | 40 x 2.5 | 650 | 25 |
| IC11503168 | 168 | 6 | M12 | 320 | 40 x 3.0 | 750 | 20 |
| IC11503219 | 219 | 8 | M12 | 290 | 50 x 3.0 | 900 | 10 |
| IC11503273 | 273 | 10 | M12 | 315 | 50 x 3.0 | 900 | 8 |

Note: Hot-dip galvanized and stainless steel options are available on request.

SPRINKLER CLAMP

A



Material: Carbon Steel.

Coating: Zinc Plating $\geq 5 \mu\text{m}$ (ASTM B 633/EN ISO 2081)
Hot Dip Galvanized (ASTM A153/EN ISO 1461)
Armor X 20

Standards Compliance: Meets MSS SP-58 for pipe supports.

High Load Capacity: Reinforced lock bolts ensure reliable support.

Corrosion Resistance: Different coating options make it suitable for indoor and outdoor & Coastal environments.

Versatility: Suitable for horizontal and vertical applications, compatible with rubber support inserts for chilled water pipes.

Easy Installation: Large opening angle with anti-loss screws for efficient setup.

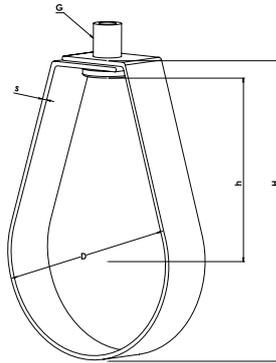


| Part No. | D (mm) | Size (inch) | G | h (mm) | b x s (mm) | Rec. Load KG | Qty BOX |
|------------|-----------|----------------|-----|-----------|---------------|-----------------|------------|
| IC12503028 | 28 | 3/4 | M10 | 61 | 20 x 1.5 | 300 | 400 |
| IC12503035 | 35 | 1 | M10 | 68 | 20 x 1.5 | 300 | 300 |
| IC12503040 | 42 | 1 1/4 | M10 | 71 | 20 x 1.5 | 300 | 250 |
| IC12503048 | 48 | 1 1/2 | M10 | 81 | 20 x 1.5 | 300 | 200 |
| IC12503060 | 60 | 2 | M10 | 100 | 20 x 1.5 | 300 | 180 |
| IC12503076 | 73 | 2 1/2 | M10 | 120 | 32 x 2.0 | 450 | 75 |
| IC12503090 | 89 | 3 | M10 | 135 | 32 x 2.0 | 450 | 60 |
| IC12503100 | 105 | 3 1/2 | M10 | 150 | 32 x 2.0 | 450 | 40 |
| IC12503115 | 115 | 4 | M10 | 165 | 32 x 2.5 | 550 | 40 |
| IC12503140 | 140 | 5 | M12 | 195 | 40 x 2.5 | 650 | 25 |
| IC12503168 | 168 | 6 | M12 | 320 | 40 x 3.0 | 750 | 20 |
| IC12503219 | 219 | 8 | M12 | 290 | 50 x 3.0 | 900 | 10 |
| IC12503273 | 273 | 10 | M12 | 315 | 50 x 3.0 | 900 | 8 |

Note: Hot-dip galvanized and stainless steel options are available on request.

P1 SERIES SPRINKLER CLAMP

A



Material: Carbon Steel.

Coating: Zinc Plating $\geq 5 \mu\text{m}$ (ASTM B 633/EN ISO 2081)
Hot Dip Galvanized (ASTM A153/EN ISO 1461)
Armor X 20

Standards Compliance: Meets MSS SP-58 for pipe supports.

High Load Capacity: Reinforced lock bolts ensure reliable support.

Corrosion Resistance: Different coating options make it suitable for indoor and outdoor & Coastal environments.

Versatility: Suitable for horizontal and vertical applications, compatible with rubber support inserts for chilled water pipes.

Easy Installation: Large opening angle with anti-loss screws for efficient setup.



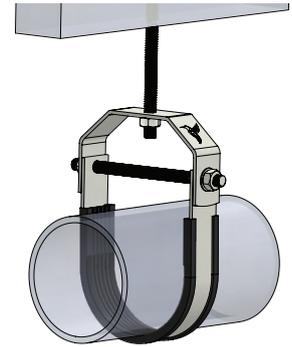
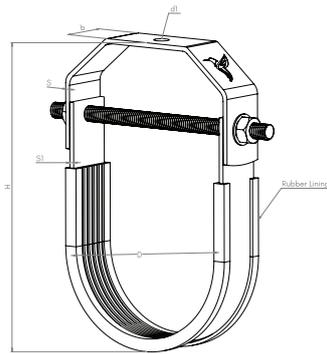
| Part No. | D (mm) | Size (inch) | G | h (mm) | b x s (mm) | Rec. Load KG | Qty BOX | Approval |
|----------|-----------|----------------|-----|-----------|---------------|-----------------|------------|----------|
| S-050 | 21.4 | 1/2 | M10 | 61 | 16 x 1.2 | 300 | 300 | UL/FM |
| S-075 | 26.7 | 3/4 | M10 | 61 | 16 x 1.2 | 300 | 200 | UL/FM |
| S-100 | 33.4 | 1 | M10 | 68 | 16 x 1.2 | 300 | 200 | UL/FM |
| S-125 | 42.2 | 1 1/4 | M10 | 71 | 16 x 1.2 | 300 | 150 | UL/FM |
| S-150 | 48.3 | 1 1/2 | M10 | 81 | 16 x 1.2 | 300 | 100 | UL/FM |
| S-200 | 60.4 | 2 | M10 | 100 | 16 x 1.2 | 300 | 100 | UL/FM |
| S-250 | 73.1 | 2 1/2 | M10 | 120 | 22 x 1.5 | 450 | 60 | UL/FM |
| S-300 | 88.9 | 3 | M10 | 135 | 22 x 1.5 | 450 | 40 | UL/FM |
| S-350 | 101.6 | 3 1/2 | M10 | 150 | 22 x 1.5 | 450 | 35 | UL/FM |
| S-400 | 114.3 | 4 | M10 | 165 | 22 x 1.5 | 550 | 30 | UL/FM |
| S-500 | 141.3 | 5 | M12 | 195 | 19 x 2.5 | 650 | 25 | UL/FM |
| S-600 | 168.3 | 6 | M12 | 320 | 19 x 2.5 | 750 | 20 | UL/FM |
| S-800 | 219.1 | 8 | M12 | 290 | 19/25 x 2.5 | 900 | 40 | FM |

The P1 series of FM/UL-approved Sprinkler Clamps (Swivel Band Hangers, Model S) is manufactured in China.

Note: Hot-dip galvanized and stainless steel options are available on request.

RUBBER LINED CLEVIS HANGER

A



Material: Carbon Steel with EPDM Rubber Lining.
Coating: Zinc Plating $\geq 5 \mu\text{m}$ (ASTM B 633/EN ISO 2081)
 Hot Dip Galvanized (ASTM A153/EN ISO 1461)
 Armor X 20
Standards Compliance: Meets MSS SP-58 for pipe supports.

High Load Capacity: Reinforced lock bolts ensure reliable support.
Corrosion Resistance: Different coating options make it suitable for indoor and outdoor & Coastal environments.
Versatility: Suitable for horizontal and vertical applications, compatible with rubber support inserts for chilled water pipes.
Easy Installation: Large opening angle with anti-loss screws for efficient setup.



NOISE REDUCING

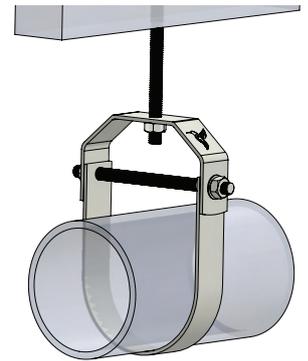
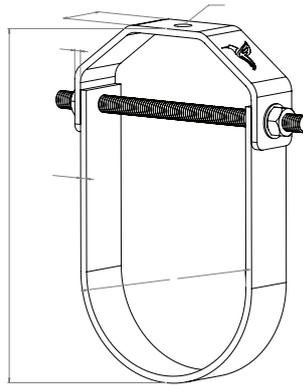
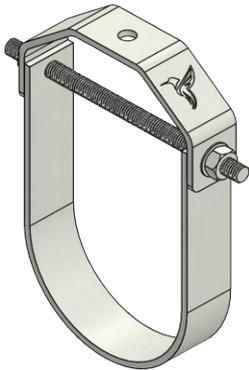
 Tested in accordance with ISO 9822-1

| Part No. | D (mm) | Size (inch) | BOLT (mm) | H (mm) | b (mm) | s (mm) | s1 (mm) | d1 (mm) | Rec. Load KG | Qty BOX |
|------------|--------|-------------|-----------|--------|--------|--------|---------|---------|--------------|---------|
| IC11504022 | 22 | 1/2 | M8 x 60 | 73 | 25 | 3.00 | 3.00 | 10 | 400 | 125 |
| IC11504028 | 28 | 3/4 | M8 x 68 | 79 | 25 | 3.00 | 3.00 | 10 | 400 | 125 |
| IC11504035 | 35 | 1 | M8 x 78 | 85 | 25 | 3.00 | 3.00 | 10 | 400 | 125 |
| IC11504040 | 40 | 1 1/4 | M8 x 82 | 95 | 25 | 3.00 | 3.00 | 10 | 400 | 125 |
| IC11504048 | 48 | 1 1/2 | M8 x 88 | 103 | 25 | 3.00 | 3.00 | 10 | 400 | 100 |
| IC11504060 | 60 | 2 | M10 x 110 | 120 | 25 | 3.00 | 3.00 | 10 | 400 | 75 |
| IC11504073 | 73 | 2 1/2 | M10 x 125 | 149 | 25 | 4.00 | 4.00 | 10 | 650 | 60 |
| IC11504089 | 89 | 3 | M10 x 140 | 176 | 25 | 4.00 | 4.00 | 10 | 650 | 50 |
| IC11504105 | 105 | 3 1/2 | M10 x 155 | 176 | 25 | 4.00 | 4.00 | 10 | 650 | 40 |
| IC11504115 | 115 | 4 | M10 x 170 | 201 | 32 | 6.00 | 6.00 | 10 | 800 | 20 |
| IC11504140 | 140 | 5 | M12 x 195 | 235 | 32 | 6.00 | 6.00 | 12 | 800 | 15 |
| IC11504168 | 168 | 6 | M12 x 225 | 269 | 40 | 6.00 | 6.00 | 12 | 1100 | 10 |
| IC11504219 | 219 | 8 | M12 x 275 | 341 | 40 | 6.00 | 6.00 | 12 | 1100 | 15 |
| IC11504273 | 273 | 10 | M16 x 360 | 422 | 40 | 6.00 | 6.00 | 16 | 1100 | 10 |
| IC11504323 | 323 | 12 | M20 x 420 | 493 | 50 | 9.00 | 6.00 | 20 | 1500 | 6 |
| IC11504355 | 355 | 14 | M20 x 455 | 559 | 50 | 9.00 | 6.00 | 20 | 1500 | 6 |
| IC11504406 | 406 | 16 | M24 x 510 | 613 | 65 | 12.00 | 6.00 | 24 | 1750 | 3 |
| IC11504457 | 457 | 18 | M24 x 555 | 678 | 65 | 12.00 | 6.00 | 24 | 1750 | 3 |
| IC11504508 | 508 | 20 | M24 x 610 | 718 | 75 | 12.00 | 9.00 | 30 | 2200 | 2 |
| IC11504610 | 610 | 24 | M24 x 710 | 853 | 75 | 16.00 | 9.00 | 30 | 2700 | 2 |
| IC11504755 | 755 | 30 | M24 x 890 | 998 | 75 | 19.00 | 9.00 | 30 | 3000 | 1 |

Note: Hot-dip galvanized and stainless steel options are available on request.

CLEVIS HANGER

A



Material: Carbon Steel.

Coating: Zinc Plating $\geq 5 \mu\text{m}$ (ASTM B 633/EN ISO 2081)

Hot Dip Galvanized (ASTM A153/EN ISO 1461)

Armor X 20

Standards Compliance: Meets MSS SP-58 for pipe supports.

High Load Capacity: Reinforced lock bolts ensure reliable support.

Corrosion Resistance: Different coating options make it suitable for indoor and outdoor & Coastal environments.

Versatility: Suitable for horizontal and vertical applications, compatible with rubber support inserts for chilled water pipes.

Easy Installation: Large opening angle with anti-loss screws for efficient setup.

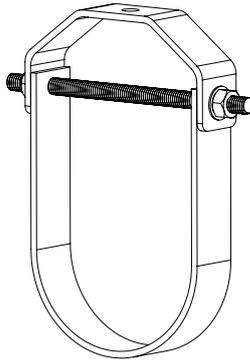
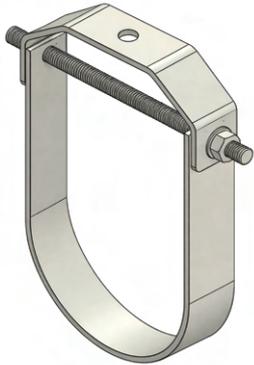


| Part No. | D (mm) | Size (inch) | BOLT (mm) | H (mm) | b (mm) | s (mm) | s1 (mm) | d1 (mm) | Rec. Load KG | Qty BOX |
|------------|-----------|----------------|--------------|-----------|-----------|-----------|------------|------------|-----------------|------------|
| IC12504022 | 22 | 1/2 | M8 x 60 | 73 | 25 | 3.00 | 3.00 | 10 | 400 | 125 |
| IC12504028 | 28 | 3/4 | M8 x 68 | 79 | 25 | 3.00 | 3.00 | 10 | 400 | 125 |
| IC12504035 | 35 | 1 | M8 x 78 | 85 | 25 | 3.00 | 3.00 | 10 | 400 | 125 |
| IC12504040 | 40 | 1 1/4 | M8 x 82 | 95 | 25 | 3.00 | 3.00 | 10 | 400 | 125 |
| IC12504048 | 48 | 1 1/2 | M8 x 88 | 103 | 25 | 3.00 | 3.00 | 10 | 400 | 100 |
| IC12504060 | 60 | 2 | M10 x 110 | 120 | 25 | 3.00 | 3.00 | 10 | 400 | 75 |
| IC12504073 | 73 | 2 1/2 | M10 x 125 | 149 | 25 | 4.00 | 4.00 | 10 | 650 | 60 |
| IC12504089 | 89 | 3 | M10 x 140 | 176 | 25 | 4.00 | 4.00 | 10 | 650 | 50 |
| IC12504105 | 105 | 3 1/2 | M10 x 155 | 176 | 25 | 4.00 | 4.00 | 10 | 650 | 40 |
| IC12504115 | 115 | 4 | M10 x 170 | 201 | 32 | 6.00 | 6.00 | 10 | 800 | 20 |
| IC12504140 | 140 | 5 | M12 x 195 | 235 | 32 | 6.00 | 6.00 | 12 | 800 | 15 |
| IC12504168 | 168 | 6 | M12 x 225 | 269 | 40 | 6.00 | 6.00 | 12 | 1100 | 10 |
| IC12504219 | 219 | 8 | M12 x 275 | 341 | 40 | 6.00 | 6.00 | 12 | 1100 | 15 |
| IC12504273 | 273 | 10 | M16 x 360 | 422 | 40 | 6.00 | 6.00 | 16 | 1100 | 10 |
| IC12504323 | 323 | 12 | M20 x 420 | 493 | 50 | 9.00 | 6.00 | 20 | 1500 | 6 |
| IC12504355 | 355 | 14 | M20 x 455 | 559 | 50 | 9.00 | 6.00 | 20 | 1500 | 6 |
| IC12504406 | 406 | 16 | M24 x 510 | 613 | 65 | 12.00 | 6.00 | 24 | 1750 | 3 |
| IC12504457 | 457 | 18 | M24 x 555 | 678 | 65 | 12.00 | 6.00 | 24 | 1750 | 3 |
| IC12504508 | 508 | 20 | M24 x 610 | 718 | 75 | 12.00 | 9.00 | 30 | 2200 | 2 |
| IC12504610 | 610 | 24 | M24 x 710 | 853 | 75 | 16.00 | 9.00 | 30 | 2700 | 2 |
| IC12504755 | 755 | 30 | M24 x 890 | 998 | 75 | 19.00 | 9.00 | 30 | 3000 | 1 |

Note: Hot-dip galvanized and stainless steel options are available on request.

CLEVIS HANGER HDCH SERIES

A



Material: Carbon Steel.

Coating: Zinc Plating $\geq 5 \mu\text{m}$ (ASTM B 633/EN ISO 2081)
Hot Dip Galvanized (ASTM A153/EN ISO 1461)
Armor X 20

Standards Compliance: Meets MSS SP-58 for pipe supports.

High Load Capacity: Reinforced lock bolts ensure reliable support.

Corrosion Resistance: Different coating options make it suitable for indoor and outdoor & Coastal environments.

Versatility: Suitable for horizontal and vertical applications, compatible with rubber support inserts for chilled water pipes.

Easy Installation: Large opening angle with anti-loss screws for efficient setup.



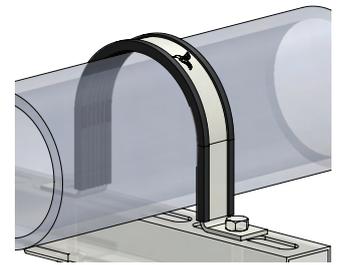
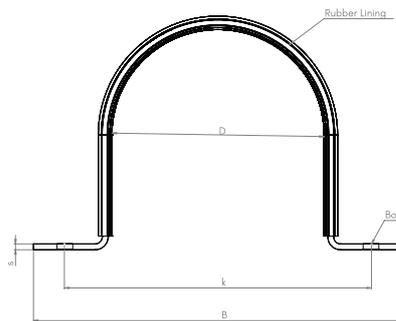
| Part No. | D (mm) | Size (inch) | BOLT (mm) | H (mm) | b (mm) | s (mm) | s1 (mm) | d1 (mm) | Rec. Load KG | Qty BOX |
|----------|--------|-------------|-----------|--------|--------|--------|---------|---------|--------------|---------|
| HDCH-050 | 22 | 1/2 | M8 x 60 | 73 | 25 | 3.00 | 3.00 | 10 | 400 | 125 |
| HDCH-075 | 28 | 3/4 | M8 x 68 | 79 | 25 | 3.00 | 3.00 | 10 | 400 | 125 |
| HDCH-100 | 35 | 1 | M8 x 78 | 85 | 25 | 3.00 | 3.00 | 10 | 400 | 125 |
| HDCH-125 | 40 | 1 1/4 | M8 x 82 | 95 | 25 | 3.00 | 3.00 | 10 | 400 | 125 |
| HDCH-150 | 48 | 1 1/2 | M8 x 88 | 103 | 25 | 3.00 | 3.00 | 10 | 400 | 100 |
| HDCH-200 | 60 | 2 | M10 x 110 | 120 | 25 | 3.00 | 3.00 | 10 | 400 | 75 |
| HDCH-250 | 73 | 2 1/2 | M10 x 125 | 149 | 25 | 4.00 | 4.00 | 10 | 650 | 60 |
| HDCH-300 | 89 | 3 | M10 x 140 | 176 | 25 | 4.00 | 4.00 | 10 | 650 | 50 |
| HDCH-350 | 105 | 3 1/2 | M10 x 155 | 176 | 25 | 4.00 | 4.00 | 10 | 650 | 40 |
| HDCH-400 | 115 | 4 | M10 x 170 | 201 | 32 | 6.00 | 6.00 | 10 | 800 | 20 |
| HDCH-500 | 140 | 5 | M12 x 195 | 235 | 32 | 6.00 | 6.00 | 12 | 800 | 15 |
| HDCH-600 | 168 | 6 | M12 x 225 | 269 | 40 | 6.00 | 6.00 | 12 | 1100 | 10 |

The HDCH series of FM/UL-approved Clevis Hanger Clamps (Swivel Band Hangers, Model S) is manufactured in China.

Note: Hot-dip galvanized and stainless steel options are available on request.

RUBBER LINED U STRAP

A



Material: Carbon Steel with EPDM Rubber Lining.
Coating: Zinc Plating $\geq 5 \mu\text{m}$ (ASTM B 633/EN ISO 2081)
 Hot Dip Galvanized (ASTM A153/EN ISO 1461)
 Armor X 20
Standards Compliance: Meets MSS SP-58 for pipe supports.

High Load Capacity: Reinforced lock bolts ensure reliable support.
Corrosion Resistance: Different coating options make it suitable for indoor and outdoor & Coastal environments.
Versatility: Suitable for horizontal and vertical applications, compatible with rubber support inserts for chilled water pipes.
Easy Installation: Large opening angle with anti-loss screws for efficient setup.

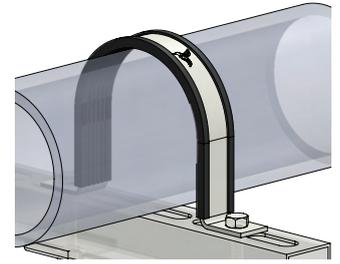
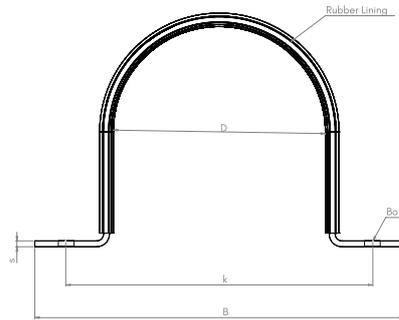


| Part No. | D (mm) | Size (inch) | BOLT (mm) | B (mm) | b x s (mm) | k (mm) | Rec. Load KG | Qty Pack |
|-------------|--------|-------------|-----------|--------|------------|--------|--------------|----------|
| IC11505022 | 22 | 1/2 | M8 | 79 | 25 x 2.0 | 54.00 | 550 | 500 |
| IC11505028 | 28 | 3/4 | M8 | 85 | 25 x 2.0 | 60.00 | 550 | 400 |
| IC11505035 | 35 | 1 | M8 | 92 | 25 x 2.0 | 67.00 | 550 | 400 |
| IC11505040 | 40 | 1 1/4 | M8 | 99 | 25 x 2.0 | 74.00 | 550 | 350 |
| IC11505048 | 48 | 1 1/2 | M8 | 105 | 25 x 2.0 | 80.00 | 550 | 300 |
| IC11505054 | 54 | - | M8 | 111 | 25 x 2.0 | 86.00 | 550 | 250 |
| IC11505060 | 60 | 2 | M8 | 117 | 25 x 2.0 | 92.00 | 550 | 200 |
| IC11505067 | 67 | - | M8 | 124 | 25 x 2.0 | 99.00 | 550 | 200 |
| IC11505075 | 75 | 2 1/2 | M8 | 148 | 25 x 3.0 | 116.00 | 650 | 150 |
| IC11505082 | 82 | - | M8 | 155 | 25 x 3.0 | 123.00 | 650 | 150 |
| IC11505090 | 90 | 3 | M8 | 163 | 25 x 3.0 | 131.00 | 650 | 150 |
| IC115050100 | 100 | 3 1/2 | M8 | 173 | 25 x 3.0 | 141.00 | 650 | 150 |
| IC11505108 | 108 | - | M8 | 181 | 25 x 3.0 | 149.00 | 650 | 125 |
| IC11505115 | 115 | 4 | M8 | 188 | 25 x 3.0 | 156.00 | 650 | 125 |
| IC11505126 | 126 | - | M10 | 199 | 25 x 3.0 | 167.00 | 650 | 125 |
| IC11505140 | 140 | 5 | M10 | 213 | 25 x 3.0 | 181.00 | 650 | 100 |
| IC11505148 | 148 | - | M10 | 221 | 25 x 3.0 | 189.00 | 650 | 100 |
| IC11505155 | 155 | - | M10 | 228 | 25 x 3.0 | 196.00 | 650 | 100 |
| IC11505168 | 168 | 6 | M10 | 240 | 25 x 3.0 | 208.00 | 650 | 100 |
| IC11505179 | 179 | - | M10 | 252 | 25 x 3.0 | 220.00 | 650 | 100 |
| IC11505190 | 190 | - | M10 | 263 | 38 x 3.0 | 231.00 | 900 | 50 |
| IC11505205 | 205 | - | M10 | 278 | 38 x 3.0 | 246.00 | 900 | 50 |
| IC11505219 | 219 | 8 | M10 | 292 | 38 x 3.0 | 260.00 | 900 | 50 |
| IC11505230 | 230 | - | M10 | 303 | 38 x 3.0 | 271.00 | 900 | 30 |

Note: Hot-dip galvanized and stainless steel options are available on request.

RUBBER LINED U STRAP

A



Material: Carbon Steel with EPDM Rubber Lining.

Coating: Zinc Plating $\geq 5 \mu\text{m}$ (ASTM B 633/EN ISO 2081)
Hot Dip Galvanized (ASTM A153/EN ISO 1461)
Armor X 20

Standards Compliance: Meets MSS SP-58 for pipe supports.

High Load Capacity: Reinforced lock bolts ensure reliable support.

Corrosion Resistance: Different coating options make it suitable for indoor and outdoor & Coastal environments.

Versatility: Suitable for horizontal and vertical applications, compatible with rubber support inserts for chilled water pipes.

Easy Installation: Large opening angle with anti-loss screws for efficient setup.

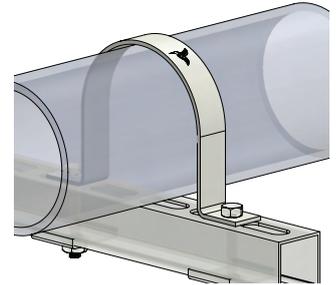
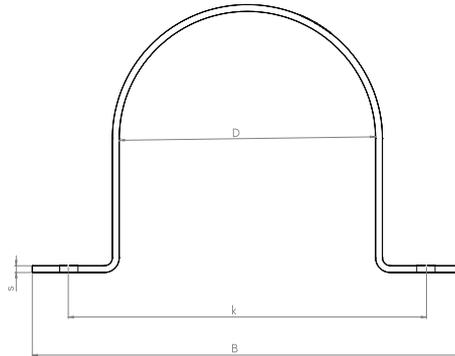


| Part No. | D (mm) | Size (inch) | BOLT (mm) | B (mm) | b x s (mm) | k (mm) | Rec. Load KG | Qty Pack |
|------------|-----------|----------------|--------------|-----------|---------------|-----------|-----------------|-------------|
| IC11505241 | 241 | - | M12 | 335 | 38 x 4.0 | 294 | 1350 | 35 |
| IC11505263 | 263 | - | M12 | 357 | 38 x 4.0 | 316 | 1350 | 35 |
| IC11505273 | 273 | 10 | M18 | 367 | 38 x 4.0 | 326 | 1350 | 35 |
| IC11505295 | 295 | - | M18 | 389 | 38 x 4.0 | 348 | 1350 | 30 |
| IC11505323 | 323 | 12 | M18 | 417 | 38 x 4.0 | 376 | 1350 | 30 |
| IC11505356 | 256 | 14 | M18 | 450 | 50 x 4.0 | 409 | 1900 | 20 |
| IC11505374 | 374 | - | M18 | 468 | 50 x 4.0 | 427 | 1900 | 15 |
| IC11505406 | 406 | 16 | M18 | 500 | 50 x 4.0 | 459 | 1900 | 15 |
| IC11505432 | 432 | - | M18 | 526 | 50 x 4.0 | 485 | 1900 | 15 |
| IC11505456 | 456 | 18 | M18 | 550 | 50 x 4.0 | 509 | 1900 | 10 |
| IC11505482 | 482 | - | M18 | 576 | 50 x 4.0 | 535 | 1900 | 10 |
| IC11505508 | 508 | 20 | M18 | 602 | 50 x 4.0 | 561 | 1900 | 10 |
| IC11505533 | 533 | - | M18 | 627 | 50 x 4.0 | 586 | 1900 | 10 |
| IC11505559 | 559 | - | M18 | 653 | 50 x 4.0 | 612 | 1900 | 10 |
| IC11505583 | 583 | - | M18 | 677 | 50 x 4.0 | 636 | 1900 | 10 |
| IC11505610 | 610 | 24 | M18 | 704 | 60 x 4.0 | 663 | 1900 | 10 |
| IC11505658 | 658 | - | M18 | 769 | 50 x 6.0 | 721 | 2400 | 5 |
| IC11505690 | 690 | - | M18 | 801 | 50 x 6.0 | 753 | 2400 | 5 |
| IC11505760 | 760 | - | M18 | 870 | 50 x 6.0 | 823 | 2400 | 5 |
| IC11505863 | 863 | - | M18 | 974 | 50 x 6.0 | 926 | 2400 | 5 |
| IC11505918 | 918 | - | M18 | 1029 | 50 x 6.0 | 981 | 2400 | 5 |

Note: Hot-dip galvanized and stainless steel options are available on request.

U STRAP

A



Material: Carbon Steel.

Coating: Zinc Plating $\geq 5 \mu\text{m}$ (ASTM B 633/EN ISO 2081)
Hot Dip Galvanized (ASTM A153/EN ISO 1461)
Armor X 20

Standards Compliance: Meets MSS SP-58 for pipe supports.

High Load Capacity: Reinforced lock bolts ensure reliable support.

Corrosion Resistance: Different coating options make it suitable for indoor and outdoor & Coastal environments.

Versatility: Suitable for horizontal and vertical applications, compatible with rubber support inserts for chilled water pipes.

Easy Installation: Large opening angle with anti-loss screws for efficient setup.

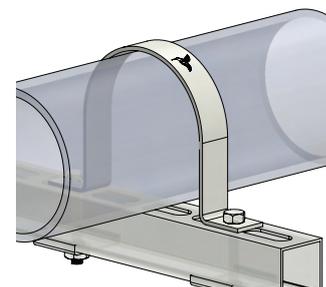
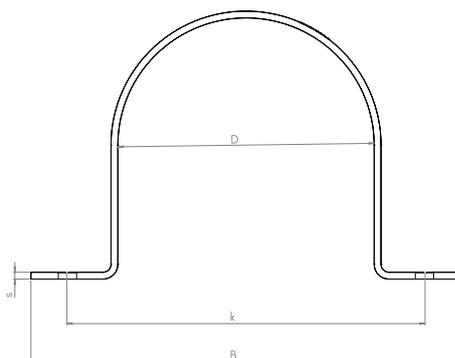


| Part No. | D (mm) | Size (inch) | BOLT (mm) | B (mm) | b x s (mm) | k (mm) | Rec. Load KG | Qty Pack |
|-------------|--------|-------------|-----------|--------|------------|--------|--------------|----------|
| IC12505022 | 22 | 1/2 | M8 | 79 | 25 x 2.0 | 54.00 | 550 | 500 |
| IC12505028 | 28 | 3/4 | M8 | 85 | 25 x 2.0 | 60.00 | 550 | 400 |
| IC12505035 | 35 | 1 | M8 | 92 | 25 x 2.0 | 67.00 | 550 | 400 |
| IC12505040 | 40 | 1 1/4 | M8 | 99 | 25 x 2.0 | 74.00 | 550 | 350 |
| IC12505048 | 48 | 1 1/2 | M8 | 105 | 25 x 2.0 | 80.00 | 550 | 300 |
| IC12505054 | 54 | - | M8 | 111 | 25 x 2.0 | 86.00 | 550 | 250 |
| IC12505060 | 60 | 2 | M8 | 117 | 25 x 2.0 | 92.00 | 550 | 200 |
| IC12505067 | 67 | - | M8 | 124 | 25 x 2.0 | 99.00 | 550 | 200 |
| IC12505075 | 75 | 2 1/2 | M8 | 148 | 25 x 3.0 | 116.00 | 650 | 150 |
| IC12505082 | 82 | - | M8 | 155 | 25 x 3.0 | 123.00 | 650 | 150 |
| IC12505090 | 90 | 3 | M8 | 163 | 25 x 3.0 | 131.00 | 650 | 150 |
| IC125050100 | 100 | 3 1/2 | M8 | 173 | 25 x 3.0 | 141.00 | 650 | 150 |
| IC125050108 | 108 | - | M8 | 181 | 25 x 3.0 | 149.00 | 650 | 125 |
| IC125050115 | 115 | 4 | M8 | 188 | 25 x 3.0 | 156.00 | 650 | 125 |
| IC125050126 | 126 | - | M10 | 199 | 25 x 3.0 | 167.00 | 650 | 125 |
| IC125050140 | 140 | 5 | M10 | 213 | 25 x 3.0 | 181.00 | 650 | 100 |
| IC125050148 | 148 | - | M10 | 221 | 25 x 3.0 | 189.00 | 650 | 100 |
| IC125050155 | 155 | - | M10 | 228 | 25 x 3.0 | 196.00 | 650 | 100 |
| IC125050168 | 168 | 6 | M10 | 240 | 25 x 3.0 | 208.00 | 650 | 100 |
| IC125050179 | 179 | - | M10 | 252 | 25 x 3.0 | 220.00 | 650 | 100 |
| IC125050190 | 190 | - | M10 | 263 | 38 x 3.0 | 231.00 | 900 | 50 |
| IC125050205 | 205 | - | M10 | 278 | 38 x 3.0 | 246.00 | 900 | 50 |
| IC125050219 | 219 | 8 | M10 | 292 | 38 x 3.0 | 260.00 | 900 | 50 |
| IC125050230 | 230 | - | M10 | 303 | 38 x 3.0 | 271.00 | 900 | 30 |

Note: Hot-dip galvanized and stainless steel options are available on request.

U STRAP

A



Material: Carbon Steel.

Coating: Zinc Plating $\geq 5 \mu\text{m}$ (ASTM B 633/EN ISO 2081)

Hot Dip Galvanized (ASTM A153/EN ISO 1461)

Armor X 20

Standards Compliance: Meets MSS SP-58 for pipe supports.

High Load Capacity: Reinforced lock bolts ensure reliable support.

Corrosion Resistance: Different coating options make it suitable for indoor and outdoor & Coastal environments.

Versatility: Suitable for horizontal and vertical applications, compatible with rubber support inserts for chilled water pipes.

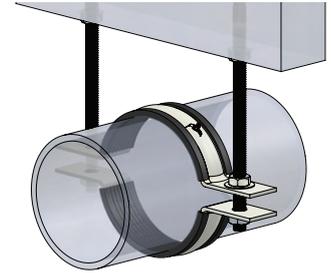
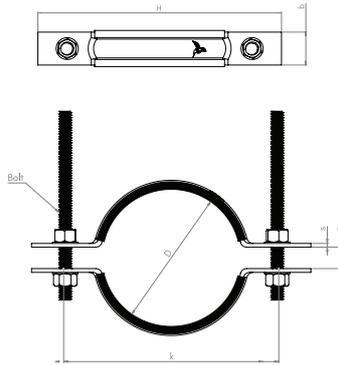
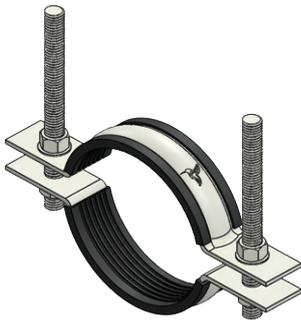
Easy Installation: Large opening angle with anti-loss screws for efficient setup.

| Part No. | D (mm) | Size (inch) | BOLT (mm) | B (mm) | b x s (mm) | k (mm) | Rec. Load KG | Qty Pack |
|------------|-----------|----------------|--------------|-----------|---------------|-----------|-----------------|-------------|
| IC12505241 | 241 | - | M12 | 335 | 38 x 4.0 | 294 | 1350 | 35 |
| IC12505263 | 263 | - | M12 | 357 | 38 x 4.0 | 316 | 1350 | 35 |
| IC12505273 | 273 | 10 | M18 | 367 | 38 x 4.0 | 326 | 1350 | 35 |
| IC12505295 | 295 | - | M18 | 389 | 38 x 4.0 | 348 | 1350 | 30 |
| IC12505323 | 323 | 12 | M18 | 417 | 38 x 4.0 | 376 | 1350 | 30 |
| IC12505356 | 256 | 14 | M18 | 450 | 50 x 4.0 | 409 | 1900 | 20 |
| IC12505374 | 374 | - | M18 | 468 | 50 x 4.0 | 427 | 1900 | 15 |
| IC12505406 | 406 | 16 | M18 | 500 | 50 x 4.0 | 459 | 1900 | 15 |
| IC12505432 | 432 | - | M18 | 526 | 50 x 4.0 | 485 | 1900 | 15 |
| IC12505456 | 456 | 18 | M18 | 550 | 50 x 4.0 | 509 | 1900 | 10 |
| IC12505482 | 482 | - | M18 | 576 | 50 x 4.0 | 535 | 1900 | 10 |
| IC12505508 | 508 | 20 | M18 | 602 | 50 x 4.0 | 561 | 1900 | 10 |
| IC12505533 | 533 | - | M18 | 627 | 50 x 4.0 | 586 | 1900 | 10 |
| IC12505559 | 559 | - | M18 | 653 | 50 x 4.0 | 612 | 1900 | 10 |
| IC12505583 | 583 | - | M18 | 677 | 50 x 4.0 | 636 | 1900 | 10 |
| IC12505610 | 610 | 24 | M18 | 704 | 60 x 4.0 | 663 | 1900 | 10 |
| IC12505658 | 658 | - | M18 | 769 | 50 x 6.0 | 721 | 2400 | 5 |
| IC12505690 | 690 | - | M18 | 801 | 50 x 6.0 | 753 | 2400 | 5 |
| IC12505760 | 760 | - | M18 | 870 | 50 x 6.0 | 823 | 2400 | 5 |
| IC12505863 | 863 | - | M18 | 974 | 50 x 6.0 | 926 | 2400 | 5 |
| IC12505918 | 918 | - | M18 | 1029 | 50 x 6.0 | 981 | 2400 | 5 |

Note: Hot-dip galvanized and stainless steel options are available on request.

RUBBER LINED TWO BOLT CLAMP

A



Material: Carbon Steel with EPDM Rubber Lining.
Coating: Zinc Plating $\geq 5 \mu\text{m}$ (ASTM B 633/EN ISO 2081)
 Hot Dip Galvanized (ASTM A153/EN ISO 1461)
 Armor X 20
Standards Compliance: Meets MSS SP-58 for pipe supports.

High Load Capacity: Reinforced lock bolts ensure reliable support.
Corrosion Resistance: Different coating options make it suitable for indoor and outdoor & Coastal environments.
Versatility: Suitable for horizontal and vertical applications, compatible with rubber support inserts for chilled water pipes.
Easy Installation: Large opening angle with anti-loss screws for efficient setup.

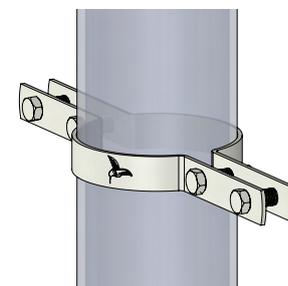
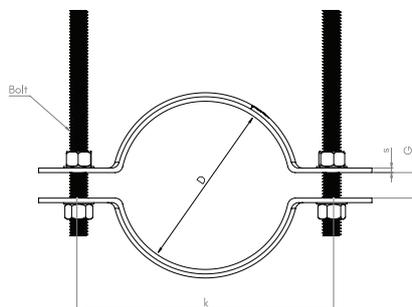
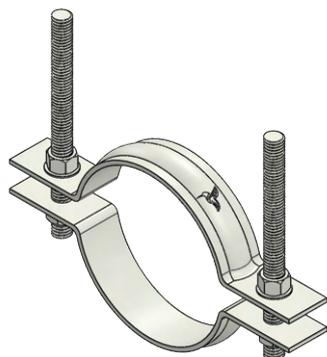


| Part No. | D (mm) | Size (inch) | BOLT (mm) | H (mm) | b x s (mm) | k (mm) | C (mm) | Rec. Load KG | Qty Pack |
|------------|--------|-------------|-----------|--------|------------|--------|--------|--------------|----------|
| IC11506022 | 22 | 1/2 | M10 | 97 | 25 x 5.0 | 68 | 12 | 170 | 60 |
| IC11506028 | 28 | 3/4 | M10 | 105 | 25 x 5.0 | 76 | 12 | 170 | 60 |
| IC11506035 | 35 | 1 | M10 | 113 | 25 x 5.0 | 84 | 12 | 170 | 50 |
| IC11506040 | 40 | 1 1/4 | M10 | 121 | 25 x 5.0 | 92 | 12 | 170 | 50 |
| IC11506048 | 48 | 1 1/2 | M10 | 127 | 25 x 5.0 | 98 | 12 | 170 | 40 |
| IC11506060 | 60 | 2 | M10 | 156 | 25 x 5.0 | 116 | 16 | 170 | 35 |
| IC11506075 | 75 | 2 1/2 | M12 | 182 | 25 x 6.0 | 142 | 16 | 400 | 35 |
| IC11506090 | 90 | 3 | M12 | 196 | 25 x 6.0 | 156 | 16 | 400 | 30 |
| IC11506100 | 100 | 3 1/2 | M12 | 208 | 25 x 6.0 | 168 | 16 | 400 | 30 |
| IC11506115 | 115 | 4 | M12 | 220 | 25 x 6.0 | 180 | 19 | 400 | 25 |
| IC11506140 | 140 | 5 | M16 | 252 | 40 x 6.0 | 214 | 19 | 600 | 20 |
| IC11506168 | 168 | 6 | M16 | 290 | 40 x 6.0 | 242 | 22 | 600 | 15 |
| IC11506220 | 220 | 8 | M16 | 352 | 40 x 6.0 | 152 | 25 | 1100 | 10 |
| IC11506273 | 273 | 10 | M16 | 406 | 50 x 9.0 | 358 | 25 | 1200 | 5 |
| IC11506323 | 323 | 12 | M20 | 490 | 50 x 12.0 | 430 | 25 | 1500 | 4 |
| IC11506355 | 355 | 14 | M20 | 546 | 50 x 12.0 | 480 | 28 | 1500 | 4 |
| IC11506406 | 406 | 16 | M20 | 597 | 60 x 16.0 | 532 | 28 | 2200 | 2 |
| IC11506457 | 457 | 18 | M20 | 686 | 60 x 16.0 | 610 | 32 | 2200 | 2 |
| IC11506508 | 508 | 20 | M20 | 776 | 60 x 16.0 | 680 | 35 | 2200 | 1 |
| IC11506610 | 610 | 24 | M20 | 876 | 60 x 16.0 | 780 | 42 | 2200 | 1 |

Note: Hot-dip galvanized and stainless steel options are available on request.

TWO BOLT CLAMP

A



Material: Carbon Steel.

Coating: Zinc Plating $\geq 5 \mu\text{m}$ (ASTM B 633/EN ISO 2081)
Hot Dip Galvanized (ASTM A153/EN ISO 1461)
Armor X 20

Standards Compliance: Meets MSS SP-58 for pipe supports.

High Load Capacity: Reinforced lock bolts ensure reliable support.

Corrosion Resistance: Different coating options make it suitable for indoor and outdoor & Coastal environments.

Versatility: Suitable for horizontal and vertical applications, compatible with rubber support inserts for chilled water pipes.

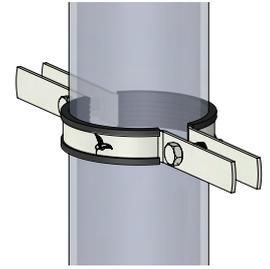
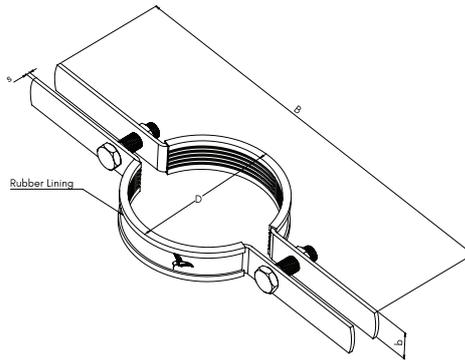
Easy Installation: Large opening angle with anti-loss screws for efficient setup.

| Part No. | D (mm) | Size (inch) | BOLT (mm) | H (mm) | b x s (mm) | k (mm) | C (mm) | Rec. Load KG | Qty Pack |
|------------|-----------|----------------|--------------|-----------|---------------|-----------|-----------|-----------------|-------------|
| IC12506022 | 22 | 1/2 | M10 | 97 | 25 x 5.0 | 68 | 12 | 170 | 60 |
| IC12506028 | 28 | 3/4 | M10 | 105 | 25 x 5.0 | 76 | 12 | 170 | 60 |
| IC12506035 | 35 | 1 | M10 | 113 | 25 x 5.0 | 84 | 12 | 170 | 50 |
| IC12506040 | 40 | 1 1/4 | M10 | 121 | 25 x 5.0 | 92 | 12 | 170 | 50 |
| IC12506048 | 48 | 1 1/2 | M10 | 127 | 25 x 5.0 | 98 | 12 | 170 | 40 |
| IC12506060 | 60 | 2 | M10 | 156 | 25 x 5.0 | 116 | 16 | 170 | 35 |
| IC12506075 | 75 | 2 1/2 | M12 | 182 | 25 x 6.0 | 142 | 16 | 400 | 35 |
| IC12506090 | 90 | 3 | M12 | 196 | 25 x 6.0 | 156 | 16 | 400 | 30 |
| IC12506100 | 100 | 3 1/2 | M12 | 208 | 25 x 6.0 | 168 | 16 | 400 | 30 |
| IC12506115 | 115 | 4 | M12 | 220 | 25 x 6.0 | 180 | 19 | 400 | 25 |
| IC12506140 | 140 | 5 | M16 | 252 | 40 x 6.0 | 214 | 19 | 600 | 20 |
| IC12506168 | 168 | 6 | M16 | 290 | 40 x 6.0 | 242 | 22 | 600 | 15 |
| IC12506220 | 220 | 8 | M16 | 352 | 40 x 6.0 | 152 | 25 | 1100 | 10 |
| IC12506273 | 273 | 10 | M16 | 406 | 50 x 9.0 | 358 | 25 | 1200 | 5 |
| IC12506323 | 323 | 12 | M20 | 490 | 50 x 12.0 | 430 | 25 | 1500 | 4 |
| IC12506355 | 355 | 14 | M20 | 546 | 50 x 12.0 | 480 | 28 | 1500 | 4 |
| IC12506406 | 406 | 16 | M20 | 597 | 60 x 16.0 | 532 | 28 | 2200 | 2 |
| IC12506457 | 457 | 18 | M20 | 686 | 60 x 16.0 | 610 | 32 | 2200 | 2 |
| IC12506508 | 508 | 20 | M20 | 776 | 60 x 16.0 | 680 | 35 | 2200 | 1 |
| IC12506610 | 610 | 24 | M20 | 876 | 60 x 16.0 | 780 | 42 | 2200 | 1 |

Note: Hot-dip galvanized and stainless steel options are available on request.

RUBBER LINED RISER CLAMP

A



Material: Carbon Steel with EPDM Rubber Lining.

Coating: Zinc Plating $\geq 5 \mu\text{m}$ (ASTM B 633/EN ISO 2081)
Hot Dip Galvanized (ASTM A153/EN ISO 1461)
Armor X 20

Standards Compliance: Meets MSS SP-58 for pipe supports.

High Load Capacity: Reinforced lock bolts ensure reliable support.

Corrosion Resistance: Different coating options make it suitable for indoor and outdoor & Coastal environments.

Versatility: Suitable for horizontal and vertical applications, compatible with rubber support inserts for chilled water pipes.

Easy Installation: Large opening angle with anti-loss screws for efficient setup.

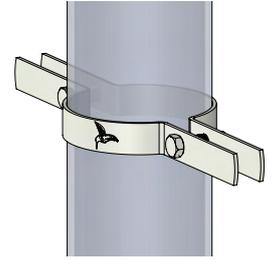
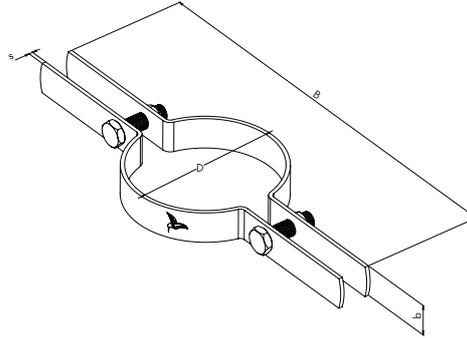
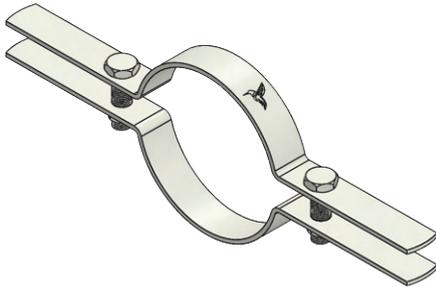


| Part No. | D (mm) | Size (inch) | BOLT (mm) | B (mm) | b x s (mm) | Rec. Load KG | Qty Pack |
|------------|-----------|----------------|--------------|-----------|---------------|-----------------|-------------|
| IC11507022 | 22 | 1/2 | M10 | 205 | 25 x 5.0 | 170 | 60 |
| IC11507028 | 28 | 3/4 | M10 | 215 | 25 x 5.0 | 170 | 60 |
| IC11507035 | 35 | 1 | M10 | 235 | 25 x 5.0 | 170 | 50 |
| IC11507040 | 40 | 1 1/4 | M10 | 265 | 25 x 5.0 | 170 | 50 |
| IC11507048 | 48 | 1 1/2 | M10 | 265 | 25 x 5.0 | 170 | 40 |
| IC11507060 | 60 | 2 | M10 | 265 | 25 x 5.0 | 170 | 35 |
| IC11507075 | 75 | 2 1/2 | M12 | 295 | 25 x 6.0 | 400 | 35 |
| IC11507090 | 90 | 3 | M12 | 295 | 25 x 6.0 | 400 | 30 |
| IC11507100 | 100 | 3 1/2 | M12 | 335 | 25 x 6.0 | 400 | 30 |
| IC11507115 | 115 | 4 | M12 | 335 | 25 x 6.0 | 400 | 25 |
| IC11507140 | 140 | 5 | M16 | 335 | 40 x 6.0 | 600 | 20 |
| IC11507168 | 168 | 6 | M16 | 385 | 40 x 6.0 | 600 | 15 |
| IC11507220 | 220 | 8 | M16 | 475 | 40 x 10.0 | 1100 | 10 |
| IC11507273 | 273 | 10 | M16 | 525 | 50 x 10.0 | 1200 | 5 |
| IC11507323 | 323 | 12 | M20 | 585 | 50 x 12.0 | 1500 | 4 |
| IC11507355 | 355 | 14 | M20 | 615 | 50 x 12.0 | 1500 | 4 |
| IC11507406 | 406 | 16 | M20 | 665 | 60 x 16.0 | 2200 | 2 |
| IC11507457 | 457 | 18 | M20 | 715 | 60 x 16.0 | 2200 | 2 |
| IC11507508 | 508 | 20 | M20 | 765 | 60 x 16.0 | 2200 | 1 |
| IC11507610 | 610 | 24 | M20 | 885 | 60 x 16.0 | 2200 | 1 |

Note: Hot-dip galvanized and stainless steel options are available on request.

RISER CLAMP

A



Material: Carbon Steel.

Coating: Zinc Plating $\geq 5 \mu\text{m}$ (ASTM B 633/EN ISO 2081)
Hot Dip Galvanized (ASTM A153/EN ISO 1461)
Armor X 20

Standards Compliance: Meets MSS SP-58 for pipe supports.

High Load Capacity: Reinforced lock bolts ensure reliable support.

Corrosion Resistance: Different coating options make it suitable for indoor and outdoor & Coastal environments.

Versatility: Suitable for horizontal and vertical applications, compatible with rubber support inserts for chilled water pipes.

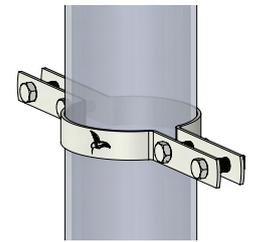
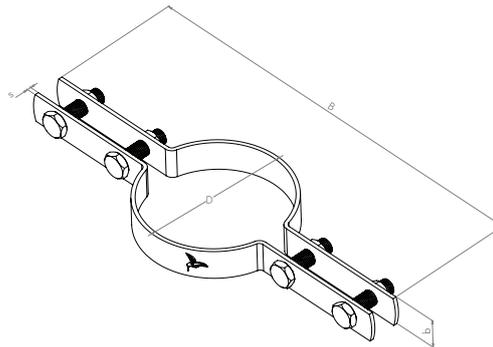
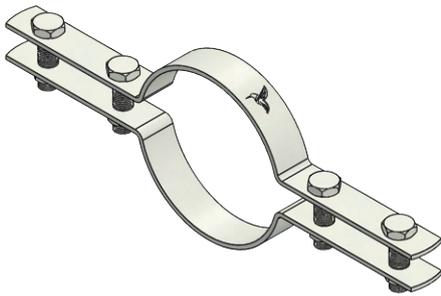
Easy Installation: Large opening angle with anti-loss screws for efficient setup.

| Part No. | D (mm) | Size (inch) | BOLT (mm) | B (mm) | b x s (mm) | Rec. Load KG | Qty Pack |
|------------|-----------|----------------|--------------|-----------|---------------|-----------------|-------------|
| IC12507022 | 22 | 1/2 | M10 | 205 | 25 x 5.0 | 170 | 60 |
| IC12507028 | 28 | 3/4 | M10 | 215 | 25 x 5.0 | 170 | 60 |
| IC12507035 | 35 | 1 | M10 | 235 | 25 x 5.0 | 170 | 50 |
| IC12507040 | 40 | 1 1/4 | M10 | 265 | 25 x 5.0 | 170 | 50 |
| IC12507048 | 48 | 1 1/2 | M10 | 265 | 25 x 5.0 | 170 | 40 |
| IC12507060 | 60 | 2 | M10 | 265 | 25 x 5.0 | 170 | 35 |
| IC12507075 | 75 | 2 1/2 | M12 | 295 | 25 x 6.0 | 400 | 35 |
| IC12507090 | 90 | 3 | M12 | 295 | 25 x 6.0 | 400 | 30 |
| IC12507100 | 100 | 3 1/2 | M12 | 335 | 25 x 6.0 | 400 | 30 |
| IC12507115 | 115 | 4 | M12 | 335 | 25 x 6.0 | 400 | 25 |
| IC12507140 | 140 | 5 | M16 | 335 | 40 x 6.0 | 600 | 20 |
| IC12507168 | 168 | 6 | M16 | 385 | 40 x 6.0 | 600 | 15 |
| IC12507220 | 220 | 8 | M16 | 475 | 40 x 10.0 | 1100 | 10 |
| IC12507273 | 273 | 10 | M16 | 525 | 50 x 10.0 | 1200 | 5 |
| IC12507323 | 323 | 12 | M20 | 585 | 50 x 12.0 | 1500 | 4 |
| IC12507355 | 355 | 14 | M20 | 615 | 50 x 12.0 | 1500 | 4 |
| IC12507406 | 406 | 16 | M20 | 665 | 60 x 16.0 | 2200 | 2 |
| IC12507457 | 457 | 18 | M20 | 715 | 60 x 16.0 | 2200 | 2 |
| IC12507508 | 508 | 20 | M20 | 765 | 60 x 16.0 | 2200 | 1 |
| IC12507610 | 610 | 24 | M20 | 885 | 60 x 16.0 | 2200 | 1 |

Note: Hot-dip galvanized and stainless steel options are available on request.

TWO BOLT RISER CLAMP

A



Material: Carbon Steel.

Coating: Zinc Plating $\geq 5 \mu\text{m}$ (ASTM B 633/EN ISO 2081)
Hot Dip Galvanized (ASTM A153/EN ISO 1461)
Armor X 20

Standards Compliance: Meets MSS SP-58 for pipe supports.

High Load Capacity: Reinforced lock bolts ensure reliable support.

Corrosion Resistance: Different coating options make it suitable for indoor and outdoor & Coastal environments.

Versatility: Suitable for horizontal and vertical applications, compatible with rubber support inserts for chilled water pipes.

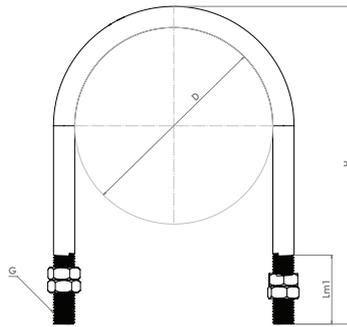
Easy Installation: Large opening angle with anti-loss screws for efficient setup.

| Part No. | D (mm) | Size (inch) | BOLT (mm) | B (mm) | b x s (mm) | Rec. Load KG | Qty Pack |
|------------|-----------|----------------|--------------|-----------|---------------|-----------------|-------------|
| IC12508022 | 22 | 1/2 | M10 | 205 | 25 x 5.0 | 170 | 60 |
| IC12508028 | 28 | 3/4 | M10 | 215 | 25 x 5.0 | 170 | 60 |
| IC12508035 | 35 | 1 | M10 | 235 | 25 x 5.0 | 170 | 50 |
| IC12508040 | 40 | 1 1/4 | M10 | 265 | 25 x 5.0 | 170 | 50 |
| IC12508048 | 48 | 1 1/2 | M10 | 265 | 25 x 5.0 | 170 | 40 |
| IC12508060 | 60 | 2 | M10 | 265 | 25 x 5.0 | 170 | 35 |
| IC12508075 | 75 | 2 1/2 | M12 | 295 | 25 x 6.0 | 400 | 35 |
| IC12508090 | 90 | 3 | M12 | 295 | 25 x 6.0 | 400 | 30 |
| IC12508100 | 100 | 3 1/2 | M12 | 335 | 25 x 6.0 | 400 | 30 |
| IC12508115 | 115 | 4 | M12 | 335 | 25 x 6.0 | 400 | 25 |
| IC12508140 | 140 | 5 | M16 | 335 | 40 x 6.0 | 600 | 20 |
| IC12508168 | 168 | 6 | M16 | 385 | 40 x 6.0 | 600 | 15 |
| IC12508220 | 220 | 8 | M16 | 475 | 40 x 10.0 | 1100 | 10 |
| IC12508273 | 273 | 10 | M16 | 525 | 50 x 10.0 | 1200 | 5 |
| IC12508323 | 323 | 12 | M20 | 585 | 50 x 12.0 | 1500 | 4 |
| IC12508355 | 355 | 14 | M20 | 615 | 50 x 12.0 | 1500 | 4 |
| IC12508406 | 406 | 16 | M20 | 665 | 60 x 16.0 | 2200 | 2 |
| IC12508457 | 457 | 18 | M20 | 715 | 60 x 16.0 | 2200 | 2 |
| IC12508508 | 508 | 20 | M20 | 765 | 60 x 16.0 | 2200 | 1 |
| IC12508610 | 610 | 24 | M20 | 885 | 60 x 16.0 | 2200 | 1 |

Note: Hot-dip galvanized and stainless steel options are available on request.

RUBBER LINED U BOLT CLAMP

A



Material: Carbon Steel with EPDM Rubber Lining.

Coating: Zinc Plating $\geq 5 \mu\text{m}$ (ASTM B 633/EN ISO 2081)
Hot Dip Galvanized (ASTM A153/EN ISO 1461)
Armor X 20

Standards Compliance: Meets MSS SP-58 for pipe supports.

High Load Capacity: Reinforced lock bolts ensure reliable support.

Corrosion Resistance: Different coating options make it suitable for indoor and outdoor & Coastal environments.

Versatility: Suitable for horizontal and vertical applications, compatible with rubber support inserts for chilled water pipes.

Easy Installation: Large opening angle with anti-loss screws for efficient setup.

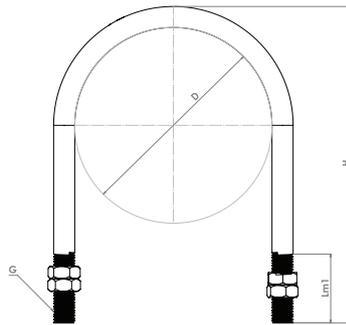


| Part No. | D (mm) | Size (inch) | ROD (mm) | H (mm) | Lm1 (mm) | Rec. Load KG | Qty Pack |
|-------------|-----------|----------------|-------------|-----------|-------------|-----------------|-------------|
| IC11509022 | 21 | 1/2 | M10 | 79 | 25 x 2.0 | 600 | 250 |
| IC11509028 | 27 | 3/4 | M10 | 85 | 25 x 2.0 | 600 | 200 |
| IC11509035 | 34 | 1 | M10 | 92 | 25 x 2.0 | 600 | 200 |
| IC11509042 | 43 | 1 1/4 | M10 | 99 | 25 x 2.0 | 600 | 175 |
| IC11509048 | 48 | 1 1/2 | M10 | 105 | 25 x 2.0 | 600 | 150 |
| IC11509060 | 60 | 2 | M10 | 111 | 25 x 2.0 | 600 | 150 |
| IC11509075 | 76 | 2 1/2 | M12 | 117 | 25 x 2.0 | 1000 | 100 |
| IC11509090 | 89 | 3 | M12 | 124 | 25 x 2.0 | 1000 | 75 |
| IC11509115 | 115 | 4 | M12 | 148 | 25 x 3.0 | 1000 | 75 |
| IC11509140 | 140 | 5 | M12 | 155 | 25 x 3.0 | 1000 | 70 |
| IC11509168 | 168 | 6 | M12 | 163 | 25 x 3.0 | 1000 | 50 |
| IC115090219 | 219 | 8 | M16 | 173 | 25 x 3.0 | 2000 | 20 |
| IC11509273 | 273 | 10 | M20 | 181 | 25 x 3.0 | 3250 | 10 |
| IC11509324 | 324 | 12 | M20 | 188 | 25 x 3.0 | 3250 | 10 |
| IC11509356 | 356 | 14 | M20 | 199 | 25 x 3.0 | 3250 | 10 |
| IC11509406 | 406 | 16 | M20 | 213 | 25 x 3.0 | 3250 | 10 |
| IC115091457 | 457 | 18 | M24 | 221 | 25 x 3.0 | 4500 | 5 |
| IC11509508 | 508 | 20 | M24 | 228 | 25 x 3.0 | 4500 | 5 |
| IC11509610 | 610 | 24 | M24 | 240 | 25 x 3.0 | 4500 | 5 |

Note: Hot-dip galvanized and stainless steel options are available on request.

U BOLT CLAMP

A



Material: Carbon Steel.

Coating: Zinc Plating $\geq 5 \mu\text{m}$ (ASTM B 633/EN ISO 2081)
Hot Dip Galvanized (ASTM A153/EN ISO 1461)
Armor X 20

Standards Compliance: Meets MSS SP-58 for pipe supports.

High Load Capacity: Reinforced lock bolts ensure reliable support.

Corrosion Resistance: Different coating options make it suitable for indoor and outdoor & Coastal environments.

Versatility: Suitable for horizontal and vertical applications, compatible with rubber support inserts for chilled water pipes.

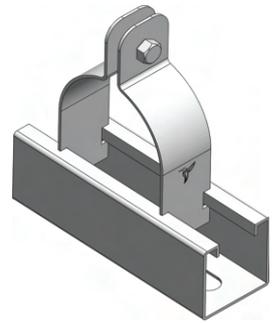
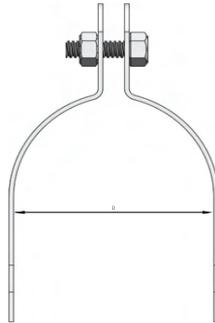
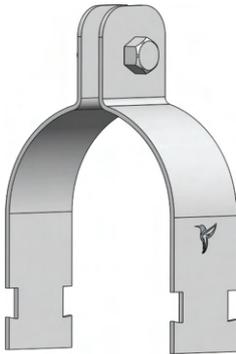
Easy Installation: Large opening angle with anti-loss screws for efficient setup.

| Part No. | D (mm) | Size (inch) | ROD (mm) | H (mm) | Lm1 (mm) | Rec. Load KG | Qty Pack |
|-------------|--------|-------------|----------|--------|----------|--------------|----------|
| IC11509022 | 21 | 1/2 | M10 | 79 | 25 x 2.0 | 600 | 250 |
| IC11509028 | 27 | 3/4 | M10 | 85 | 25 x 2.0 | 600 | 200 |
| IC11509035 | 34 | 1 | M10 | 92 | 25 x 2.0 | 600 | 200 |
| IC11509042 | 43 | 1 1/4 | M10 | 99 | 25 x 2.0 | 600 | 175 |
| IC11509048 | 48 | 1 1/2 | M10 | 105 | 25 x 2.0 | 600 | 150 |
| IC11509060 | 60 | 2 | M10 | 111 | 25 x 2.0 | 600 | 150 |
| IC11509075 | 76 | 2 1/2 | M12 | 117 | 25 x 2.0 | 1000 | 100 |
| IC11509090 | 89 | 3 | M12 | 124 | 25 x 2.0 | 1000 | 75 |
| IC11509115 | 115 | 4 | M12 | 148 | 25 x 3.0 | 1000 | 75 |
| IC11509140 | 140 | 5 | M12 | 155 | 25 x 3.0 | 1000 | 70 |
| IC11509168 | 168 | 6 | M12 | 163 | 25 x 3.0 | 1000 | 50 |
| IC115090219 | 219 | 8 | M16 | 173 | 25 x 3.0 | 2000 | 20 |
| IC11509273 | 273 | 10 | M20 | 181 | 25 x 3.0 | 3250 | 10 |
| IC11509324 | 324 | 12 | M20 | 188 | 25 x 3.0 | 3250 | 10 |
| IC11509356 | 356 | 14 | M20 | 199 | 25 x 3.0 | 3250 | 10 |
| IC11509406 | 406 | 16 | M20 | 213 | 25 x 3.0 | 3250 | 10 |
| IC115091457 | 457 | 18 | M24 | 221 | 25 x 3.0 | 4500 | 5 |
| IC11509508 | 508 | 20 | M24 | 228 | 25 x 3.0 | 4500 | 5 |
| IC11509610 | 610 | 24 | M24 | 240 | 25 x 3.0 | 4500 | 5 |

Note: Hot-dip galvanized and stainless steel options are available on request.

CONDUIT PIPE CLAMP

A



Material: Carbon Steel.

Coating: Zinc Plating $\geq 5 \mu\text{m}$ (ASTM B 633/EN ISO 2081)
Hot Dip Galvanized (ASTM A153/EN ISO 1461)
Armor X 20

Standards Compliance: Meets MSS SP-58 for pipe supports.

High Load Capacity: Reinforced lock bolts ensure reliable support.

Corrosion Resistance: Different coating options make it suitable for indoor and outdoor & Coastal environments.

Versatility: Suitable for horizontal and vertical applications, compatible with rubber support inserts for chilled water pipes.

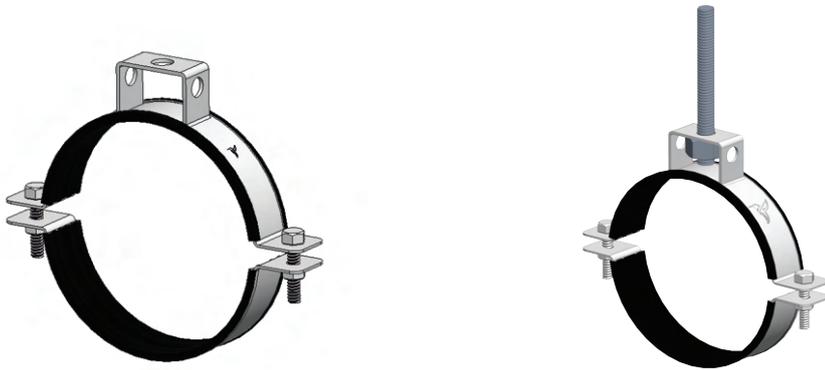
Easy Installation: Large opening angle with anti-loss screws for efficient setup.

| Part No. | Size (inch) | D (mm) | Rec. Load KG | Qty Pack |
|------------|-------------|--------------|--------------|----------|
| IC12502006 | 1/4" | 6.5 | 200 | 450 |
| IC12502009 | 3/8" | 9.52 | 200 | 400 |
| IC12502012 | 1/2" | 12.75 - 13.7 | 200 | 350 |
| IC12502014 | - | 14.73 - 15.5 | 200 | 350 |
| IC12502016 | 5/8" | 16 | 200 | 300 |
| IC12502017 | - | 17.28 | 200 | 300 |
| IC12502018 | - | 18 | 200 | 300 |
| IC12502019 | 3/4" | 19 | 200 | 300 |
| IC12502021 | - | 21.6 - 22.4 | 200 | 300 |
| IC12502022 | 7/8" | 22.2 | 200 | 250 |
| IC12502023 | - | 23.4 | 200 | 250 |
| IC12502025 | 1" | 25.4 | 200 | 220 |
| IC12502027 | - | 27.5 - 29 | 200 | 175 |
| IC12502029 | - | 29.5 - 31.8 | 200 | 150 |
| IC12502032 | 1-1/4" | 32.76 | 270 | 150 |
| IC12502033 | - | 33.8 - 35 | 270 | 150 |
| IC12502037 | - | 36 - 37.5 | 270 | 150 |
| IC12502038 | 1-1/2" | 38 | 270 | 125 |
| IC12502041 | - | 40 - 42 | 270 | 125 |
| IC12502042 | - | 43 - 45 | 270 | 100 |
| IC12502048 | - | 47.5 - 48 | 270 | 90 |
| IC12502050 | 2" | 50.3 - 52.5 | 360 | 90 |
| IC12502054 | - | 54 - 55.5 | 360 | 80 |

Note: Hot-dip galvanized and stainless steel options are available on request.

SUSPENDED PIPE CLAMP

A



Material: Carbon Steel with EPDM Rubber Lining.

Coating: Zinc Plating $\geq 5 \mu\text{m}$ (ASTM B 633/EN ISO 2081)
Hot Dip Galvanized (ASTM A153/EN ISO 1461)
Armor X 20

Standards Compliance: Meets MSS SP-58 for pipe supports.

High Load Capacity: Reinforced lock bolts ensure reliable support.

Corrosion Resistance: Different coating options make it suitable for indoor and outdoor & Coastal environments.

Versatility: Suitable for horizontal and vertical applications, compatible with rubber support inserts for chilled water pipes.

Easy Installation: Large opening angle with anti-loss screws for efficient setup.

NOISE REDUCING



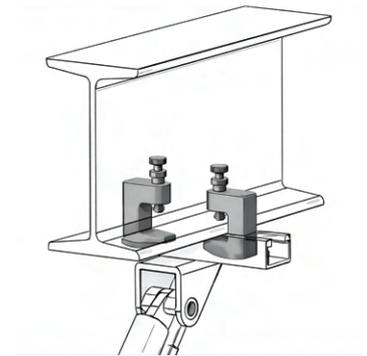
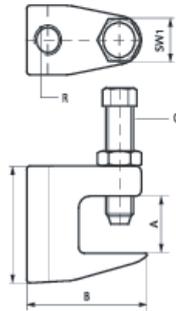
Tested in accordance with ISO 9822-1

| Part No. | Nominal Diameter (DN) | D (mm) | Bolt Spec | Design Load (kN) |
|-------------|-----------------------|--------|-----------|------------------|
| IC125010865 | DN65 | 63.5 | M12 | 9.5 |
| IC12501080 | DN80 | 76.1 | M12 | 9.5 |
| IC12501180 | DN80 | 88.9 | M12 | 9.5 |
| IC12501100 | DN100 | 108 | M12 | 9.5 |
| IC12501125 | DN125 | 140 | M12 | 9.5 |
| IC12501150 | DN150 | 168 | M12 | 9.5 |

Note: Hot-dip galvanized and stainless steel options are available on request.

C-TYPE STEEL BEAM CLAMP

A



Material: Carbon Steel.

Coating: Zinc Plating $\geq 5 \mu\text{m}$ (ASTM B 633/EN ISO 2081)
Hot Dip Galvanized (ASTM A153/EN ISO 1461)
Armor X 20

Standards Compliance: Meets MSS SP-58 for pipe supports.

High Load Capacity: Reinforced lock bolts ensure reliable support.

Corrosion Resistance: Different coating options make it suitable for indoor and outdoor & Coastal environments.

Versatility: Suitable for horizontal and vertical applications, compatible with rubber support inserts for chilled water pipes.

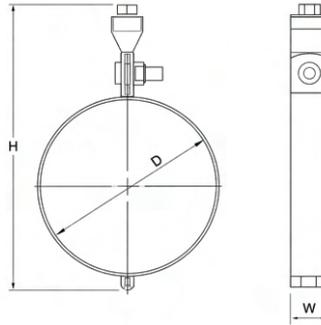
Easy Installation: Large opening angle with anti-loss screws for efficient setup.

| Part No. | A (mm) | R | G | H (mm) | SW1 (mm) | F _{a,z} (N) | Pack |
|----------|--------|-----|-----|--------|----------|----------------------|------|
| 6003206 | 23 | M6 | M10 | 45 | 17 | 2,500 | 50 |
| 6003208 | 23 | M8 | M8 | 35 | 13 | 2,500 | 50 |
| 6003010 | 20 | M10 | M10 | 42 | 17 | 2,500 | 50 |
| 6003012 | 26 | M12 | M10 | 54 | 17 | 3,500 | 50 |
| 6003016 | 28 | M16 | M12 | 58 | 19 | 5,500 | 50 |

Note: Hot-dip galvanized and stainless steel options are available on request.

UNIVERSAL PIPE CLAMP

A



Material: Carbon Steel.

Coating: Zinc Plating $\geq 5 \mu\text{m}$ (ASTM B 633/EN ISO 2081)
Hot Dip Galvanized (ASTM A153/EN ISO 1461)
Armor X 20

Standards Compliance: Meets MSS SP-58 for pipe supports.

High Load Capacity: Reinforced lock bolts ensure reliable support.

Corrosion Resistance: Different coating options make it suitable for indoor and outdoor & Coastal environments.

Versatility: Suitable for horizontal and vertical applications, compatible with rubber support inserts for chilled water pipes.

Easy Installation: Large opening angle with anti-loss screws for efficient setup.

| Part No. | DN (A) | Inch | D (mm) | H (mm) | W (mm) | Thread Size |
|----------|--------|--------|--------|--------|--------|-------------|
| 6003206 | 15 | 1/2" | 21 | 87 | 25 | M10 |
| 6003206 | 20 | 3/4" | 27 | 93 | 25 | M10 |
| 6003206 | 25 | 1" | 34 | 100 | 25 | M10 |
| 6003206 | 32 | 1-1/4" | 42 | 108 | 25 | M10 |
| 6003206 | 40 | 1-1/2" | 49 | 115 | 25 | M10 |
| 6003206 | 50 | 2" | 60 | 126 | 25 | M10 |
| 6003206 | 125 | 5" | 140 | 206 | 25 | M10 |
| 6003206 | 65 | 2-1/2" | 76 | 142 | 25 | M10 |
| 6003206 | 150 | 6" | 168 | 234 | 25 | M10 |
| 6003206 | 80 | 3" | 90 | 156 | 25 | M10 |
| 6003206 | 200 | 8" | 219 | 285 | 25 | M10 |
| 6003206 | 100 | 4" | 114 | 180 | 25 | M10 |
| 6003206 | 250 | 10" | 273 | 339 | 25 | M10 |

Note: Hot-dip galvanized and stainless steel options are available on request.

Contents

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CHANNELS

INCOFIX STRUT CHANNEL

B

Standard range of pre-galvanized channels for medium-duty fluid piping.

Great flexibility in assembly: suspended, directly fixed to walls, fixed to other perforated channels, etc.

Compatible with the clamp range from the catalogue, suitable for both piping and electrical needs.

Ideal for specialized installers in this field.

Available in a variety of materials:

Galvanized: For supporting electrical installations or simple indoor/outdoor fluid installations with moderate corrosion resistance.

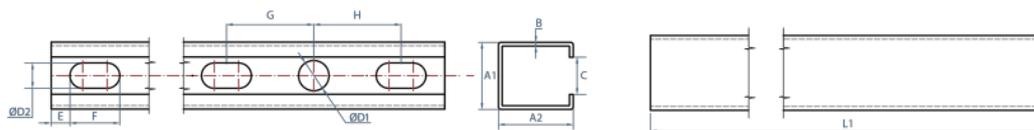
Stainless steel: For outdoor use or in humid or pollutant (chlorine-free) industrial environments.

Yellow plastic-coated: Provides high insulation and excellent resistance to corrosive environments. Commonly used for gas installations.

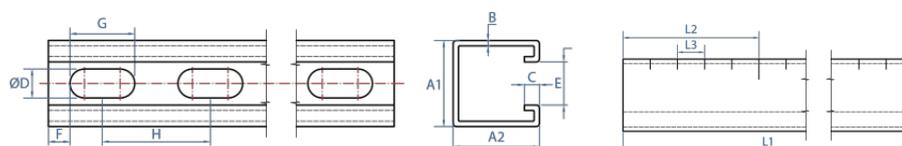
PVC: For light loads. Easy to install (can be cut without tools) with good resistance to chemical agents in general.



| Part No. | A1 | A2 | B | C | ØD1 | ØD2 | E | F | G | H | L1 |
|------------|----|----|------|------|------|-----|-----|------|----|----|------|
| IFCH271812 | 27 | 18 | 1,25 | 15,0 | 10,5 | 8,5 | 8,0 | 18,5 | 30 | 30 | 2000 |



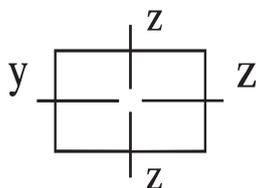
| Installation Data | | | | | | | | | | | | |
|-------------------|----|----|-----|---|----|------|----|----|----|------|-----|----|
| Code | A1 | A2 | B | C | ØD | E | F | G | H | L1 | L2 | L3 |
| IFCH412115 | 41 | 21 | 1,5 | 7 | 14 | 22,3 | 10 | 30 | 50 | 3000 | 100 | 20 |
| IFCH412120 | 41 | 21 | 2,0 | 7 | 14 | 22,3 | 10 | 30 | 50 | 3000 | 100 | 20 |
| IFCH412125 | 41 | 21 | 2,5 | 7 | 14 | 22,3 | 10 | 30 | 50 | 3000 | 100 | 20 |
| IFCH414115 | 41 | 41 | 1,5 | 7 | 14 | 22,3 | 10 | 30 | 50 | 3000 | 100 | 20 |
| IFCH414120 | 41 | 41 | 2,0 | 7 | 14 | 22,3 | 10 | 30 | 50 | 3000 | 100 | 20 |
| IFCH414125 | 41 | 41 | 2,5 | 7 | 14 | 22,3 | 10 | 30 | 50 | 3000 | 100 | 20 |
| IFCH416225 | 41 | 62 | 2,5 | 7 | 14 | 22,3 | 10 | 30 | 50 | 3000 | 100 | 20 |
| IFCH2M41412 | 41 | 41 | 2,0 | 7 | 14 | 22,3 | 10 | 30 | 50 | 3000 | 100 | 20 |
| IFCH2M41622 | 41 | 62 | 2,5 | 7 | 14 | 22,3 | 10 | 30 | 50 | 3000 | 100 | 20 |



GEOMETRIC DATA

B

| Part No. | Section | Thickness (mm) | Weight (Kg/m) | Area | Moment Inertia (I _y) | Moment Inertia (I _z) | Moment Resistance (W _y) | Moment Resistance (W _z) |
|--------------|----------|----------------|---------------|-----------------|----------------------------------|----------------------------------|-------------------------------------|-------------------------------------|
| IFCH271812 | mm x mm | mm | Kg/m | cm ² | cm ⁴ | cm ⁴ | cm ³ | cm ³ |
| IFCH271812 | 27 x 18 | 1.2 | 0.66 | 0.84 | 0.37 | 0.97 | 0.34 | 0.71 |
| IFCH412115 | 41 x 21 | 1.5 | 1.21 | 1.41 | 0.89 | 3.58 | 0.70 | 1.75 |
| IFCH412120 | 41 x 21 | 2 | 1.55 | 1.99 | 0.95 | 4.44 | 0.75 | 2.17 |
| IFCH412125 | 41 x 21 | 2.5 | 1.71 | 2.28 | 1.32 | 5.54 | 1.03 | 2.70 |
| IFCH414115 | 41 x 41 | 1.5 | 1.65 | 2.42 | 4.88 | 5.99 | 2.05 | 2.92 |
| IFCH414120 | 41 x 41 | 2 | 2.09 | 2.65 | 5.84 | 7.62 | 2.46 | 3.72 |
| IFCH414125 | 41 x 41 | 2.5 | 2.53 | 3.28 | 7.08 | 9.25 | 2.98 | 4.51 |
| IFCH416225 | 41 x 62 | 2.5 | 3.38 | 4.17 | 18.74 | 12.85 | 5.70 | 6.27 |
| IFCH2M414125 | 41 x 82 | 2.5 | 5.08 | 6.23 | 34.88 | 17.91 | 8.51 | 8.73 |
| IFCH2M416225 | 41 x 124 | 2.5 | 6.77 | 8.33 | 10.81 | 25.70 | 17.44 | 12.54 |



INCOFIX CHANNEL LOADING TABLE

Calculation Method

Safe working loads are based on perforated (slotted) rails. For non-perforated rails, loads may be increased by up to 20%.

Calculations consider a maximum deflection of L/200 and a bending stress of 160 N/mm².

1 N = 0.102 kg | 1 kg = 9.8 N

Fixing to Walls or Ceilings

Anchoring strength is not included in these values.

Installers must ensure that bolts and wall plugs are suitable for the rail's maximum load.

Loading Method

When loads are suspended below the rail, do not exceed the slide nut's rated capacity.

Use U-shaped washers to improve installation rigidity.

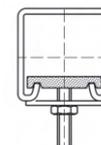
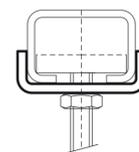
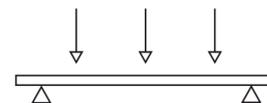
Reading the Table

Values apply only to the fixing rail and are based on static loads with free bending support.

A hyphen (-) indicates the length cannot be safely loaded.

Special Conditions

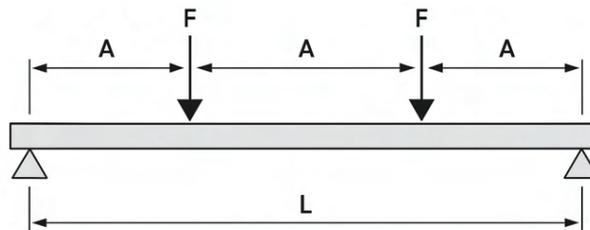
For special cases or unclear situations, please contact our technical department for advice.



SINGLE POINT LOAD

B

| L (mm) | IFCH271812 | IFCH412115 | IFCH412120 | IFCH412125 | IFCH414115 | IFCH414120 | IFCH414125 | IFCH416225 | IFCH2M414125 | IFCH2M416225 |
|--------|------------|------------|------------|------------|------------|------------|------------|------------|--------------|--------------|
| 250 | 758 | 1,848 | 2,033 | 2,381 | 5,427 | 6,556 | 7,611 | 17,730 | 22,804 | 32,686 |
| 300 | 631 | 1,540 | 1,694 | 1,984 | 4,523 | 5,463 | 6,342 | 12,275 | 19,004 | 27,238 |
| 350 | 541 | 1,320 | 1,452 | 1,701 | 3,877 | 4,683 | 5,436 | 10,522 | 16,289 | 23,347 |
| 400 | 474 | 1,155 | 1,271 | 1,488 | 3,392 | 4,098 | 4,757 | 9,206 | 14,253 | 20,429 |
| 450 | 421 | 1,027 | 1,130 | 1,323 | 3,015 | 3,642 | 4,228 | 8,183 | 12,669 | 18,159 |
| 500 | 379 | 924 | 1,016 | 1,190 | 2,714 | 3,278 | 3,805 | 7,365 | 11,402 | 16,343 |
| 600 | 316 | 770 | 847 | 992 | 2,261 | 2,732 | 3,171 | 6,138 | 9,502 | 13,618 |
| 700 | 266 | 660 | 726 | 850 | 1,938 | 2,341 | 2,718 | 5,261 | 8,144 | 11,674 |
| 800 | 204 | 557 | 613 | 719 | 1,696 | 2,049 | 2,378 | 4,603 | 7,126 | 10,214 |
| 900 | 161 | 440 | 484 | 568 | 1,508 | 1,821 | 2,114 | 4,092 | 6,335 | 9,079 |
| 1000 | 130 | 356 | 392 | 460 | 1,357 | 1,639 | 1,903 | 3,683 | 5,701 | 8,172 |
| 1200 | 91 | 247 | 272 | 320 | 1,131 | 1,366 | 1,586 | 3,069 | 4,751 | 6,810 |
| 1400 | 67 | 182 | 200 | 235 | 969 | 1,171 | 1,359 | 2,630 | 4,072 | 5,837 |
| 1600 | 51 | 139 | 153 | 180 | 794 | 952 | 1,114 | 2,302 | 3,563 | 5,107 |
| 1800 | 40 | 108 | 120 | 142 | 628 | 752 | 881 | 2,046 | 3,167 | 4,540 |
| 2000 | 33 | 110 | 121 | 115 | 508 | 609 | 713 | 1,841 | 2,851 | 3,940 |
| 2250 | 26 | 89 | 98 | 91 | 402 | 481 | 564 | 1,624 | 2,534 | 3,340 |
| 2500 | 21 | 70 | 77 | 74 | 325 | 390 | 456 | 1,315 | 2,280 | 2,540 |
| 2750 | 17 | 57 | 63 | 61 | 269 | 322 | 377 | 1,087 | 2,073 | 2,340 |
| 3000 | 14 | 47 | 52 | 51 | 226 | 271 | 317 | 913 | 1,864 | 2,140 |



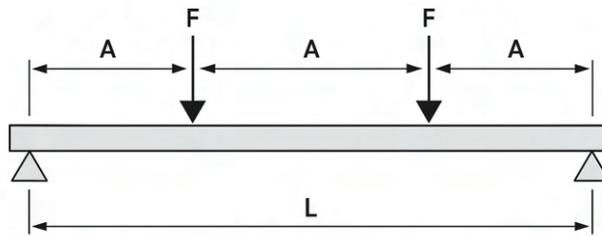
L = length, A = equal distances, F = load point

Max allowed load in N.
The stated values are only valid for the fixing rail. The maximum safe load of all other construction parts have to be verified.

TWO EQUAL LOADS

B

| L (mm) | IFCH271812 | IFCH412115 | IFCH412120 | IFCH412125 | IFCH414115 | IFCH414120 | IFCH414125 | IFCH416225 | IFCH2M414125 | IFCH2M416225 |
|--------|------------|------------|------------|------------|------------|------------|------------|------------|--------------|--------------|
| 250 | 569 | 1,386 | 1,525 | 1,786 | 4,070 | 4,917 | 5,708 | 13,298 | 17,103 | 24,515 |
| 300 | 473 | 1,155 | 1,271 | 1,488 | 3,392 | 4,097 | 4,757 | 9,206 | 14,253 | 20,429 |
| 350 | 406 | 990 | 1,089 | 1,276 | 2,908 | 3,512 | 4,077 | 7,892 | 12,217 | 17,510 |
| 400 | 356 | 866 | 953 | 1,116 | 2,544 | 3,074 | 3,568 | 6,905 | 10,690 | 15,322 |
| 450 | 316 | 770 | 847 | 992 | 2,261 | 2,732 | 3,171 | 6,137 | 9,502 | 13,619 |
| 500 | 284 | 690 | 759 | 889 | 2,027 | 2,449 | 2,842 | 5,502 | 8,517 | 12,208 |
| 600 | 221 | 575 | 633 | 741 | 1,689 | 2,041 | 2,369 | 4,585 | 7,098 | 10,173 |
| 700 | 186 | 455 | 501 | 587 | 1,337 | 1,615 | 1,875 | 3,630 | 5,619 | 8,055 |
| 800 | 143 | 384 | 423 | 496 | 1,170 | 1,414 | 1,641 | 3,176 | 4,917 | 7,048 |
| 900 | 113 | 304 | 334 | 392 | 1,041 | 1,256 | 1,459 | 2,823 | 4,371 | 6,265 |
| 1000 | 91 | 246 | 270 | 317 | 936 | 1,131 | 1,313 | 2,541 | 3,934 | 5,639 |
| 1200 | 64 | 170 | 187 | 221 | 780 | 943 | 1,094 | 2,118 | 3,278 | 4,699 |
| 1400 | 47 | 126 | 138 | 162 | 669 | 808 | 938 | 1,815 | 2,810 | 4,028 |
| 1600 | 36 | 96 | 106 | 124 | 548 | 657 | 769 | 1,588 | 2,458 | 3,524 |
| 1800 | 28 | 126 | 138 | 98 | 433 | 519 | 608 | 1,412 | 2,185 | 3,133 |
| 2000 | 23 | 76 | 83 | 79 | 351 | 420 | 492 | 1,270 | 1,967 | 2,719 |
| 2250 | 18 | 61 | 68 | 63 | 277 | 332 | 389 | 1,121 | 1,748 | 2,305 |
| 2500 | 15 | 48 | 53 | 51 | 224 | 269 | 315 | 907 | 1,573 | 1,753 |
| 2750 | 12 | 39 | 43 | 42 | 186 | 222 | 260 | 750 | 1,430 | 1,615 |
| 3000 | 10 | 32 | 36 | 35 | 156 | 187 | 219 | 630 | 1,286 | 1,477 |



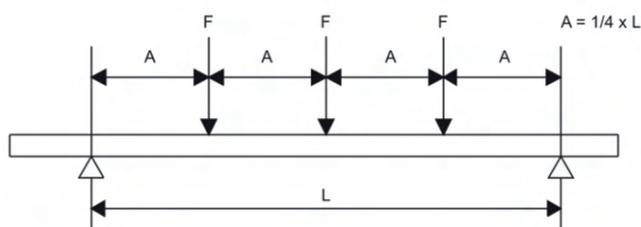
L = length, A = equal distances, F = load point

Max allowed load in N. per suspension point (F).
 The stated values are only valid for the fixing rail. The maximum safe load of all other construction parts have to be verified.

THREE EQUAL LOADS

B

| L (mm) | IFCH271812 | IFCH412115 | IFCH412120 | IFCH412125 | IFCH414115 | IFCH414120 | IFCH414125 | IFCH416225 | IFCH2M414125 | IFCH2M416225 |
|--------|------------|------------|------------|------------|------------|------------|------------|------------|--------------|--------------|
| 250 | 381 | 929 | 1021 | 1196 | 2727 | 3294 | 3825 | 8909 | 11459 | 16425 |
| 300 | 317 | 774 | 851 | 997 | 2273 | 2745 | 3187 | 6168 | 9550 | 13687 |
| 350 | 272 | 663 | 730 | 855 | 1948 | 2353 | 2732 | 5287 | 8185 | 11732 |
| 400 | 238 | 580 | 637 | 747 | 1702 | 2056 | 2387 | 4619 | 7151 | 10250 |
| 450 | 211 | 515 | 567 | 664 | 1513 | 1827 | 2121 | 4106 | 6357 | 9111 |
| 500 | 190 | 462 | 508 | 595 | 1356 | 1638 | 1902 | 3681 | 5698 | 8167 |
| 600 | 148 | 385 | 423 | 496 | 1130 | 1365 | 1585 | 3067 | 4749 | 6806 |
| 700 | 115 | 282 | 311 | 364 | 829 | 1001 | 1163 | 2251 | 3484 | 4994 |
| 800 | 89 | 238 | 262 | 308 | 726 | 877 | 1017 | 1969 | 3049 | 4370 |
| 900 | 70 | 188 | 207 | 243 | 645 | 779 | 904 | 1751 | 2710 | 3884 |
| 1000 | 56 | 152 | 168 | 197 | 581 | 701 | 814 | 1576 | 2439 | 3496 |
| 1200 | 39 | 106 | 116 | 137 | 484 | 584 | 678 | 1313 | 2032 | 2913 |
| 1400 | 29 | 78 | 86 | 101 | 415 | 501 | 581 | 1125 | 1742 | 2497 |
| 1600 | 22 | 59 | 65 | 77 | 340 | 407 | 477 | 985 | 1524 | 2185 |
| 1800 | 17 | 47 | 52 | 61 | 269 | 322 | 377 | 875 | 1355 | 1942 |
| 2000 | 14 | 47 | 52 | 49 | 217 | 261 | 305 | 788 | 1220 | 1686 |
| 2250 | 11 | 38 | 42 | 39 | 172 | 206 | 241 | 695 | 1084 | 1429 |
| 2500 | 9 | 30 | 33 | 32 | 139 | 167 | 195 | 563 | 975 | 1087 |
| 2750 | 7 | 24 | 27 | 26 | 115 | 138 | 161 | 465 | 887 | 1001 |
| 3000 | 6 | 20 | 22 | 22 | 97 | 116 | 136 | 391 | 797 | 915 |

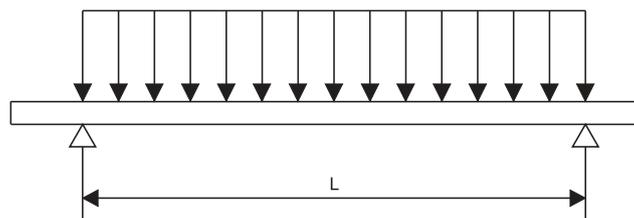


Max allowed load in N. per suspension point (F).
 The stated values are only valid for the fixing rail. The maximum safe load of all other construction parts have to be verified.

UNIFORMLY DISTRIBUTED LOAD

B

| L (mm) | IFCH271812 | IFCH412115 | IFCH412120 | IFCH412125 | IFCH414115 | IFCH414120 | IFCH414125 | IFCH416225 | IFCH2M414125 | IFCH2M416225 |
|-----------|------------|------------|------------|------------|------------|------------|------------|------------|--------------|--------------|
| 250 | 1,516 | 3,697 | 4,436 | 4,762 | 1,085 | 13,112 | 15,222 | 29,460 | 41,609 | 61,372 |
| 300 | 1,263 | 3,081 | 3,697 | 3,968 | 9,045 | 10,927 | 12,685 | 24,550 | 38,007 | 54,477 |
| 350 | 1,083 | 2,640 | 3,168 | 3,401 | 7,753 | 9,366 | 10,873 | 21,043 | 32,578 | 46,694 |
| 400 | 842 | 2,310 | 2,772 | 2,970 | 6,784 | 8,195 | 9,514 | 18,413 | 28,506 | 40,858 |
| 450 | 750 | 2,054 | 2,465 | 2,645 | 6,030 | 7,285 | 8,457 | 16,367 | 25,338 | 36,318 |
| 500 | 500 | 1,848 | 2,218 | 2,381 | 5,427 | 6,556 | 7,611 | 14,730 | 22,804 | 31,686 |
| 600 | 428 | 1,540 | 1,848 | 1,984 | 4,523 | 5,463 | 6,342 | 12,275 | 19,004 | 27,238 |
| 700 | 326 | 1,163 | 1,396 | 1,503 | 3,877 | 4,683 | 5,436 | 10,522 | 16,289 | 23,347 |
| 800 | 258 | 891 | 1,069 | 1,151 | 3,392 | 4,098 | 4,757 | 9,206 | 14,253 | 20,429 |
| 900 | 209 | 704 | 845 | 909 | 3,015 | 3,642 | 4,228 | 8,183 | 12,669 | 18,159 |
| 1000 | 145 | 501 | 601 | 737 | 2,714 | 3,278 | 3,805 | 7,365 | 11,402 | 16,343 |
| 1200 | 106 | 396 | 475 | 512 | 2,260 | 2,708 | 3,170 | 6,138 | 9,502 | 13,619 |
| 1400 | 82 | 291 | 349 | 376 | 1,660 | 1,989 | 2,329 | 5,261 | 8,144 | 11,674 |
| 1600 | 64 | 223 | 268 | 288 | 1,271 | 1,523 | 1,783 | 4,603 | 7,126 | 10,214 |
| 1800 | 52 | 176 | 211 | 227 | 1,004 | 1,204 | 1,409 | 4,059 | 6,335 | 9,079 |
| 2000 | 41 | 143 | 172 | 184 | 814 | 975 | 1,141 | 3,288 | 5,701 | - |
| 2250 | 33 | 113 | 136 | 146 | 643 | 770 | 902 | 2,598 | 5,068 | - |
| 2500 | 28 | 91 | 109 | 118 | 521 | 624 | 730 | 2,104 | 4,295 | - |
| 2750 | 23 | 75 | 90 | 97 | 430 | 516 | 604 | 1,739 | 3,549 | - |
| 3000 | 20 | 63 | 76 | 82 | 362 | 433 | 507 | 1,461 | 2,983 | - |



Max. allowed load in N.

The stated values are only valid for the fixing rail.

The maximum safe load of all other construction parts have to be verified.

For large spans and high rail flanks (>= 62 mm), depending on the load, appropriate measures against occurring torsional forces may have to be taken.

COMPATIBLE ACCESSORIES

B

| Photo | Description | Material | Coating |
|---|--|--------------|---|
|  | <p>Incofix Strut Channel</p> | <p>Z275</p> | <p>Electro - galvanized (EG) 20 to 25 µm, Hot-Dip (HDG), ArmorX20, Stainless Steel (SS)</p> |
|  | <p>Slotted Channel Nut Without Spring</p> | <p>Steel</p> | <p>Zinc plated ≥ 5 µm</p> |
|  | <p>Slotted Channel Nut With Spring</p> | <p>Steel</p> | <p>Zinc plated ≥ 5 µm</p> |
|  | <p>Slotted Channel Nut With Plastic Twist Tab</p> | <p>Steel</p> | <p>Zinc plated ≥ 5 µm</p> |
|  | <p>Slotted Channel Nut With Fast Fix Washer</p> | <p>Steel</p> | <p>Zinc plated ≥ 5 µm</p> |
|  | <p>Square Washer</p> | <p>Steel</p> | <p>Zinc plated ≥ 5 µm</p> |
|  | <p>Guided Square Washer</p> | <p>Steel</p> | <p>Zinc plated ≥ 5 µm</p> |

COMPATIBLE ACCESSORIES

B

| Photo | Description | Material | Coating |
|---|--|--------------|--|
|  | Flat Channel Connector | Steel | Zinc plated $\geq 5 \mu\text{m}$ |
|  | Flat Splice (2 Holes) | Steel | Zinc plated $\geq 5 \mu\text{m}$ |
|  | Flat Swivel Plate (3 Holes) | Steel | Zinc plated $\geq 5 \mu\text{m}$ |
|  | Flat Channel Connector (T Type) | Steel | Zinc plated $\geq 5 \mu\text{m}$ |
|  | Flat Channel Connector (L Type) | Steel | Zinc plated $\geq 5 \mu\text{m}$ |
|  | Flat Channel Connector (Cross Type) | Steel | Zinc plated $\geq 5 \mu\text{m}$ |
|  | Flat Angular Gusset Plate | Steel | Zinc plated $\geq 5 \mu\text{m}$ |

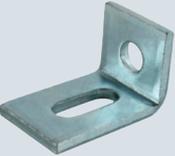
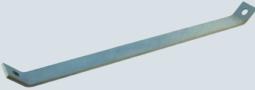
COMPATIBLE ACCESSORIES

B

| Photo | Description | Material | Coating |
|---|--|------------|----------------------------------|
|  | Flat Angle Gusset Plate | Steel | Zinc plated $\geq 5 \mu\text{m}$ |
|  | Triangular Gusset Plate | Steel | Zinc plated $\geq 5 \mu\text{m}$ |
|  | Diamond Shape Gusset Plate | Steel | Zinc plated $\geq 5 \mu\text{m}$ |
|  | 90-2 Hole Cleat (Type 1) | Mild Steel | Zinc plated $\geq 5 \mu\text{m}$ |
|  | 90-2 Hole Heavy Duty Cleat (Type 2) | Mild Steel | Zinc plated $\geq 5 \mu\text{m}$ |
|  | 90-3 Hole Cleat (Type 3) | Steel | Zinc plated $\geq 5 \mu\text{m}$ |
|  | 90-Slotted Cleat (Type 4) | Steel | Zinc plated $\geq 5 \mu\text{m}$ |

COMPATIBLE ACCESSORIES

B

| Photo | Description | Material | Coating |
|---|--|----------|----------------------------------|
|  | 90-Slotted Cleet (Type 5) | Steel | Zinc plated $\geq 5 \mu\text{m}$ |
|  | 90-4 Hole Heavy Duty Cleet (Type 6) | Steel | Zinc plated $\geq 5 \mu\text{m}$ |
|  | Closed Angle Cleet (2 Hole) | Steel | Zinc plated $\geq 5 \mu\text{m}$ |
|  | Open Angle Cleet (2 Hole) | Steel | Zinc plated $\geq 5 \mu\text{m}$ |
|  | Open Angle Cleet (4 Hole) | Steel | Zinc plated $\geq 5 \mu\text{m}$ |
|  | Flat Channel Connector 90 | Steel | Zinc plated $\geq 5 \mu\text{m}$ |
|  | Strut Rail Connector | Steel | Zinc plated $\geq 5 \mu\text{m}$ |

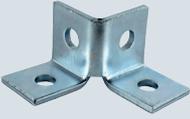
COMPATIBLE ACCESSORIES

B

| Photo | Description | Material | Coating |
|---|--|----------|----------------------------------|
|  | Flat Channel Connector (C Type) | Steel | Zinc plated $\geq 5 \mu\text{m}$ |
|  | Strut Cross Connector (U Fitting) | Steel | Zinc plated $\geq 5 \mu\text{m}$ |
|  | Strut Cross Connector (U Fitting) | Steel | Zinc plated $\geq 5 \mu\text{m}$ |
|  | Corner Connector | Steel | Zinc plated $\geq 5 \mu\text{m}$ |
|  | Strut Connector 90° (Type 1) | Steel | Zinc plated $\geq 5 \mu\text{m}$ |
|  | Strut Connector 90° (Type 2) | Steel | Zinc plated $\geq 5 \mu\text{m}$ |
|  | Strut Connector 90° (Type 3) | Steel | Zinc plated $\geq 5 \mu\text{m}$ |

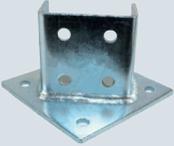
COMPATIBLE ACCESSORIES

B

| Photo | Description | Material | Coating |
|---|-------------------------------------|----------|----------------------------------|
|  | Strut Connector 90° (Type 4) | Steel | Zinc plated $\geq 5 \mu\text{m}$ |
|  | Strut Z Connector | Steel | Zinc plated $\geq 5 \mu\text{m}$ |
|  | Strut Connector 90° (Type 1) | Steel | Zinc plated $\geq 5 \mu\text{m}$ |
|  | Strut Connector 90° (Type 2) | Steel | Zinc plated $\geq 5 \mu\text{m}$ |
|  | Strut Connector 90° (Type 3) | Steel | Zinc plated $\geq 5 \mu\text{m}$ |
|  | Strut Base Plate (Type 1) | Steel | Zinc plated $\geq 5 \mu\text{m}$ |
|  | Strut Base Plate (Type 2) | Steel | Zinc plated $\geq 5 \mu\text{m}$ |

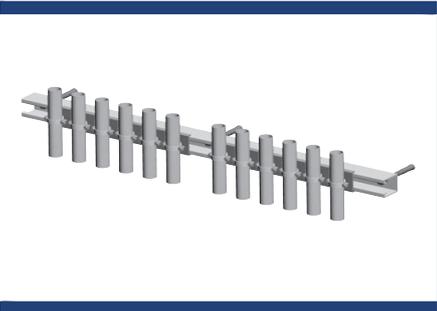
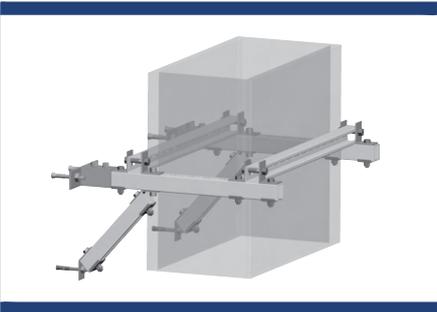
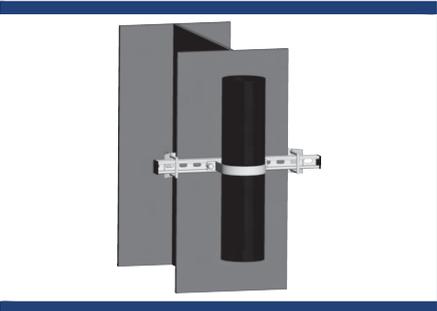
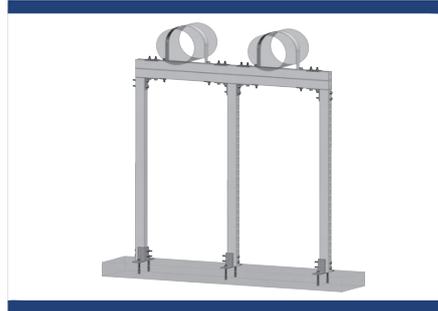
COMPATIBLE ACCESSORIES

B

| Photo | Description | Material | Coating |
|---|---|---------------------|---|
|  | <p>Strut Base Plate (Type 3)</p> | <p>Steel</p> | <p>Zinc plated $\geq 5 \mu\text{m}$</p> |
|  | <p>Strut Base Plate (Type 4)</p> | <p>Steel</p> | <p>Zinc plated $\geq 5 \mu\text{m}$</p> |
|  | <p>Strut Base Plate (Type 5)</p> | <p>Steel</p> | <p>Zinc plated $\geq 5 \mu\text{m}$</p> |
|  | <p>Strut Base Plate (Type 6)</p> | <p>Steel</p> | <p>Zinc plated $\geq 5 \mu\text{m}$</p> |
|  | <p>T Corner Connector 90°</p> | <p>Steel</p> | <p>Zinc plated $\geq 5 \mu\text{m}$</p> |
|  | <p>Adjustable Bracket</p> | <p>Steel</p> | <p>Zinc plated $\geq 5 \mu\text{m}$</p> |

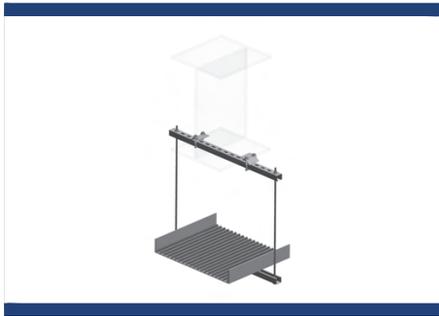
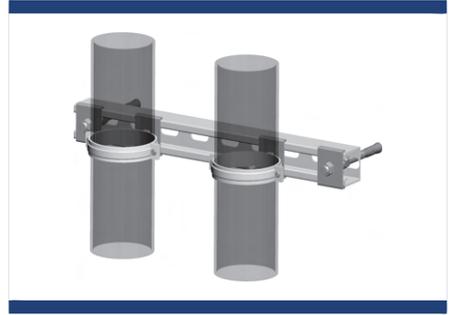
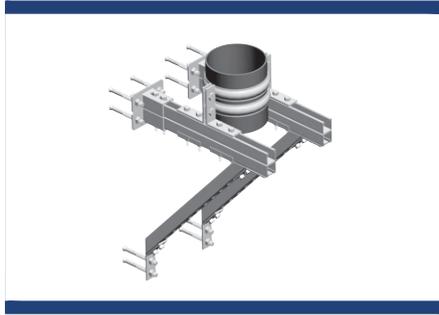
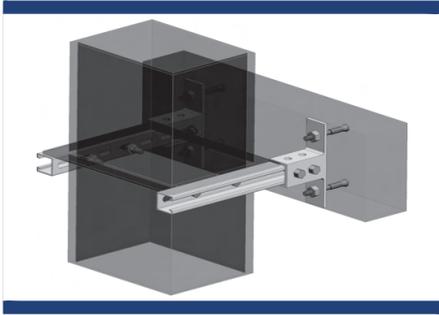
CHANNELS APPLICATIONS

B



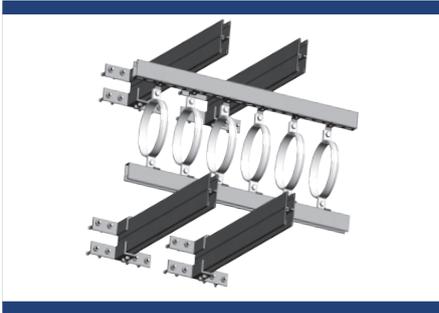
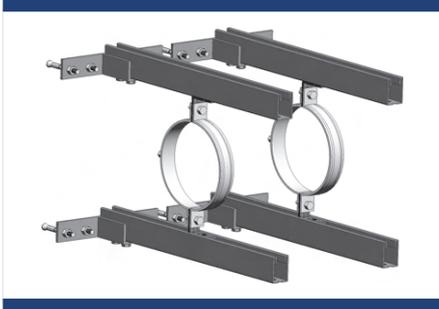
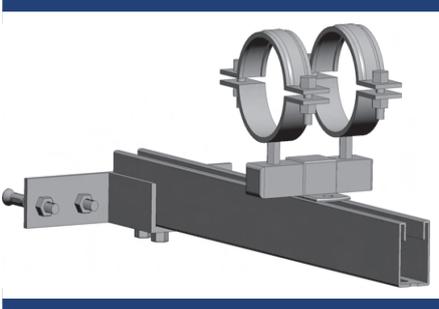
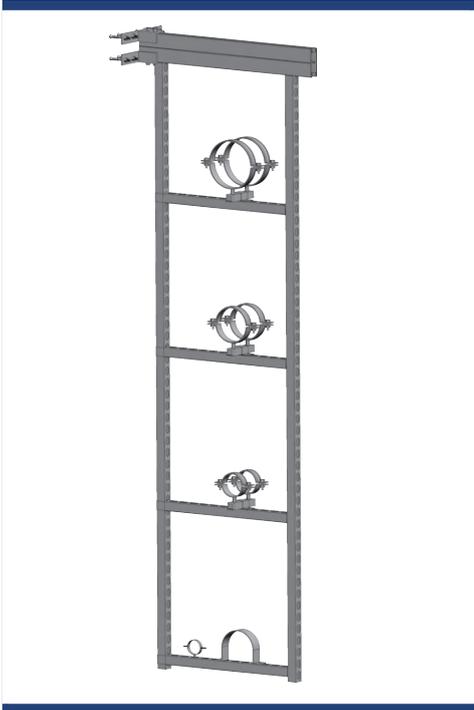
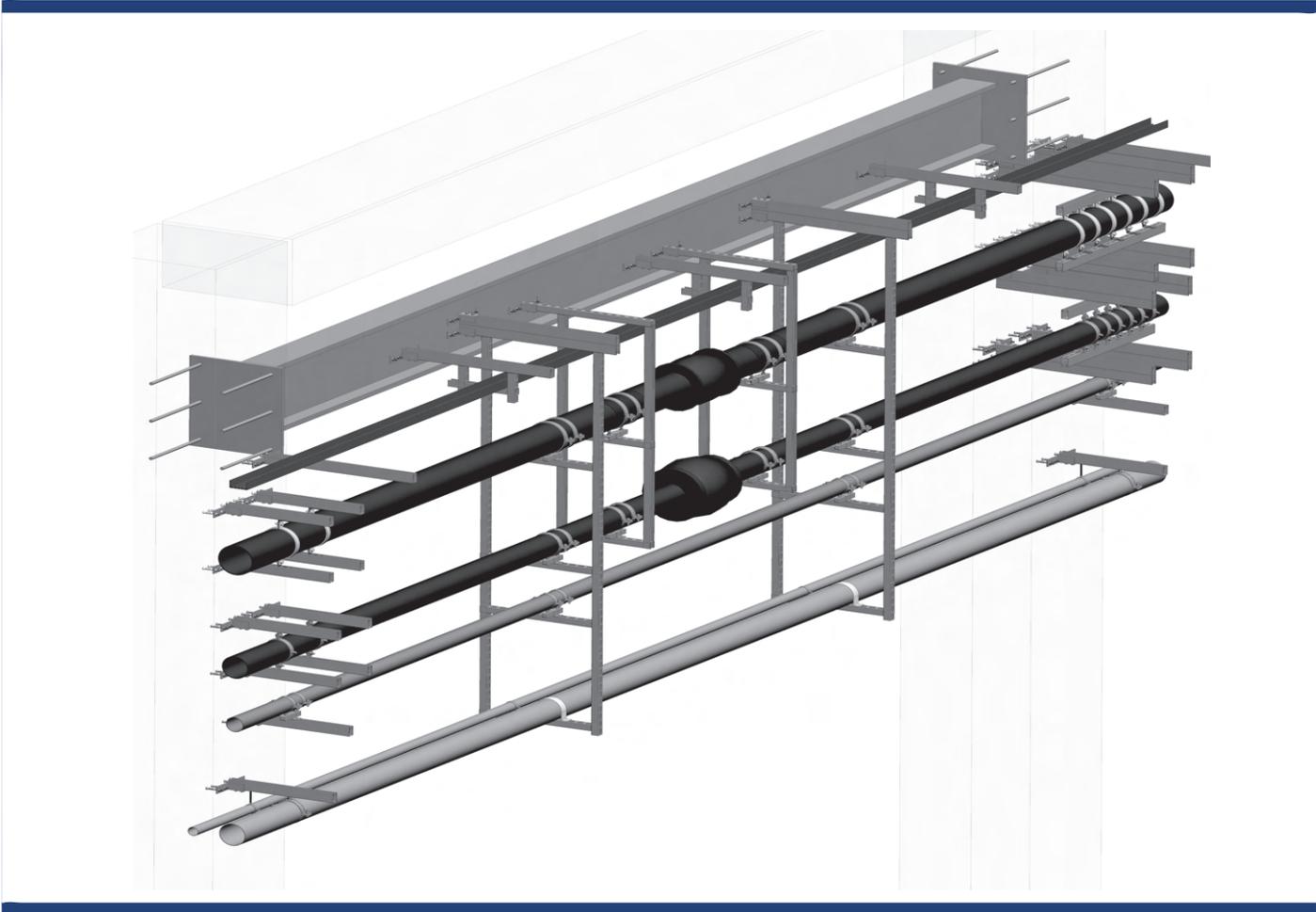
CHANNELS APPLICATIONS

B



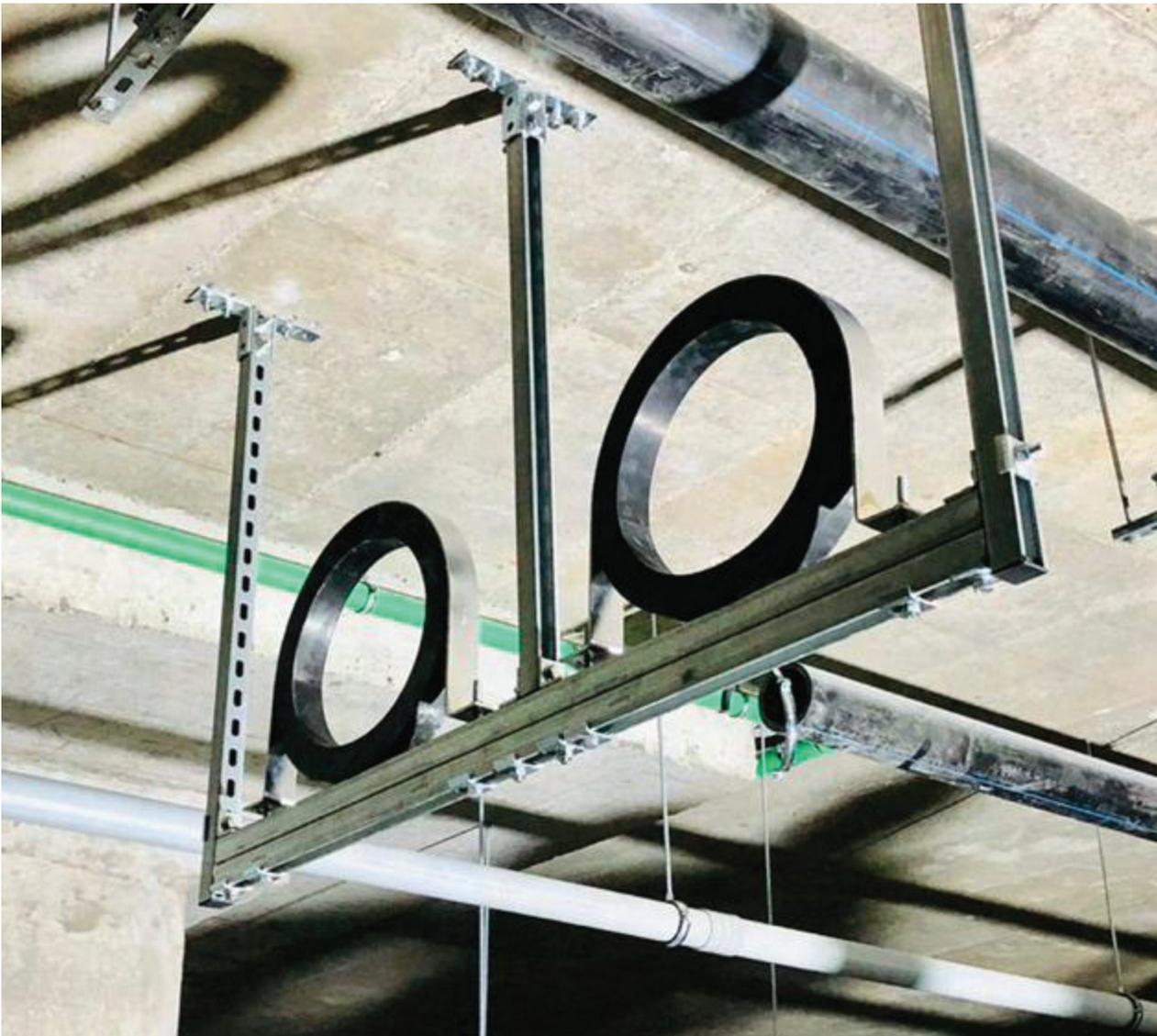
CHANNELS APPLICATIONS FOR EXPENSION PIPE

B



Contents

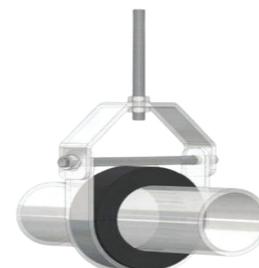
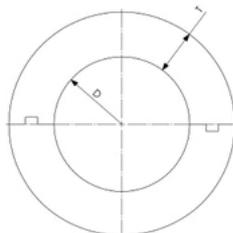
| | Page |
|---------------------------------------|-------|
| Rubber Support Insert For Steel Pipe | 52-55 |
| Rubber Support Insert For Copper Pipe | 56-58 |



INSULATION PROTECTION

RUBBER SUPPORT INSERTS

C

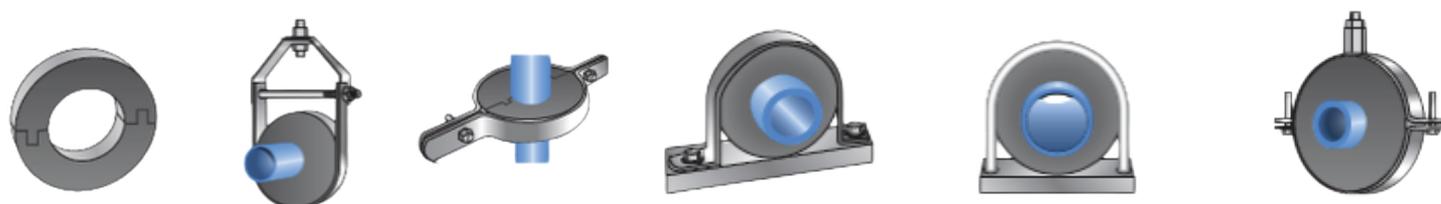


- Used at the supporting points of insulated pipes to prevent crushing of insulation.
- Inherently superior to wood.
- Dimensionally accurate as each piece is moulded.
- Tongue and groove design.
- Available with steel reinforcements for higher sizes.
- Non standard widths also available.
- Excellent resistance to deterioration/distortion.

- Thermal conductivity: 0.16w/m
- Standard width
- 1/2" to 2"-25mm
- 2-1/2" to 5"-38mm
- 6" and above -50mm
- Density: 110-1400 kg/m
- Temperature Resistance -20°C to +110°C
- Designed to meet BS3974-1 :1974

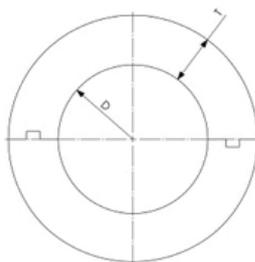
Rubber Support Insert For Steel Pipe

| Pipe Size | DN | D (mm) | B | T(RSI Thickness in mm) | | | | | | | |
|-----------|-----|--------|----|------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | | | | 13 mm | 19 mm | 25 mm | 32 mm | 38 mm | 50 mm | 65 mm | 75 mm |
| 1/2" | 15 | 21.3 | 25 | ICRS0121325 | ICRS0121925 | ICRS0122525 | ICRS0123225 | ICRS0123825 | ICRS0125025 | ICRS0126525 | ICRS0127525 |
| 3/4" | 20 | 26.7 | 25 | ICRS341325 | ICRS341925 | ICRS342525 | ICRS343225 | ICRS343825 | ICRS345025 | ICRS346525 | ICRS347525 |
| 1" | 25 | 33.4 | 25 | ICRS11325 | ICRS11925 | ICRS12525 | ICRS13225 | ICRS13825 | ICRS15025 | ICRS16525 | ICRS17525 |
| 1-1/4" | 32 | 42.1 | 25 | ICRS1141325 | ICRS1141925 | ICRS1142525 | ICRS1143225 | ICRS1143825 | ICRS1145025 | ICRS1146525 | ICRS1147525 |
| 1-1/2" | 40 | 48.2 | 25 | ICRS1121325 | ICRS1121925 | ICRS1122525 | ICRS1123225 | ICRS1123825 | ICRS1125025 | ICRS1126525 | ICRS1127525 |
| 2" | 50 | 60.3 | 25 | ICRS21325 | ICRS21925 | ICRS22525 | ICRS23225 | ICRS23825 | ICRS25025 | ICRS26525 | ICRS27525 |
| 2-1/2" | 65 | 73 | 38 | ICRS2121338 | ICRS2121938 | ICRS2122538 | ICRS2123238 | ICRS2123838 | ICRS2125038 | ICRS2126538 | ICRS2127538 |
| 3" | 80 | 88.9 | 38 | ICRS31338 | ICRS31938 | ICRS32538 | ICRS33238 | ICRS33838 | ICRS35038 | ICRS36538 | ICRS37538 |
| 3-1/2" | 90 | 101.6 | 38 | ICRS3121338 | ICRS3121938 | ICRS3122538 | ICRS3123238 | ICRS3123838 | ICRS3125038 | ICRS3126538 | ICRS3127538 |
| 4" | 100 | 114.3 | 38 | ICRS41338 | ICRS41938 | ICRS42538 | ICRS43238 | ICRS43838 | ICRS45038 | ICRS46538 | ICRS47538 |
| 5" | 125 | 141.3 | 38 | ICRS51338 | ICRS51938 | ICRS52538 | ICRS53238 | ICRS53838 | ICRS55038 | ICRS56538 | ICRS57538 |
| 6" | 150 | 168.3 | 50 | ICRS61350 | ICRS61950 | ICRS62550 | ICRS63250 | ICRS63850 | ICRS65050 | ICRS66550 | ICRS67550 |
| 8" | 200 | 219.1 | 50 | ICRS81350 | ICRS81950 | ICRS82550 | ICRS83250 | ICRS83850 | ICRS85050 | ICRS86550 | ICRS87550 |
| 10" | 250 | 273 | 50 | - | - | ICRS102550 | ICRS103250 | ICRS103850 | ICRS105050 | ICRS106550 | ICRS107550 |
| 12" | 300 | 323.8 | 50 | - | - | ICRS122550 | ICRS123250 | ICRS123850 | ICRS125050 | ICRS126550 | ICRS127550 |
| 14" | 350 | 355.6 | 50 | - | - | ICRS142550 | ICRS143250 | ICRS143850 | ICRS145050 | ICRS146550 | ICRS147550 |
| 16" | 400 | 406.4 | 50 | - | - | ICRS162550 | ICRS163250 | ICRS163850 | ICRS165050 | ICRS166550 | ICRS167550 |
| 18" | 450 | 457.2 | 50 | - | - | ICRS182550 | ICRS183250 | ICRS183850 | ICRS185050 | ICRS186550 | ICRS187550 |
| 20" | 500 | 508 | 50 | - | - | ICRS202550 | ICRS203250 | ICRS203850 | ICRS205050 | ICRS206550 | ICRS207550 |
| 24" | 600 | 609.6 | 50 | - | - | ICRS242550 | ICRS243250 | ICRS243850 | ICRS245050 | ICRS246550 | ICRS247550 |



RUBBER SUPPORT INSERTS

C

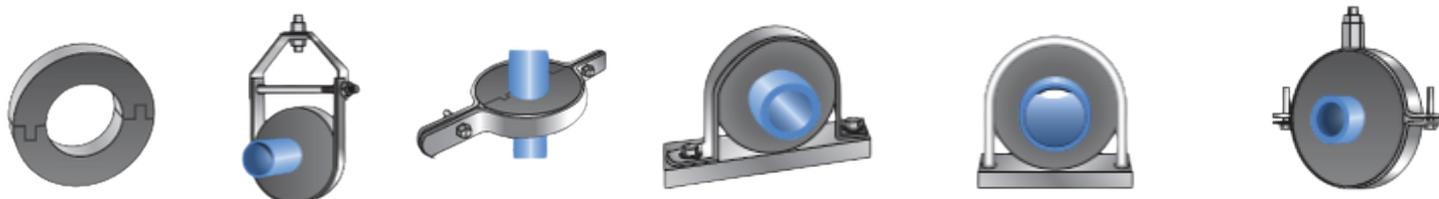


- Used at the supporting points of insulated pipes to prevent crushing of insulation.
 - Inherently superior to wood.
 - Dimensionally accurate as each piece is moulded.
 - Tongue and groove design.
 - Available with steel reinforcements for higher sizes.
 - Non standard widths also available.
- Excellent resistance to deterioration/distortion.

- Thermal conductivity: 0.16w/m
- Standard width
- 1/2" to 2"-25mm
- 2-1/2" to 5"-38mm
- 6" and above -50mm
- Density: 110-1400 kg/m
- Temperature Resistance-20 C to +110 C
- Designed to meet BS3974-1 :1974

Rubber Support Insert For Copper Pipe

| Pipe Size | DN | D (mm) | B | T(RSI Thickness in mm) | | | | | |
|-----------|-----|--------|----|------------------------|-------------|-------------|-------------|-------------|-------------|
| | | | | 13 mm | 19 mm | 25 mm | 32 mm | 38 mm | 50 mm |
| 16 | 16 | 21.3 | 25 | ICRS161325 | ICRS161925 | ICRS162525 | ICRS163225 | ICRS163825 | ICRS165025 |
| 22 | 22 | 26.7 | 25 | ICRS121325 | ICRS121925 | ICRS122525 | ICRS123225 | ICRS123825 | ICRS125025 |
| 28 | 28 | 33.4 | 25 | ICRS341325 | ICRS341925 | ICRS342525 | ICRS343225 | ICRS343825 | ICRS345025 |
| 32 | 32 | 42.1 | 25 | ICRS321325 | ICRS321925 | ICRS322525 | ICRS323225 | ICRS323825 | ICRS325025 |
| 35 | 35 | 48.2 | 25 | ICRS11325 | ICRS11925 | ICRS352525 | ICRS13225 | ICRS13825 | ICRS15025 |
| 42 | 42 | 60.3 | 25 | ICRS1141325 | ICRS1141925 | ICRS1142525 | ICRS1143225 | ICRS1143825 | ICRS1145025 |
| 48 | 48 | 73 | 25 | ICRS1121325 | ICRS1121925 | ICRS1122525 | ICRS1123225 | ICRS1123825 | ICRS1125025 |
| 54 | 54 | 88.9 | 25 | ICRS541325 | ICRS541925 | ICRS542525 | ICRS543225 | ICRS543825 | ICRS545025 |
| 63 | 63 | 101.6 | 25 | ICRS631325 | ICRS631925 | ICRS632525 | ICRS633225 | ICRS633825 | ICRS635025 |
| 67 | 67 | 114.3 | 25 | ICRS671325 | ICRS671925 | ICRS672525 | ICRS673225 | ICRS673825 | ICRS675025 |
| 76 | 76 | 141.3 | 38 | ICRS761338 | ICRS761938 | ICRS762538 | ICRS763238 | ICRS763838 | ICRS765038 |
| 89 | 89 | 168.3 | 38 | ICRS891338 | ICRS891938 | ICRS892538 | ICRS893238 | ICRS893838 | ICRS895038 |
| 108 | 108 | 219.1 | 38 | ICRS1081338 | ICRS1081938 | ICRS1082538 | ICRS1083238 | ICRS1083838 | ICRS1085038 |
| 133 | 133 | 273 | 38 | ICRS1331338 | ICRS1331938 | ICRS1332538 | ICRS1333238 | ICRS1333838 | ICRS1335038 |
| 160 | 160 | 323.8 | 50 | ICRS1601350 | ICRS1601950 | ICRS1602550 | ICRS1603238 | ICRS1603838 | ICRS1605038 |



CLAMPS SELECTION CHART-STEEL PIPE



CLAMPS SELECTION FOR 13MM THICK RUBBER SUPPORT

| Size | OD | RSI OD | Total OD | U Strap | Split Clamp | U Bolt | Clevis Hanger | Riser Clamp |
|--------|-------|---------------------------------|----------|------------|-------------|------------|---------------|-------------|
| 1/2" | 21.3 | 1/ 2 "x 13mm x 25(ICRS0121325) | 47.3 | IC12505048 | IC12500048 | IC12509048 | IC12504048 | IC12507048 |
| 3/4" | 26.7 | 3 /4 "x 13mm x 25 (ICRS341325) | 52.7 | IC12505054 | IC12500054 | IC12509060 | IC12504054 | IC12507054 |
| 1" | 33.4 | 1 "x 13mm x 25(ICRS11325) | 59.4 | IC12505060 | IC12500060 | IC12509060 | IC12504060 | IC12507060 |
| 1-1/4" | 42.1 | 1-1/4 "x 13mm x 25(ICRS1141325) | 68.1 | IC12505072 | IC12500070 | IC12509072 | IC12504072 | IC12507072 |
| 1-1/2" | 48.2 | 1-1/2 "x 13mm x 25(ICRS1121325) | 74.2 | IC12505075 | IC12500075 | IC12509075 | IC12504075 | IC12507075 |
| 2" | 60.3 | 2 "x 13mm x 25(ICRS21325) | 86.3 | IC12505086 | IC12500086 | IC12509086 | IC12504086 | IC12507086 |
| 2-1/2" | 73 | 2-1/2 "x 13mm x 38(ICRS2121338) | 99 | IC12505100 | IC12500100 | IC12509098 | IC12504100 | IC12507100 |
| 3" | 88.9 | 3 "x 13mm x 38(ICRS31338) | 114.9 | IC12505115 | IC12500115 | IC12509115 | IC12504115 | IC12507115 |
| 3-1/2" | 101.6 | 3-1/2 "x 13mm x 38(ICRS3121338) | 127.6 | IC12505125 | IC12500125 | IC12509125 | IC12504125 | IC12507125 |
| 4" | 114.3 | 4 "x 13mm x 38(ICRS41338) | 140.3 | IC12505140 | IC12500140 | IC12509140 | IC12504140 | IC12507140 |
| 5" | 141.3 | 5 "x 13mm x 38(ICRS51338) | 167.3 | IC12505168 | IC12500168 | IC12509168 | IC12504168 | IC12507168 |
| 6" | 168.3 | 6 "x 13mm x 50(ICRS61350) | 194.3 | IC12505195 | - | IC12509195 | IC12504195 | IC12507192 |
| 8" | 219.1 | 8 "x 13mm x 50(ICRS81350) | 245.1 | IC12505245 | - | IC12509242 | IC12504245 | IC12507245 |

CLAMPS SELECTION FOR 19MM THICK RUBBER SUPPORT

| Size | OD | RSI OD | Total OD | U Strap | Split Clamp | U Bolt | Clevis Hanger | Riser Clamp |
|--------|-------|----------------------------------|----------|------------|-------------|------------|---------------|-------------|
| 1/2" | 21.3 | 1/ 2 "x 19mm x 25 (ICRS0121925) | 59.3 | IC12505060 | IC12500060 | IC12509060 | IC12504060 | IC12507060 |
| 3/4" | 26.7 | 3 /4 "x 19mm x 25 (ICRS341925) | 64.7 | IC12505066 | IC12500063 | IC12509065 | IC12504065 | IC12507065 |
| 1" | 33.4 | 1 "x 19mm x 25 (ICRS341925) | 71.4 | IC12505072 | IC12500070 | IC12509072 | IC12504072 | IC12507072 |
| 1-1/4" | 42.1 | 1-1/4 "x 19mm x 25 (ICRS1141925) | 80.1 | IC12505080 | IC12500080 | IC12509080 | IC12504080 | IC12507080 |
| 1-1/2" | 48.2 | 1-1/2 "x 19mm x 25 (ICRS1121925) | 86.2 | IC12505086 | IC12500086 | IC12509086 | IC12504086 | IC12507086 |
| 2" | 60.3 | 2 "x 19mm x 25 (ICRS21925) | 98.3 | IC12505098 | IC12500100 | IC12509098 | IC12504099 | IC12507098 |
| 2-1/2" | 73 | 2-1/2 "x 19mm x 38 (ICRS2121938) | 111 | IC12505110 | IC12500110 | IC12509110 | IC12504111 | IC12507110 |
| 3" | 88.9 | 3 "x 19mm x 38 (ICRS31938) | 126.9 | IC12505127 | IC12500125 | IC12509127 | IC12504127 | IC12507125 |
| 3-1/2" | 101.6 | 3-1/2 "x 19mm x 38 (ICRS3121938) | 139.6 | IC12505140 | IC12500140 | IC12509140 | IC12504140 | IC12507140 |
| 4" | 114.3 | 4 "x 19mm x 38 (ICRS41938) | 152.3 | IC12505153 | IC12500150 | IC12509153 | IC12504153 | IC12507150 |
| 5" | 141.3 | 5 "x 19mm x 38 (ICRS51938) | 179.3 | IC12505179 | - | IC12509179 | IC12504179 | IC12507180 |
| 6" | 168.3 | 6 "x 13mm x 50 (ICRS61950) | 206.3 | IC12505205 | - | IC12509206 | IC12504206 | IC12507206 |
| 8" | 219.1 | 8 "x 19mm x 50 (ICRS81950) | 257.1 | IC12505258 | - | IC12509258 | IC12504258 | IC12507258 |

CLAMPS SELECTION FOR 25MM THICK RUBBER SUPPORT

C

| Size | OD | Rubber Support Size | Total OD | Clevis Hanger | Split Clamp | U Bolt | U Strap | Riser Clamp |
|--------|-------|----------------------------------|----------|---------------|-------------|------------|------------|-------------|
| 1/2" | 21.3 | 1/2" x 25mm x 25 (ICRS0121925) | 71.3 | IC12504022 | IC12500070 | IC12509072 | IC12505072 | IC12507072 |
| 3/4" | 26.7 | 3/4" x 25mm x 25 (ICRS341925) | 76.7 | IC12504028 | IC12500075 | IC12509077 | IC12505077 | IC12507075 |
| 1" | 33.4 | 1" x 25mm x 25 (ICRS11925) | 83.4 | IC12504035 | IC12500083 | IC12509084 | IC12505084 | IC12507080 |
| 1-1/4" | 42.1 | 1-1/4" x 25mm x 25 (ICRS1141925) | 92.1 | IC12504040 | IC12500090 | IC12509092 | IC12505092 | IC12507092 |
| 1-1/2" | 48.2 | 1-1/2" x 25mm x 25 (ICRS1121925) | 98.2 | IC12504048 | IC12500100 | IC12509098 | IC12505098 | IC12507098 |
| 2" | 60.3 | 2" x 25mm x 25 (ICRS21925) | 110.3 | IC12504060 | IC12500110 | IC12509110 | IC12505111 | IC12507110 |
| 2-1/2" | 73 | 2-1/2" x 25mm x 38 (ICRS2121938) | 123 | IC12504073 | IC12500125 | IC12509123 | IC12505123 | IC12507123 |
| 3" | 88.9 | 3" x 25mm x 38 (ICRS31938) | 138.9 | IC12504089 | IC12500140 | IC12509139 | IC12505140 | IC12507139 |
| 3-1/2" | 101.6 | 3-1/2" x 25mm x 38 (ICRS3121938) | 151.6 | IC12504105 | IC12500150 | IC12509152 | IC12505153 | IC12507150 |
| 4" | 114.3 | 4" x 25mm x 38 (ICRS41938) | 164.3 | IC12504115 | IC12500168 | IC12509165 | IC12505165 | IC12507165 |
| 5" | 141.3 | 5" x 25mm x 38 (ICRS51938) | 191.3 | IC12504140 | - | IC12509192 | IC12505190 | IC12507192 |
| 6" | 168.3 | 6" x 25mm x 50 (ICRS61950) | 218.3 | IC12504168 | - | IC12509219 | IC12505219 | IC12507219 |
| 8" | 219.1 | 8" x 25mm x 50 (ICRS81950) | 269.1 | IC12504219 | - | IC12509269 | IC12505269 | IC12507269 |
| 10" | 273.0 | 10" x 25mm x 50 (ICRS102550) | 323.0 | IC12504273 | - | IC12509323 | IC12505323 | IC12507323 |
| 12" | 323.8 | 12" x 25mm x 50 (ICRS122550) | 373.8 | IC12504523 | - | IC12509374 | IC12505374 | IC12507374 |
| 14" | 355.6 | 14" x 25mm x 50 (ICRS142550) | 405.6 | IC12504555 | - | IC12509406 | IC12505406 | IC12507406 |
| 16" | 406.4 | 16" x 25mm x 50 (ICRS162550) | 456.4 | IC12504406 | - | IC12509457 | IC12505454 | IC12507457 |

CLAMPS SELECTION FOR 32MM THICK RUBBER SUPPORT

| Size | OD | RSI OD | Total OD | Clevis Hanger | Split Clamp | U Bolt | U Strap | Riser Clamp |
|--------|-------|----------------------------------|----------|---------------|-------------|------------|------------|-------------|
| 1/2" | 21.3 | 1/2" x 32mm x 25 (ICRS0123225) | 85.3 | IC12504086 | IC12500086 | IC12509086 | IC12505086 | IC12507086 |
| 3/4" | 26.7 | 3/4" x 32mm x 25 (ICRS343225) | 90.7 | IC12504090 | IC12500090 | IC12509090 | IC12505090 | IC12507090 |
| 1" | 33.4 | 1" x 32mm x 25 (ICRS13225) | 97.4 | IC12504098 | IC12500100 | IC12509098 | IC12505098 | IC12507098 |
| 1-1/4" | 42.1 | 1-1/4" x 32mm x 25 (ICRS1143225) | 106.1 | IC12504106 | IC12500110 | IC12509106 | IC12505105 | IC12507106 |
| 1-1/2" | 48.2 | 1-1/2" x 32mm x 25 (ICRS1123225) | 112.2 | IC12504115 | IC12500115 | IC12509113 | IC12505111 | IC12507115 |
| 2" | 60.3 | 2" x 32mm x 25 (ICRS23225) | 124.3 | IC12504125 | IC12500125 | IC12509125 | IC12505125 | IC12507125 |
| 2-1/2" | 73 | 2-1/2" x 32mm x 38 (ICRS2123238) | 137 | IC12504137 | IC12500140 | IC12509137 | IC12505137 | IC12507137 |
| 3" | 88.9 | 3" x 32mm x 38 (ICRS33238) | 152.9 | IC12504153 | IC12500150 | IC12509153 | IC12505153 | IC12507153 |
| 3-1/2" | 101.6 | 3-1/2" x 32mm x 38 (ICRS3123238) | 165.6 | IC12504168 | IC12500168 | IC12509168 | IC12505165 | IC12507168 |
| 4" | 114.3 | 4" x 32mm x 38 (ICRS43238) | 178.3 | IC12504179 | - | IC12509179 | IC12505179 | IC12507179 |
| 5" | 141.3 | 5" x 32mm x 38 (ICRS53238) | 205.3 | IC12504206 | - | IC12509206 | IC12505206 | IC12507206 |
| 6" | 168.3 | 6" x 32mm x 50 (ICRS63250) | 232.3 | IC12504233 | - | IC12509233 | IC12505233 | IC12507233 |
| 8" | 219.1 | 8" x 32mm x 50 (ICRS83250) | 283.1 | IC12504284 | - | IC12509284 | IC12505283 | IC12507284 |
| 10" | 273 | 10" x 32mm x 50 (ICRS103250) | 337 | IC12504337 | - | IC12509337 | IC12505337 | IC12507337 |
| 12" | 323.8 | 12" x 32mm x 50 (ICRS123250) | 387.8 | IC12504388 | - | IC12509388 | IC12505388 | IC12507388 |
| 14" | 355.6 | 14" x 32mm x 50 (ICRS143250) | 419.6 | IC12504420 | - | IC12509420 | IC12505420 | IC12507420 |
| 16" | 406.4 | 16" x 32mm x 50 (ICRS163250) | 470.4 | IC12504473 | - | IC12509472 | IC12505472 | IC12507473 |
| 18" | 457.2 | 18" x 32mm x 50 (ICRS183250) | 521.2 | IC12504522 | - | IC12509522 | IC12505522 | IC12507522 |
| 20" | 508 | 20" x 32mm x 50 (ICRS203250) | 572 | IC12504572 | - | IC12509571 | IC12505572 | IC12507572 |
| 24" | 609.6 | 24" x 32mm x 50 (ICRS243250) | 673.6 | IC12504674 | - | IC12509647 | IC12505674 | IC12507674 |

CLAMPS SELECTION CHART-STEEL PIPE



CLAMPS SELECTION FOR 38MM THICK RUBBER SUPPORT

C

| Size | OD | RSI OD | Total OD | Clevis Hanger | Split Clamp | U Bolt | U Strap | Riser Clamp |
|--------|-------|---------------------------------|----------|---------------|-------------|------------|------------|-------------|
| 1/2" | 21.3 | 1/ 2"x 38mm x 25 (ICRS0123825) | 97.3 | IC12504098 | IC12500100 | IC12509098 | IC12505098 | IC12507098 |
| 3/4" | 26.7 | 3 /4"x 38mm x 25 (ICRS343825) | 102.7 | IC12504103 | IC12500100 | IC12509103 | IC12505100 | IC12507100 |
| 1" | 33.4 | 1"x 38mm x 25 (ICRS13825) | 109.4 | IC12504110 | IC12500110 | IC12509110 | IC12505111 | IC12507110 |
| 1-1/4" | 42.1 | 1-1/4"x 38mm x 25 (ICRS1143825) | 118.1 | IC12504120 | IC12500115 | IC12509119 | IC12505119 | IC12507115 |
| 1-1/2" | 48.2 | 1-1/2"x 38mm x 25 (ICRS1123825) | 124.2 | IC12504125 | IC12500125 | IC12509125 | IC12505125 | IC12507125 |
| 2" | 60.3 | 2"x 38mm x 25 (ICRS23825) | 136.3 | IC12504137 | IC12500140 | IC12509137 | IC12505137 | IC12507134 |
| 2-1/2" | 73.3 | 2-1/2"x 38mm x 38 (ICRS2123838) | 149.0 | IC12504148 | IC12500150 | IC12509148 | IC12505148 | IC12507150 |
| 3" | 88.9 | 3"x 38mm x 38 (ICRS33838) | 164.9 | IC12504165 | IC12500168 | IC12509165 | IC12505165 | IC12507165 |
| 3-1/2" | 101.6 | 3-1/2"x 38mm x 38 (ICRS3123838) | 177.6 | IC12504179 | IC12500168 | IC12509179 | IC12505179 | IC12507179 |
| 4" | 114.3 | 4"x 38mm x 38 (ICRS43838) | 190.3 | IC12504192 | - | IC12509190 | IC12505191 | IC12507191 |
| 5" | 141.3 | 5"x 38mm x 38 (ICRS53838) | 217.3 | IC12504219 | - | IC12509219 | IC12505219 | IC12507218 |
| 6" | 168.3 | 6"x 38mm x 50 (ICRS63850) | 244.3 | IC12504245 | - | IC12509245 | IC12505245 | IC12507245 |
| 8" | 219.1 | 8"x 38mm x 50 (ICRS83850) | 295.1 | IC12504295 | - | IC12509299 | IC12505295 | IC12507291 |
| 10" | 273.0 | 10"x 38mm x 50 (ICRS103850) | 349.0 | IC12504349 | - | IC12509350 | IC12505349 | IC12507349 |
| 12" | 323.8 | 12"x 38mm x 50 (ICRS123850) | 399.8 | IC12504400 | - | IC12509400 | IC12505404 | IC12507400 |
| 14" | 355.6 | 14"x 38mm x 50 (ICRS143850) | 431.6 | IC12504432 | - | IC12509435 | IC12505432 | IC12507432 |
| 16" | 406.4 | 16"x 38mm x 50 (ICRS163850) | 482.4 | IC12504486 | - | IC12509482 | IC12505482 | IC12507483 |
| 18" | 457.2 | 18"x 38mm x 50 (ICRS183850) | 521.2 | IC12504534 | - | IC12509536 | IC12505534 | IC12507534 |
| 20" | 508.0 | 20"x 38mm x 50 (ICRS203850) | 572.0 | IC12504584 | - | IC12509584 | IC12505580 | IC12507584 |
| 24" | 609.6 | 24"x 38mm x 50 (ICRS243850) | 673.6 | IC12504686 | - | IC12509686 | IC12505686 | IC12507686 |

CLAMPS SELECTION FOR 50MM THICK RUBBER SUPPORT

| Size | OD | RSI OD | Total OD | Clevis Hanger | Split Clamp | U Bolt | U Strap | Riser Clamp |
|--------|-------|----------------------------------|----------|---------------|-------------|------------|------------|-------------|
| 1/2" | 21.3 | 1/ 2 "x 32mm x 25 (ICRS0125025) | 121.3 | IC12504122 | IC12500120 | IC12509122 | IC12505119 | IC12507123 |
| 3/4" | 26.7 | 3 /4 "x 32mm x 25 (ICRS345025) | 126.7 | IC12504127 | IC12500125 | IC12509127 | IC12505127 | IC12507125 |
| 1" | 33.4 | 1 "x 32mm x 25 (ICRS15025) | 133.4 | IC12504137 | IC12500133 | IC12509134 | IC12505133 | IC12507134 |
| 1-1/4" | 42.1 | 1-1/4 "x 32mm x 25 (ICRS1145025) | 142.1 | IC12504140 | IC12500140 | IC12509142 | IC12505142 | IC12507140 |
| 1-1/2" | 48.2 | 1-1/2 "x 32mm x 25 (ICRS1125025) | 148.2 | IC12504148 | IC12500150 | IC12509148 | IC12505148 | IC12507148 |
| 2" | 60.3 | 2 "x 32mm x 25 (ICRS25025) | 160.3 | IC12504160 | IC12500160 | IC12509160 | IC12505160 | IC12507160 |
| 2-1/2" | 73.3 | 2-1/2 "x 32mm x 38 (ICRS2125038) | 173 | IC12504173 | - | IC12509173 | IC12505173 | IC12507173 |
| 3" | 88.9 | 3 "x 32mm x 38 (ICRS35038) | 188.9 | IC12504191 | - | IC12509190 | IC12505190 | IC12507190 |
| 3-1/2" | 101.6 | 3-1/2 "x 32mm x 38 (ICRS3125038) | 201.6 | IC12504202 | - | IC12509203 | IC12505203 | IC12507200 |
| 4" | 114.3 | 4 "x 32mm x 38 (ICRS45038) | 214.3 | IC12504215 | - | IC12509215 | IC12505215 | IC12507215 |
| 5" | 141.3 | 5 "x 32mm x 38 (ICRS55038) | 241.3 | IC12504242 | - | IC12509242 | IC12505242 | IC12507240 |
| 6" | 168.3 | 6 "x 32mm x 50 (ICRS65050) | 268.3 | IC12504269 | - | IC12509269 | IC12505269 | IC12507269 |
| 8" | 219.1 | 8 "x 32mm x 50 (ICRS85050) | 319.1 | IC12504320 | - | IC12509320 | IC12505319 | IC12507320 |
| 10" | 273.0 | 10 "x 32mm x 50 (ICRS105050) | 373 | IC12504374 | - | IC12509374 | IC12505374 | IC12507373 |
| 12" | 323.8 | 12 "x 32mm x 50 (ICRS125050) | 423.8 | IC12504424 | - | IC12509424 | IC12505423 | IC12507423 |
| 14" | 355.6 | 14 "x 32mm x 50 (ICRS145050) | 455.6 | IC12504456 | - | IC12509457 | IC12505456 | IC12507456 |
| 16" | 406.4 | 16 "x 32mm x 50 (ICRS165050) | 506.4 | IC12504506 | - | IC12509508 | IC12505508 | IC12507508 |
| 18" | 457.2 | 18 "x 32mm x 50 (ICRS185050) | 557.2 | IC12504558 | - | IC12509556 | IC12505557 | IC12507558 |
| 20" | 508.0 | 20 "x 32mm x 50 (ICRS205050) | 608 | IC12504608 | - | IC12509607 | IC12505608 | IC12507608 |
| 24" | 609.6 | 24 "x 32mm x 50 (ICRS245050) | 709.6 | IC12504710 | - | IC12509710 | IC12505710 | IC12507710 |

CLAMPS SELECTION FOR 65MM THICK RUBBER SUPPORT

C

| Size | OD | RSI OD | Total OD | Clevis Hanger | Split Clamp | U Bolt | U Strap | Riser Clamp |
|--------|-------|---------------------------------|----------|---------------|-------------|------------|------------|-------------|
| 1/2" | 21.3 | 1/2"x 65mm x 25 (ICRS0126525) | 151.3 | IC12504152 | IC12500150 | IC12509152 | IC12505152 | IC12507150 |
| 3/4" | 26.7 | 3/4"x 65mm x 25 (ICRS346525) | 156.7 | IC12504157 | IC12500160 | IC12509157 | IC12505157 | IC12507153 |
| 1" | 33.4 | 1"x 65mm x 25 (ICRS16525) | 163.4 | IC12504165 | IC12500168 | IC12509165 | IC12505165 | IC12507160 |
| 1-1/4" | 42.1 | 1-1/4"x 65mm x 25 (ICRS1146525) | 172.1 | IC12504172 | - | IC12509173 | IC12505172 | IC12507172 |
| 1-1/2" | 48.2 | 1-1/2"x 65mm x 25 (ICRS1126525) | 178.2 | IC12504178 | - | IC12509179 | IC12505178 | IC12507178 |
| 2" | 60.3 | 2"x 65mm x 25(ICRS26525) | 190.3 | IC12504191 | - | IC12509190 | IC12505191 | IC12507191 |
| 2-1/2" | 73 | 2-1/2"x 65mm x 38(ICRS2126538) | 203 | IC12504203 | - | IC12509203 | IC12505203 | IC12507206 |
| 3" | 88.9 | 3"x 65mm x 38 (ICRS36538) | 218.9 | IC12504219 | - | IC12509219 | IC12505219 | IC12507219 |
| 3-1/2" | 101.6 | 3-1/2"x 65mm x 38 (ICRS3126538) | 231.6 | IC12504232 | - | IC12509233 | IC12505232 | IC12507232 |
| 4" | 114.3 | 4"x 65mm x 38 (ICRS46538) | 244.3 | IC12504245 | - | IC12509245 | IC12505245 | IC12507245 |
| 5" | 141.3 | 5"x 65mm x 38(ICRS56538) | 271.3 | IC12504272 | - | IC12509273 | IC12505272 | IC12507273 |
| 6" | 168.3 | 6"x 65mm x 50 (ICRS66550) | 298.3 | IC12504299 | - | IC12509299 | IC12505299 | IC12507299 |
| 8" | 219.1 | 8"x 65mm x 50 (ICRS86550) | 349.1 | IC12504350 | - | IC12509350 | IC12505350 | IC12507350 |
| 10" | 273 | 10"x 65mm x 50 (ICRS106550) | 403 | IC12504404 | - | IC12509403 | IC12505404 | IC12507403 |
| 12" | 323.8 | 12"x 65mm x 50 (ICRS126550) | 453.8 | IC12504454 | - | IC12509454 | IC12505454 | IC12507456 |
| 14" | 355.6 | 14"x 65mm x 50 (ICRS146550) | 485.6 | IC12504486 | - | IC12509486 | IC12505486 | IC12507483 |
| 16" | 406.4 | 16"x 65mm x 50 (ICRS166550) | 536.4 | IC12504537 | - | IC12509536 | IC12505537 | IC12507534 |
| 18" | 457.2 | 18"x 65mm x 50 (ICRS186550) | 587.2 | IC12504588 | - | IC12509588 | IC12505588 | IC12507584 |
| 20" | 508 | 20"x 65mm x 50 (ICRS206550) | 638 | IC12504639 | - | IC12509639 | IC12505639 | IC12507636 |
| 24" | 609.6 | 24"x 65mm x 50 (ICRS246550) | 739.6 | IC12504740 | - | IC12509740 | IC12505740 | IC12507740 |

CLAMPS SELECTION FOR 75MM THICK RUBBER SUPPORT

| Size | OD | Rubber Support Size | Total OD | Clevis Hanger | Split Clamp | U Bolt | U Strap | Riser Clamp |
|--------|-------|-------------------------------|----------|---------------|-------------|------------|------------|-------------|
| 1/2" | 21.3 | 1/2"x 75mm x 25(ICRS0126525) | 171.3 | IC12504172 | - | IC12509173 | IC12505173 | IC12507173 |
| 3/4" | 26.7 | 3/4"x 75mm x 25(ICRS347525) | 176.7 | IC12504177 | - | IC12509176 | IC12505179 | IC12507179 |
| 1" | 33.4 | 1"x 75mm x 25(ICRS126525) | 183.4 | IC12504184 | - | IC12509184 | IC12505185 | IC12507179 |
| 1-1/4" | 42.1 | 1-1/4"x 75mm x 25(ICRS126525) | 192.1 | IC12504193 | - | IC12509192 | IC12505190 | IC12507192 |
| 1-1/2" | 48.2 | 1-1/2"x 75mm x 25(ICRS126525) | 198.2 | IC12504199 | - | IC12509195 | IC12505200 | IC12507200 |
| 2" | 60.3 | 2"x 75mm x 25(ICRS126525) | 210.3 | IC12504211 | - | IC12509210 | IC12505210 | IC12507206 |
| 2-1/2" | 73 | 2-1/2"x 75mm x 38(ICRS126525) | 223 | IC12504223 | - | IC12509223 | IC12505223 | IC12507223 |
| 3" | 88.9 | 3"x 75mm x 38(ICRS126525) | 238.9 | IC12504239 | - | IC12509239 | IC12505241 | IC12507240 |
| 3-1/2" | 101.6 | 3-1/2"x 75mm x 38(ICRS126525) | 251.6 | IC12504252 | - | IC12509250 | IC12505250 | IC12507245 |
| 4" | 114.3 | 4"x 75mm x 38(ICRS126525) | 264.3 | IC12504265 | - | IC12509265 | IC12505263 | IC12507265 |
| 5" | 141.3 | 5"x 75mm x 38(ICRS126525) | 291.3 | IC12504295 | - | IC12509292 | IC12505292 | IC12507291 |
| 6" | 168.3 | 6"x 75mm x 50(ICRS126525) | 318.3 | IC12504320 | - | IC12509319 | IC12505319 | IC12507319 |
| 8" | 219.1 | 8"x 75mm x 50(ICRS126525) | 369.1 | IC12504369 | - | IC12509370 | IC12505369 | IC12507369 |
| 10" | 273 | 10"x 75mm x 50(ICRS126525) | 423 | IC12504424 | - | IC12509424 | IC12505423 | IC12507423 |
| 12" | 323.8 | 12"x 75mm x 50(ICRS126525) | 473.8 | IC12504473 | - | IC12509474 | IC12505472 | IC12507471 |
| 14" | 355.6 | 14"x 75mm x 50(ICRS126525) | 505.6 | IC12504508 | - | IC12509508 | IC12505506 | IC12507508 |
| 16" | 406.4 | 16"x 75mm x 50(ICRS126525) | 556.4 | IC12504558 | - | IC12509556 | IC12505557 | IC12507558 |
| 18" | 457.2 | 18"x 75mm x 50(ICRS126525) | 607.2 | IC12504608 | - | IC12509610 | IC12505608 | IC12507608 |
| 20" | 508 | 20"x 75mm x 50(ICRS126525) | 658 | IC12504660 | - | IC12509660 | IC12505658 | IC12507660 |
| 24" | 609.6 | 24"x 75mm x 50(ICRS126525) | 759.6 | IC12504760 | - | IC12509760 | IC12505760 | IC12507755 |

CLAMPS SELECTION FOR 13MM THICK RUBBER SUPPORT

C

| Size | OD | Rubber Support Size | Total OD | Clevis Hanger | Split Clamp | U Bolt | U Strap |
|------|-----|-------------------------------|----------|---------------|-------------|------------|------------|
| 16 | 16 | 16 x 13mm x 25 (ICRS161325) | 42 | IC12504040 | IC12500040 | IC12509042 | IC12505042 |
| 22 | 22 | 22 x 13mm x 25 (ICRS121325) | 48 | IC12504048 | IC12500048 | IC12509048 | IC12505048 |
| 28 | 28 | 28 x 13mm x 25 (ICRS341325) | 54 | IC12504054 | IC12500054 | IC12509054 | IC12505054 |
| 32 | 32 | 32 x 13mm x 25 (ICRS321325) | 58 | IC12504060 | IC12500060 | IC12509060 | IC12505060 |
| 35 | 35 | 35 x 13mm x 25 (ICRS11325) | 61 | IC12504060 | IC12500060 | IC12509060 | IC12505060 |
| 42 | 42 | 42x 13mm x 25 (ICRS1141325) | 68 | IC12504070 | IC12500070 | IC12509070 | IC12505070 |
| 48 | 48 | 48 x 13mm x 38(ICRS1121325) | 74 | IC12504080 | IC12500077 | IC12509075 | IC12505075 |
| 54 | 54 | 54 x 13mm x 38(ICRS541325) | 80 | IC12504080 | IC12500080 | IC12509080 | IC12505080 |
| 63 | 63 | 63 x 13mm x 38(ICRS631325) | 89 | IC12504093 | IC12500090 | IC12509090 | IC12505090 |
| 67 | 67 | 67 x 13mm x 38(ICRS671338) | 93 | IC12504293 | IC12500098 | IC12509098 | IC12505292 |
| 76 | 76 | 76 x 13mm x 38 (ICRS761338) | 102 | IC12504105 | IC12500105 | IC12509105 | IC12505105 |
| 89 | 89 | 89 x 13mm x 38 (ICRS761338) | 115 | IC12504115 | IC12500115 | IC12509115 | IC12505115 |
| 108 | 108 | 108 x 13mm x 38 (ICRS1081338) | 134 | IC12504137 | IC12500133 | IC12509137 | IC12505137 |
| 133 | 133 | 133 x 13mm x 38 (ICRS1331338) | 159 | IC12504160 | IC12500160 | IC12509160 | IC12505160 |
| 160 | 160 | 160 x 13mm x 50(ICRS1601338) | 186 | IC12504192 | - | IC12509192 | IC12505191 |

CLAMPS SELECTION FOR 19MM THICK RUBBER SUPPORT

| Size | OD | RSI OD | Total OD | Clevis Hanger | Split Clamp | U Bolt | U Strap |
|------|-----|-------------------------------|----------|---------------|-------------|------------|------------|
| 16 | 16 | 16 x 13mm x 25 (ICRS161325) | 42 | IC12504040 | IC12500040 | IC12509054 | IC12505054 |
| 22 | 22 | 22 x 13mm x 25 (ICRS121325) | 48 | IC12504048 | IC12500048 | IC12509060 | IC12505060 |
| 28 | 28 | 28 x 13mm x 25 (ICRS341325) | 54 | IC12504054 | IC12500054 | IC12509065 | IC12505065 |
| 32 | 32 | 32 x 13mm x 25 (ICRS321325) | 58 | IC12504060 | IC12500060 | IC12509070 | IC12505070 |
| 35 | 35 | 35 x 13mm x 25 (ICRS11325) | 61 | IC12504060 | IC12500060 | IC12509075 | IC12505075 |
| 42 | 42 | 42x 13mm x 25 (ICRS1141325) | 68 | IC12504070 | IC12500070 | IC12509080 | IC12505080 |
| 48 | 48 | 48 x 13mm x 38(ICRS1121325) | 74 | IC12504080 | IC12500077 | IC12509090 | IC12505090 |
| 54 | 54 | 54 x 13mm x 38(ICRS541325) | 80 | IC12504080 | IC12500080 | IC12509090 | IC12505090 |
| 63 | 63 | 63 x 13mm x 38(ICRS631325) | 89 | IC12504093 | IC12500090 | IC12509101 | IC12505100 |
| 67 | 67 | 67 x 13mm x 38(ICRS671338) | 93 | IC12504293 | IC12500098 | IC12509105 | IC12505105 |
| 76 | 76 | 76 x 13mm x 38 (ICRS761338) | 102 | IC12504105 | IC12500105 | IC12509115 | IC12505115 |
| 89 | 89 | 89 x 13mm x 38 (ICRS761338) | 115 | IC12504115 | IC12500115 | IC12509127 | IC12505127 |
| 108 | 108 | 108 x 13mm x 38 (ICRS1081338) | 134 | IC12504137 | IC12500133 | IC12509148 | IC12505150 |
| 133 | 133 | 133 x 13mm x 38 (ICRS1331338) | 159 | IC12504160 | IC12500160 | IC12509173 | IC12505173 |
| 160 | 160 | 160 x 13mm x 50(ICRS1601338) | 186 | IC12504192 | - | IC12509200 | IC12505200 |

CLAMPS SELECTION FOR 25MM THICK RUBBER SUPPORT

C

| Size | OD | Rubber Support Size | Total OD | Clevis Hanger | Split Clamp | U Bolt | U Strap |
|------|-----|---------------------------------|----------|---------------|-------------|------------|------------|
| 16 | 16 | 16 x 25mm x 25(ICRS162525) | 66 | IC12504065 | IC12500063 | IC12509065 | IC12505065 |
| 22 | 22 | 22 x 25mm x 25(ICRS122525) | 72 | IC12504075 | IC12500075 | IC12509075 | IC12505075 |
| 28 | 28 | 28 x 25mm x 25(ICRS342525) | 78 | IC12504080 | IC12500080 | IC12509080 | IC12505080 |
| 32 | 32 | 32 x 25mm x 25(ICRS322525) | 82 | IC12504086 | IC12500083 | IC12509080 | IC12505080 |
| 35 | 35 | 35 x 25mm x 25 (ICRS12525) | 85 | IC12504086 | IC12500090 | IC12509086 | IC12505086 |
| 42 | 42 | 42 x 25mm x 25 (ICRS1142525) | 92 | IC12504093 | IC12500090 | IC12509090 | IC12505090 |
| 48 | 48 | 48x 25mm x 25(ICRS1122525) | 98 | IC12504100 | IC12500100 | IC12509100 | IC12505100 |
| 54 | 54 | 54 x 32mm x 25 (ICRS1122525) | 104 | IC12504105 | IC12500105 | IC12509105 | IC12505105 |
| 63 | 63 | 63x 25mm x 25 (ICRS542525) | 113 | IC12504115 | IC12500115 | IC12509115 | IC12505115 |
| 67 | 67 | 67x 25mm x 25 (ICRS632525) | 117 | IC12504115 | IC12500115 | IC12509115 | IC12505115 |
| 76 | 76 | 76x 25mm x 38 (ICRS672538) | 126 | IC12504125 | IC12500125 | IC12509125 | IC12505125 |
| 89 | 89 | 89 x 25mm x 38 (ICRS762538) | 139 | IC12504140 | IC12500140 | IC12509140 | IC12505140 |
| 108 | 108 | 108mm x 25mm x 38 (ICRS32538) | 158 | IC12504160 | IC12500160 | IC12509160 | IC12505160 |
| 133 | 133 | 133mm x 25mm x 38 (ICRS1082538) | 183 | IC12504184 | - | IC12509184 | IC12505184 |
| 160 | 160 | 160mm x 25mm x 50 (ICRS1332538) | 210 | IC12504211 | - | IC12509215 | IC12505210 |

CLAMPS SELECTION FOR 32MM THICK RUBBER SUPPORT

| Size | OD | Rubber Support Size | Total OD | Clevis Hanger | Split Clamp | U Bolt | U Strap |
|------|-----|-------------------------------|----------|---------------|-------------|------------|------------|
| 16 | 16 | 16 x 32mm x 25(ICRS163225) | 80 | IC12504080 | IC12500080 | IC12509080 | IC12505080 |
| 22 | 22 | 22 x 32mm x 25 (ICRS123225) | 86 | IC12504086 | IC12500086 | IC12509086 | IC12505086 |
| 28 | 28 | 28 x 32mm x 25 (ICRS343225) | 92 | IC12504090 | IC12500090 | IC12509090 | IC12505090 |
| 32 | 32 | 32 x 32mm x 25 (ICRS323225) | 96 | IC12504100 | IC12500100 | IC12509100 | IC12505098 |
| 35 | 35 | 35 x 32mm x 25 (ICRS13225) | 99 | IC12504100 | IC12500100 | IC12509100 | IC12505105 |
| 42 | 42 | 42 x 32mm x 25 (ICRS1143225) | 106 | IC12504105 | IC12500105 | IC12509105 | IC12505105 |
| 48 | 48 | 48 x 32mm x 25 (ICRS1123225) | 112 | IC12504115 | IC12500115 | IC12509115 | IC12505115 |
| 54 | 54 | 54 x 32mm x 25 (ICRS1123225) | 118 | IC12504115 | IC12500115 | IC12509125 | IC12505115 |
| 63 | 63 | 63 x 32mm x 25 (ICRS543225) | 127 | IC12504125 | IC12500125 | IC12509125 | IC12505127 |
| 67 | 67 | 67 x 32mm x 25 (ICRS633225) | 131 | IC12504137 | IC12500131 | IC12509137 | IC12505137 |
| 76 | 76 | 76 x 32mm x 38 (ICRS673238) | 140 | IC12504140 | IC12500140 | IC12509140 | IC12505140 |
| 89 | 89 | 89 x 32mm x 38 (ICRS763238) | 153 | IC12504160 | - | IC12509160 | IC12505160 |
| 108 | 108 | 108 x 32mm x 38 (ICRS33238) | 172 | IC12504173 | - | IC12509173 | IC12505173 |
| 133 | 133 | 133 x 32mm x 38 (ICRS1083238) | 197 | IC12504200 | - | IC12509200 | IC12505200 |
| 160 | 160 | 160 x 32mm x 50 (ICRS1333238) | 224 | IC12504225 | - | IC12509225 | IC12505225 |

CLAMPS SELECTION FOR 38MM THICK RUBBER SUPPORT

C

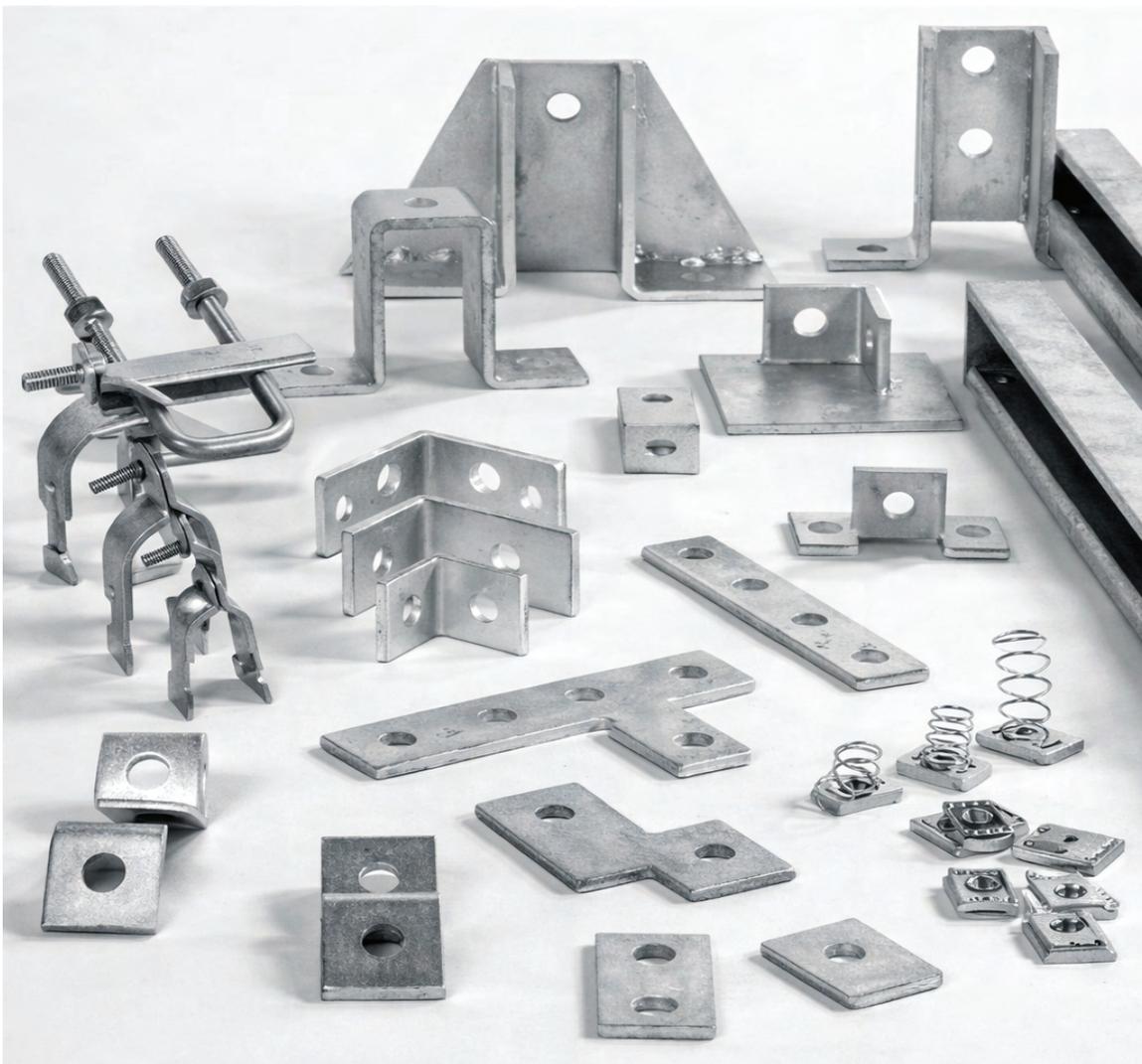
| Size | OD | Rubber Support Size | Total OD | Clevis Hanger | Split Clamp | U Bolt | U Strap |
|------|-----|------------------------------|----------|---------------|-------------|------------|------------|
| 16 | 16 | 16 x 38mm x 25(ICRS163825) | 92 | IC12504093 | IC12500090 | IC12509090 | IC12505090 |
| 22 | 22 | 22x 38mm x 25(ICRS123825) | 98 | IC12504098 | IC12500100 | IC12509100 | IC12505100 |
| 28 | 28 | 28 x 38mm x 25(ICRS343825) | 104 | IC12504105 | IC12500105 | IC12509105 | IC12505105 |
| 32 | 32 | 32 x 38mm x 25(ICRS323825) | 108 | IC12504115 | IC12500115 | IC12509115 | IC12505115 |
| 35 | 35 | 35 x 38mm x 25 (ICRS13825) | 111 | IC12504115 | IC12500115 | IC12509115 | IC12505115 |
| 42 | 42 | 42 x 38mm x 25 (ICRS1143825) | 118 | IC12504115 | IC12500115 | IC12509115 | IC12505115 |
| 48 | 48 | 48 x 38mm x 25 (ICRS1123825) | 124 | IC12504125 | IC12500125 | IC12509125 | IC12505125 |
| 54 | 54 | 54 x 38mm x 25 (ICRS1123825) | 130 | IC12504135 | IC12500135 | IC12509135 | IC12505135 |
| 63 | 63 | 63 x 38mm x 25 (ICRS543825) | 139 | IC12504140 | IC12500140 | IC12509140 | IC12505140 |
| 67 | 67 | 67 x 38mm x 25 (ICRS633825) | 143 | IC12504140 | IC12500140 | IC12509140 | IC12505140 |
| 76 | 76 | 76 x 38mm x 38 (ICRS673838) | 152 | IC12504153 | IC12500150 | IC12509153 | IC12505153 |
| 89 | 89 | 89 x 38mm x 38 (ICRS763838) | 165 | IC12504165 | - | IC12509165 | IC12505168 |
| 108 | 108 | 108 x 38mm x 38 (ICRS33838) | 184 | IC12504185 | - | IC12509185 | IC12505185 |
| 133 | 133 | 133 x 38mm x 38(ICRS1083838) | 209 | IC12504215 | - | IC12509215 | IC12505210 |
| 160 | 160 | 160 x 38mm x 50(ICRS1333838) | 236 | IC12504240 | - | IC12509235 | IC12505235 |

CLAMPS SELECTION FOR 50MM THICK RUBBER SUPPORT

| Size | OD | RSI OD | Total OD | Clevis Hanger | Split Clamp | U Bolt | U Strap |
|------|-----|------------------------------|----------|---------------|-------------|------------|------------|
| 16 | 16 | 16 x 50mm x 25(ICRS165025) | 116 | IC12504115 | IC12500115 | IC12509115 | IC12505115 |
| 22 | 22 | 22 x 50mm x 25(ICRS125025) | 122 | IC12504125 | IC12500125 | IC12509125 | IC12505125 |
| 28 | 28 | 28 x 50mm x 25(ICRS345025) | 128 | IC12504125 | IC12500125 | IC12509125 | IC12505125 |
| 32 | 32 | 32 x 50mm x 25 (ICRS325025) | 132 | IC12504130 | IC12500133 | IC12509135 | IC12505135 |
| 35 | 35 | 35 x 50mm x 25 (ICRS15025) | 135 | IC12504135 | IC12500133 | IC12509135 | IC12505135 |
| 42 | 42 | 42 x 50mm x 25(ICRS1145025) | 142 | IC12504140 | IC12500140 | IC12509140 | IC12505140 |
| 48 | 48 | 48x 50mm x 38 (ICRS1125025) | 148 | IC12504153 | IC12500150 | IC12509153 | IC12505153 |
| 54 | 54 | 54x 50mm x 38 (ICRS1125025) | 154 | IC12504153 | IC12500150 | IC12509153 | IC12505153 |
| 63 | 63 | 63 x 50mm x 38(ICRS545025) | 163 | IC12504168 | IC12500168 | IC12509168 | IC12505168 |
| 67 | 67 | 67 x 50mm x 38(ICRS635025) | 167 | IC12504168 | IC12500168 | IC12509168 | IC12505168 |
| 76 | 76 | 76 x 50mm x 38(ICRS675038) | 176 | IC12504179 | - | IC12509179 | IC12505179 |
| 89 | 89 | 89 x 50mm x 38(ICRS765038) | 189 | IC12504190 | - | IC12509190 | IC12505190 |
| 108 | 108 | 108 x 50mm x 38(ICRS35038) | 208 | IC12504215 | - | IC12509215 | IC12505210 |
| 133 | 133 | 133 x 50mm x 38(ICRS1085038) | 233 | IC12504240 | - | IC12509235 | IC12505235 |
| 160 | 160 | 160 x50mm x50 (ICRS1335038) | 260 | IC12504260 | - | IC12509260 | IC12505260 |

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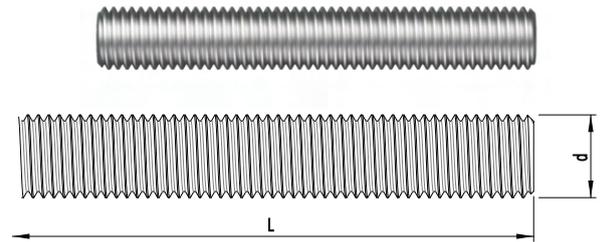


ACCESSORIES

THREADED ROD ZINC PLATED 4.8 GRADE

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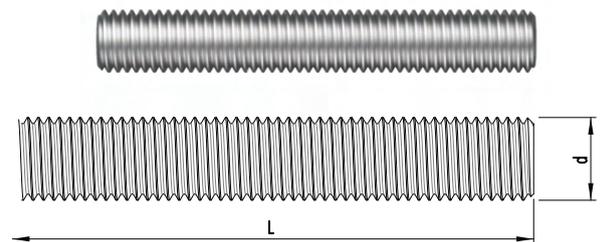
Material: Low Carbon Steel as per ASTM A36 Grade
 Mechanical Grade: 4.8 (as per ISO 898-1)
 Thread Type: Metric
 Thread Angle: 60 degrees (as per ASME B1.1)
 Surface Finish: Zinc Plated (Cr6+)
 Corrosion Resistance: Suitable for indoor, dry environments



| Part No. | Rod Size | Pitch (mm) | OD (mm) | Length (2m) | Length (3m) |
|------------|----------|------------|---------|-------------|-------------|
| IC30101006 | M6 | 1 | 6 | 2 | 3 |
| IC30101008 | M8 | 1.25 | 8 | 2 | 3 |
| IC30101010 | M10 | 1.5 | 10 | 2 | 3 |
| IC30101012 | M12 | 1.75 | 12 | 2 | 3 |
| IC30101014 | M14 | 2 | 14 | 2 | 3 |
| IC30101016 | M16 | 2 | 16 | 2 | 3 |
| IC30102006 | M6 | 1 | 6 | 2 | 3 |
| IC30102008 | M8 | 1.25 | 8 | 2 | 3 |
| IC30102010 | M10 | 1.5 | 10 | 2 | 3 |
| IC30102012 | M12 | 1.75 | 12 | 2 | 3 |
| IC30102014 | M14 | 2 | 14 | 2 | 3 |
| IC30102016 | M16 | 2 | 16 | 2 | 3 |

THREADED ROD ZINC PLATED 8.8 GRADE

Material: Low Carbon Steel as per ASTM A36 Grade
 Mechanical Grade: 8.8 (as per ISO 898-1)
 Thread Type: Metric
 Thread Angle: 60 degrees (as per ASME B1.1)
 Surface Finish: Zinc Plated (Cr6+)
 Corrosion Resistance: Suitable for indoor, dry environments

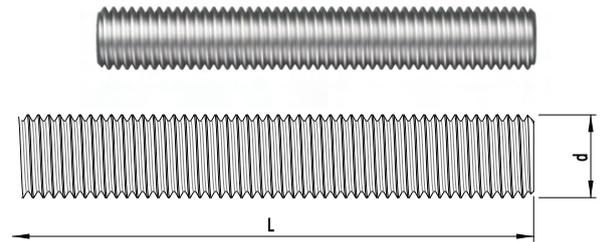


| Part No. | Rod Size | Pitch (mm) | OD (mm) | Length (2m) | Length (3m) |
|------------|----------|------------|---------|-------------|-------------|
| IC30101006 | M6 | 1 | 6 | 2 | 3 |
| IC30101008 | M8 | 1.25 | 8 | 2 | 3 |
| IC30101010 | M10 | 1.5 | 10 | 2 | 3 |
| IC30101012 | M12 | 1.75 | 12 | 2 | 3 |
| IC30101014 | M14 | 2 | 14 | 2 | 3 |
| IC30101016 | M16 | 2 | 16 | 2 | 3 |
| IC30102006 | M6 | 1 | 6 | 2 | 3 |
| IC30102008 | M8 | 1.25 | 8 | 2 | 3 |
| IC30102010 | M10 | 1.5 | 10 | 2 | 3 |
| IC30102012 | M12 | 1.75 | 12 | 2 | 3 |
| IC30102014 | M14 | 2 | 14 | 2 | 3 |
| IC30102016 | M16 | 2 | 16 | 2 | 3 |

THREADED ROD STAINLESS STEEL A2 (AISI304)

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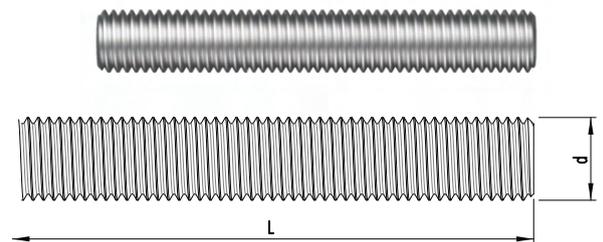
Standard: ASME B1.1 - Unified Inch Screw Threads (adapted for metric)
 Thread Type: Metric Coarse, 60° thread angle
 Thread Angle: 60 degrees (as per ASME B1.1)
 Material: Stainless Steel A2 - AISI 304 / EN 1.4301
 Corrosion Resistance: Excellent in indoor, humid, and mildly corrosive environments (not suitable for chloride-rich or marine-grade zones-use A4 for such applications)



| Part No. | Rod Size | Pitch (mm) | OD (mm) | Length (2m) | Length (3m) |
|------------|----------|------------|---------|-------------|-------------|
| IC30105006 | M6 | 1 | 6 | 2 | 3 |
| IC30105008 | M8 | 1.25 | 8 | 2 | 3 |
| IC30105010 | M10 | 1.5 | 10 | 2 | 3 |
| IC30105012 | M12 | 1.75 | 12 | 2 | 3 |
| IC30105014 | M14 | 2 | 14 | 2 | 3 |
| IC30105016 | M16 | 2 | 16 | 2 | 3 |
| IC30106006 | M6 | 1 | 6 | 2 | 3 |
| IC30106008 | M8 | 1.25 | 8 | 2 | 3 |
| IC30106010 | M10 | 1.5 | 10 | 2 | 3 |
| IC30106012 | M12 | 1.75 | 12 | 2 | 3 |
| IC30106014 | M14 | 2 | 14 | 2 | 3 |
| IC30106016 | M16 | 2 | 16 | 2 | 3 |

THREADED ROD STAINLESS STEEL A4 (AISI 316)

Standard: ASME B1.1 - Unified Inch Screw Threads (adapted for metric)
 Thread Type: Metric Coarse, 60° thread angle
 Thread Angle: 60 degrees (as per ASME B1.1)
 Material: Stainless Steel A4 - AISI 316 / EN 1.4401 or 1.4404
 Corrosion Resistance: Excellent in marine, saline, chemical, & industrial environments

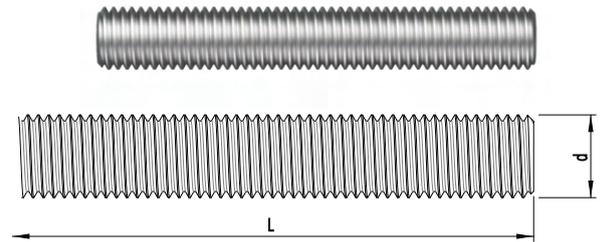


| Part No. | Rod Size | Pitch (mm) | OD (mm) | Length (2m) | Length (3m) |
|------------|----------|------------|---------|-------------|-------------|
| IC30105006 | M6 | 1 | 6 | 2 | 3 |
| IC30105008 | M8 | 1.25 | 8 | 2 | 3 |
| IC30105010 | M10 | 1.5 | 10 | 2 | 3 |
| IC30105012 | M12 | 1.75 | 12 | 2 | 3 |
| IC30105014 | M14 | 2 | 14 | 2 | 3 |
| IC30105016 | M16 | 2 | 16 | 2 | 3 |
| IC30106006 | M6 | 1 | 6 | 2 | 3 |
| IC30106008 | M8 | 1.25 | 8 | 2 | 3 |
| IC30106010 | M10 | 1.5 | 10 | 2 | 3 |
| IC30106012 | M12 | 1.75 | 12 | 2 | 3 |
| IC30106014 | M14 | 2 | 14 | 2 | 3 |
| IC30106016 | M16 | 2 | 16 | 2 | 3 |

INCOFIX THREADED ROD HOT DIPPED GALVANIZED

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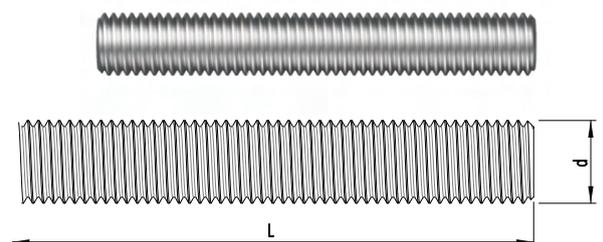
Standard: ASME B1.1-Unified Inch Screw Threads (adapted for metric)
 Thread Type: Metric Coarse, 60° thread angle
 Thread Angle: 60 degrees (as per ASME B1.1)
 Material: Low Carbon Steel as per ASTM A36 Grade
 Mechanical Grade: 4.8 (as per ISO 898-1)
 Corrosion Resistance: Excellent in Indoor and outdoor use recommended for C4 corrosion zone.



| Part No. | Rod Size | Pitch (mm) | OD (mm) | Length (2m) | Length (3m) |
|------------|----------|------------|---------|-------------|-------------|
| IC30109006 | M6 | 1 | 6 | 2 | 3 |
| IC30109008 | M8 | 1.25 | 8 | 2 | 3 |
| IC30109010 | M10 | 1.5 | 10 | 2 | 3 |
| IC30109012 | M12 | 1.75 | 12 | 2 | 3 |
| IC30109014 | M14 | 2 | 14 | 2 | 3 |
| IC30109016 | M16 | 2 | 16 | 2 | 3 |
| IC30110006 | M6 | 1 | 6 | 2 | 3 |
| IC30110008 | M8 | 1.25 | 8 | 2 | 3 |
| IC30110010 | M10 | 1.5 | 10 | 2 | 3 |
| IC30110012 | M12 | 1.75 | 12 | 2 | 3 |
| IC30110014 | M14 | 2 | 14 | 2 | 3 |
| IC30110016 | M16 | 2 | 16 | 2 | 3 |

INCOFIX THREADED ROD HOT DIPPED GALVANIZED

Standard: ASME B1.1-Unified Inch Screw Threads (adapted for metric)
 Thread Type: Metric Coarse, 60° thread angle
 Thread Angle: 60 degrees (as per ASME B1.1)
 Material: Low Carbon Steel as per ASTM A36 Grade
 Mechanical Grade: 8.8 (as per ISO 898-1)
 Corrosion Resistance: Excellent in Indoor and outdoor use recommended for C4 corrosion zone.



| Part No. | Rod Size | Pitch (mm) | OD (mm) | Length (2m) | Length (3m) |
|------------|----------|------------|---------|-------------|-------------|
| IC30109006 | M6 | 1 | 6 | 2 | 3 |
| IC30109008 | M8 | 1.25 | 8 | 2 | 3 |
| IC30109010 | M10 | 1.5 | 10 | 2 | 3 |
| IC30109012 | M12 | 1.75 | 12 | 2 | 3 |
| IC30109014 | M14 | 2 | 14 | 2 | 3 |
| IC30109016 | M16 | 2 | 16 | 2 | 3 |
| IC30110006 | M6 | 1 | 6 | 2 | 3 |
| IC30110008 | M8 | 1.25 | 8 | 2 | 3 |
| IC30110010 | M10 | 1.5 | 10 | 2 | 3 |
| IC30110012 | M12 | 1.75 | 12 | 2 | 3 |
| IC30110014 | M14 | 2 | 14 | 2 | 3 |
| IC30110016 | M16 | 2 | 16 | 2 | 3 |

SLOTTED CHANNEL NUT WITHOUT SPRING

D

Designed for secure, adjustable fastening in strutchannels No spring – ideal for permanent or heavy-duty installations Strong teeth grip for vibration-resistant connections Compatible with both metric and imperial threads Available in multiple finishes for corrosion protection.



| Part No. | For Rail | d (mm) | L (mm) | l (mm) | Finish Option |
|------------|----------|--------|--------|--------|---------------|
| IC30113008 | Strut | M8 | 34.5 | 19 | EG / HDG / SS |
| IC30113010 | Strut | M10 | 34.5 | 19 | EG / HDG / SS |
| IC30113012 | Strut | M12 | 34.5 | 19 | EG / HDG / SS |

SLOTTED CHANNEL NUT WITH SPRING

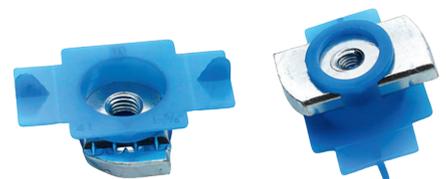
Designed for secure, adjustable fastening in strutchannels Longspring – ideal for permanent or heavy-duty installations Strong teeth grip for vibration-resistant connections Compatible with both metric and imperial threads Available in multiple finishes for corrosion protection.



| Part No. | For Rail | d (mm) | L (mm) | l (mm) | Finish Option |
|------------|----------|--------|--------|--------|---------------|
| IC30114008 | Strut | M8 | 34.5 | 19 | EG / HDG / SS |
| IC30114010 | Strut | M10 | 34.5 | 19 | EG / HDG / SS |
| IC30114012 | Strut | M12 | 34.5 | 19 | EG / HDG / SS |

SLOTTED CHANNEL NUT WITH PLASTIC TWIST TAB

Designed for secure, adjustable fastening in strutchannels With plastic twist tab– For easy installation. Strong teeth grip for vibration-resistant connections Compatible with both metric and imperial threads Available in multiple finishes for corrosion protection



| Part No. | For Rail | d (mm) | L (mm) | l (mm) | Finish Option |
|------------|----------|--------|--------|--------|---------------|
| IC30115008 | Strut | M8 | 34.5 | 19 | EG / HDG / SS |
| IC30115010 | Strut | M10 | 34.5 | 19 | EG / HDG / SS |
| IC30115012 | Strut | M12 | 34.5 | 19 | EG / HDG / SS |

FLAT CHANNEL CONNECTOR (T TYPE)

D

"Provides a 90° "T" connection between three strut channels
 High strength and dimensional accuracy
 Easy installation with pre-drilled holes Compatible with all standard strut channel systems.
 Available in corrosion-resistant finishes for indoor and outdoor use".

| Part No. | For Rail | N° of Holes | Thickness (mm) | Finish Option |
|------------|----------|-------------|----------------|---------------|
| IC30120001 | Strut | 4 | 6 | EG / HDG / SS |



FLAT CHANNEL CONNECTOR (L TYPE)

"Enables 90° flat connections between two strut channels
 High load-bearing strength and rigidity.
 Precision-drilled holes for easy and accurate installation
 Compatible with standard strut channel systems.
 Available in multiple finishes for indoor and outdoor applications. Applications: Used for pipe supports, cable trays, duct supports, and framing systems requiring a flat 90° joint between two strut channels."

| Part No. | For Rail | N° of Holes | Thickness (mm) | Finish Option |
|------------|----------|-------------|----------------|---------------|
| IC30120002 | Strut | 3 | 6 | EG / HDG / SS |
| IC30120003 | Strut | 4 | 6 | EG / HDG / SS |



FLAT CHANNEL CONNECTOR (CROSS TYPE)

"Creates a flat four-way connection between strut channels.
 High load-bearing capacity and structural stability.
 Precision-drilled holes for quick and accurate installation.
 Compatible with all standard strut channel systems.
 Available in corrosion-resistant finishes for harsh environments".

| Part No. | For Rail | N° of Holes | Thickness (mm) | Finish Option |
|------------|----------|-------------|----------------|---------------|
| IC30120004 | Strut | 5 | 6 | EG / HDG / SS |



FLAT ANGULAR GUSSET PLATE (TYPE 1)

Provides adjustable-angle connection between strut channels. Slotted holes for flexible alignment and installation tolerance. Reinforces joints and increases structural rigidity. Compatible with all standard strut channel systems. Available in corrosion-resistant finishes for varied environments.

| Part No. | Thickness (mm) | Slot Size (mm) | L (mm) | I (mm) | Finish Option |
|------------|----------------|----------------|--------|--------|---------------|
| IC30121001 | 6 | 14 x 20 | 88 | 88 | EG / HDG / SS |
| IC30121002 | 6 | 14 x 20 | 135 | 88 | EG / HDG / SS |



FLAT ANGLE GUSSET PLATE (TYPE 2)

"Strengthens and supports 90° corner connections. Triangular design distributes load evenly. Precision-drilled holes for fast installation. Compatible with all standard strut channel systems. Available in corrosion-resistant finishes for indoor and outdoor use. Available in 3, 4 & 5 holes".

| Part No. | Thickness (mm) | Hole Dia (mm) | L (mm) | I (mm) | Finish Option |
|------------|----------------|---------------|--------|--------|---------------|
| IC30122001 | 6 | 14 | 88 | 88 | EG / HDG / SS |
| IC30122002 | 6 | 14 | 135 | 88 | EG / HDG / SS |



TRIANGULAR GUSSET PLATE

"Their triangular profile provides excellent rigidity and stability in corner assemblies, making them ideal for use in framing, bracing, and support structures.

Features:

- Connects channels at right or angled intersections
- Provides additional strength and stiffness to corner joints
- Suitable for both horizontal and vertical bracing
- Compatible with all standard strut channels.

| Part No. | Thickness (mm) | Hole Dia (mm) | L (mm) | I (mm) | Finish Option |
|------------|----------------|---------------|--------|--------|---------------|
| IC30123001 | 6 | 14 | 130 | 130 | EG / HDG |
| IC30123002 | 6 | 14 | 115 | 65 | EG / HDG |



DIAMOND SHAPE GUSSET PLATE

Diamond profile for optimal load distribution and rigidity. Multiple bolt holes for versatile connection options. Compatible with all standard strut channels. Available in corrosion-resistant finishes for indoor and outdoor use.

| Part No. | Thickness (mm) | Hole Dia (mm) | L (mm) | I (mm) | Finish Option |
|------------|----------------|---------------|--------|--------|---------------|
| IC30124001 | 6 | 14 | 230 | 135 | EG / HDG / SS |



90°-2 HOLE CLEET (TYPE 1)

"90 Deg Cleet used to connect strut channels at right angles. Provides a compact and strong joint where space is limited. Ideal for framing, support systems, and bracing connections.

Thickness: 5 mm

Compatibility: Fits standard 41 mm wide strut channels

Standard: BS EN ISO 4042 / 1461"

| Part No. | N° of Holes | L (mm) | l (mm) | h (mm) | k (mm) | Angle (°) | Finish Option |
|------------|-------------|--------|--------|--------|--------|-----------|---------------|
| IC30125001 | 2 holes | 49 | 49 | 23 | - | 90° | EG / HDG / SS |



90°-2 HOLE HEAVY DUTY CLEET (TYPE 2)

"90 Deg heavy duty Cleet designed to connect strut channels at right angles under higher load conditions. The ribbed edges provide additional strength and rigidity, making it ideal for load-bearing and structural framing applications. Thickness: 5 mm

Compatibility: Fits standard 41 mm wide strut channels

Standard: BS EN ISO 4042 / 1461"

| Part No. | N° of Holes | H (mm) | B (mm) | h (mm) | k (mm) | Angle (°) | Finish Option |
|------------|-------------|--------|--------|--------|--------|-----------|---------------|
| IC30125002 | 2 holes | 54 | 54 | 23 | - | 90° | EG / HDG / SS |



90°-3 HOLE CLEET (TYPE 3)

90 Deg 3-Hole Cleet designed to connect two strut channels at right angles where unequal leg lengths are required. The extended side provides additional stability and support for heavier or offset loads.

| Part No. | N° of Holes | H (mm) | B (mm) | h (mm) | k (mm) | Angle (°) | Finish Option |
|------------|-------------|--------|--------|--------|--------|-----------|---------------|
| IC30125003 | 3 holes | 99 | 41 | 15 | 41 | 90° | EG / HDG / SS |
| IC30125004 | 3 holes | 91 | 49 | 23 | 41 | 90° | EG / HDG / SS |



90° -SLOTTED CLEET (TYPE 4)

90 Deg Slotted 2-Hole Cleet for optimal load distribution and rigidity Multiple bolt holes for versatile connection options Compatible with all standard strut channels. Available in corrosion-resistant finishes for indoor and outdoor use.

| Part No. | N° of Holes | H (mm) | B (mm) | h (mm) | k (mm) | Angle (°) | Finish Option |
|------------|-------------|--------|--------|--------|--------|-----------|---------------|
| IC30125005 | 2 holes | 99 | 41 | 15 | 40 | 90° | EG / HDG / SS |



OPEN ANGLE CLEET (2 HOLE)

"Open Angle designed to connect two strut channels at variable angles. The open slot design allows for easy alignment and flexible positioning during installation. Ideal for adjustable frameworks, light-duty bracing, and modular channel systems requiring angular connections.

Thickness: 5 mm

Compatibility: Fits standard 41 mm wide strut channels

Standard: BS EN ISO 4042 / 1461"



| Part No. | Angle (°) | Side A (inch) | Side A (mm) | Side B (inch) | Side B (mm) | Hole Dia (Ø) |
|------------|-----------|---------------|-------------|---------------|-------------|--------------|
| IC30127075 | 75° | 3 9/16" | 90 mm | 1 11/16" | 43 mm | 14 mm |
| IC30127060 | 60° | 3 3/8" | 86 mm | 1 7/8" | 48 mm | 14 mm |
| IC30127045 | 45° | 3" | 76 mm | 2 5/16" | 59 mm | 14 mm |
| IC30127030 | 30° | 3 1/4" | 83 mm | 2 1/16" | 52 mm | 14 mm |

OPEN ANGLE CLEET (4 HOLE)

"Open Angle designed to connect two strut channels at variable angles. The open slot design allows for easy alignment and flexible positioning during installation. Ideal for adjustable frameworks, light-duty bracing, and modular channel systems requiring angular connections. Thickness: 5 mm

Compatibility: Fits standard 41 mm wide strut channels

Standard: BS EN ISO 4042 / 1461"



| Part No. | Rod Size | Pitch (mm) | OD (mm) | Length (m) | Weight (kg) | Strength |
|------------|----------|------------|---------|------------|-------------|----------|
| IC30128030 | M6 | 1 | 6 | 2/3 | 0.33 | 0.33 |
| IC30128045 | M8 | 1.25 | 8 | 2/3 | 0.6 | 0.6 |
| IC30128060 | M6 | 1 | 6 | 2/3 | 0.33 | 0.33 |
| IC30128075 | M8 | 1.25 | 8 | 2/3 | 0.6 | 0.6 |

FLAT CHANNEL CONNECTOR 90°

Flat Channel Connector for optimal load distribution and rigidity.

Multiple bolt holes for versatile connection options

Compatible with all standard strut channels.

Available in corrosion-resistant finishes for indoor and outdoor use



| Part No. | Angle (°) | L (mm) | I (mm) | Hole Dia (mm) | Thickness (mm) | Finish Option |
|------------|-----------|--------|--------|---------------|----------------|---------------|
| IC30129090 | 90° | 94 mm | 41 | 14 mm | 5 mm | EG / HDG / SS |

SLOTTED CHANNEL NUT WITH FAST FIX WASHER

D

Provides fast universal attachment of threaded rod and hardware to standard strut profiles. Spring retains assembly in place until hardware is tightened.

| Part No. | For Rail | d (mm) | L (mm) | l (mm) | B (mm) | h (mm) | Finish Option |
|------------|----------|--------|--------|--------|--------|--------|---------------|
| IC30116010 | Strut | M10 | 34.5 | 19 | 41 | 41 | EG / HDG / SS |
| IC30116012 | Strut | M12 | 34.5 | 19 | 41 | 41 | EG / HDG / SS |



SQUARE WASHER

U-shape square washer designed to protect flanges of strut channel from opening. Gives extra stability. Easy installation.

| Part No. | For Rail | B (mm) | d1 (mm) | Finish Option |
|------------|----------|--------|---------|---------------|
| IC30117007 | Strut | 41 | 7 | EG / HDG / SS |
| IC30117011 | Strut | 41 | 11 | EG / HDG / SS |
| IC30117013 | Strut | 41 | 13 | EG / HDG / SS |
| IC30117017 | Strut | 41 | 17 | EG / HDG / SS |



GUIDED SQUARE WASHER

Guided square washer designed for slide easily in flanges of strut channel gives easy installation and stable connection with pipe clamp.

| Part No. | For Rail | B (mm) | d1 (mm) | Finish Option |
|------------|----------|--------|---------|---------------|
| IC30118007 | Strut | 40 | 7 | EG / HDG / SS |
| IC30118008 | Strut | 40 | 11 | EG / HDG / SS |
| IC30118009 | Strut | 40 | 13 | EG / HDG / SS |



FLAT CHANNEL CONNECTOR

D

Flat Channel connector used to connect two lengths of channel in a straight line. Provides stability and load transfer between channels.

| Part No. | For Rail | B (mm) | L (mm) | Finish Option |
|------------|----------|--------|--------|---------------|
| IC30119001 | Strut | 40 | 166 | EG / HDG / SS |



FLAT SPLICE (2 HOLES)

Designed to provide an adjustable connection between two strut channels. The plate allows rotational movement, enabling flexible angles and quick alignment during installation. Commonly used for bracing, adjustable supports, and structures that require angular positioning.

| Part No. | For Rail | B (mm) | L (mm) | Finish Option |
|------------|----------|--------|--------|---------------|
| IC30119002 | Strut | 40 | 124 | EG / HDG / SS |



FLAT SWIVEL PLATE (3 HOLES)

Designed for adjustable connections between strut channels where multi-point attachment and angular flexibility are required. The additional hole provides extra strength and stability while maintaining rotational adjustment capability. Ideal for bracing, adjustable mounts, and structural frameworks that require variable angles.

| Part No. | For Rail | L (mm) | Thickness (mm) | Finish Option |
|------------|----------|--------|----------------|---------------|
| IC30119003 | Strut | 166 | 4 | EG / HDG / SS |



90°-SLOTTED CLEET (TYPE 5)

D

"90 Deg heavy duty Cleet designed to connect strut channels at right angles under higher load conditions. The one side Closed edges provide additional strength and rigidity, making it ideal for load-bearing and structural framing applications.

Thickness: 5 mm

Compatibility: Fits standard 41 mm wide strut channels

Standard: BS EN ISO 4042 / 1461"



| Part No. | N° of Holes | H (mm) | B (mm) | h (mm) | k (mm) | Angle (°) | Finish Option |
|------------|-------------|--------|--------|--------|--------|-----------|---------------|
| IC30125007 | 4 holes | 91 | 91 | 23 | 41 | 90° | EG / HDG / SS |

90°-4 HOLE HEAVY DUTY CLEET (TYPE 6)

90 Deg Slotted 2-Hole Cleet for optimal load distribution and rigidity Multiple bolt holes for versatile connection options Compatible with all standard strut channels. Available in corrosion-resistant finishes for indoor and outdoor use.

| Part No. | N° of Holes | H (mm) | B (mm) | h (mm) | k (mm) | Angle (°) | Finish Option |
|------------|-------------|--------|--------|--------|--------|-----------|---------------|
| IC30125006 | 1 hole | 57 | 41 | 15 | 40 | 90° | EG / HDG / SS |



CLOSED ANGLE CLEET (2 HOLE)

"Closed Angle designed to join two strut channels at a variable angle. The closed design provides additional rigidity and clean alignment, making it ideal for applications requiring compact and stable corner connections. Suitable for light to medium-duty framing and general support structures.

Thickness: 5 mm

Compatibility: Fits standard 41 mm wide strut channels

Standard: BS EN ISO 4042 / 1461"

| Part No. | Angle (°) | Length (inch) | Length (mm) | Hole Dia (Ø) | Thickness | Finish Options |
|------------|-----------|---------------|-------------|--------------|-----------|----------------|
| IC30126045 | 45° | 3 1/8" | 79 mm | 14 mm | 5 mm | EG / HDG |
| IC30126060 | 60° | 3 1/8" | 79 mm | 14 mm | 5 mm | EG / HDG |
| IC30126075 | 75° | 3 3/16" | 81 mm | 14 mm | 5 mm | EG / HDG |



STRUT RAIL CONNECTOR

D

Flat Channel bracing used to connect two lengths of channel in a straight line. Provides stability and load transfer between channels.

| Part No. | Hole Size | Fits Channel Size | d | h | Finish Options |
|------------|-----------|-------------------|--------|-----|--------------------|
| IC30119012 | M12 | FITS 41 SERIES | Ø14 mm | 5mm | Zinc / HDG / SS A2 |



FLAT CHANNEL CONNECTOR (C - TYPE)

Channel Connector U-Type provide a sturdy splice connection between two strut channels or structural members. With four bolt holes, it enables strong and aligned splicing for extended channel runs or reinforcing joints. This hardware fitting is ideal for heavy-duty framing, support.

| Part No. | For Rail | L (mm) | H (mm) | k (mm) | Finish Option |
|------------|-------------|--------|--------|--------|---------------|
| IC30130001 | Strut 41x21 | 164 | 25 | 41 | HDG |
| IC30130002 | Strut 41x21 | 191 | 25 | 50 | HDG |
| IC30130003 | Strut 41x41 | 164 | 45 | 41 | HDG |



STRUT CROSS CONNECTOR (U - FITTING)

U-fitting connector use for over lap splice 90° connection between two strut channel or structural member.

| Part No. | For Rail | H (mm) | h (mm)2 | Finish Option |
|------------|----------|--------|---------|---------------|
| IC30131001 | Strut | 26 | 20 | EG / HDG/ SS |
| IC30131002 | Strut | 46 | 40 | EG / HDG/ SS |
| IC30131003 | Strut | 66 | 60 | EG / HDG/ SS |
| IC30131004 | Strut | 87 | 81 | EG / HDG/ SS |



FLAT CHANNEL CONNECTOR (U TYPE)

Corner connector is a multi-directional joint that allows strut channels to connect at 90° intersections in multiple directions — typically forming “+” or “T + side” configurations. Its design supports structural rigidity while enabling installation versatility in complex framing or piping systems.

| Part No. | h (mm) | T (Nm) | For Rail | T (Nm)2 | Finish Option |
|------------|--------|--------|-------------|---------|---------------|
| IC30131005 | 20 | 40 | Strut 41x21 | 40 | EG / HDG/ SS |
| IC30131006 | 40 | 40 | Strut 41x41 | 40 | EG / HDG/ SS |



CORNER CONNECTOR

D

Corner connector is a multi-directional joint that allows strut channels to connect at 90° intersections in multiple directions – typically forming “+” or “T + side” configurations. Its design supports structural rigidity while enabling installation versatility in complex framing or piping systems.

| Part No. | For Rail | Size (W×H) | Hole Dia (Ø) | Thickness (mm) | Finish Option |
|------------|----------|---------------|--------------|----------------|---------------|
| IC30132001 | Strut | 47 mm × 41 mm | 14 mm | 5 mm | EG / HDG/ SS |



STRUT CONNECTOR 90° (TYPE 1)

U-shape wing type connector use for optimal load distribution and rigidity Multiple bolt holes for versatile connection options Compatible with all standard strut channels. Available in corrosion-resistant finishes for indoor and outdoor use.

| Part No. | For Rail | L (mm) | B (mm) | H (mm) | N° of Holes | α (°) | Finish Option |
|------------|----------|--------|--------|--------|-------------|-------|---------------|
| IC30132002 | Strut | 40 | 89 | 49 | 4 | 90° | EG / HDG/ SS |



STRUT CONNECTOR 90° (TYPE 2)

U-shape wing type connector use for optimal load distribution and rigidity Multiple bolt holes for versatile connection options Compatible with all standard strut channels. Available in corrosion-resistant finishes for indoor and outdoor use.

| Part No. | For Rail | L (mm) | B (mm) | H (mm) | N° of Holes | α (°) | Finish Option |
|------------|----------|--------|--------|--------|-------------|-------|---------------|
| IC30132003 | Strut | 41 | 140 | 49 | 6 | 90° | EG / HDG/ SS |



STRUT CONNECTOR 90° (TYPE 3)

U-shape wing type connector use for optimal load distribution and rigidity Multiple bolt holes for versatile connection options Compatible with all standard strut channels. Available in corrosion-resistant finishes for indoor and outdoor use.

| Part No. | For Rail | L (mm) | B (mm) | H (mm) | N° of Holes | α (°) | Finish Option |
|------------|----------|--------|--------|--------|-------------|-------|---------------|
| IC30132004 | Strut | 40 | 128 | 103 | 9 | 90° | EG / HDG/ SS |



STRUT CONNECTOR 90° (TYPE 4)

D

U-shape wing type connector use for optimal load distribution and rigidity Multiple bolt holes for versatile connection options Compatible with all standard strut channels. Available in corrosion-resistant finishes for indoor and outdoor use.

| Part No. | For Rail | L (mm) | B (mm) | H (mm) | N° of Holes | α (°) | Finish Option |
|------------|----------|--------|--------|--------|-------------|-------|---------------|
| IC30132005 | Strut | 40 | 128 | 103 | 12 | 90° | EG / HDG/ SS |



STRUT Z CONNECTOR

Z-Type connector use to join two strut channels in a stagdgered, offset configuration. This bracket permits vertical alignment shifts while maintaining strong structural connections. Its compact Z-profile and dual holes allow versatile mounting for channel runs, bracing, or support systems where offset alignment is needed. Slim Z-profile design, saving space. Compatible with standard strut channels

| Part No. | For Rail | H (mm) | h (mm)2 | s (mm) | Finish Option |
|------------|---------------------------------|--------|---------|--------|---------------|
| IC30133001 | Strut 41x21 | 27.5 | 21.5 | 6 | EG / HDG/ SS |
| IC30133002 | Strut 41x41 + Strut 2M 41x41 | 86 | 82 | 6 | EG / HDG/ SS |
| IC30133003 | Strut 41x62 | 68 | 62 | 6 | EG / HDG/ SS |
| IC30133004 | Strut 2M 41x41 + Strut 2M 41x62 | 128 | 124 | 6 | EG / HDG/ SS |



STRUT CONNECTOR 90° (TYPE 1)

L- Shape wing type connector use for optimal load distribution and rigidity Multiple bolt holes for versatile connection options Compatible with all standard strut channels. Available in corrosion-resistant finishes for indoor and outdoor use.

| Part No. | For Rail | L (mm) | B (mm) | H (mm) | N° of Holes | α (°) | Finish Option |
|------------|----------|--------|--------|--------|-------------|-------|---------------|
| IC30132006 | Strut | 40 | 128 | 103 | 8 | 90° | EG / HDG/ SS |



STRUT CONNECTOR 90° (TYPE 2)

L- Shape wing type connector use for optimal load distribution and rigidity Multiple bolt holes for versatile connection options Compatible with all standard strut channels. Available in corrosion-resistant finishes for indoor and outdoor use.

| Part No. | For Rail | L (mm) | B (mm) | H (mm) | N° of Holes | α (°) | Finish Option |
|------------|----------|--------|--------|--------|-------------|-------|---------------|
| IC30132007 | | 40 | 128 | 103 | 4 | 90° | EG / HDG/ SS |



STRUT CONNECTORS 90° (L TYPE 3)

L- Shape wing type connector use for optimal load distribution and rigidity Multiple bolt holes for versatile connection options Compatible with all standard strut channels. Available in corrosion-resistant finishes for indoor and outdoor use.

| Part No. | For Rail | L (mm) | B (mm) | H (mm) | N° of Holes | α (°) | Finish Option |
|------------|----------|--------|--------|--------|-------------|-------|---------------|
| IC30132008 | Strut | 40 | 89 | 49 | 4 | 90° | EG / HDG/ SS |



STRUT BASE PLATE (TYPE 1)

Rectangular bracket, designed to fix strut profiles for medium loads to walls or floors with 2 anchors. Allows the profile to be connected quickly and securely.

| Part No. | L (mm) | B (mm) | H (mm) | d1 (mm) | S (mm) | Finish Option |
|------------|--------|--------|--------|---------|--------|---------------|
| IC30134001 | 90 | 60 | 135 | 25x11 | 42 | EG / HDG/ SS |



STRUT BASE PLATE (TYPE 2)

Rectangular bracket, designed to fix strut profiles for medium loads to walls or floors with 4 anchors. Allows the profile to be connected quickly and securely.

| Part No. | L (mm) | B (mm) | H (mm) | d1 (mm) | S (mm) | Finish Option |
|------------|--------|--------|--------|---------|--------|---------------|
| IC30134002 | 90 | 60 | 245 | 25x11 | 42 | EG / HDG/ SS |



STRUT BASE PLATE (TYPE 3)

Rectangular bracket, designed to fix strut profiles for heavy loads to walls or floors with 2 anchors. Allows the profile to be connected quickly and securely.

| Part No. | L (mm) | B (mm) | H (mm) | d1 (mm) | S (mm) | Finish Option |
|------------|--------|--------|--------|---------|--------|---------------|
| IC30134003 | 95 | 61 | 146 | 20x13 | 42 | EG / HDG/ SS |



STRUT BASE PLATE (TYPE 4)

Square bracket, designed to fix strut profiles for heavy loads to walls or floors with 2 anchors. Allows the profile to be connected quickly and securely.

| Part No. | L (mm) | B (mm) | H (mm) | d1 (mm) | S (mm) | Finish Option |
|------------|--------|--------|--------|---------|--------|---------------|
| IC30134004 | 90 | 165 | 165 | 20x14 | 42 | EG / HDG/ SS |



STRUT BASE PLATE (TYPE 5)

Square cross bracket, designed to fix two strut profiles in one bracket for heavy loads to walls or floors with 2 anchors. Allows the profile to be connected quickly and securely.

| Part No. | L (mm) | B (mm) | H (mm) | d1 (mm) | S (mm) | Finish Option |
|------------|--------|--------|--------|---------|--------|---------------|
| IC30134001 | 90 | 60 | 133 | 25x11 | 42 | EG / HDG/ SS |



STRUT BASE PLATE (TYPE 6)

Square straight bracket, designed to fix two strut profiles in one bracket for heavy loads to walls or floors with 2 anchors. Allows the profile to be connected quickly and securely.

| Part No. | L (mm) | B (mm) | H (mm) | d1 (mm) | S (mm) | Finish Option |
|------------|--------|--------|--------|---------|--------|---------------|
| IC30134002 | 90 | 60 | 245 | 25x11 | 42 | EG / HDG/ SS |



T CORNER CONNECTOR 90°

R/ L Six-Hole Gussetted Corner Connector designed to provide a strong 90° connection between two strut channels in right-hand or left-hand configurations. The reinforced gusset adds high rigidity and load-bearing capacity, making it suitable for heavy-duty framing, supports, and structural assemblies where strength and stability are critical.

| Part No. | L (mm) | B (mm) | H (mm) | d1 (mm) | S (mm) | Finish Option |
|------------|--------|--------|--------|---------|--------|---------------|
| IC30134003 | 95 | 61 | 146 | 20x13 | 42 | EG / HDG/ SS |



STRUT BASE PLATE (TYPE 4)

D

The design of the Adjustable bracket enables the fixation of mounting channels at an angle of 0° to 180°. • Due to the holes on all three sides, the channels can be installed with the slot lateral. • The punched holes in the base plate allow the direct fixing to the substructure or onto a mounting channel.

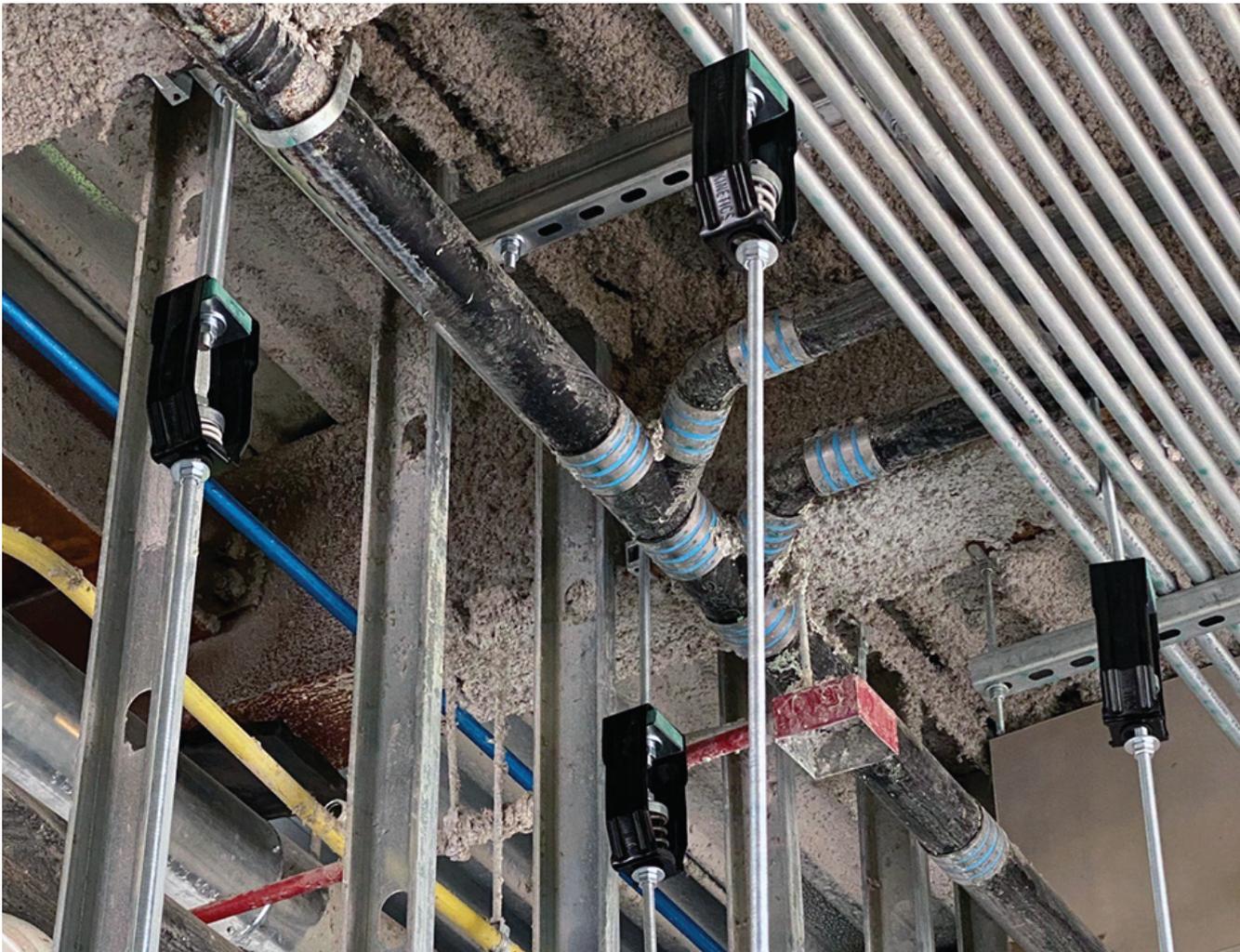


| Part No. | B (mm) | H (mm) | d1 (mm) | S (mm) | Finish Option |
|------------|--------|--------|---------|--------|---------------|
| IC30134009 | 41 | 125 | 13 | 42 | EG / HDG/ SS |

Section E

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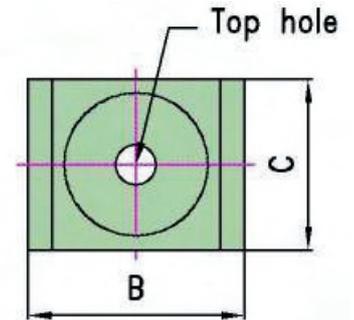
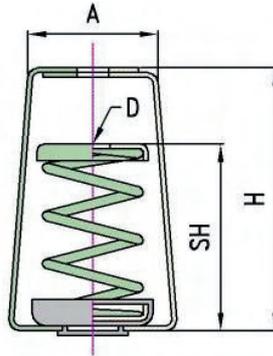
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VIBRATION ISOLATOR

SPRING HANGER

E



Applications: Designed for vibration isolation in HVAC systems, including fans, AHUs (Air Handling Units), FCUs, piping, & ducting

High-Efficiency Vibration Control: Effectively minimizes transmission of structure-borne noise & vibrations, enhancing system performance & reducing ambient noise

Spring Diameter Ratio: Engineered with a spring diameter ratio of 0.8, providing optimal stability and load distribution.

Steel Spring: Constructed from high-tensile steel, ensuring longevity and reliable vibration isolation.

Rubber Housing: Encases the spring to add an extra layer of damping, reducing metal-to-metal contact

GI (Galvanized Iron) Spring Cap: Provides corrosion resistance, extending the life of the spring hanger in various environmental conditions.

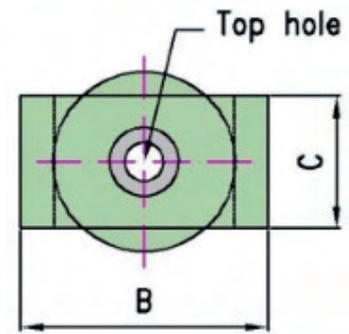
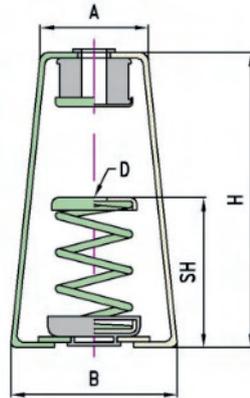
Powder-Coated Steel Body: Durable powder-coated finish on the body protects against rust and wear, maintaining performance even in high-moisture or corrosive environments.

Compliance: Springs are designed according to BS 1726 (Part 1): 2002 standards, ensuring consistent performance and safety under load.

| Part No. | Color Code | Rec. Load KG | Max Deflection mm | Top Hole mm | A | B | C | D | H |
|-------------|------------|--------------|-------------------|-------------|-----|-----|----|----|-----|
| IC20903010 | Purple | 10 | 25 | 13 | 55 | 75 | 55 | 13 | 115 |
| IC20903015 | Yellow | 15 | 25 | 13 | 55 | 75 | 55 | 13 | 115 |
| IC20903020 | Grey | 20 | 25 | 13 | 55 | 75 | 55 | 13 | 115 |
| IC20903040 | Green | 40 | 25 | 13 | 55 | 75 | 55 | 13 | 115 |
| IC20903050 | Blue | 50 | 25 | 13 | 55 | 75 | 55 | 13 | 115 |
| IC20903060 | Blue | 60 | 25 | 13 | 55 | 75 | 55 | 13 | 115 |
| IC20903075 | Blue | 75 | 25 | 13 | 55 | 75 | 55 | 13 | 115 |
| IC20903100 | Green | 100 | 25 | 17 | 83 | 93 | 65 | 17 | 125 |
| IC20903150 | Orange | 150 | 25 | 17 | 83 | 93 | 65 | 17 | 125 |
| IC20903175 | Orange | 175 | 25 | 17 | 83 | 93 | 65 | 17 | 125 |
| IC20903200 | Red | 200 | 25 | 17 | 83 | 93 | 65 | 17 | 125 |
| IC20903250 | Purple | 250 | 25 | 17 | 83 | 93 | 65 | 17 | 125 |
| IC20903300 | Grey | 300 | 25 | 19 | 105 | 113 | 95 | 19 | 165 |
| IC20903400 | Red | 400 | 25 | 19 | 105 | 113 | 95 | 19 | 165 |
| IC20903500 | Brown | 500 | 25 | 19 | 105 | 113 | 95 | 19 | 165 |
| IC20903600 | Black | 600 | 25 | 19 | 105 | 113 | 95 | 19 | 165 |
| IC20903800 | Red | 800 | 25 | 19 | 105 | 113 | 95 | 19 | 165 |
| IC209031050 | White | 1050 | 25 | 19 | 105 | 113 | 95 | 19 | 165 |
| IC209031250 | Green | 1250 | 25 | 19 | 105 | 113 | 95 | 19 | 165 |
| IC209031500 | Orange | 1500 | 25 | 19 | 105 | 113 | 95 | 19 | 165 |

SPRING HANGER WITH RUBBER TOP

E



Applications: Suitable for isolating vibrations in HVAC and mechanical systems, including fans, AHUs, FCUs, piping, and ducting installations.

Vibration Control: Provides high-efficiency isolation from structure-borne noise and vibrations, improving acoustic performance and system efficiency.

Spring Diameter Ratio: Features a spring with a diameter ratio of 0.8, ensuring stability under load and balanced support.

Steel Spring: Made from high-strength steel, delivering reliable performance and vibration dampening over time

Rubber Top: Fitted with a rubber layer on the top surface to reduce metal-to-metal contact, adding additional damping and preventing wear.

GI Spring Cap: Offers excellent corrosion resistance for extended durability in varying environments.

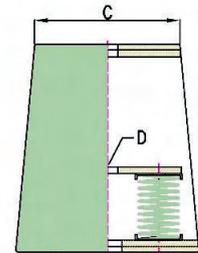
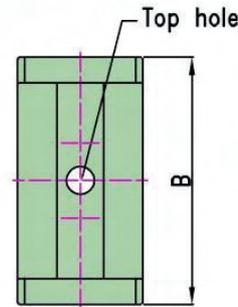
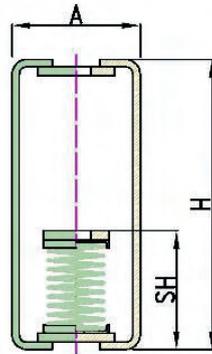
Powder-Coated Steel Body: Body is powder-coated to protect against corrosion, scratches, and impacts, enhancing product life.

Compliance: Designed in accordance with BS 1726 (Part1): 2002 standards, ensuring performance consistency and safety for load-bearing applications.

| Part No. | Color Code | Rec. Load KG | Max Deflection mm | Top Hole mm | A | B | C | D | H |
|-------------|------------|--------------|-------------------|-------------|----|-----|----|----|-----|
| IC20904010 | Purple | 10 | 25 | 13 | 60 | 82 | 44 | 12 | 160 |
| IC20904015 | Yellow | 15 | 25 | 13 | 60 | 82 | 44 | 12 | 160 |
| IC20904020 | Grey | 20 | 25 | 13 | 60 | 82 | 44 | 12 | 160 |
| IC20904040 | Green | 40 | 25 | 13 | 60 | 82 | 44 | 12 | 160 |
| IC20904050 | Blue | 50 | 25 | 13 | 60 | 82 | 44 | 12 | 160 |
| IC20904060 | Blue | 60 | 25 | 13 | 60 | 82 | 44 | 12 | 160 |
| IC20904075 | Blue | 75 | 25 | 13 | 60 | 82 | 44 | 12 | 160 |
| IC20904100 | Green | 100 | 25 | 15 | 83 | 112 | 60 | 14 | 205 |
| IC20904150 | Orange | 150 | 25 | 15 | 83 | 112 | 60 | 14 | 205 |
| IC20904175 | Orange | 175 | 25 | 15 | 83 | 112 | 60 | 14 | 205 |
| IC20904200 | Red | 200 | 25 | 15 | 83 | 112 | 60 | 14 | 205 |
| IC20904250 | Purple | 250 | 25 | 15 | 83 | 112 | 60 | 14 | 205 |
| IC20904300 | Grey | 300 | 25 | 19 | 86 | 122 | 70 | 18 | 245 |
| IC20904400 | Red | 400 | 25 | 19 | 86 | 122 | 70 | 18 | 245 |
| IC20904500 | Brown | 500 | 25 | 19 | 86 | 122 | 70 | 18 | 245 |
| IC20904600 | Black | 600 | 25 | 19 | 86 | 122 | 70 | 18 | 245 |
| IC20904800 | Red | 800 | 25 | 19 | 86 | 122 | 70 | 18 | 245 |
| IC209041050 | White | 1050 | 25 | 19 | 86 | 122 | 70 | 18 | 245 |
| IC209041250 | Green | 1250 | 25 | 19 | 86 | 122 | 70 | 18 | 245 |
| IC209041500 | Orange | 1500 | 25 | 19 | 86 | 122 | 70 | 18 | 245 |

HEAVY DUTY DOUBLE SPRING HANGER

E



Applications: Designed for heavy-duty vibration isolation in large HVAC systems, including fans, AHUs, FCUs, piping, and ducting.

Double Spring System: Dual high-tensile steel springs provide enhanced load capacity and stability.

Vibration Control: Effective isolation of structure borne noise and vibrations for heavy equipment.

Spring Diameter Ratio: Diameter ratio of 0.8 ensures even load distribution and reduces lateral movement.

Rubber Housing: Encloses the springs for added damping and protection.

GI Spring Cap: Corrosion-resistant painted iron cap for durability in demanding environments.

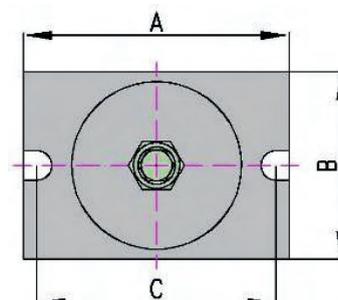
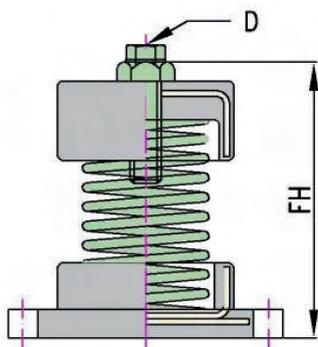
Powder-Coated Steel Body: Protective coating resists rust and damage.

Compliance: Designed in line with BS 1726 (Part 1): 2002 standards, ensuring consistent performance under high loads.

| Part No. | Color Code | Rec. Load KG | Max Deflection mm | Top Hole mm | A | B | C | D | E | H |
|-------------|------------|--------------|-------------------|-------------|-----|-----|-----|----|-----|-----|
| IC209053300 | Orange | 300 | 25 | 32 | 140 | 280 | 222 | 32 | 280 | 320 |
| IC209053350 | Orange | 350 | 25 | 32 | 140 | 280 | 222 | 32 | 280 | 320 |
| IC20905400 | Red | 400 | 25 | 32 | 140 | 280 | 222 | 32 | 280 | 320 |
| IC20905500 | Purple | 500 | 25 | 32 | 140 | 280 | 222 | 32 | 280 | 320 |
| IC20905600 | Grey | 600 | 25 | 32 | 140 | 280 | 222 | 32 | 280 | 320 |
| IC20905800 | Red | 800 | 25 | 32 | 140 | 280 | 222 | 32 | 280 | 320 |
| IC209051000 | Brown | 1000 | 25 | 32 | 140 | 280 | 222 | 32 | 280 | 320 |
| IC209051200 | Black | 1200 | 25 | 32 | 140 | 280 | 222 | 32 | 280 | 320 |
| IC209051600 | Red | 1600 | 25 | 32 | 140 | 280 | 222 | 32 | 280 | 320 |
| IC209052100 | White | 2100 | 25 | 32 | 140 | 280 | 222 | 32 | 280 | 320 |
| IC209052500 | Green | 2500 | 25 | 32 | 140 | 280 | 222 | 32 | 280 | 320 |
| IC209053000 | Orange | 3000 | 25 | 32 | 140 | 280 | 222 | 32 | 280 | 320 |

CUP SPRING MOUNT

E



Laterally Stable Springs: Ensures reliable stability across applications.

Non-Skid Bolt-Down Base: Secure mounting to prevent movement.

Leveling/Lock Bolt: Standard plated, with HDG and stainless steel options on request.

Diameter Ratio: 0.8 for optimal load distribution.

Rubber-Capped Steel Spring: Steel core spring with 14mm rubber caps on upper and lower surfaces for enhanced damping.

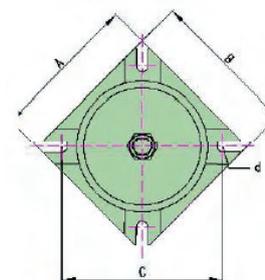
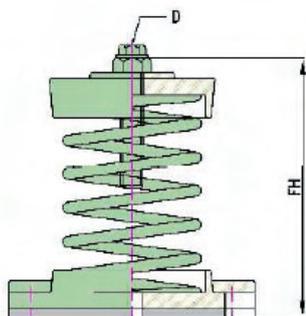
Applications: Ideal for Air Handling Units (AHU), Pumps, Centrifugal and Axial Fans, Inertia Bases, Internal Combustion Engines, and more.

Compliance: Springs are designed in accordance with BS 1726 (Part 1): 2002.

| Part No. | Color Code | Rec. Load KG | Max Deflection mm | A | B | C | D | d | FH |
|-------------|------------|--------------|-------------------|-----|-----|-----|-----|----|-----|
| IC20906015 | Purple | 15 | 25 | 110 | 75 | 90 | M8 | 12 | 115 |
| IC20906030 | Yellow | 30 | 25 | 110 | 75 | 90 | M8 | 12 | 115 |
| IC20906050 | Blue | 50 | 25 | 110 | 75 | 90 | M8 | 12 | 115 |
| IC20906060 | Blue | 60 | 25 | 110 | 75 | 90 | M8 | 12 | 115 |
| IC20906075 | Blue | 75 | 25 | 110 | 75 | 90 | M8 | 12 | 115 |
| IC20906100 | Green | 100 | 25 | 110 | 75 | 90 | M8 | 12 | 115 |
| IC20906150 | Orange | 150 | 25 | 110 | 75 | 90 | M8 | 12 | 115 |
| IC20906175 | Orange | 175 | 25 | 110 | 75 | 90 | M8 | 12 | 115 |
| IC20906200 | Red | 200 | 25 | 110 | 75 | 90 | M8 | 12 | 115 |
| IC20906250 | Purple | 250 | 25 | 110 | 75 | 90 | M8 | 12 | 115 |
| IC20906300 | Grey | 300 | 25 | 140 | 100 | 115 | M10 | 14 | 140 |
| IC20906400 | Red | 400 | 25 | 140 | 100 | 115 | M10 | 14 | 140 |
| IC20906500 | Brown | 500 | 25 | 140 | 100 | 115 | M10 | 14 | 140 |
| IC20906600 | Black | 600 | 25 | 140 | 100 | 115 | M10 | 14 | 140 |
| IC20906800 | Red | 800 | 25 | 140 | 100 | 115 | M10 | 14 | 140 |
| IC209061050 | White | 1050 | 25 | 140 | 100 | 115 | M10 | 14 | 140 |
| IC209061250 | Green | 1250 | 25 | 140 | 100 | 115 | M10 | 14 | 140 |
| IC209061500 | Orange | 1500 | 25 | 140 | 100 | 115 | M10 | 14 | 140 |

CUP SPRING MOUNT 50MM DEFLECTION

E



50mm Deflection Capacity: Optimized for high performance vibration isolation.

Laterally Stable Springs: Provides robust stability, even under heavy loads.

Non-Skid Bolt-Down Base: Secures mount to prevent shifting.

Plated Leveling/Lock Bolt: Standard with HDG and stainless steel options on request.

Diameter Ratio: 0.8 for efficient load distribution.

Rubber-Capped Steel Spring: Durable steel core with 14mm rubber caps on top and bottom for superior damping and reduced resonance.

Applications: Suitable for demanding installations such as Air Handling Units (AHU), Pumps, Centrifugal and Axial

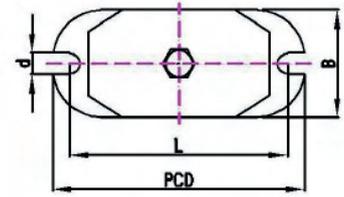
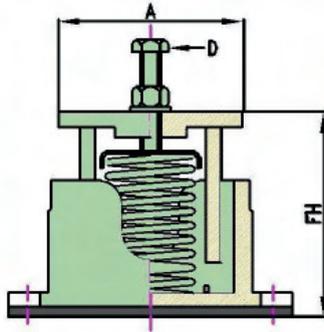
Fans, Inertia Bases, and Internal Combustion Engines.

Compliance: Engineered to meet BS 1726 (Part 1): 2002

| Part No. | Color Code | Rec. Load KG | Max Deflection mm | A | B | C | D | d | FH |
|-------------|------------|--------------|-------------------|-----|-----|-----|-----|----|-----|
| IC20906015 | Purple | 15 | 25 | 110 | 75 | 90 | M8 | 12 | 115 |
| IC20906030 | Yellow | 30 | 25 | 110 | 75 | 90 | M8 | 12 | 115 |
| IC20906050 | Blue | 50 | 25 | 110 | 75 | 90 | M8 | 12 | 115 |
| IC20906060 | Blue | 60 | 25 | 110 | 75 | 90 | M8 | 12 | 115 |
| IC20906075 | Blue | 75 | 25 | 110 | 75 | 90 | M8 | 12 | 115 |
| IC20906100 | Green | 100 | 25 | 110 | 75 | 90 | M8 | 12 | 115 |
| IC20906150 | Orange | 150 | 25 | 110 | 75 | 90 | M8 | 12 | 115 |
| IC20906175 | Orange | 175 | 25 | 110 | 75 | 90 | M8 | 12 | 115 |
| IC20906200 | Red | 200 | 25 | 110 | 75 | 90 | M8 | 12 | 115 |
| IC20906250 | Purple | 250 | 25 | 110 | 75 | 90 | M8 | 12 | 115 |
| IC20906300 | Grey | 300 | 25 | 140 | 100 | 115 | M10 | 14 | 140 |
| IC20906400 | Red | 400 | 25 | 140 | 100 | 115 | M10 | 14 | 140 |
| IC20906500 | Brown | 500 | 25 | 140 | 100 | 115 | M10 | 14 | 140 |
| IC20906600 | Black | 600 | 25 | 140 | 100 | 115 | M10 | 14 | 140 |
| IC20906800 | Red | 800 | 25 | 140 | 100 | 115 | M10 | 14 | 140 |
| IC209061050 | White | 1050 | 25 | 140 | 100 | 115 | M10 | 14 | 140 |
| IC209061250 | Green | 1250 | 25 | 140 | 100 | 115 | M10 | 14 | 140 |
| IC209061500 | Orange | 1500 | 25 | 140 | 100 | 115 | M10 | 14 | 140 |

CASED SPRING MOUNT

E



High-Efficiency Vibration Isolation: Combines a robust spring with an acoustic friction pad for superior noise and vibration reduction.

Plated Leveling/Lock Bolt: Standard finish, with HDG and stainless steel options on request.

Diameter Ratio: 0.8, ensuring optimal load bearing capacity and stability.

Durable Cast Iron Caps: Upper and lower caps in cast iron, with the lower cap featuring an 8mm rubber base for added friction and damping.

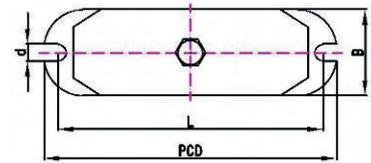
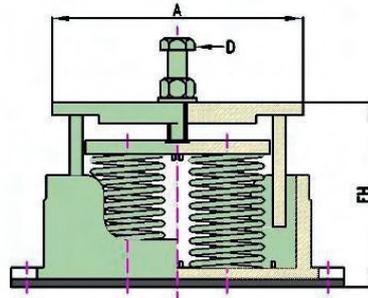
Applications: Engineered for Chillers, Pumps, Fans, Condensing Units, Rooftop Package Units, Compressors, Generators, and other heavy-duty equipment.

Compliance: Springs are designed according to BS 1726 (Part 1): 2002 standards.

| Part No. | Color Code | Rec. Load KG | Max Deflection mm | A | B | C | L | D | d | FH |
|-------------|------------|--------------|-------------------|-----|----|-----|-----|-----|----|-----|
| IC20907015 | Purple | 15 | 25 | 100 | 70 | 140 | 160 | M10 | 14 | 110 |
| IC20907030 | Orange | 30 | 25 | 100 | 70 | 140 | 160 | M10 | 14 | 110 |
| IC20907050 | Blue | 50 | 25 | 100 | 70 | 140 | 160 | M10 | 14 | 110 |
| IC20907060 | Blue | 60 | 25 | 100 | 70 | 140 | 160 | M10 | 14 | 110 |
| IC20907075 | Green | 75 | 25 | 100 | 70 | 140 | 160 | M10 | 14 | 110 |
| IC20907100 | Orange | 100 | 25 | 100 | 70 | 140 | 160 | M10 | 14 | 110 |
| IC20907150 | Orange | 150 | 25 | 100 | 70 | 140 | 160 | M10 | 14 | 110 |
| IC20907175 | Red | 175 | 25 | 100 | 70 | 140 | 160 | M10 | 14 | 110 |
| IC20907200 | Purple | 200 | 25 | 100 | 70 | 140 | 160 | M10 | 14 | 110 |
| IC20907250 | Orange | 250 | 25 | 100 | 70 | 140 | 160 | M10 | 14 | 110 |
| IC20907300 | Grey | 300 | 25 | 127 | 85 | 180 | 200 | M14 | 16 | 140 |
| IC20907400 | Red | 400 | 25 | 127 | 85 | 180 | 200 | M14 | 16 | 140 |
| IC20907500 | Brown | 500 | 25 | 127 | 85 | 180 | 200 | M14 | 16 | 140 |
| IC20907600 | Black | 600 | 25 | 127 | 85 | 180 | 200 | M14 | 16 | 140 |
| IC20907800 | Red | 800 | 25 | 127 | 85 | 180 | 200 | M14 | 16 | 140 |
| IC209071050 | White | 1050 | 25 | 127 | 85 | 180 | 200 | M14 | 16 | 140 |
| IC209071250 | Green | 1250 | 25 | 127 | 85 | 180 | 200 | M14 | 16 | 140 |
| IC209071500 | Orange | 1500 | 25 | 127 | 85 | 180 | 200 | M14 | 16 | 140 |

HOUSED DOUBLE SPRING MOUNT

E



Enhanced Vibration Isolation: Dual-spring system for high-efficiency vibration control in demanding applications.

Acoustic Friction Pad: Minimizes noise transmission and enhances vibration dampening.

Plated Leveling/Lock Bolt: Standard, with HDG and stainless steel options available on request.

Optimized Diameter Ratio: 0.8 for superior load stability and performance.

Robust Cast Iron Caps: Cast iron lower and upper caps with an 8mm rubber base on the lower cap for additional stability and damping.

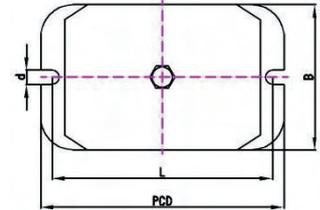
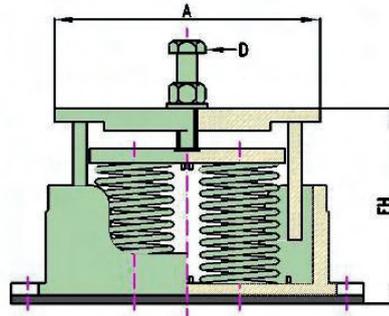
Applications: Ideal for applications such as Chillers, Pumps, Fans, Condensing Units, Rooftop Package Units, Compressors, Generators, and other heavy machinery.

Compliance: Engineered in accordance with BS 1726 (Part 1): 2002 standards.

| Part No. | Color Code | Rec. Load KG | Max Deflection mm | A | B | C | L | D | d | FH |
|-------------|------------|--------------|-------------------|-----|----|-----|-----|-----|----|-----|
| IC20908300 | Orange | 300 | 25 | 210 | 85 | 265 | 285 | M16 | 16 | 150 |
| IC20908350 | Orange | 350 | 25 | 210 | 85 | 265 | 285 | M16 | 16 | 150 |
| IC20908400 | Red | 400 | 25 | 210 | 85 | 265 | 285 | M16 | 16 | 150 |
| IC20908500 | Purple | 500 | 25 | 210 | 85 | 265 | 285 | M16 | 16 | 150 |
| IC20908600 | Grey | 600 | 25 | 210 | 85 | 265 | 285 | M16 | 16 | 150 |
| IC20908800 | Red | 800 | 25 | 210 | 85 | 265 | 285 | M16 | 16 | 150 |
| IC209081000 | Brown | 1000 | 25 | 210 | 85 | 265 | 285 | M16 | 16 | 150 |
| IC209081200 | Black | 1200 | 25 | 210 | 85 | 265 | 285 | M16 | 16 | 150 |
| IC209081600 | Red | 1600 | 25 | 210 | 85 | 265 | 285 | M16 | 16 | 150 |
| IC209082100 | White | 2100 | 25 | 210 | 85 | 265 | 285 | M16 | 16 | 150 |
| IC209082500 | Green | 2500 | 25 | 210 | 85 | 265 | 285 | M16 | 16 | 150 |
| IC209083000 | Orange | 3000 | 25 | 210 | 85 | 265 | 285 | M16 | 16 | 150 |

HOUSED FOUR SPRING MOUNT

E



Superior Vibration Isolation: Four-spring configuration designed for exceptional vibration control and stability in high-load applications.

Integrated Acoustic Friction Pad: Reduces noise transmission, enhancing overall vibration dampening.

Plated Leveling/Lock Bolt: Available in standard plating, with HDG and stainless steel options upon request.

Optimized Diameter Ratio: 0.8, ensuring robust load support and even distribution.

Heavy-Duty Cast Iron Caps: Durable cast iron upper and lower caps, with an 8mm rubber base on the lower cap for enhanced friction and damping.

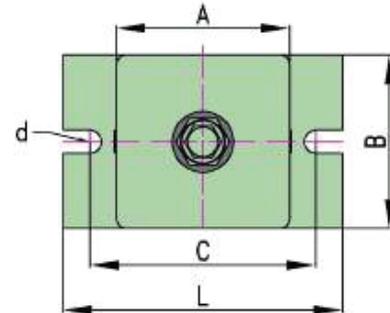
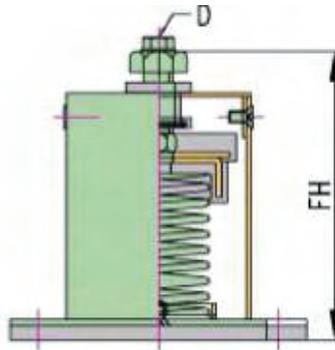
Applications: Perfect for Chillers, Pumps, Fans, Condensing Units, Rooftop Package Units, Compressors, Generators, and other large machinery requiring heavy duty vibration control.

Compliance: Manufactured to meet BS 1726 (Part 1): 2002 standards.

| Part No. | Color Code | Rec. Load KG | Max Deflection mm | A | B | C | L | D | d | FH |
|-------------|------------|--------------|-------------------|-----|----|-----|-----|-----|----|-----|
| IC20907015 | Purple | 15 | 25 | 100 | 70 | 140 | 160 | M10 | 14 | 110 |
| IC20907030 | Orange | 30 | 25 | 100 | 70 | 140 | 160 | M10 | 14 | 110 |
| IC20907050 | Blue | 50 | 25 | 100 | 70 | 140 | 160 | M10 | 14 | 110 |
| IC20907060 | Blue | 60 | 25 | 100 | 70 | 140 | 160 | M10 | 14 | 110 |
| IC20907075 | Green | 75 | 25 | 100 | 70 | 140 | 160 | M10 | 14 | 110 |
| IC20907100 | Orange | 100 | 25 | 100 | 70 | 140 | 160 | M10 | 14 | 110 |
| IC20907150 | Orange | 150 | 25 | 100 | 70 | 140 | 160 | M10 | 14 | 110 |
| IC20907175 | Red | 175 | 25 | 100 | 70 | 140 | 160 | M10 | 14 | 110 |
| IC20907200 | Purple | 200 | 25 | 100 | 70 | 140 | 160 | M10 | 14 | 110 |
| IC20907250 | Orange | 250 | 25 | 100 | 70 | 140 | 160 | M10 | 14 | 110 |
| IC20907300 | Grey | 300 | 25 | 127 | 85 | 180 | 200 | M14 | 16 | 140 |
| IC20907400 | Red | 400 | 25 | 127 | 85 | 180 | 200 | M14 | 16 | 140 |
| IC20907500 | Brown | 500 | 25 | 127 | 85 | 180 | 200 | M14 | 16 | 140 |
| IC20907600 | Black | 600 | 25 | 127 | 85 | 180 | 200 | M14 | 16 | 140 |
| IC20907800 | Red | 800 | 25 | 127 | 85 | 180 | 200 | M14 | 16 | 140 |
| IC209071050 | White | 1050 | 25 | 127 | 85 | 180 | 200 | M14 | 16 | 140 |
| IC209071250 | Green | 1250 | 25 | 127 | 85 | 180 | 200 | M14 | 16 | 140 |
| IC209071500 | Orange | 1500 | 25 | 127 | 85 | 180 | 200 | M14 | 16 | 140 |

COMPLETELY HOUSED SPRING MOUNT

E



Full Enclosure for Maximum Isolation: Encased design provides superior vibration isolation and protection from external elements.

Integrated Acoustic Friction Pad: Reduces noise transmission and enhances vibration dampening.

Plated Leveling/Lock Bolt: Standard finish, with HDG and stainless steel options available upon request.

Optimal Diameter Ratio: 0.8 for reliable load stability and distribution.

Heavy-Duty Cast Iron Housing: Encased in durable cast iron with an 8mm rubber base on the lower cap for enhanced stability and friction.

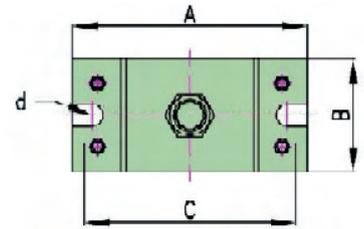
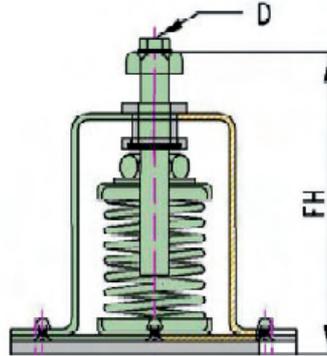
Applications: Ideal for applications with high vibration isolation needs, including Chillers, Pumps, Fans, Condensing Units, Rooftop Package Units, Compressors, Generators, and similar heavy-duty equipment.

Compliance: Built to conform with BS 1726 (Part 1): 2002 standards.

| Part No. | Color Code | Rec. Load KG | Max Deflection mm | A | B | C | D | d | L | FH |
|-------------|------------|--------------|-------------------|-----|-----|-----|-----|----|-----|-----|
| IC209101015 | Purple | 15 | 25 | 90 | 90 | 118 | M8 | 12 | 145 | 145 |
| IC20910030 | Yellow | 30 | 25 | 90 | 90 | 118 | M8 | 12 | 145 | 145 |
| IC20910050 | Blue | 50 | 25 | 90 | 90 | 118 | M8 | 12 | 145 | 145 |
| IC20910060 | Blue | 60 | 25 | 90 | 90 | 118 | M8 | 12 | 145 | 145 |
| IC20910075 | Blue | 75 | 25 | 90 | 90 | 118 | M8 | 12 | 145 | 145 |
| IC20910100 | Green | 100 | 25 | 90 | 90 | 118 | M8 | 12 | 145 | 145 |
| IC20910150 | Orange | 150 | 25 | 90 | 90 | 118 | M8 | 12 | 145 | 145 |
| IC20910175 | Orange | 175 | 25 | 90 | 90 | 118 | M8 | 12 | 145 | 145 |
| IC20910200 | Red | 200 | 25 | 90 | 90 | 118 | M8 | 12 | 145 | 145 |
| IC20910250 | Purple | 250 | 25 | 90 | 90 | 118 | M8 | 12 | 145 | 145 |
| IC20910300 | Grey | 300 | 25 | 125 | 125 | 156 | M10 | 14 | 185 | 180 |
| IC20910400 | Red | 400 | 25 | 125 | 125 | 156 | M10 | 14 | 185 | 180 |
| IC20910500 | Brown | 500 | 25 | 125 | 125 | 156 | M10 | 14 | 185 | 180 |
| IC20910600 | Black | 600 | 25 | 125 | 125 | 156 | M10 | 14 | 185 | 180 |
| IC20910800 | Red | 800 | 25 | 125 | 125 | 156 | M10 | 14 | 185 | 180 |
| IC209101050 | White | 1050 | 25 | 125 | 125 | 156 | M10 | 14 | 185 | 180 |
| IC209101250 | Green | 1250 | 25 | 125 | 125 | 156 | M10 | 14 | 185 | 180 |
| IC209101500 | Orange | 1500 | 25 | 125 | 125 | 156 | M10 | 14 | 185 | 180 |

RESTRAINED SPRING MOUNT HOUSED TYPE

E



Laterally Stable Springs: Provides stability under lateral forces for reliable performance.

Non-Skid Bolt-Down Base: Ensures secure mounting, preventing slippage.

Plated Leveling/Lock Bolt: Standard, with HDG and stainless steel options available on request.

Diameter Ratio: 0.8 for effective load stability and even weight distribution.

Robust Steel Caps: Steel upper and lower caps, with an 8mm rubber base on the lower cap to enhance damping and friction.

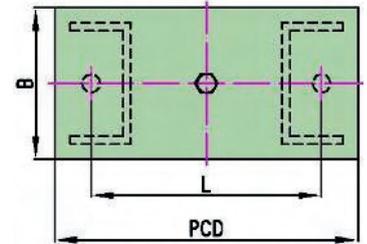
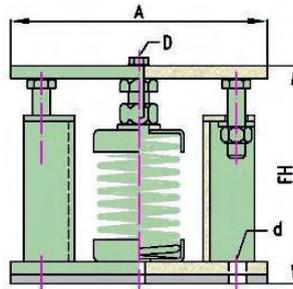
Applications: Suitable for AHUs, Pumps, Centrifugal and Axial Fans, Inertia Bases, Internal Combustion Engines, and other equipment requiring robust vibration isolation.

Compliance: Designed in accordance with BS 1726 (Part 1): 2002 standards.

| Part No. | Color Code | Rec. Load KG | Max Deflection mm | A | B | C | D | d | FH |
|-------------|------------|--------------|-------------------|-----|-----|-----|-----|----|-----|
| IC20911015 | Purple | 15 | 25 | 140 | 70 | 112 | M8 | 12 | 145 |
| IC20911030 | Yellow | 30 | 25 | 140 | 70 | 112 | M8 | 12 | 145 |
| IC20911050 | Blue | 50 | 25 | 140 | 70 | 112 | M8 | 12 | 145 |
| IC20911060 | Blue | 60 | 25 | 140 | 70 | 112 | M8 | 12 | 145 |
| IC20911075 | Blue | 75 | 25 | 140 | 70 | 112 | M8 | 12 | 145 |
| IC20911100 | Green | 100 | 25 | 140 | 70 | 112 | M8 | 12 | 145 |
| IC20911150 | Orange | 150 | 25 | 140 | 70 | 112 | M8 | 12 | 145 |
| IC20911175 | Orange | 175 | 25 | 140 | 70 | 112 | M8 | 12 | 145 |
| IC20911200 | Red | 200 | 25 | 140 | 70 | 112 | M8 | 12 | 145 |
| IC20911250 | Purple | 250 | 25 | 140 | 70 | 112 | M8 | 12 | 145 |
| IC20911300 | Grey | 300 | 25 | 165 | 850 | 138 | M10 | 14 | 170 |
| IC20911400 | Red | 400 | 25 | 165 | 850 | 138 | M10 | 14 | 170 |
| IC20911500 | Brown | 500 | 25 | 165 | 850 | 138 | M10 | 14 | 170 |
| IC20911600 | Black | 600 | 25 | 165 | 850 | 138 | M10 | 14 | 170 |
| IC20911800 | Red | 800 | 25 | 165 | 850 | 138 | M10 | 14 | 170 |
| IC209111050 | White | 1050 | 25 | 165 | 850 | 138 | M10 | 14 | 170 |
| IC209111250 | Green | 1250 | 25 | 165 | 850 | 138 | M10 | 14 | 170 |
| IC209111500 | Orange | 1500 | 25 | 165 | 850 | 138 | M10 | 14 | 170 |

RESTRAINED SPRING MOUNT

E



Controlled Vertical Movement: Restrained design limits vertical displacement for added stability.

Diameter Ratio: 0.8, providing robust load support and even distribution.

Steel Spring: Engineered for effective vibration dampening and stability.

Leveling Bolt and Cap Screw: Standard HDG finish, with stainless steel option on request.

Durable HDG Caps: Upper and lower caps in HDG, with the lower cap featuring an 8mm rubber base for enhanced friction and isolation.

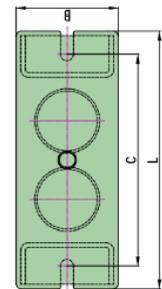
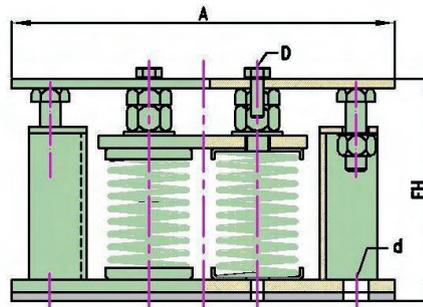
Applications: Ideal for equipment requiring restricted movement, providing stability and vibration isolation across various applications.

Compliance: Manufactured in line with BS 1726 (Part 1): 2002 standards.

| Part No. | Color Code | Rec. Load KG | Max Deflection mm | A | B | C | D | d | FH |
|-------------|------------|--------------|-------------------|-----|-----|-----|-----|----|-----|
| IC20911015 | Purple | 15 | 25 | 140 | 70 | 112 | M8 | 12 | 145 |
| IC20911030 | Yellow | 30 | 25 | 140 | 70 | 112 | M8 | 12 | 145 |
| IC20911050 | Blue | 50 | 25 | 140 | 70 | 112 | M8 | 12 | 145 |
| IC20911060 | Blue | 60 | 25 | 140 | 70 | 112 | M8 | 12 | 145 |
| IC20911075 | Blue | 75 | 25 | 140 | 70 | 112 | M8 | 12 | 145 |
| IC20911100 | Green | 100 | 25 | 140 | 70 | 112 | M8 | 12 | 145 |
| IC20911150 | Orange | 150 | 25 | 140 | 70 | 112 | M8 | 12 | 145 |
| IC20911175 | Orange | 175 | 25 | 140 | 70 | 112 | M8 | 12 | 145 |
| IC20911200 | Red | 200 | 25 | 140 | 70 | 112 | M8 | 12 | 145 |
| IC20911250 | Purple | 250 | 25 | 140 | 70 | 112 | M8 | 12 | 145 |
| IC20911300 | Grey | 300 | 25 | 165 | 850 | 138 | M10 | 14 | 170 |
| IC20911400 | Red | 400 | 25 | 165 | 850 | 138 | M10 | 14 | 170 |
| IC20911500 | Brown | 500 | 25 | 165 | 850 | 138 | M10 | 14 | 170 |
| IC20911600 | Black | 600 | 25 | 165 | 850 | 138 | M10 | 14 | 170 |
| IC20911800 | Red | 800 | 25 | 165 | 850 | 138 | M10 | 14 | 170 |
| IC209111050 | White | 1050 | 25 | 165 | 850 | 138 | M10 | 14 | 170 |
| IC209111250 | Green | 1250 | 25 | 165 | 850 | 138 | M10 | 14 | 170 |
| IC209111500 | Orange | 1500 | 25 | 165 | 850 | 138 | M10 | 14 | 170 |

RESTRAINED DOUBLE SPRING MOUNT

E



Enhanced Vibration Isolation: Double spring configurations for high-stability and efficiency in demanding applications.

Restricted Vertical Movement: Limits vertical displacement to ensure equipment stability and controlled movement.

Optimized Diameter Ratio: 0.8 for superior load distribution and stability.

Robust Steel Springs: Engineered to absorb and dampen vibrations effectively.

Leveling Bolt and Cap Screw: Standard in HDG, with stainless steel available on request.

Durable HDG Caps: Heavy-duty upper and lower caps in HDG, with an 8mm rubber base on the lower cap for enhanced friction and isolation.

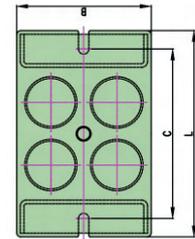
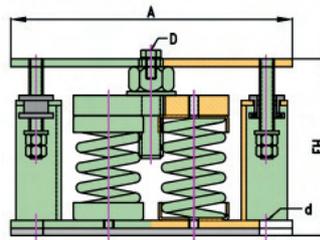
Applications: Specifically designed for Chillers, Generators, Cooling Towers, and other heavy-duty equipment where controlled movement and stability are essential.

Compliance: Designed to meet BS 1726 (Part 1): 2002 standards.

| Part No. | Color Code | Rec. Load KG | Max Deflection mm | A | B | L | PCD | D | d | FH |
|-------------|------------|--------------|-------------------|-----|-----|-----|-----|-----|----|-----|
| IC20913300 | Orange | 300 | 25 | 280 | 110 | 246 | 280 | M10 | 17 | 165 |
| IC20913350 | Orange | 350 | 25 | 280 | 110 | 246 | 280 | M10 | 17 | 165 |
| IC20913400 | Red | 400 | 25 | 280 | 110 | 246 | 280 | M10 | 17 | 165 |
| IC20913500 | Purple | 500 | 25 | 280 | 110 | 246 | 280 | M10 | 17 | 165 |
| IC20913600 | Grey | 600 | 25 | 280 | 110 | 246 | 280 | M10 | 17 | 165 |
| IC20913800 | Red | 800 | 25 | 280 | 110 | 246 | 280 | M10 | 17 | 165 |
| IC209131000 | Brown | 1000 | 25 | 280 | 110 | 246 | 280 | M10 | 17 | 165 |
| IC209131200 | Black | 1200 | 25 | 280 | 110 | 246 | 280 | M10 | 17 | 165 |
| IC209131600 | Red | 1600 | 25 | 280 | 110 | 246 | 280 | M10 | 17 | 165 |
| IC209132100 | White | 2100 | 25 | 280 | 110 | 246 | 280 | M10 | 17 | 165 |
| IC209132500 | Green | 2500 | 25 | 280 | 110 | 246 | 280 | M10 | 17 | 165 |
| IC209133000 | Orange | 3000 | 25 | 280 | 110 | 246 | 280 | M10 | 17 | 165 |

RESTRAINED FOUR SPRING MOUNT

E



Enhanced Vibration Isolation: Four spring configurations for high-stability and efficiency in demanding applications.

Restricted Vertical Movement: Limits vertical displacement to ensure equipment stability and controlled movement.

Optimized Diameter Ratio: 0.8 for superior load distribution and stability.

Robust Steel Springs: Engineered to absorb and dampen vibrations effectively.

Leveling Bolt and Cap Screw: Standard in HDG, with stainless steel available on request.

Durable HDG Caps: Heavy-duty upper and lower caps in HDG, with an 8mm rubber base on the lower cap for enhanced friction and isolation.

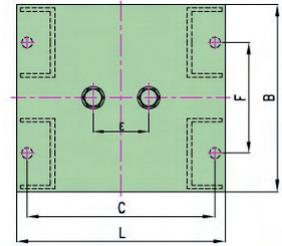
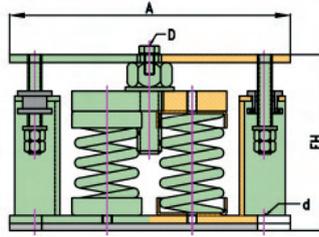
Applications: Specifically designed for Chillers, Generators, Cooling Towers, and other heavy-duty equipment where controlled movement and stability are essential.

Compliance: Designed to meet BS 1726 (Part 1): 2002 standards

| Part No. | Color Code | Rec. Load KG | Max Deflection mm | A | B | L | PCD | D | d | FH | E |
|-------------|------------|--------------|-------------------|-----|-----|-----|-----|-----|----|-----|----|
| IC20914600 | Orange | 600 | 25 | 300 | 180 | 266 | 300 | M12 | 17 | 175 | 80 |
| IC20914700 | Orange | 700 | 25 | 300 | 180 | 266 | 300 | M12 | 17 | 175 | 80 |
| IC20914800 | Red | 800 | 25 | 300 | 180 | 266 | 300 | M12 | 17 | 175 | 80 |
| IC209141000 | Purple | 1000 | 25 | 300 | 180 | 266 | 300 | M12 | 17 | 175 | 80 |
| IC209141200 | Grey | 1200 | 25 | 300 | 180 | 266 | 300 | M12 | 17 | 175 | 80 |
| IC209141600 | Red | 1600 | 25 | 300 | 180 | 266 | 300 | M12 | 17 | 175 | 80 |
| IC209142000 | Brown | 2000 | 25 | 300 | 180 | 266 | 300 | M12 | 17 | 175 | 80 |
| IC209142400 | Black | 2400 | 25 | 300 | 180 | 266 | 300 | M12 | 17 | 175 | 80 |
| IC209143200 | Red | 3200 | 25 | 300 | 180 | 266 | 300 | M12 | 17 | 175 | 80 |
| IC209144200 | White | 4200 | 25 | 300 | 180 | 266 | 300 | M12 | 17 | 175 | 80 |
| IC209145000 | Green | 5000 | 25 | 300 | 180 | 266 | 300 | M12 | 17 | 175 | 80 |
| IC209146000 | Orange | 6000 | 25 | 300 | 180 | 266 | 300 | M12 | 17 | 175 | 80 |

RESTRAINED SIX SPRING MOUNT

E



Enhanced Vibration Isolation: Six spring configurations for high-stability and efficiency in demanding applications.

Restricted Vertical Movement: Limits vertical displacement to ensure equipment stability and controlled movement.

Optimized Diameter Ratio: 0.8 for superior load distribution and stability.

Robust Steel Springs: Engineered to absorb and dampen vibrations effectively.

Leveling Bolt and Cap Screw: Standard in HDG, with stainless steel available on request.

Durable HDG Caps: Heavy-duty upper and lower caps in HDG, with an 8mm rubber base on the lower cap for enhanced friction and isolation.

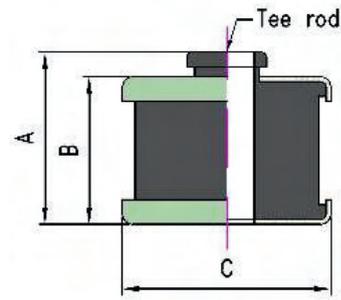
Applications: Specifically designed for Chillers, Generators, Cooling Towers, and other heavy-duty equipment where controlled movement and stability are essential.

Compliance: Designed to meet BS 1726 (Part 1): 2002 standards

| Part No. | Color Code | Rec. Load KG | Max Deflection mm | A | B | L | PCD | D | d | FH | E | F |
|-------------|------------|--------------|-------------------|-----|-----|-----|-----|----|----|-----|----|-----|
| IC20915900 | Orange | 900 | 25 | 300 | 270 | 270 | 300 | 16 | 14 | 190 | 80 | 160 |
| IC209151050 | Orange | 1050 | 25 | 300 | 270 | 270 | 300 | 16 | 14 | 190 | 80 | 160 |
| IC209151200 | Red | 1200 | 25 | 300 | 270 | 270 | 300 | 16 | 14 | 190 | 80 | 160 |
| IC209151500 | Purple | 1500 | 25 | 300 | 270 | 270 | 300 | 16 | 14 | 190 | 80 | 160 |
| IC209151800 | Grey | 1800 | 25 | 300 | 270 | 270 | 300 | 16 | 14 | 190 | 80 | 160 |
| IC209152400 | Red | 2400 | 25 | 300 | 270 | 270 | 300 | 16 | 14 | 190 | 80 | 160 |
| IC209153000 | Brown | 3000 | 25 | 300 | 270 | 270 | 300 | 16 | 14 | 190 | 80 | 160 |
| IC209153600 | Black | 3600 | 25 | 300 | 270 | 270 | 300 | 16 | 14 | 190 | 80 | 160 |
| IC209154800 | Red | 4800 | 25 | 300 | 270 | 270 | 300 | 16 | 14 | 190 | 80 | 160 |
| IC209156300 | White | 6300 | 25 | 300 | 270 | 270 | 300 | 16 | 14 | 190 | 80 | 160 |
| IC209157500 | Green | 7500 | 25 | 300 | 270 | 270 | 300 | 16 | 14 | 190 | 80 | 160 |
| IC209157500 | Orange | 9000 | 25 | 300 | 270 | 270 | 300 | 16 | 14 | 190 | 80 | 160 |

RUBBER HANGER MOUNT

E



Applications: Ideal for vibration isolation in ducting, piping, suspended ceilings, fans, FCUs, and other HVAC and mechanical installations.

Material: Neoprene rubber core, sandwiched between two steel washers.

Shape: Round for even load distribution.

Natural Frequency: 8-20 Hz.

Load Capacity: Supports 30-250 kg.

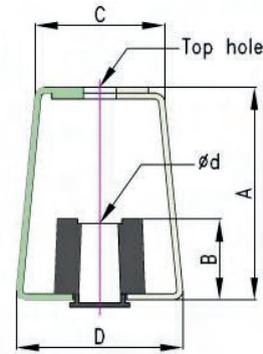
Static Deflection: 2-14 mm.

Design Features: Space-saving, stable, oil-resistant, durable.

| Part No. | Rec. Load KG | Deflection mm | Rod Size mm | A | B | C |
|------------|--------------|---------------|-------------|----|----|----|
| IC20901030 | 30 | 2 | M8, M10 | 25 | 18 | 32 |
| IC20901060 | 60 | 4 | M8, M10 | 34 | 28 | 43 |
| IC20901100 | 100 | 8 | M10, M12 | 45 | 38 | 53 |
| IC20901150 | 150 | 10 | M10, M12 | 45 | 38 | 53 |
| IC20901200 | 200 | 12 | M12, M14 | 45 | 38 | 64 |
| IC20901250 | 250 | 14 | M12, M14 | 45 | 38 | 64 |

HOUSED RUBBER HANGER

E



Enhanced Vibration Isolation: Six spring configurations for high-stability and efficiency in demanding applications.

Restricted Vertical Movement: Limits vertical displacement to ensure equipment stability and controlled movement.

Optimized Diameter Ratio: 0.8 for superior load distribution and stability.

Robust Steel Springs: Engineered to absorb and dampen vibrations effectively.

Leveling Bolt and Cap Screw: Standard in HDG, with stainless steel available on request.

Durable HDG Caps: Heavy-duty upper and lower caps in HDG, with an 8mm rubber base on the lower cap for enhanced friction and isolation.

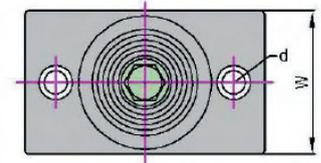
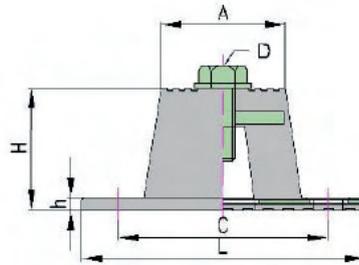
Applications: Specifically designed for Chillers, Generators, Cooling Towers, and other heavy-duty equipment where controlled movement and stability are essential.

Compliance: Designed to meet BS 1726 (Part 1): 2002 standards

| Part No. | Color Code | Rec. Load KG | Max Deflection mm | Top Hole mm | A | B | C | D | d |
|-------------|------------|--------------|-------------------|-------------|-----|----|-----|-----|----|
| IC20902025 | Black | 25 | 3 | 12 | 80 | 33 | 40 | 50 | 12 |
| IC20902050 | Red | 50 | 5 | 12 | 80 | 33 | 40 | 50 | 12 |
| IC20902070 | Black | 70 | 6 | 12 | 80 | 33 | 40 | 50 | 12 |
| IC20902100 | Black | 100 | 5 | 14 | 100 | 40 | 35 | 55 | 14 |
| IC20902120 | Red | 120 | 6 | 14 | 100 | 40 | 35 | 55 | 14 |
| IC20902150 | Black | 150 | 5 | 22 | 142 | 54 | 86 | 110 | 24 |
| IC20902200 | Black | 200 | 7 | 22 | 142 | 54 | 86 | 110 | 24 |
| IC20902300 | Grey | 300 | 10 | 22 | 142 | 54 | 86 | 110 | 24 |
| IC20902400 | Orange | 400 | 12 | 22 | 142 | 54 | 86 | 110 | 24 |
| IC20902500 | Black | 500 | 10 | 24 | 155 | 55 | 118 | 143 | 24 |
| IC20902600 | Grey | 600 | 10 | 24 | 155 | 55 | 118 | 143 | 24 |
| IC20902800 | Orange | 800 | 12 | 24 | 155 | 55 | 118 | 143 | 24 |
| IC209021000 | White | 1000 | 12 | 24 | 155 | 55 | 118 | 143 | 24 |
| IC209021250 | Red | 1250 | 14 | 24 | 155 | 55 | 118 | 143 | 24 |
| IC209021500 | Blue | 1500 | 16 | 24 | 155 | 55 | 118 | 143 | 24 |

RUBBER MOUNT SINGLE

E



Neoprene Element: Provides effective vibration isolation and noise reduction for a wide range of applications.

Space-Saving Installation: Compact design for easy and efficient installation in tight spaces.

Durable Construction: Designed to handle dynamic loads while maintaining stability and isolation.

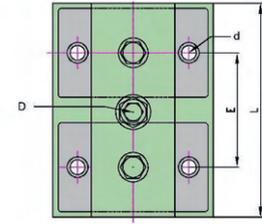
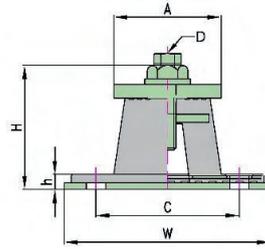
Applications: Ideal for AHUs, Riser Pipes, Outdoor VRF Units, Fans, Pumps, Generators, and similar equipment requiring vibration isolation.

Compliance: Manufactured to meet industry standards for reliable performance.

| Part No. | Color Code | KG | mm | A | W | L | C | H | h | D | d |
|-------------|------------|------|----|----|----|-----|-----|----|---|----|----|
| IC20916025 | Black | 25 | 3 | 40 | 58 | 98 | 78 | 53 | 6 | 10 | 8 |
| IC20916050 | Red | 50 | 5 | 40 | 58 | 98 | 78 | 53 | 6 | 10 | 8 |
| IC20916100 | Grey | 100 | 5 | 40 | 58 | 98 | 78 | 53 | 6 | 10 | 8 |
| IC20916150 | White | 150 | 7 | 40 | 58 | 98 | 78 | 53 | 6 | 10 | 8 |
| IC20916200 | Blue | 200 | 7 | 40 | 58 | 98 | 78 | 53 | 6 | 10 | 8 |
| IC20916250 | Yellow | 250 | 9 | 40 | 58 | 98 | 78 | 53 | 6 | 10 | 8 |
| IC20916300 | Black | 300 | 7 | 62 | 84 | 140 | 104 | 62 | 6 | 12 | 12 |
| IC20916400 | White | 400 | 9 | 62 | 84 | 140 | 104 | 62 | 6 | 12 | 12 |
| IC20916500 | Grey | 500 | 12 | 62 | 84 | 140 | 104 | 62 | 6 | 12 | 12 |
| IC20916600 | Orange | 600 | 7 | 62 | 84 | 140 | 104 | 62 | 6 | 12 | 12 |
| IC20916800 | Yellow | 800 | 10 | 62 | 84 | 140 | 104 | 62 | 6 | 12 | 12 |
| IC209161000 | Black | 1000 | 10 | 62 | 84 | 140 | 104 | 62 | 6 | 12 | 12 |

HOUSED RUBBER MOUNT DOUBLE

E



Double Neoprene Elements: Offers enhanced vibration isolation and noise reduction for more demanding applications.

Compact Housed Design: Provides protection and stability while allowing for space-saving installation.

Durable Construction: Engineered to absorb vibrations from heavy-duty equipment, ensuring long term performance

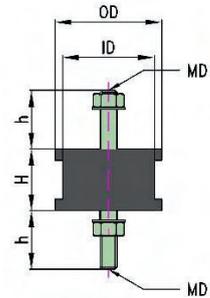
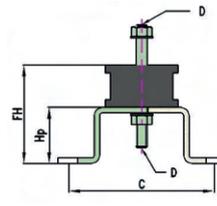
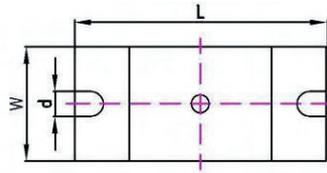
Applications: Ideal for AHUs, Pumps, Fans, Generators, Riser Pipes, Outdoor VRF Units, and other heavy-duty equipment requiring double-layer vibration isolation.

Compliance: Manufactured to meet industry standards for effective vibration control.

| Part No. | Color Code | Rec. Load KG | Max Deflection mm | A | W | L | C | E | H | h | D | d |
|-------------|------------|--------------|-------------------|----|-----|-----|-----|-----|----|----|----|----|
| IC20917600 | Black | 600 | 7 | 62 | 150 | 202 | 104 | 108 | 90 | 11 | 10 | 12 |
| IC20917800 | Red | 800 | 9 | 62 | 150 | 202 | 104 | 108 | 90 | 11 | 10 | 12 |
| IC209171000 | Grey | 1000 | 12 | 62 | 150 | 202 | 104 | 108 | 90 | 11 | 10 | 12 |
| IC209171200 | White | 1200 | 7 | 62 | 150 | 202 | 104 | 108 | 90 | 11 | 10 | 12 |
| IC209171600 | Blue | 1600 | 10 | 62 | 150 | 202 | 104 | 108 | 90 | 11 | 10 | 12 |
| IC209172000 | Yellow | 2000 | 10 | 62 | 150 | 202 | 104 | 108 | 90 | 11 | 10 | 12 |

RUBBER STUD MOUNT SINGLE

E



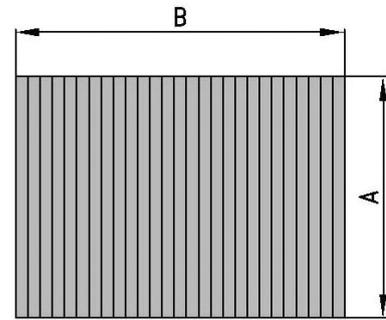
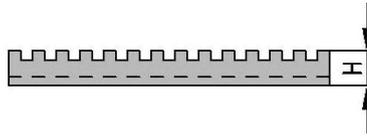
Neoprene Rubber Element: Offers effective vibration isolation with durability and wear resistance.
Compact and Robust Design: Space-saving solution that maintains excellent vibration control.
Steel Base Available on Demand: Provides additional stability and support for heavy-duty applications.

Versatile Installation: Suitable for a wide range of applications with flexible mounting options.
Applications: Ideal for AHUs, Pumps, Fans, Generators, Riser Pipes, and other equipment where space is limited but vibration isolation is crucial.
Compliance: Manufactured to meet industry standards for reliable performance.

| Part No. | Rec. Load KG | Max Deflection mm | OD | ID | H | h | Hp | FH | Md | d | L | W | C |
|------------|--------------|-------------------|-----|-----|----|----|----|-----|----|----|-----|-----|-----|
| IC2091870 | 70 | 5 | 40 | 40 | 31 | 25 | 50 | 81 | 8 | 10 | 114 | 50 | 95 |
| IC20918100 | 100 | 5 | 60 | 56 | 38 | 35 | 50 | 88 | 8 | 10 | 140 | 80 | 115 |
| IC20918180 | 180 | 5 | 65 | 60 | 47 | 35 | 50 | 97 | 8 | 10 | 140 | 80 | 115 |
| IC20918300 | 300 | 5 | 80 | 70 | 47 | 35 | 50 | 97 | 10 | 12 | 154 | 90 | 136 |
| IC20918500 | 500 | 5 | 100 | 95 | 56 | 35 | 50 | 106 | 12 | 12 | 170 | 120 | 154 |
| IC20918800 | 800 | 5 | 120 | 108 | 64 | 35 | 50 | 114 | 14 | 12 | 190 | 140 | 174 |

RUBBER RIBBED MOUNTING PAD (TYPE 1)

E



Design Feature:

Alternate high/low ribbed construction.
Easy to cut pad.

Optional:

Oil resistance: ASTM D 471-06
Fire rate.
ASTM F 1861.

Applications:

Condensers, AHU, Chiller, Cooling Tower, Generator, Compressor, etc...

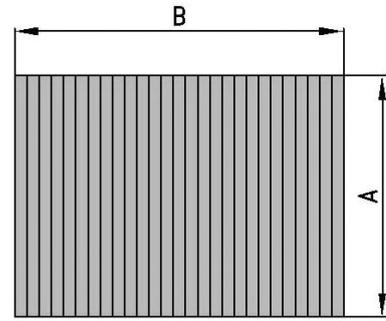
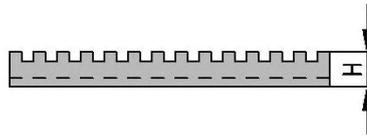
Noted:

Dimensions is mentioned with ± 5 tolerance.
To achieve good isolation do not overload.

| Part No. | Color Code | Capacity (Kg/cm ²) | Max Deflection mm | A | B | H |
|---------------|------------|--------------------------------|-------------------|-----|-----|----|
| IC20920010010 | Black | 3.75 | 3 | 100 | 100 | 10 |
| IC20920020010 | Black | 3.75 | 3 | 200 | 200 | 10 |
| IC20920030010 | Black | 3.75 | 3 | 300 | 300 | 10 |
| IC20920040010 | Black | 3.75 | 3 | 400 | 400 | 10 |
| IC20920050010 | Black | 3.75 | 3 | 500 | 500 | 10 |
| IC20920060010 | Black | 3.75 | 3 | 600 | 600 | 10 |
| IC20920010015 | Black | 4.6 | 6 | 100 | 100 | 15 |
| IC20920020015 | Black | 4.6 | 6 | 200 | 200 | 15 |
| IC20920030015 | Black | 4.6 | 6 | 300 | 300 | 15 |
| IC20920040015 | Black | 4.6 | 6 | 400 | 400 | 15 |
| IC20920050015 | Black | 4.6 | 6 | 500 | 500 | 15 |
| IC20920060015 | Black | 4.6 | 6 | 600 | 600 | 15 |
| IC20920010020 | Black | 21.3 | 6 | 100 | 100 | 20 |
| IC20920020020 | Black | 21.3 | 6 | 200 | 200 | 20 |
| IC20920030020 | Black | 21.3 | 6 | 300 | 300 | 20 |
| IC20920040020 | Black | 21.3 | 6 | 400 | 400 | 20 |
| IC20920050020 | Black | 21.3 | 6 | 500 | 500 | 20 |
| IC20920060020 | Black | 21.3 | 6 | 600 | 600 | 20 |

RUBBER RIBBED MOUNTING PAD (TYPE 2)

E



Design Feature:

Alternate high/low ribbed construction.
Easy to cut pad.

Optional:

Oil resistance: ASTM D 471-06
Fire rate.
ASTM F 1861.

Applications:

Condensers, AHU, Chiller, Cooling Tower, Generator, Compressor, etc...

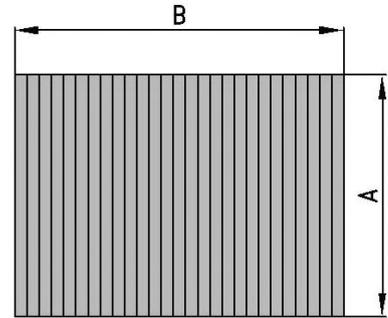
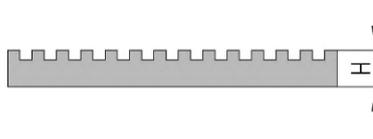
Noted:

Dimensions is mentioned with ± 5 tolerance.
To achieve good isolation do not overload.

| Part No. | Color Code | Capacity (Kg/cm ²) | Max Deflection mm | A | B | H |
|---------------|------------|--------------------------------|-------------------|-----|-----|----|
| IC20921010030 | Black | 12.2 | 6 | 100 | 100 | 30 |
| IC20921020030 | Black | 12.2 | 6 | 200 | 200 | 30 |
| IC20921030030 | Black | 12.2 | 6 | 300 | 300 | 30 |
| IC20921040030 | Black | 12.2 | 6 | 400 | 400 | 30 |
| IC20921050030 | Black | 12.2 | 6 | 500 | 500 | 30 |
| IC20921060030 | Black | 12.2 | 6 | 600 | 600 | 30 |
| IC20921010040 | Black | 12.83 | 12 | 100 | 100 | 40 |
| IC20921020040 | Black | 12.83 | 12 | 200 | 200 | 40 |
| IC20921030040 | Black | 12.83 | 12 | 300 | 300 | 40 |
| IC20921040040 | Black | 12.83 | 12 | 400 | 400 | 40 |
| IC20921050040 | Black | 12.83 | 12 | 500 | 500 | 40 |
| IC20921060040 | Black | 12.83 | 12 | 600 | 600 | 40 |
| IC20921010050 | Black | 15.52 | 10 | 100 | 100 | 50 |
| IC20921020050 | Black | 15.52 | 10 | 200 | 200 | 50 |
| IC20921030050 | Black | 15.52 | 10 | 300 | 300 | 50 |
| IC20921040050 | Black | 15.52 | 10 | 400 | 400 | 50 |
| IC20921050050 | Black | 15.52 | 10 | 500 | 500 | 50 |
| IC20921060050 | Black | 15.52 | 10 | 600 | 600 | 50 |
| IC20921010060 | Black | 20.72 | 10 | 100 | 100 | 60 |
| IC20921020060 | Black | 20.72 | 10 | 200 | 200 | 60 |
| IC20921030060 | Black | 20.72 | 10 | 300 | 300 | 60 |
| IC20921040060 | Black | 20.72 | 10 | 400 | 400 | 60 |
| IC20921050060 | Black | 20.72 | 10 | 500 | 500 | 60 |
| IC20921060060 | Black | 20.72 | 10 | 600 | 600 | 60 |

RUBBER RIBBED MOUNTING PAD (TYPE 2)

E



Design Feature:

Alternate high/low ribbed construction.
Constructed of a steel plate bonded between Ribbed Anti Vibration Pad.

Optional:

Oil resistance: ASTM D 471-06
Fire rate.
ASTM F 1861.

Applications:

Condensers, AHU, Chiller, Cooling Tower, Generator, Compressor, etc...

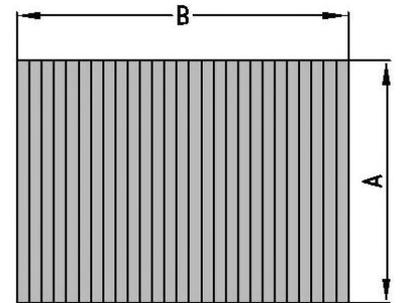
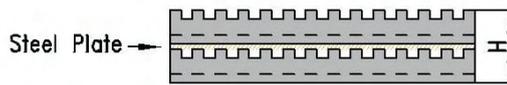
Noted:

Dimensions is mentioned with ± 5 tolerance.
To achieve good isolation do not overload.

| Part No. | Color Code | Capacity (Kg/cm ²) | Max Deflection mm | A | B | H |
|---------------|------------|--------------------------------|-------------------|-----|-----|----|
| IC20923010010 | Black | ≥ 3.75 | 3 | 100 | 100 | 10 |
| IC20923020010 | Black | ≥ 3.75 | 3 | 200 | 200 | 10 |
| IC20923030010 | Black | ≥ 3.75 | 3 | 300 | 300 | 10 |
| IC20923040010 | Black | ≥ 3.75 | 3 | 400 | 400 | 10 |
| IC20923050010 | Black | ≥ 3.75 | 3 | 500 | 500 | 10 |
| IC20923060010 | Black | ≥ 3.75 | 3 | 600 | 600 | 10 |
| IC20923010015 | Black | ≥ 4.60 | 6 | 100 | 100 | 15 |
| IC20923020015 | Black | ≥ 4.60 | 6 | 200 | 200 | 15 |
| IC20923030015 | Black | ≥ 4.60 | 6 | 300 | 300 | 15 |
| IC20923040015 | Black | ≥ 4.60 | 6 | 400 | 400 | 15 |
| IC20923050015 | Black | ≥ 4.60 | 6 | 500 | 500 | 15 |
| IC20923060015 | Black | ≥ 4.60 | 6 | 600 | 600 | 15 |
| IC20923010020 | Black | ≥ 21.23 | 6 | 100 | 100 | 20 |
| IC20923020020 | Black | ≥ 21.23 | 6 | 200 | 200 | 20 |
| IC20923030020 | Black | ≥ 21.23 | 6 | 300 | 300 | 20 |
| IC20923040020 | Black | ≥ 21.23 | 6 | 400 | 400 | 20 |
| IC20923050020 | Black | ≥ 21.23 | 6 | 500 | 500 | 20 |
| IC20923060020 | Black | ≥ 21.23 | 6 | 600 | 600 | 20 |

RUBBER CORK SANDWICH MOUNTING PAD

E



Design Feature:

Alternate high/low ribbed construction.
Constructed of a steel plate bonded between Ribbed Anti Vibration Pad.

Optional:

Oil resistance: ASTM D 471-06
Fire rate.
ASTM F 1861.

Applications:

Condensers, AHU, Chiller, Cooling Tower, Generator, Compressor, etc...

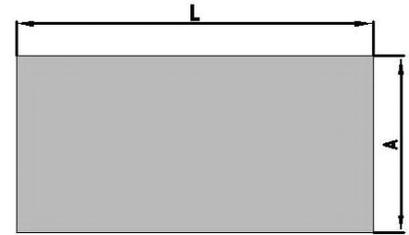
Noted:

Dimensions is mentioned with ± 5 tolerance.
To achieve good isolation do not overload.

| Part No. | Color Code | Capacity (Kg/cm ²) | Max Deflection mm | A | B | H |
|---------------|------------|--------------------------------|-------------------|-----|-----|----|
| IC20922010020 | Black | 3.75 | 6 | 100 | 100 | 20 |
| IC20922020020 | Black | 3.75 | 6 | 200 | 200 | 20 |
| IC20922030020 | Black | 3.75 | 6 | 300 | 300 | 20 |
| IC20922040020 | Black | 3.75 | 6 | 400 | 400 | 20 |
| IC20922050020 | Black | 3.75 | 6 | 500 | 500 | 20 |
| IC20922060020 | Black | 3.75 | 6 | 600 | 600 | 20 |
| IC20922010030 | Black | 4.6 | 12 | 100 | 100 | 30 |
| IC20922020030 | Black | 4.6 | 12 | 200 | 200 | 30 |
| IC20922030030 | Black | 4.6 | 12 | 300 | 300 | 30 |
| IC20922040030 | Black | 4.6 | 12 | 400 | 400 | 30 |
| IC20922050030 | Black | 4.6 | 12 | 500 | 500 | 30 |
| IC20922060030 | Black | 4.6 | 12 | 600 | 600 | 30 |
| IC20922010040 | Black | 21.23 | 12 | 100 | 100 | 40 |
| IC20922020040 | Black | 21.23 | 12 | 200 | 200 | 40 |
| IC20922030050 | Black | 21.23 | 12 | 300 | 300 | 40 |
| IC20922040040 | Black | 21.23 | 12 | 400 | 400 | 40 |
| IC20922050040 | Black | 21.23 | 12 | 500 | 500 | 40 |
| IC20922060040 | Black | 21.23 | 12 | 600 | 600 | 40 |
| IC20922010060 | Black | 12.2 | 12 | 100 | 100 | 60 |
| IC20922020060 | Black | 12.2 | 12 | 200 | 200 | 60 |
| IC20922030060 | Black | 12.2 | 12 | 300 | 300 | 60 |
| IC20922040060 | Black | 12.2 | 12 | 400 | 400 | 60 |
| IC20922050060 | Black | 12.2 | 12 | 500 | 500 | 60 |
| IC20922060060 | Black | 12.2 | 12 | 600 | 600 | 60 |

NEOPRENE RUBBER PAD (NRP)

E



Design Feature:

Alternate high/low ribbed construction.
Constructed of a steel plate bonded between
Ribbed Anti Vibration Pad.

Optional:

Oil resistance: ASTM D 471-06
Fire rate.
ASTM F 1861.

Applications:

Condensers, AHU, Chiller, Cooling Tower, Generator, Compressor, etc...

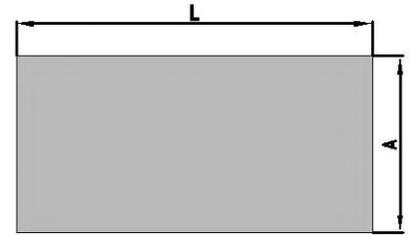
Noted:

Dimensions is mentioned with ± 5 tolerance.
To achieve good isolation do not overload.

| Model | Color code | Capacity Kg/cm ² | Deflection mm | A | L | H |
|--------------|------------|-----------------------------|---------------|----------|-----------|---|
| IC209401003 | Black | ≥ 10.0 | 1.5 | 100 | 50-10,000 | 3 |
| IC209405003 | Black | ≥ 10.0 | 1.5 | 500 | 50-10,000 | 3 |
| IC2094010003 | Black | ≥ 10.0 | 1.5 | 1,000 | 50-10,000 | 3 |
| IC20940503 | Black | ≥ 10.0 | 1.5 | 50-1,000 | 50-10,000 | 3 |
| IC209403005 | Black | ≥ 12.5 | 2 | 300 | 300-1,000 | 5 |
| IC209405005 | Black | ≥ 12.5 | 2 | 500 | 300-1,000 | 5 |
| IC209406005 | Black | ≥ 12.5 | 2 | 600 | 300-1,000 | 5 |
| IC20940505 | Black | ≥ 12.5 | 2 | 50-1,000 | 50-10,000 | 5 |

NEOPRENE RUBBER PAD (NRP)

E



Design Feature:

Alternate high/low ribbed construction.
Constructed of a steel plate bonded between Ribbed Anti Vibration Pad.

Optional:

Oil resistance: ASTM D 471-06
Fire rate.
ASTM F 1861.

Applications:

Condensers, AHU, Chiller, Cooling Tower, Generator, Compressor, etc...

Noted:

Dimensions is mentioned with ± 5 tolerance.
To achieve good isolation do not overload.

| Model | Color code | Capacity Kg/cm ² | Deflection mm | A | L | H |
|--------------|------------|-----------------------------|---------------|----------|-----------|----|
| IC209510030 | Black | ≥ 35.0 | 10 | 100 | 50-1,000 | 30 |
| IC209550030 | Black | ≥ 35.0 | 10 | 500 | 50-1,000 | 30 |
| IC2095100030 | Black | ≥ 35.0 | 10 | 1,000 | 50-1,000 | 30 |
| IC209505030 | Black | ≥ 35.0 | 10 | 50-1,000 | 50-1,000 | 30 |
| IC209510040 | Black | ≥ 35.0 | 12 | 100 | 100-1,000 | 40 |
| IC209550040 | Black | ≥ 35.0 | 12 | 500 | 100-1,000 | 40 |
| IC2095100040 | Black | ≥ 12.5 | 12 | 1,000 | 100-1,000 | 40 |
| IC209505040 | Black | ≥ 35.0 | 12 | 50-1,000 | 50-1,000 | 40 |
| IC209510050 | Black | ≥ 35.0 | 12 | 100 | 100-1,000 | 50 |
| IC20950050 | Black | ≥ 35.0 | 12 | 500 | 100-1,000 | 50 |
| IC2095100050 | Black | ≥ 12.5 | 12 | 1,000 | 100-1,000 | 50 |
| IC209505050 | Black | ≥ 35.0 | 12 | 50-1,000 | 50-1,000 | 50 |
| IC209530060 | Black | ≥ 35.0 | 12 | 300 | 300-1,000 | 60 |
| IC209550060 | Black | ≥ 35.0 | 12 | 500 | 300-1,000 | 60 |
| IC209560060 | Black | ≥ 35.0 | 12 | 600 | 300-1,000 | 60 |
| IC209505060 | Black | ≥ 35.0 | 12 | 50-1,000 | 50-1,000 | 60 |

Contents

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| Metal Dowel & Wall Expansion Plug | 109 |



ANCHORS

ANCHOR TYPES & MATERIAL / COATING

F

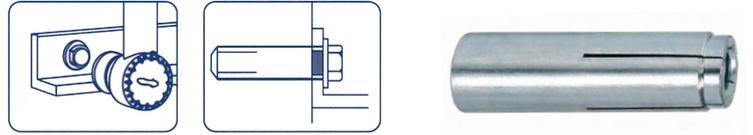
| Code | Size | Photo | Material | Coating |
|--------------------------------|----------------------|---|--|-------------|
| IC40201006 to IC40201020 | M6 to M20 |  | Carbon steel Zinc plated $\geq 5 \mu\text{m}$ | Zinc Plated |
| IC402081230 to IC402082080 | M12 to M20 |  | Carbon steel Zinc plated $\geq 5 \mu\text{m}$ | Zinc Plated |
| IC402051030 to IC402053095 | M10 to M30 |  | Carbon steel Zinc plated $\geq 5 \mu\text{m}$ | Zinc Plated |
| IC40205640 to IC4020516100 | M6 x 40 to M16 x 100 |  | Carbon steel Zinc plated $\geq 5 \mu\text{m}$ | Zinc Plated |
| IC4020610100 to C4020610200 | M10 |  | Carbon steel Zinc plated $\geq 5 \mu\text{m}$ | Zinc Plated |
| IC40204650 to IC40201290 | M6 x 50 to M12 x 90 |  | Carbon steel | Zinc Plated |

INCOFIX DROPIN ANCHOR

F

Drop-in anchors are cylindrical internally threaded expansion anchors designed for anchoring threaded rods into solid concrete. They are installed flush with the surface and expand using a setting tool to create a secure mechanical interlock. Commonly used in suspended HVAC systems, cable trays, piping, and fire protection installations.

- Standard:** As per ASTM E488 / ACI 355.2
- Material:** Zinc-plated carbon steel
- Finish Options:** Electro-galvanized / SS A4 for corrosive environments
- Thread Type:** Metric ISO coarse, 60° thread angle
- Installation Method:** Hammer-set using appropriate setting tool
- Substrate:** Solid concrete only (not suitable for hollow blocks or brick)



| Part No. | Anchor Size | Internal Thread | Drill Hole Diameter | Anchor Body Length | Setting Tool Ref | Pull-Out Strength (kN) | Shear Strength (kN) |
|------------|-------------|-----------------|---------------------|--------------------|------------------|------------------------|---------------------|
| IC40201006 | M6 | M6 | 8 | 25 | SET-M6 | 2.48 | 2.91 |
| IC40201008 | M8 | M8 | 10 | 30 | SET-M8 | 3.31 | 3.84 |
| IC40201010 | M10 | M10 | 12 | 40 | SET-M10 | 4.28 | 5.1 |
| IC40201012 | M12 | M12 | 15 | 50 | SET-M12 | 6.1 | 8.3 |
| IC40201016 | M16 | M16 | 20 | 65 | SET-M16 | 9.1 | 18.52 |
| IC40201020 | M20 | M20 | 25 | 80 | SET-M20 | 12.3 | 27.13 |

SETTING TOOL

- Material:** Low Carbon Steel as per ASTM A36 Grade
- Mechanical Grade:** 5.8 (as per ISO 898-1)
- Thread Type:** Metric
- Thread Angle:** 60 degrees (as per ASME B1.1)
- Surface Finish:** Zinc Plated (Cr6+)
- Corrosion Resistance:** Suitable for indoor, dry environments



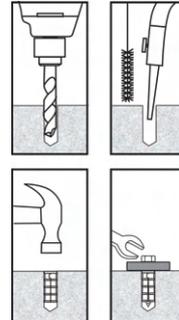
| Part No. | Setting Tool Ref | Compatibility Anchor Size | Overall Length | Body Diameter | Grip Type |
|------------|------------------|---------------------------|----------------|---------------|-----------|
| IC40202006 | SET-M6 | M6 | 705 | 6 | Knurled |
| IC40202008 | SET-M8 | M8 | 85 | 8 | Knurled |
| IC40202010 | SET-M10 | M10 | 100 | 10 | Knurled |
| IC40202012 | SET-M12 | M12 | 115 | 12 | Knurled |
| IC40202016 | SET-M16 | M16 | 145 | 16 | Knurled |
| IC40202020 | SET-M20 | M20 | 155 | 20 | Knurled |

LAG SCREW SHIELD ANCHOR

Lag Screw Shield Anchors are designed for light to medium-duty fastening into concrete, brick, or block. They are made of rustproof zinc alloy and work with lag screws to provide strong holding power. The anchor expands as the screw is tightened, creating a secure hold in the base material. A short shield is recommended for harder concrete to minimize drilling time, while a long shield is ideal for softer masonry for maximum holding power.

Function

- Available in short or long length.
- Expand as lag screw is fastened through the anchor.
- Consist of pre-assembled two-part expansion shields.
- Manufactured from corrosion-resistant zinc alloy.
- Precisely tapered internal threading for easy screw installation.



| Part No. | Size | Shield Length (mm) | Drill Hole Diameter (mm) | Screw Size (mm) | Min. Embedment (mm) | Pull-Out Strength* (kN) | Shear Strength* (kN) |
|-------------|------|--------------------|--------------------------|-----------------|---------------------|-------------------------|----------------------|
| IC402081230 | 12 | 30 | 12 | 8-10 | 30 | 3 | 4.5 |
| IC402081250 | 12 | 50 | 12 | 8-10 | 50 | 4.5 | 6 |
| IC402081638 | 16 | 38 | 16 | 12-14 | 38 | 5 | 7.5 |
| IC402081665 | 16 | 65 | 16 | 12-14 | 65 | 6.5 | 9 |
| IC402082050 | 20 | 50 | 20 | 16 | 50 | 7 | 10.5 |
| IC402082080 | 20 | 80 | 20 | 16 | 80 | 9 | 12 |

SHIELD ANCHOR DOUBLE

The Double Expansion Shield Anchor is designed for secure anchoring in concrete, brick, or block base materials. When a machine-threaded bolt is inserted and tightened, the anchor expands at two points along its length, providing a strong grip and reducing the risk of base material damage. Manufactured from high-quality Zamac zinc alloy for superior corrosion resistance, this anchor is ideal for light to medium-duty fastening applications. The dual expansion design ensures excellent holding values in softer or variable-density base materials.

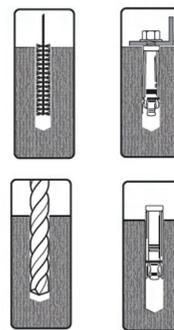
Applications

- Electrical and mechanical fixtures
- Pipe supports and brackets
- HVAC equipment
- Handrails and safety barriers
- General construction and maintenance fastening

Material: Zamac Zinc Alloy

Finish: Casting

Standard: ANSI



| Part No. | Outside Diameter (mm) | Anchor Length (mm) | Drill Bit Dia. (mm) | Min. Embedment Depth (mm) | Recommended Torque (Nm) | Shear Load (kN) | Tensile Load (kN) |
|-------------|-----------------------|--------------------|---------------------|---------------------------|-------------------------|-----------------|-------------------|
| IC402051030 | 10 | 30 | 10 | 30 | 4 | 1 | 0.8 |
| IC402051238 | 12 | 38 | 12 | 38 | 8 | 1.5 | 1.2 |
| IC402051250 | 15 | 50 | 15 | 50 | 12 | 2 | 1.6 |
| IC402052065 | 20 | 65 | 20 | 65 | 20 | 3 | 2.4 |
| IC402052580 | 25 | 80 | 25 | 80 | 30 | 4 | 3.2 |
| IC402053095 | 30 | 95 | 30 | 95 | 40 | 5 | 4 |

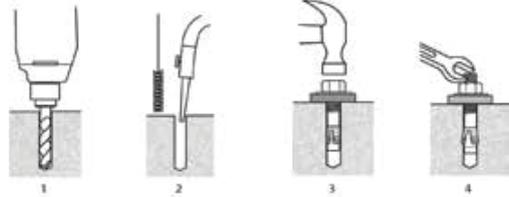
WEDGE ANCHOR

F

Available in Carbon Steel (zinc-plated, hot-dip galvanized) and Stainless Steel A2/A4 for corrosion resistance.
 High pull-out and shear load performance.
 Easy installation – simply drill, insert, and torque.
 Expansion clip ensures uniform load transfer.
 Sizes range from M6 to M20 (1/4" to 3/4") diameters.
 Lengths from 40 mm to 300 mm (depending on diameter).
 Designed for cracked and non-cracked concrete.

Applications

Pipe support systems (Clevis Hangers, Sprinkler Clamps, Brackets).
 Duct supports and MEP framing.
 Cable trays and electrical supports.
 Structural steel connections.
 Machinery and equipment anchoring.



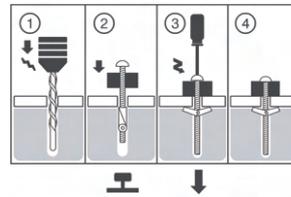
| Part No. | Anchor Size | Anchor Length (mm) | Thread Length (mm) | Min. Embedment (mm) | Max. Fixture Thickness (mm) | Pull-Out Load* (kN) | Shear Load* (kN) |
|--------------|-------------|--------------------|--------------------|---------------------|-----------------------------|---------------------|------------------|
| IC40203640 | M6 x 40 | 40 | 15 | 25 | 5 | 2.5 | 2.1 |
| IC40203655 | M6 x 55 | 55 | 30 | 25 | 20 | 2.5 | 2.1 |
| IC40203670 | M6 x 70 | 70 | 25 | 25 | 55 | 3 | 2.5 |
| IC40203855 | M8 x 55 | 55 | 20 | 35 | 10 | 2.58 | 2.58 |
| IC40203865 | M8 x 65 | 65 | 25 | 55 | 20 | 4.6 | 4.2 |
| IC40203875 | M8 x 75 | 75 | 50 | 55 | 50 | 6 | 4.2 |
| IC40203890 | M8 x 90 | 90 | 55 | 55 | 45 | 6 | 4.2 |
| IC402031060 | M10 x 60 | 60 | 25 | 45 | 10 | 5.9 | 5.9 |
| IC402031075 | M10 x 75 | 75 | 40 | 45 | 25 | 6.3 | 6.3 |
| IC402031090 | M10 x 90 | 90 | 55 | 45 | 40 | 8.5 | 8.4 |
| IC4020310100 | M10 x 100 | 100 | 55 | 45 | 50 | 9.05 | 8.4 |
| IC4020310115 | M10 x 115 | 115 | 40 | 45 | 65 | 9.05 | 8.4 |
| IC402031275 | M12 x 75 | 75 | 50 | 55 | 10 | 6.6 | 6.6 |
| IC402031290 | M12 x 90 | 90 | 55 | 55 | 25 | 11 | 10 |
| IC4020312100 | M12 x 100 | 100 | 55 | 55 | 35 | 11 | 9.2 |
| IC4020312120 | M12 x 120 | 120 | 40 | 55 | 55 | 11 | 9.2 |
| IC4020312140 | M12 x 140 | 140 | 45 | 55 | 75 | 11 | 9.2 |
| IC402031490 | M14 x 90 | 90 | 55 | 65 | 15 | 11.4 | 12.4 |
| IC4020314100 | M14 x 100 | 100 | 40 | 65 | 25 | 11.4 | 12.4 |
| IC4020314115 | M14 x 115 | 115 | 40 | 65 | 40 | 14.5 | 12.4 |
| IC4020314135 | M14 x 135 | 140 | 45 | 65 | 65 | 14.5 | 12.4 |
| IC4020314160 | M14 x 160 | 160 | 50 | 65 | 85 | 14.5 | 12.4 |
| IC402036100 | M16 x 100 | 100 | 40 | 70 | 20 | 12.2 | 15.5 |
| IC402036120 | M16 x 120 | 120 | 45 | 70 | 40 | 18 | 15.5 |
| IC402036135 | M16 x 135 | 155 | 45 | 70 | 55 | 18 | 15.5 |
| IC402036150 | M16 x 150 | 150 | 50 | 70 | 70 | 18 | 15.5 |
| IC402036180 | M16 x 180 | 180 | 55 | 70 | 100 | 18 | 15.5 |

GRAVITY TOGGLE ANCHOR

The heavy-gauge wings of the Gravity Toggle Anchor are designed with a high-capacity truss structure, ideal for fixing to cavity walls and ceilings of low structural strength. The fixings cannot be reused – removal of the screw will result in the toggle dropping into the cavity.

Features

- Suitable for heavy-duty fixing such as radiators, wall units, & overhead applications.
- Wide-span wings spread the load for increased holding capacity.
- Excellent holding power in lath and plaster.
- Quick and easy installation without specialist tools.
- Suitable for hollow walls, fibreboard, plasterboard, and partitions



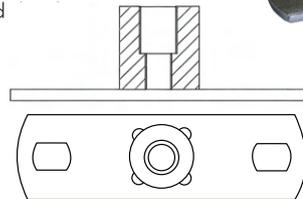
| Part No. | Size | Bolt Length (mm) | Drill Hole Dia (mm) | Tensile Strength (kN) |
|--------------|------|------------------|---------------------|-----------------------|
| IC4020610100 | M10 | 100 | 30 | 13 |
| IC4020610200 | M10 | 200 | 30 | 13 |

BASE PLATE WITH WELDED NUT

Base Plates with Welded Nuts are designed for secure attachment of threaded rods, bolts, or other fasteners to various surfaces. They are commonly used in construction, scaffolding, and machinery installations where a firm, fixed threaded anchor point is required. The welded nut provides a robust, permanent fixing solution, while the base plate offers stability and load

Function:

- Provides a stable threaded connection point for structural or equipment mounting.
- Nut is securely welded to the base plate to prevent loosening or rotation.
- Allows for easy installation of threaded components.
- Distributes loads over a wider surface area to reduce stress on the substrate.
- Can be used on walls, floors, ceilings, or metal frames.



| Part No. | Thread Size (mm) | Plate Length (mm) | Plate Width (mm) | Plate Thickness (mm) | Hole Size (mm) | Nut Height (mm) | Tensile Strength (kN) |
|------------|------------------|-------------------|------------------|----------------------|----------------|-----------------|-----------------------|
| IC40211006 | M6 | 80 | 25 | 3 | 7x12 slot | 12 | 2.5 |
| IC40211008 | M8 | 80 | 25 | 3 | 9x14 slot | 14 | 2.5 |
| IC40211010 | M10 | 90 | 30 | 4 | 11x16 slot | 16 | 2.5 |
| IC40211012 | M12 | 90 | 30 | 4 | 13x18 slot | 18 | 2.5 |

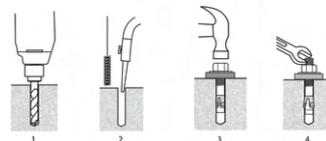
SHIELD ANCHOR

Shield Anchor Fix Bolts are designed for heavy-duty fastening into solid concrete. They provide strong, secure anchoring and are ideal for structural and high-load applications. The four-piece expansion mechanism ensures maximum holding power by expanding evenly inside the drilled hole, delivering reliable performance in demanding environments.

Applications:

- Fixing heavy machinery and equipment
- Structural steel connections
- Securing safety barriers, handrails, and guard rails
- Anchoring shelves, brackets, and supports in concrete walls

| Part No. | Size | Length (mm) | Tensile Strength (kN) |
|-------------|--------|-------------|-----------------------|
| IC40204650 | M6x50 | 48.6 | 0.8 |
| IC40204860 | M8x60 | 65 | 2.5 |
| IC402041070 | M10x70 | 71 | 3.2 |
| IC40201290 | M12x90 | 93 | 4.6 |



WOOD TO METAL DOWEL

F

Wood-to-metal dowel screws are designed for fastening wood to metal, providing a strong and durable connection without the need for through-bolts. One end has a wood screw thread to grip timber, while the other end features a machine screw thread for securing into metal or threaded inserts. Commonly used in furniture, fixtures, and structural applications.



Function

Dual-thread design: wood screw thread on one end, machine screw thread on the other. Allows fastening of timber directly to metal structures or pre-threaded components. Eliminates need for exposed bolt heads or nuts on the visible surface. Available in various diameters and lengths to suit different applications. Manufactured from carbon steel, zinc-plated for corrosion resistance.

| Part No. | Dowel Size (Wood x Metal Thread) | Overall Length (mm) | Wood Thread Length (mm) | Metal Thread Length (mm) | Tensile Strength (kN) | Shear Strength (kN) | Drill Hole in Metal (mm) |
|----------------|----------------------------------|---------------------|-------------------------|--------------------------|-----------------------|---------------------|--------------------------|
| IC402096650 | 6 x M6 | 50 | 25 | 25 | 3 | 2.5 | 6.2 |
| IC402096860 | 6 x M8 | 60 | 30 | 30 | 4.2 | 3.6 | 8.2 |
| IC402098660 | 8 x M6 | 60 | 30 | 30 | 3.2 | 2.7 | 6.2 |
| IC402098870 | 8 x M8 | 70 | 35 | 35 | 4.5 | 3.8 | 8.2 |
| IC402091080 | 8 x M10 | 80 | 40 | 40 | 5.8 | 4.9 | 10.2 |
| IC4020910880 | 10 x M8 | 80 | 40 | 40 | 4.8 | 4 | 8.2 |
| IC40209101090 | 10 x M10 | 90 | 45 | 45 | 6 | 5.1 | 10.2 |
| IC402091210100 | 12 x M10 | 100 | 50 | 50 | 6.5 | 5.6 | 10.2 |
| IC402091212110 | 12 x M12 | 110 | 55 | 55 | 8 | 6.8 | 12.2 |

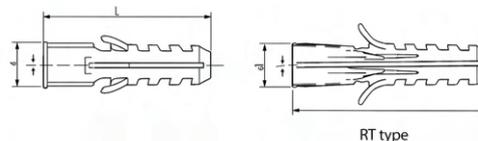
NYLON WALL EXPANSION PLUG (Normal & RT Type)

Nylon wall plugs are designed for securely fixing screws into solid masonry walls, concrete, brick, and stone. They expand upon insertion of a screw, ensuring a tight grip and preventing loosening over time. Made from durable nylon, they are resistant to corrosion, aging, and temperature changes. The RT (Ribbed Taper) type offers enhanced grip in soft materials and prevents rotation during installation.



Function:

Provide strong and secure anchorage for screws in solid walls. Expand evenly to distribute load and prevent cracking of the substrate. Made from high-grade nylon for durability and resistance to wear. Available in Normal (smooth body) and RT (ribbed taper) types. Designed for use with wood screws or chipboard screws.



| Part No. | Size (mm) | Plug Length (mm) | Drill Hole Diameter (mm) | Screw Diameter Range (mm) | Pull-out Load in Concrete (kN) | Pull-out Load in Solid Brick (kN) |
|---------------|------------------|------------------|--------------------------|---------------------------|--------------------------------|-----------------------------------|
| IC40210525 | 5 x 25 (Normal) | 25 | 5 | 3-4 | 0.4 | 0.3 |
| IC40210525RT | 5 x 25 (RT) | 25 | 5 | 3-4 | 0.45 | 0.35 |
| IC40210630 | 6 x 30 (Normal) | 30 | 6 | 3.5-5 | 0.6 | 0.5 |
| IC40210630RT | 6 x 30 (RT) | 30 | 6 | 3.5-5 | 0.65 | 0.55 |
| IC40210840 | 8 x 40 (Normal) | 40 | 8 | 4.5-6 | 0.9 | 0.8 |
| IC40210840RT | 8 x 40 (RT) | 40 | 8 | 4.5-6 | 1.0 | 0.85 |
| IC402101050 | 10 x 50 (Normal) | 50 | 10 | 6-8 | 1.4 | 1.2 |
| IC402101050RT | 10 x 50 (RT) | 50 | 10 | 6-8 | 1.5 | 1.3 |
| IC402101260 | 12 x 60 (Normal) | 60 | 12 | 8-10 | 2.0 | 1.6 |
| IC402101260RT | 12 x 60 (RT) | 60 | 12 | 8-10 | 2.2 | 1.8 |

Section G

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| Vertical Suspension Connector & Hole Swivel Bracket | 113 | Shear Head Break Off Bolt & Slanted Bolt Fitting | 118 |
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SEISMIC

SEISMIC CONNECTOR A

G

Features: Universal design suitable for installation in various structures, including concrete structures, steel structures, and wooden structures. Installation uses wedge anchors: no need for torque wrench testing. Once tightened, the torque-breaking head will shear off automatically to indicate correct installation, making installation quality visible and reliable. Applicable to horizontal and vertical seismic bracing systems. Innovative design for easy installation, saving time and reducing cost.

Technical Specifications:

Main Material: Q235B, compliant with GB/T700-2006

Surface Treatment: Electro-galvanized, average coating thickness 12 μm, compliant with GB/T9799-2011

Other surface treatments can also be provided, such as hot-dip galvanizing.



| Part No. | Specification | Design Load (kN) |
|------------|---------------|------------------|
| IC50101012 | M12 | 13.5 |

SEISMIC CONNECTION BASE B

Universal design compatible with various structures including truss main structures, steel structures, wood structures, etc. Quick installation with single-wheel clamping; no torque wrench required. Enables visual confirmation of seismic support installation even in tight spaces. Suitable for both longitudinal and lateral seismic supports. Innovative design simplifies installation, saving time and cost.

Technical Specifications:

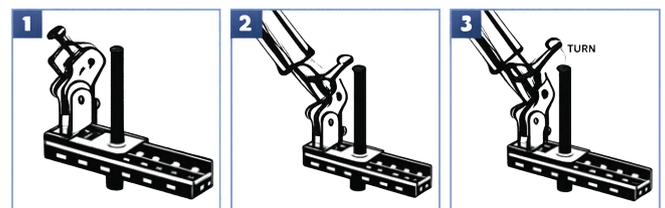
Base Material: Q235B, compliant with GB/T700-2006

Surface Treatment: Electro-galvanized, average coating thickness not less than 12 μm, compliant with GB/T9799-2011

Mechanical Performance: Meets national standards for seismic support pipe bracket treatment



| Part No. | Specification | Design Pull-out Force (N) |
|------------|---------------|---------------------------|
| IC50101012 | M12 | 13.5 |
| IC50102016 | M16 | 13.5 |



SEISMIC CONNECTION BASE D

G

Application:

Suitable for various structures including reinforced concrete, steel, and wood. During installation, no cutting or welding is required, ensuring safety and efficiency. The design allows for quick and easy assembly and adjustment.

Material:

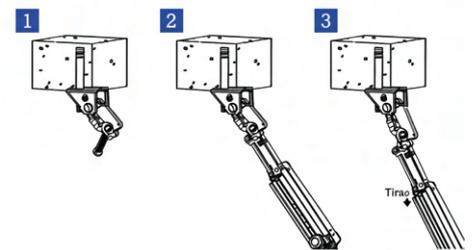
Q235B, compliant with GB/T700-2006.

Surface Treatment:

Electro-galvanized, average coating thickness 12 m, compliant with GB/T9799-2011. Other surface treatments such as hot-dip galvanizing are also available.



| Part No. | Specification | Design Load (kN) |
|------------|---------------|------------------|
| IC50103012 | M12 | 15.9 |



ADJUSTABLE CONNECTOR A

Application:

Suitable for various structures including reinforced concrete, steel, and wood. Can be used for seismic bracing and pipe support applications. Innovative design makes installation simple, saving time and cost.

Material:

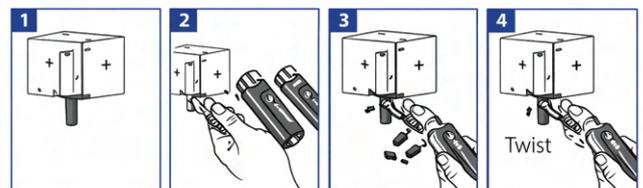
Q235B, compliant with GB/T700-2006.

Surface Treatment:

Electro-galvanized, average coating thickness 12 m, compliant with GB/T9799-2011. Other surface treatments such as hot-dip galvanizing are also available.



| Part No. | Specification | Design Load (kN) |
|------------|---------------|------------------|
| IC50101012 | M12 | 7.3 |



VERTICAL SUSPENSION CONNECTOR



Application:

Suitable for various structures including reinforced concrete, steel, and wood. During installation, no cutting or welding is required, ensuring safety and efficiency. The design allows for quick and easy assembly and adjustment.

Material:

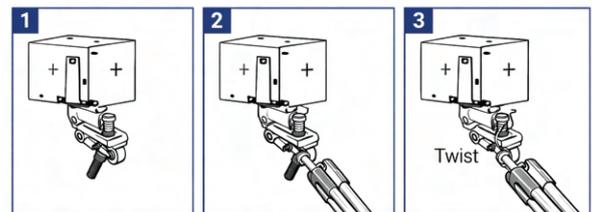
Q235B, compliant with GB/T700-2006.

Surface Treatment:

Electro-galvanized, average coating thickness 12 μm, compliant with GB/T9799-2011. Other surface treatments such as hot-dip galvanizing are also available.



| Part No. | Specification | Design Load (kN) |
|------------|---------------|------------------|
| IC50105012 | M12 | 15.9 |
| IC50105016 | M12 | 15.9 |



HOLE SWIVEL BRACKET

Application:

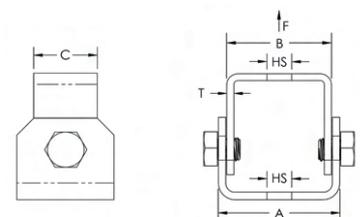
Suitable for seismic bracing, HVAC suspension, strut mounting, and pipe/duct support. Swivel allows 0-90° adjustable angles for fast and flexible installation.

Material:

High-strength Steel for durable industrial and commercial use.

Surface Treatment:

Electro-galvanized coating for corrosion resistance. Hot-dip galvanized and other finishes also available on request.



| Part No. | Hole Size | A | B | C | Thickness | Static Load |
|------------|-----------|-------|-------|-------|-----------|-------------|
| IC50106012 | 13 mm | 61 mm | 52 mm | 30 mm | 4 mm | 4,000 N |

STEEL WIRE ROPE OPEN-END CONNECTOR

G

Application:

Suitable for various structures including reinforced concrete, steel, and wood.
Can be used for seismic bracing and pipe support applications.
Innovative design makes installation simple, saving time and cost.

Material:

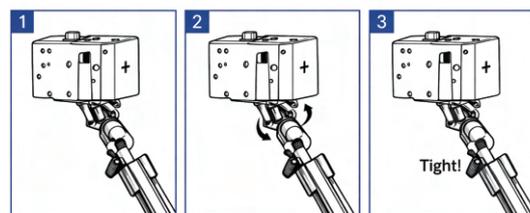
Q235B, compliant with GB/T700-2006.

Surface Treatment:

Electro-galvanized, average coating thickness 12 μm, compliant with GB/T9799-2011.
Other surface treatments such as hot-dip galvanizing are also available.



| Part No. | Specification | Design Load (kN) |
|------------|---------------|------------------|
| IC50107012 | M12 | 7 |
| IC50107016 | M16 | 6.5 |



ADJUSTABLE CONNECTOR B

Application:

Suitable for various structures including reinforced concrete, steel, and wood.
Can be used for seismic bracing and pipe support applications.
Innovative design makes installation simple, saving time and cost.

Material:

Q235B, compliant with GB/T700-2006.

Surface Treatment:

Electro-galvanized, average coating thickness 12 μm, compliant with GB/T9799-2011.
Other surface treatments such as hot-dip galvanizing are also available.



| Part No. | Specification | Design Load (kN) |
|------------|---------------|------------------|
| IC50108012 | M12 | 6.5 |
| IC50108016 | M16 | 6.5 |

STEEL WIRE ROPE SINGLE-DIRECTION CONNECTOR

G

Application:

Suitable for various structures including reinforced concrete, steel, and wood. Can be used for seismic bracing and pipe support applications. Innovative design makes installation simple, saving time and cost.



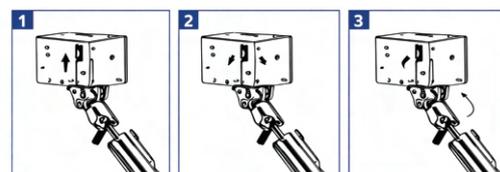
Material:

Q235B, compliant with GB/T700-2006.

Surface Treatment:

Electro-galvanized, average coating thickness 12 m, compliant with GB/T9799-2011. Other surface treatments such as hot-dip galvanizing are also available.

| Part No. | Specification | Design Load (kN) |
|------------|---------------|------------------|
| IC50109012 | M12 | 8 |



SUSPENDED PIPE CLAMP

Application:

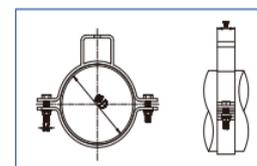
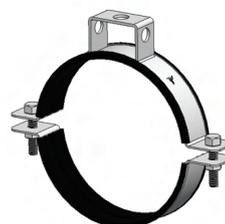
Suitable for DN65-DN150 pipe suspension.

Material:

Q235B, compliant with GB/T700-2006.

Surface Treatment:

Electro-galvanized, average coating thickness 12 m, compliant with GB/T9799-2011. Other surface treatments such as hot-dip galvanizing are also available.



| Part No. | Nominal Diameter (DN) | D (mm) | Bolt Spec | Design Load (kN) |
|-------------|-----------------------|--------|-----------|------------------|
| IC125010865 | DN65 | 63.5 | M12 | 9.5 |
| IC12501080 | DN80 | 76.1 | M12 | 9.5 |
| IC12501180 | DN80 | 88.9 | M12 | 9.5 |
| IC12501100 | DN100 | 108 | M12 | 9.5 |
| IC12501125 | DN125 | 140 | M12 | 9.5 |
| IC12501150 | DN150 | 168 | M12 | 9.5 |

U-SHAPED CLAMP

G

Application:

Used for horizontal seismic bracing installation.
Size range: DN50-DN150.

Material:

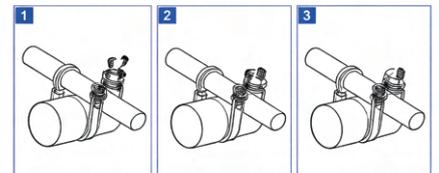
Q235B, compliant with GB/T700-2006.

Surface Treatment:

Electro-galvanized, average coating thickness 12 m, compliant with GB/T9799-2011.
Other surface treatments such as hot-dip galvanizing are also available.



| Part No. | Nominal Diameter (mm) | D (mm) |
|------------|-----------------------|--------|
| IC11508050 | DN50 | 60.3 |
| IC11508065 | DN65 | 63.5 |
| IC11508665 | DN65 | 76.1 |
| IC11508080 | DN80 | 88.9 |
| IC11508100 | DN100 | 114 |
| IC11508125 | DN125 | 88.9 |
| IC11508150 | DN150 | 168 |



C-TYPE STEEL BEAM CLAMP

Application:

Used for connecting steel beams such as I-beams and H-beams without drilling or welding.
Can also be used for connecting steel beams to equipment.
Provides a secure and adjustable connection, easy to install, and does not damage the structure.
Can be reused multiple times.

Material:

45# Steel, compliant with GB/T699-2015.

Surface Treatment:

Electro-galvanized, average coating thickness 12 m, compliant with GB/T9799-2011.
Other surface treatments such as hot-dip galvanizing are also available.



| Part No. | Design Load (kN) | Bolt Hole Size (mm) | Width (mm) |
|------------|------------------|---------------------|------------|
| IC50101101 | 8 | 50 | 30 |

COUPLING NUT

G

Application:

Used for connecting two bolts together.
Comes with internal threads to ensure secure connection.

Material:

Q235B, compliant with GB/T700-2006.

Surface Treatment:

Electro-galvanized, average coating thickness 15 m, compliant with GB/T9799-2011.
Other surface treatments such as hot-dip galvanizing are also available.



| Part No. | Thread Spec | Length (mm) | Package (pcs) |
|------------|-------------|-------------|---------------|
| IC30135010 | M10 | 40 | 50 |
| IC30135012 | M12 | 50 | 50 |
| IC30135016 | M16 | 50 | 50 |

TRIANGULAR BEAM CLAMP

Application:

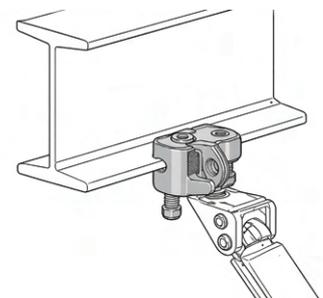
Used for connecting steel beams such as I-beams and H-beams without drilling or welding.
Can also be used for connecting steel beams to equipment.
Provides a secure and adjustable connection, easy to install, and does not damage the structure.
Can be reused multiple times.

Material:

45# Steel, compliant with GB/T699-2015.

Surface Treatment:

Electro-galvanized, average coating thickness 12 m, compliant with GB/T9799-2011.
Other surface treatments such as hot-dip galvanizing are also available.



| Part No. | Design Load (kN) | Bolt Hole Size (mm) | Width (mm) |
|------------|------------------|---------------------|------------|
| IC50101200 | 13 | 50 | 30 |

SHEAR HEAD BREAK-OFF BOLT



Application:

Surface Treatment: Electro-galvanized, average coating thickness 15 m, compliant with GB/T9799-2011.

Other surface treatments such as hot-dip galvanizing are also available.

Performance Grade: 8.8



| Part No. | Thread Spec | Recommended Torque (N•m) | Package (pcs) |
|------------|-------------|--------------------------|---------------|
| IC30136012 | M12 | 50 | 30 |

SLANTED BOLT FITTING

Application:

Suitable for securing connections between handrails and end caps.

Surface Treatment: Surface Treatment: Electro-galvanized, with an average zinc layer thickness not less than 5 m, compliant with GB/T9799-2011.

Optional coatings available: zinc-nickel plating, hot-dip galvanizing, etc.



| Part No. | Thread Spec | A (mm) | B (mm) | M10 (mm) | M10 (mm) |
|------------|-------------|--------|--------|----------|----------|
| IC30137010 | M10 | 30 | 50 | 50 | 100 |

HEX NUT

Standard: ISO 4032 / DIN 934

Thread Type: Metric Coarse, 60° thread angle (ASME B1.1-compatible)

Materials & Finishes:

Zinc Plated Steel – Grade 5

Hot Dip Galvanized (HDG) Steel – Grade 5

Stainless Steel A2 (AISI 304), A4 (AISI 316)

Nut Fit Tolerance: Class 6H (Zinc/A2/A4), Class 6AZ (HDG)



| Part No. | d | s (mm) | m (mm) |
|------------|-----|--------|--------|
| IC30105006 | M6 | 10 | 5 |
| IC30105008 | M8 | 13 | 6.5 |
| IC30105010 | M10 | 17 | 8 |
| IC30105012 | M12 | 19 | 10 |
| IC30105014 | M14 | 22 | 11 |
| IC30105016 | M16 | 24 | 13 |

FLAT WASHER

Standard: ISO 7089 / DIN 125

Function: Distributes clamping load and protects surfaces

Materials: Zinc Plated Steel, HDG Steel, SS A2, SS A4

Size Range: M6 to M24



| Part No. | d | D (mm) | h (mm) |
|------------|-----|--------|--------|
| IC30106006 | M6 | 12 | 1.6 |
| IC30106008 | M8 | 16 | 1.6 |
| IC30106010 | M10 | 20 | 2 |
| IC30106012 | M12 | 24 | 2.5 |
| IC30106014 | M14 | 28 | 2.5 |
| IC30106016 | M16 | 30 | 3 |

SPRING LOCK WASHER

Standard: DIN 127

Function: Prevents loosening under vibration

Materials: Zinc Plated Steel, SS A2, SS A4

Size Range: M6 to M16

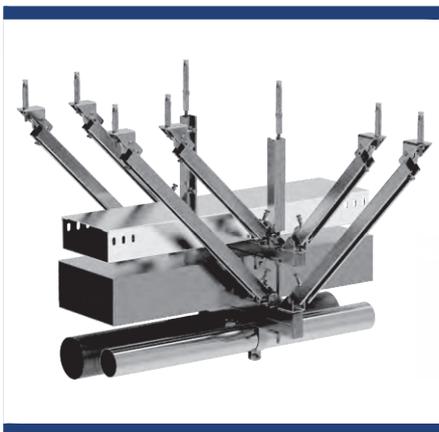
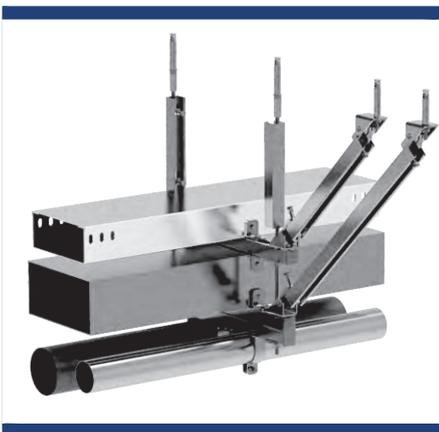


| Part No. | d | d1 (mm) | s (mm) |
|------------|-----|---------|--------|
| IC30107006 | M6 | 10.7 | 1.6 |
| IC30107008 | M8 | 13.6 | 2 |
| IC30107010 | M10 | 17 | 2.2 |
| IC30107012 | M12 | 21 | 2.5 |
| IC30107014 | M14 | 23.8 | 2.5 |
| IC30107016 | M16 | 26.9 | 3 |

TECHNICAL DRAWINGS

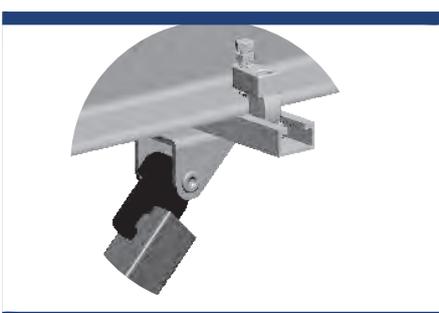
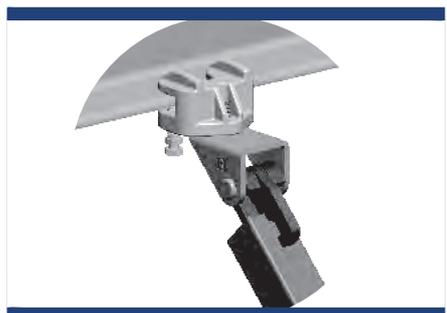
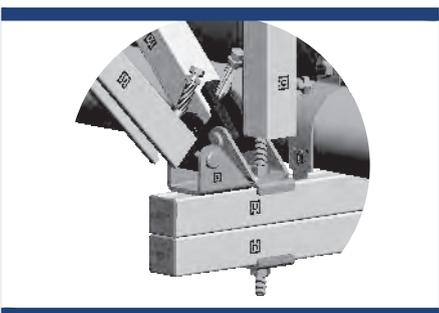
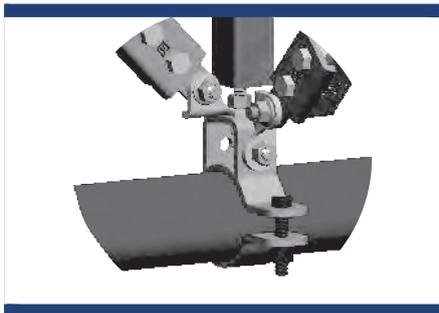
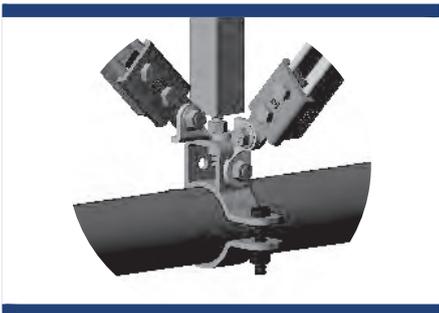
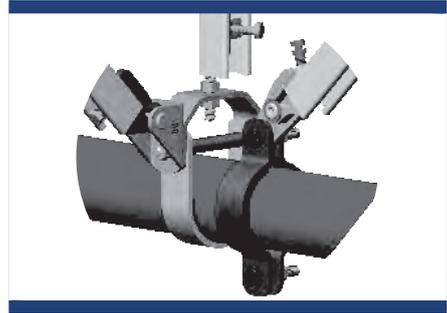
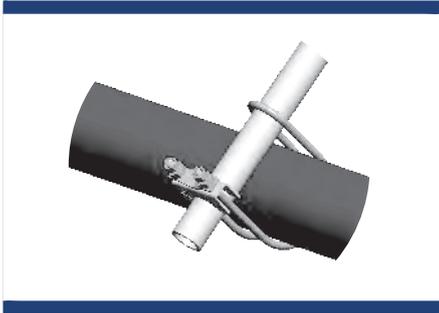
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TECHNICAL DRAWINGS

G





— TECHNICAL — SPECIFICATION

Section H

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ARMOR-X 20

With armor x 20, steel is coated using an immersion and centrifugal process, applying a high-performance metallic coating made from zinc and aluminum micro-flakes in a chrome-based binder solution. The coating forms a dense, uniform thin-layer protective barrier, ensuring complete surface coverage, even on irregular shapes. Unlike conventional galvanizing methods, armor x 20 carries no risk of hydrogen embrittlement, making it safe for high-carbon and stress-bearing steels such as spring steel. It delivers strong durability for outdoor and highly corrosive environments, including industrial and coastal conditions, while maintaining protection at temperatures up to 250 °C. armor x 20 coated products demonstrate very high corrosion resistance, effortlessly withstanding a neutral salt spray test of at least 1000+ hours* (ISO 9227), significantly outperforming hot dip galvanised coatings, which typically resist 300–600 hours under the same standard.



1000+ hrs salt spray (ISO 9227)
no hydrogen embrittlement
outdoor + industrial safe

HOT DIPPED GALVANIZED

Also known as 'thermal galvanizing', 'full bath galvanizing' or 'centrifugal galvanizing'. The products to be treated are cleaned, de-greased and pickled and subsequently put into an immersion bath of liquid zinc. The immersion bath has a temperature of 550 °C. In this process an alloy of zinc/iron develops on the surface and is then covered by a layer of pure zinc.

The thickness of the zinc layer varies between 50 and 150 μm (0,050 - 0,150 mm). In consequence the process is less suitable for products with screw thread. Hot Dip galvanized products are suitable for inside as well as outside use and for damp and light-corrosive environments.

| Coating | Thickness | Corrosion Test |
|--------------|-----------|----------------|
| Armor X 20 | 8-12 μm | 1000+ hrs |
| Hot Dip | 50-150 μm | 300-600 hrs |
| Zinc Plating | 1-20 μm | 72-120 hrs |

ZINC PLATING

The products to be treated are cleaned, degreased and pickled. The protective coating is then applied in an electrolytic process. The thickness of the layer of zinc is between 1 and 20 μm (0,001 - 0,020 mm) and is determined by the current intensity and the duration of the galvanizing process. After the galvanizing process the products are passivated to extend the protection period.

PRODUCTS ACCORDING TO INTERNATIONAL STANDARDS

H

| MSS SP-58 & T MSS SP-69 | | fm approved/ ul listed | BS 3974 | Surface Treatment | |
|-------------------------|--------|---------------------------|-----------|-------------------|----------------------|
| Type 1 | DMC932 | | DMC166 | PG | ASTM A653 G90 |
| Type 1 | DMC992 | DMC722.. | DMC177 | EG | B633, BS1706 FE/ZNI2 |
| Type 1 | DMC722 | DMC722..L | DMRSI | HDG | ASTM A123/A A123M |
| Type 4 | DMC212 | DMC717.. | | BUP | ISO 9227 |
| Type 4 | DMC211 | DMC717..L | | | |
| Type 8 | DMC711 | | BS 476 | | |
| Type 10 | DMC717 | UI Listed | DMC288... | | |
| Type 24 | DMC744 | DMC744 | | | |
| Type 26 | DMC155 | DMC711 | | | |
| Type 39A/B | DMIPPS | DMC217 | | | |
| Type 41 | DMC288 | 6003 | | | |
| Type 42 | DMC113 | | | | |
| Type 43 | DMC177 | | | | |
| Type 44 | DMC277 | | | | |

INFORMATION STEEL PIPES

| D (mm) | Size (inch) | DN | S (mm) | Empty (kg/m) | Filled (kg/m) |
|--------|-------------|-----|--------|--------------|---------------|
| 10.2 | 1/8" | 6 | 2.00 | 0.41 | 0.44 |
| 13.5 | 1/4" | 8 | 2.35 | 0.65 | 0.71 |
| 17.2 | 3/8" | 10 | 2.35 | 0.85 | 0.97 |
| 21.3 | 1/2" | 15 | 2.65 | 1.22 | 1.42 |
| 26.9 | 3/4" | 20 | 2.65 | 1.58 | 1.95 |
| 33.7 | 1" | 26 | 3.25 | 2.44 | 3.02 |
| 42.4 | 1 1/4" | 32 | 3.25 | 5.10 | 7.31 |
| 48.3 | 1 1/2" | 40 | 3.65 | 3.61 | 4.98 |
| 60.3 | 2" | 50 | 3.65 | 5.10 | 7.31 |
| 76.1 | 2 1/2" | 65 | 3.65 | 6.51 | 10.23 |
| 88.9 | 3" | 80 | 4.05 | 8.47 | 13.59 |
| 114.3 | 4" | 100 | 4.50 | 12.10 | 20.80 |
| 139.7 | 5" | 125 | 4.85 | 16.20 | 29.47 |
| 165.1 | 6" | 150 | 4.85 | 19.20 | 38.16 |

Note: DIN EN 10255 - 11/2004

Material: Steel 332, according to DIN 17100

INFORMATION STEEL PIPES

H

| D (mm) | Size (inch) | DN | S (mm) | Empty (kg/m) | Filled (kg/m) |
|--------|-------------|-----|--------|--------------|---------------|
| 10.2 | 1/8" | 6 | 1.6 | 0.34 | 0.38 |
| 13.5 | 1/4" | 8 | 1.8 | 0.52 | 0.60 |
| 17.2 | 3/8" | 10 | 1.8 | 0.68 | 0.83 |
| 21.3 | 1/2" | 15 | 2.0 | 0.96 | 1.19 |
| 26.9 | 3/4" | 20 | 2.3 | 1.40 | 1.79 |
| 33.7 | 1" | 25 | 2.6 | 1.99 | 2.63 |
| 42.4 | 1 1/4" | 32 | 2.6 | 2.55 | 3.64 |
| 48.3 | 1 1/2" | 40 | 2.6 | 2.93 | 4.39 |
| 60.3 | 2" | 50 | 2.9 | 4.11 | 6.44 |
| 76.1 | 2 1/2" | 65 | 2.9 | 5.24 | 9.12 |
| 88.9 | 3" | 80 | 3.2 | 6.76 | 12.10 |
| 114.3 | 4" | 100 | 3.6 | 9.83 | 18.83 |
| 139.7 | 5" | 125 | 4.0 | 13.40 | 27.02 |
| 168.3 | 6" | 150 | 4.5 | 18.20 | 38.37 |
| 219.1 | 8" | 200 | 6.3 | 33.10 | 67.75 |
| 273.0 | 10" | 250 | 6.3 | 41.40 | 96.11 |
| 323.9 | 12" | 300 | 7.1 | 55.50 | 131.57 |
| 355.6 | 14" | 350 | 8.0 | 68.60 | 160.95 |
| 406.4 | 16" | 400 | 8.8 | 86.30 | 207.05 |
| 457.0 | 18" | 450 | 10.0 | 110.00 | 262.67 |
| 508.0 | 20" | 500 | 11.0 | 135.00 | 323.79 |
| 610.0 | 24" | 600 | 12.5 | 184.00 | 457.26 |

Note: DIN EN 10220 – 03/2003

Material: Steel 37

INFORMATION STEEL PIPES / CAST IRON PIPE

H

| Outside Diameter (mm) | Size (inch) | DN | S (mm) | Empty (kg/m) | Water Filled (kg/m) |
|-----------------------|-------------|-----|--------|--------------|---------------------|
| 10.2 | 1/8" | 6 | 1.6 | 0.34 | 0.38 |
| 13.5 | 1/4" | 8 | 1.8 | 0.52 | 0.60 |
| 17.2 | 3/8" | 10 | 1.8 | 0.68 | 0.83 |
| 21.3 | 1/2" | 15 | 2.0 | 0.95 | 1.19 |
| 26.9 | 3/4" | 20 | 2.0 | 1.23 | 1.64 |
| 33.7 | 1" | 25 | 2.0 | 1.56 | 2.25 |
| 42.4 | 1 1/4" | 32 | 2.3 | 2.27 | 3.39 |
| 48.3 | 1 1/2" | 40 | 2.3 | 2.61 | 4.11 |
| 60.3 | 2" | 50 | 2.3 | 3.29 | 5.73 |
| 76.1 | 2 1/2" | 65 | 2.6 | 4.71 | 8.66 |
| 88.9 | 3" | 80 | 3.2 | 6.15 | 11.57 |
| 114.3 | 4" | 100 | 3.6 | 8.77 | 17.91 |
| 139.7 | 5" | 125 | 3.6 | 12.10 | 25.88 |
| 168.3 | 6" | 150 | 4.0 | 16.20 | 36.57 |
| 219.1 | 8" | 200 | 4.5 | 23.80 | 58.78 |
| 273.0 | 10" | 250 | 5.0 | 33.00 | 88.13 |
| 323.9 | 12" | 300 | 5.6 | 44.00 | 121.84 |
| 355.6 | 14" | 350 | 5.6 | 48.30 | 142.06 |
| 406.4 | 16" | 400 | 6.3 | 62.20 | 184.80 |
| 457.0 | 18" | 450 | 6.3 | 70.00 | 226.01 |
| 508.0 | 20" | 500 | 6.3 | 77.90 | 270.56 |

Note: DIN EN 10220 – 03/2003

Material: Steel 37-2

| D (mm) | Tol. (mm) | DN | S (mm) | Empty (kg/m) | Filled (kg/m) |
|--------|------------|-----|--------|--------------|---------------|
| 48 | | 40 | 3.0 | 3.10 | 4.48 |
| 58 | | 50 | 3.5 | 4.30 | 6.34 |
| 78 | +2.0/-1.0 | 70 | 3.5 | 5.90 | 9.86 |
| 83 | | 75 | 3.5 | 6.30 | 10.83 |
| 110 | | 100 | 3.5 | 8.40 | 16.73 |
| 135 | | 125 | 4.0 | 11.80 | 24.46 |
| 160 | +2.0/-2.0 | 150 | 4.0 | 14.10 | 32.24 |
| 20 | +2.0/-3.0 | 200 | 5.0 | 23.10 | 54.50 |
| 274 | +2.51/-2.5 | 250 | 5.5 | 33.30 | 87.60 |
| 326 | | 300 | 6.0 | 43.20 | 120.60 |
| 429 | +2.0/-3.0 | 400 | 8.1 | 77.65 | 211.49 |
| 532 | +2.0/-3.5 | 500 | 9.0 | 10.72 | 314.71 |
| 635 | 2.0/-4.0 | 600 | 9.9 | 140.95 | 438.20 |

Note: DIN 19522 – 01/2000

Material: Cast iron according to ISO 185 (EN 587)

INFORMATION STEEL PIPES

H

Schedule 40 Steel Pipe Data

| Pipe Size (in) | O.D (mm) | Wall Thickness (mm) | Empty (kg/m) | Filled Water (kg/m) |
|----------------|----------|---------------------|--------------|---------------------|
| 3/8" | 17.1 | 2.3 | 0.9 | 1.0 |
| 1/2" | 21.3 | 2.7 | 1.2 | 1.3 |
| 3/4" | 26.7 | 1.9 | 1.7 | 2.0 |
| 1" | 33.4 | 3.4 | 2.5 | 3.0 |
| 1 1/4" | 42.1 | 3.5 | 3.4 | 4.3 |
| 1 1/2" | 48.2 | 3.7 | 4.0 | 5.5 |
| 2" | 60.3 | 3.9 | 5.4 | 7.5 |
| 2 1/2" | 73.0 | 5.1 | 8.6 | 11.7 |
| 3" | 88.9 | 5.5 | 11.2 | 15.9 |
| 3 1/2" | 101.6 | 5.7 | 13.5 | 19.8 |
| 4" | 114.3 | 6.0 | 16.0 | 24.2 |
| 5" | 141.3 | 6.5 | 21.7 | 34.6 |
| 6" | 168.3 | 7.1 | 28.2 | 46.8 |
| 8" | 219.1 | 8.2 | 42.5 | 74.8 |
| 10" | 273.0 | 9.3 | 60.2 | 110.9 |
| 12" | 323.9 | 10.2 | 75.8 | 151.8 |
| 14" | 355.6 | 11.1 | 83.7 | 180.7 |
| 16" | 406.4 | 12.7 | 123.5 | 237.3 |
| 18" | 457.2 | 14.3 | 156.2 | 300.8 |
| 20" | 508.0 | 15.1 | 183.0 | 361.8 |
| 24" | 609.6 | 17.4 | 254.5 | 513.7 |

Schedule 80 Steel Pipe Data

| Nominal Size (in) | Pipe O.D (in) | O.D (mm) | Wall Thickness (mm) | Weight (Lbs/Ft) | Weight (kg/m) | Filled Water (Lbs/Ft) | Filled Water (kg/m) |
|-------------------|---------------|----------|---------------------|-----------------|---------------|-----------------------|---------------------|
| 3/8" | .675 | 17.1 | 3.2 | 0.7 | 1.1 | 0.8 | 1.2 |
| 1/2" | .840 | 21.5 | 3.7 | 1.1 | 1.6 | 1.2 | 1.7 |
| 3/4" | 1.050 | 26.7 | 4.5 | 2.2 | 2.2 | 3.0 | 3.6 |
| 1" | 1.315 | 33.4 | 3.9 | 1.5 | 3.2 | 1.7 | 3.6 |
| 1 1/4" | 1.660 | 42.1 | 5.5 | 5.8 | 11.4 | 3.5 | 5.2 |
| 1 1/2" | 1.900 | 48.2 | 8.5 | 15.0 | 30.9 | 4.3 | 6.5 |
| 2" | 2.375 | 60.3 | 9.5 | 20.8 | 42.5 | 6.3 | 9.4 |
| 2 1/2" | 2.875 | 73.0 | 10.5 | 10.0 | 93.9 | 6.3 | 9.4 |
| 3" | 3.500 | 88.9 | 14.0 | 28.6 | 93.9 | 6.3 | 9.4 |
| 3 1/2" | 4.000 | 101.6 | 16.0 | 10.8 | 42.6 | 6.3 | 9.4 |
| 4" | 4.500 | 114.3 | 12.3 | 15.0 | 59.3 | 10.0 | 29.7 |
| 5" | 5.565 | 141.3 | 9.5 | 20.8 | 93.9 | 28.7 | 42.6 |
| 6" | 6.625 | 168.3 | 11.0 | 28.6 | 93.9 | 39.9 | 59.3 |
| 8" | 8.625 | 219.1 | 12.7 | 64.5 | 93.9 | 63.1 | 93.9 |
| 10" | 10.750 | 273.0 | 15.0 | 95.8 | 93.9 | 95.5 | 142.1 |
| 12" | 12.750 | 323.8 | 17.4 | 131.8 | 93.9 | 132.6 | 197.3 |
| 14" | 14.000 | 355.6 | 19.0 | 159.2 | 235.4 | 158.2 | 235.4 |
| 16" | 16.000 | 406.4 | 21.4 | 203.9 | 235.4 | 206.7 | 306.6 |
| 18" | 18.000 | 457.2 | 23.8 | 254.5 | 386.2 | 259.5 | 386.2 |
| 20" | 20.000 | 508.0 | 26.2 | 311.0 | 473.8 | 318.4 | 473.8 |
| 24" | 24.000 | 609.6 | 30.9 | 442.0 | 677.4 | 455.2 | 677.4 |

Dimension taken from ASTM A53-86
 1 cubic meter of water weighs 999.99 kg.
 1 gallon (US) weighs 8.335 lbs.
 1 litre weighs .999 kg.

INFORMATION PVC PIPES



Schedule 40 PVC PLASTIC PIPE DATA

| Nominal Size (in) | O.D (in) | O.D (mm) | Wall (in) | Wall (mm) | Weight (Lbs/Ft) | Weight (kg/m) | Filled (Lbs/Ft) | WaterFilled (kg/m) |
|-------------------|----------|----------|-----------|-----------|-----------------|---------------|-----------------|--------------------|
| 1/8" | 0.405 | 10.3 | 0.068 | 1.7 | 0.04 | 0.06 | 0.06 | 0.09 |
| 1/4" | 0.540 | 13.7 | 0.088 | 2.2 | 0.07 | 0.11 | 0.18 | 0.26 |
| 3/8" | 0.675 | 17.1 | 0.091 | 2.3 | 0.10 | 0.14 | 0.25 | 0.40 |
| 1/2" | 0.840 | 21.3 | 0.109 | 2.7 | 0.15 | 0.20 | 0.40 | 0.60 |
| 3/4" | 1.050 | 26.7 | 0.113 | 2.9 | 0.20 | 0.30 | 0.70 | 0.90 |
| 1" | 1.315 | 33.4 | 0.133 | 3.4 | 0.30 | 0.40 | 1.00 | 1.50 |
| 1 1/4" | 1.660 | 42.1 | 0.140 | 3.5 | 0.40 | 0.60 | 1.40 | 2.00 |
| 1 1/2" | 1.900 | 48.2 | 0.145 | 3.7 | 0.50 | 0.70 | 2.00 | 3.00 |
| 2" | 2.375 | 60.3 | 0.154 | 3.9 | 0.60 | 0.90 | 3.10 | 4.51 |
| 2 1/2" | 2.875 | 73.0 | 0.203 | 5.1 | 1.00 | 1.50 | 5.90 | 8.70 |
| 3" | 3.500 | 88.9 | 0.216 | 5.5 | 1.30 | 2.00 | 7.40 | 11.00 |
| 3 1/2" | 4.000 | 101.6 | 0.226 | 5.7 | 1.60 | 2.40 | 11.40 | 17.00 |
| 4" | 4.500 | 114.3 | 0.237 | 6.0 | 1.90 | 2.80 | 15.40 | 23.00 |
| 5" | 5.565 | 141.3 | 0.258 | 6.5 | 2.80 | 4.10 | 26.90 | 39.90 |
| 6" | 6.625 | 168.3 | 0.280 | 7.1 | 3.30 | 4.90 | 41.60 | 61.80 |
| 8" | 8.625 | 219.1 | 0.322 | 8.2 | 5.30 | 7.80 | 58.50 | 87.00 |
| 10" | 10.750 | 273.0 | 0.366 | 9.3 | 7.50 | 11.10 | 70.00 | 226.01 |
| 12" | 12.750 | 323.8 | 0.406 | 10.3 | 10.00 | 14.90 | 77.90 | 270.56 |

Schedule 80 PVC PLASTIC PIPE DATA

| Nominal Size (in) | O.D (mm) | Wall Thickness (mm) | Weight (kg/m) | Filled Water (kg/m) |
|-------------------|----------|---------------------|---------------|---------------------|
| 1/8" | 10.3 | 2.4 | 0.08 | 0.10 |
| 1/4" | 13.7 | 3.0 | 0.14 | 0.18 |
| 3/8" | 17.1 | 3.2 | 0.19 | 0.28 |
| 1/2" | 21.3 | 3.7 | 0.20 | 0.30 |
| 3/4" | 26.7 | 3.9 | 0.40 | 0.70 |
| 1" | 33.4 | 4.5 | 0.50 | 0.90 |
| 1 1/4" | 42.1 | 4.8 | 0.80 | 1.60 |
| 1 1/2" | 48.2 | 5.1 | 0.90 | 2.00 |
| 2" | 60.3 | 5.5 | 1.30 | 3.20 |
| 2 1/2" | 73.0 | 7.0 | 2.00 | 4.70 |
| 3" | 88.9 | 8.1 | 3.20 | 6.90 |
| 3 1/2" | 101.6 | 8.5 | 3.90 | 11.30 |
| 4" | 114.3 | 9.5 | 6.10 | 24.30 |
| 5" | 141.3 | 11.0 | 7.50 | 41.30 |
| 6" | 168.3 | 12.7 | 11.90 | 76.60 |
| 8" | 219.1 | 15.0 | 17.70 | 89.80 |
| 10" | 273.0 | 17.4 | 24.30 | 89.80 |
| 12" | 323.8 | 11.1 | 3.20 | 8.90 |

1 cubic ft. of water weighs 62.41 kg.

1 cubic meter of water weighs 999.97 kg.

1 gallon (US) weighs 8.335 lbs.

1 litre weighs .999 kg.

INFORMATION COPPER PIPES



Copper Tubing (Type L) Data

| Nominal Size (in) | Nominal Size (mm) | Pipe O.D (in) | Pipe O.D (mm) | Wall Thickness (in) | Wall Thickness (mm) | Weight of Pipe (Lbs/Ft) | Weight of Pipe (kg/m) | Filled Water (Lbs/Ft) | Filled Water (kg/m) |
|-------------------|-------------------|---------------|---------------|---------------------|---------------------|-------------------------|-----------------------|-----------------------|---------------------|
| 1/4" | 6 | 0.375 | 9.5 | 0.030 | 0.7 | 0.12 | 0.17 | 0.15 | 0.21 |
| 3/8" | 10 | 0.500 | 12.7 | 0.035 | 0.9 | 0.20 | 0.30 | 0.26 | 0.30 |
| 1/2" | 15 | 0.625 | 15.9 | 0.040 | 1.0 | 0.28 | 0.41 | 0.38 | 0.56 |
| 5/8" | 17 | 0.750 | 19.0 | 0.041 | 1.0 | 0.38 | 0.53 | 0.51 | 0.75 |
| 3/4" | 20 | 0.875 | 22.2 | 0.045 | 1.1 | 0.45 | 0.67 | 0.66 | 0.98 |
| 1" | 25 | 1.125 | 28.6 | 0.050 | 1.3 | 0.65 | 0.97 | 1.01 | 2.11 |
| 1 1/4" | 32 | 1.375 | 34.9 | 0.055 | 1.5 | 1.14 | 1.69 | 1.91 | 2.83 |
| 1 1/2" | 40 | 1.625 | 41.3 | 0.060 | 1.8 | 1.75 | 2.60 | 3.09 | 4.59 |
| 2" | 50 | 2.125 | 54.0 | 0.070 | 2.0 | 2.48 | 3.69 | 4.54 | 6.75 |
| 2 1/2" | 65 | 2.625 | 66.7 | 0.080 | 2.3 | 3.33 | 4.95 | 6.28 | 9.34 |
| 3" | 80 | 3.125 | 79.4 | 0.090 | 2.5 | 4.29 | 6.38 | 8.28 | 12.32 |
| 3 1/2" | 90 | 3.625 | 92.1 | 0.100 | 2.8 | 5.38 | 8.00 | 10.57 | 15.72 |
| 4" | 100 | 4.125 | 104.8 | 0.110 | 3.2 | 7.61 | 11.32 | 15.69 | 23.34 |
| 5" | 125 | 6.125 | 130.2 | 0.125 | 1.7 | 1.50 | 1.60 | 21.81 | 32.46 |
| 6" | 150 | 8.125 | 155.6 | 0.140 | 4.0 | 10.20 | 15.18 | 21.81 | 58.89 |
| 8" | 200 | 8.125 | 206.4 | 0.200 | 5.1 | 19.29 | 28.70 | 39.49 | 58.89 |

Dimension Taken from ASTM B88-83

Copper Tubing (Type K) Data

| Nominal Size (in) | Nominal Size (mm) | Pipe O.D (in) | Pipe O.D (mm) | Wall Thickness (in) | Wall Thickness (mm) | Weight (Lbs/Ft) | Weight (kg/m) | Filled (Lbs/Ft) | Filled (kg/m) |
|-------------------|-------------------|---------------|---------------|---------------------|---------------------|-----------------|---------------|-----------------|---------------|
| 1/8" | 3 | 0.405 | 10.3 | 0.095 | 2.4 | 0.05 | 0.08 | 0.06 | 0.10 |
| 1/4" | 6 | 0.540 | 13.7 | 0.119 | 3.0 | 0.09 | 0.14 | 0.16 | 0.18 |
| 3/8" | 10 | 0.675 | 17.1 | 0.126 | 3.2 | 0.10 | 0.19 | 0.20 | 0.28 |
| 1/2" | 15 | 0.840 | 21.3 | 0.147 | 3.7 | 0.10 | 0.20 | 0.40 | 0.63 |
| 5/8" | 17 | 0.750 | 19.0 | 0.049 | 1.2 | 0.42 | 0.62 | 0.56 | 0.83 |
| 3/4" | 20 | 0.875 | 22.2 | 0.065 | 1.6 | 0.64 | 0.95 | 0.83 | 1.23 |
| 1" | 25 | 1.125 | 28.6 | 0.065 | 1.8 | 0.84 | 1.25 | 1.57 | 2.34 |
| 1 1/4" | 32 | 1.375 | 34.9 | 0.072 | 1.8 | 1.36 | 2.02 | 2.10 | 3.12 |
| 2" | 50 | 2.125 | 54.0 | 0.083 | 2.1 | 2.06 | 3.06 | 3.37 | 5.01 |
| 2 1/2" | 65 | 2.625 | 66.7 | 0.095 | 2.4 | 2.02 | 4.34 | 4.92 | 7.31 |
| 3" | 80 | 3.125 | 79.4 | 0.109 | 2.8 | 4.00 | 5.95 | 6.96 | 10.35 |
| 3 1/2" | 90 | 3.625 | 92.1 | 0.120 | 3.0 | 5.12 | 7.72 | 9.02 | 13.42 |
| 4" | 100 | 4.125 | 104.8 | 0.134 | 3.4 | 6.51 | 9.69 | 11.57 | 17.22 |
| 5" | 125 | 5.125 | 130.2 | 0.160 | 4.0 | 9.67 | 14.39 | 17.67 | 26.28 |
| 6" | 150 | 6.125 | 155.6 | 0.192 | 4.0 | 13.87 | 20.60 | 25.07 | 37.27 |
| 8" | 200 | 8.125 | 206.4 | 0.271 | 6.9 | 25.90 | 38.50 | 45.40 | 67.52 |

Dimension Taken from ASTM B88-83

- 1 cubic ft. of water weighs 62.41 kg.
- 1 cubic meter of water weighs 999.97 kg.
- 1 gallon (US) weighs 8.335 lbs.
- 1 litre weighs .999 kg.

INFORMATION COPPER PIPE / PE PIPE

H

| D (mm) | Size (inch) | DN | S (mm) | Empty (kg/m) | Filled (kg/m) |
|--------|-------------|----|--------|--------------|---------------|
| 10.0 | - | 10 | 1.0 | 0.25 | 0.30 |
| 12.0 | - | 10 | 1.0 | 0.31 | 0.39 |
| 15.0 | - | 10 | 1.0 | 0.39 | 0.52 |
| 18.0 | - | 15 | 1.0 | 0.48 | 0.68 |
| 22.0 | - | 20 | 1.5 | 0.59 | 0.90 |
| 28.0 | - | 25 | 1.5 | 1.11 | 1.60 |
| 35.0 | - | 32 | 2.0 | 1.41 | 2.21 |
| 42.0 | - | 40 | 2.0 | 1.70 | 2.89 |
| 54.0 | - | 50 | 2.0 | 2.91 | 4.87 |
| 64.0 | - | 50 | 2.0 | 3.47 | 6.29 |
| 76.1 | - | 65 | 2.0 | 4.14 | 8.22 |
| 88.9 | - | 80 | 2.0 | 4.86 | 10.52 |
| 108.0 | - | 80 | 2.5 | 7.37 | 15.70 |
| 133.0 | - | - | 3.0 | 10.90 | 23.57 |
| 159.0 | - | - | 3.0 | 13.09 | 31.46 |
| 219.0 | - | - | 3.0 | 18.12 | 53.73 |
| 267.0 | - | - | 3.0 | 22.10 | 75.60 |

Note:

DIN EN 1057 - 05/1996 (ex. DIN 1786)

Material:

Copper according to EN 1412

| Nominal Size (mm) | Size (inch) | DN | S (mm) | Empty (kg/m) | Filled (kg/m) |
|-------------------|-------------|----|--------|--------------|---------------|
| 50 | - | - | 1.8 | 0.29 | 1.98 |
| 63 | - | - | 1.0 | 0.40 | 3.13 |
| 75 | - | - | 2.3 | 0.55 | 4.44 |
| 90 | - | - | 2.8 | 0.79 | 6.38 |
| 110 | - | - | 3.4 | 1.17 | 9.53 |
| 125 | - | - | 19 | 1.61 | 12.29 |
| 140 | - | - | 4.3 | 1.88 | 15.43 |
| 160 | - | - | 4.9 | 2.42 | 19.13 |
| 180 | - | - | 55 | 3.07 | 25.49 |
| 200 | - | - | 6.2 | 3.84 | 31.47 |
| 225 | - | - | 6.9 | 4.77 | 39.79 |
| 250 | - | - | 7.7 | 5.92 | 49.12 |
| 280 | - | - | 8.6 | 7.40 | 61.64 |
| 315 | - | - | 9.7 | 9.37 | 77.96 |

Note: DIN EN 8074 - 08/1999

Series: 16

SDR: 33

Material: HDPE

INFORMATION PE PIPE / PVC PIPE

H

| D (mm) | Size (inch) | DN | S (mm) | Empty (kg/m) | Filled (kg/m) |
|--------|-------------|----|--------|--------------|---------------|
| 10.0 | - | 10 | 1.0 | 0.25 | 0.30 |
| 12.0 | - | 10 | 1.0 | 0.31 | 0.39 |
| 15.0 | - | 10 | 1.0 | 0.39 | 0.52 |
| 18.0 | - | 15 | 1.0 | 0.48 | 0.68 |
| 22.0 | - | 20 | 1.5 | 0.59 | 0.90 |
| 28.0 | - | 25 | 1.5 | 1.11 | 1.60 |
| 35.0 | - | 32 | 2.0 | 1.41 | 2.21 |
| 42.0 | - | 40 | 2.0 | 1.70 | 2.89 |
| 54.0 | - | 50 | 2.0 | 2.91 | 4.87 |
| 64.0 | - | 50 | 2.0 | 3.47 | 6.29 |
| 76.1 | - | 65 | 2.0 | 4.14 | 8.22 |
| 88.9 | - | 80 | 2.0 | 4.86 | 10.52 |
| 108.0 | - | 80 | 2.5 | 7.37 | 15.70 |
| 133.0 | - | - | 3.0 | 10.90 | 23.57 |
| 159.0 | - | - | 3.0 | 13.09 | 31.46 |
| 219.0 | - | - | 3.0 | 18.12 | 53.73 |
| 267.0 | - | - | 3.0 | 22.10 | 75.60 |

Note:

DIN EN 1057 - 05/1996 (ex. DIN 1786)

Material:

Copper according to EN 1412

| Nominal Size (mm) | Size (inch) | DN | S (mm) | Empty (kg/m) | Filled (kg/m) |
|-------------------|-------------|----|--------|--------------|---------------|
| 50 | - | - | 1.8 | 0.29 | 1.98 |
| 63 | - | - | 1.0 | 0.40 | 3.13 |
| 75 | - | - | 2.3 | 0.55 | 4.44 |
| 90 | - | - | 2.8 | 0.79 | 6.38 |
| 110 | - | - | 3.4 | 1.17 | 9.53 |
| 125 | - | - | 19 | 1.61 | 12.29 |
| 140 | - | - | 4.3 | 1.88 | 15.43 |
| 160 | - | - | 4.9 | 2.42 | 19.13 |
| 180 | - | - | 55 | 3.07 | 25.49 |
| 200 | - | - | 6.2 | 3.84 | 31.47 |
| 225 | - | - | 6.9 | 4.77 | 39.79 |
| 250 | - | - | 7.7 | 5.92 | 49.12 |
| 280 | - | - | 8.6 | 7.40 | 61.64 |
| 315 | - | - | 9.7 | 9.37 | 77.96 |

Note: DIN EN 8074 - 08/1999

Series: 16

SDR: 33

Material: HDPE

INFORMATION PVC PIPE / PPR PIPE

H

| D (mm) | D (") | S (DN) | S (mm) | empty (kg/m) | filled (kg/m) |
|--------|-------|--------|--------|--------------|---------------|
| 25 | - | - | 1.5 | 0.17 | 0.55 |
| 32 | - | - | 1.8 | 0.26 | 0.90 |
| 40 | - | - | 1.9 | 0.35 | 1.38 |
| 50 | - | - | 2.4 | 0.55 | 2.16 |
| 63 | - | - | 3.0 | 0.85 | 3.40 |
| 76 | - | - | 3.6 | 1.22 | 4.83 |
| 90 | - | - | 4.3 | 1.75 | 6.95 |
| 110 | - | - | 5.3 | 2.61 | 10.37 |
| 125 | - | - | 6.0 | 3.34 | 13.36 |
| 140 | - | - | 6.7 | 4.18 | 16.76 |
| 160 | - | - | 7.7 | 5.47 | 21.88 |
| 180 | - | - | 8.6 | 6.88 | 27.69 |
| 200 | - | - | 9.6 | 8.61 | 34.17 |
| 225 | - | - | 10.8 | 13.20 | 43.28 |
| 250 | - | - | 11.9 | 16.60 | 53.37 |
| 280 | - | - | 13.4 | 20.90 | 66.93 |
| 315 | - | - | 15.0 | 25.47 | 84.66 |

Note: DIN 8062 - 11/1998

Series: 4

SDR: 21

Material: PVC-U (unplasticized)

| D (mm) | D (") | S (DN) | S (mm) | empty (kg/m) | filled (kg/m) |
|--------|-------|--------|--------|--------------|---------------|
| 20 | - | 20 | 4.0 | 0.17 | 0.28 |
| 25 | - | 25 | 4.9 | 0.27 | 0.45 |
| 32 | - | 32 | 6.2 | 0.43 | 0.73 |
| 40 | - | 40 | 7.6 | 0.67 | 1.15 |
| 50 | - | 50 | 9.4 | 1.04 | 1.80 |
| 63 | - | 63 | 11.8 | 1.65 | 2.87 |
| 75 | - | 75 | 14.0 | 2.34 | 4.07 |
| 90 | - | 90 | 16.7 | 3.36 | 5.88 |
| 110 | - | 110 | 20.4 | 5.01 | 8.77 |
| 125 | - | 125 | 23.1 | 6.5 | 11.38 |
| 140 | - | 140 | 25.9 | 8.12 | 14.23 |
| 160 | - | 160 | 29.5 | 10.6 | 18.61 |

Note: DIN 8077 / 8078

Working Pressure: PN20

SDR: 6

Material: PP-R

DESIGN LOAD & SUPPORT SPAN – PIPE STANDS



DESIGN LOAD CRITERIA

Pipe stands are designed in accordance with NFPA 13 (2016), Section 9.2.6.5.1(1).

Design Load = 5 × Weight of water-filled pipe + 250 lb (115 kg)

This design ensures adequate safety against shock, vibration, and dynamic loading conditions.

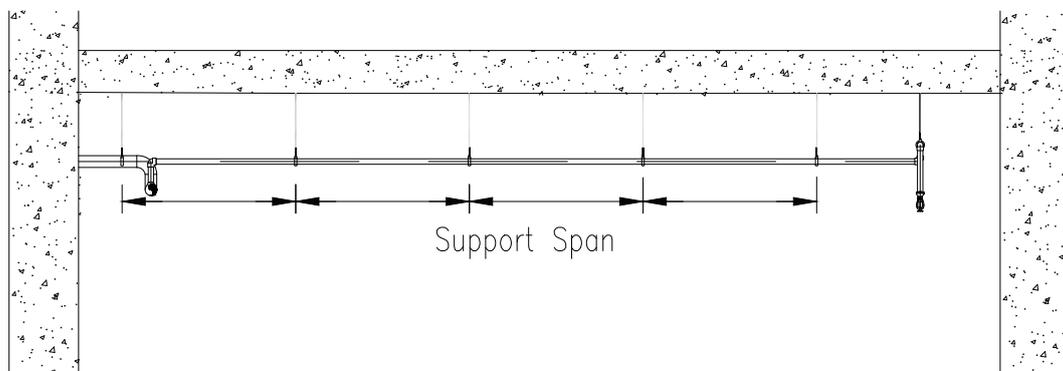


MAXIMUM SUPPORT SPAN (TYPICAL NFPA GUIDELINES)

| Pipe Size | Maximum Span Between Supports |
|-----------------------|-------------------------------|
| ≤ 2 in. (50 mm) | 2.7 m (9 ft) |
| 2½ – 3 in. (65–80 mm) | 3.7 m (12 ft) |
| 4 in. (100 mm) | 4.6 m (15 ft) |
| 5 in. (125 mm) | 5.5 m (18 ft) |
| 6 in. (150 mm) | 6.1 m (20 ft) |
| 8 in. (200 mm) | 7.3 m (24 ft) |

NOTE:

Maximum support spans are in accordance with NFPA 13, Section 9.2.6. Actual spacing may vary depending on pipe type, insulation, and loading conditions. Final support spacing must be verified by the system designer.



SEISMIC DESIGN COMPLIANCE

Seismic restraint systems are designed in accordance with NFPA 13 – Standard for the Installation of Sprinkler Systems, 2019 / 2022 Editions, Chapter 18 (Seismic Protection).

Seismic force determination for sprinkler piping and components is based on NFPA 13 requirements, which reference ASCE 7 for nonstructural component seismic loads.



APPLICABLE PIPE SIZES

Seismic restraints are required for sprinkler piping 2½ in. (65 mm) and larger Piping up to 2 in. (50 mm) may follow simplified support spacing where permitted by the standard.

TYPES OF SEISMIC RESTRAINTS

Transverse (Lateral) Seismic Restraint

- Resists seismic forces perpendicular to pipe axis
- Controls side to side movement

Maximum spacing: up to 24 m

Longitudinal Seismic Restraint

- Resists seismic forces parallel to pipe axis
- Controls axial movement

Maximum spacing: up to 12 m

Small Diameter Piping ≤ 2 in.

Maximum support / restraint span: up to 8 m where permitted by NFPA 13.

Four Way Seismic Bracing

Provides combined transverse and longitudinal restraint at a single location.

SEISMIC LOAD CALCULATION – EXAMPLE (REFERENCE ONLY)

H

GIVEN PARAMETERS

Weight of water filled pipe & fittings: $W_p = 500 \text{ kg}$

Seismic coefficient: $C_p = 0.5$

C_p depends on seismic design category, component importance, and installation location.

HORIZONTAL SEISMIC LOAD

$$F_p = C_p \times W_p$$

$$F_p = 0.5 \times 500 = 250 \text{ kg}$$

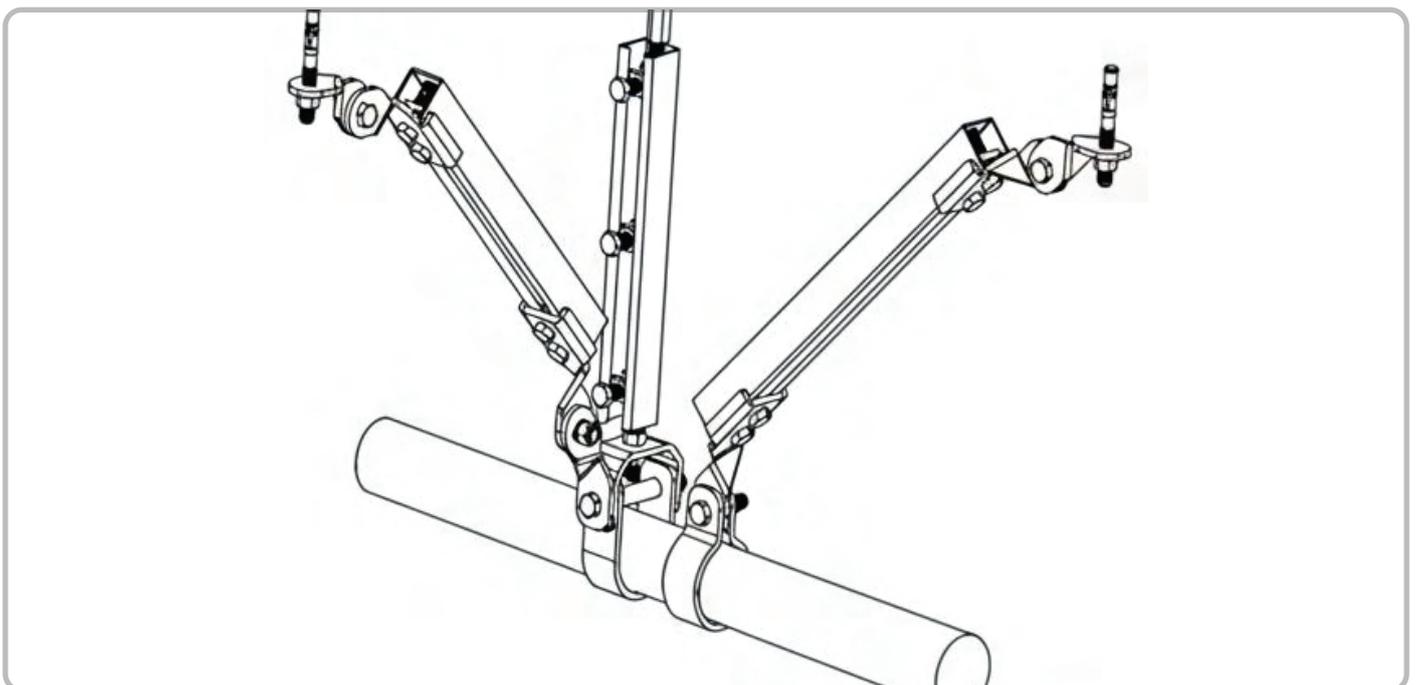
VERTICAL SEISMIC LOAD

$$F_v = 0.2 \times F_p$$

$$F_v = 0.2 \times 250 = 50 \text{ kg}$$

| Pipe Size | Restraint Type | Maximum Span |
|---|---------------------------------------|-----------------------|
| $\leq 2 \text{ in. (50 mm)}$ | Support / restraint (where permitted) | Up to 8 m |
| $\geq 2\frac{1}{2} \text{ in. (65 mm)}$ | Longitudinal seismic restraint | Up to 12 m |
| $\geq 2\frac{1}{2} \text{ in. (65 mm)}$ | Transverse seismic restraint | Up to 24 m |
| $\geq 2\frac{1}{2} \text{ in. (65 mm)}$ | Four - way seismic bracing | As required by layout |

SEISMIC RESTRAINT ILLUSTRATION



ASHRAE STANDARDS FOR HANGERS AND SUPPORTS

H

While ASHRAE is often cited as the primary authority for HVAC design, it is important to note that ASHRAE does not typically publish a single code for the physical manufacturing of hangers. Instead, ASHRAE integrates several industry recognized standards into its Handbooks to create a unified design methodology.

1. PRIMARY HANDBOOK REFERENCES

| Standard | Details |
|----------------------------------|---|
| HVAC Systems & Equipment - Ch.46 | Design criteria for piping supports + expansion/contraction |
| HVAC Applications - Ch.49 | Noise and vibration control requirements |
| ASHRAE Standard 171 | Testing of seismic and wind restraints |

2. REFERENCED INDUSTRY STANDARDS

| | |
|------------|--|
| MSS SP-58 | Defines hanger types (Clevis, Riser Clamp) |
| ASME B31.9 | Minimum safety factors for HVAC supports |

ASCE 7 – Used with ASHRAE guidelines to calculate seismic and wind loads.

3. REGULATORY COMPLIANCE REQUIREMENTS

- 1 Thermal movement and anchoring
- 2 The "Vapor Barrier" Integrity Clause
- 3 Static Deflection for Vibration Hangers
- 4 Correct support spacing
- 5 Load certification compliance
- 6 Material strength verification

All installations must comply with local codes and approved engineering design.



CERTIFICATIONS

Section I

www.incofix.com



CERTIFICATE OF COMPLIANCE

Certificate Number E365032
Report Reference E365032-20150429
Issue Date 2020-APRIL-17

Issued to: HANGZHOU PROSTAR ENTERPRISES LTD.
 Unit 904
 Huayuan Development Building
 No.639 Jianguo North Road
 Hangzhou
 Zhejiang 310004 CHINA

This certificate confirms that representative samples of CONDUIT AND CABLE HARDWARE
 Refer to Addendum page for Models

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: Hardware for the Support of Conduit, Tubing, and Cable
 UL2239, CSA C22.2 No. 18.4-15

Additional Information: See the UL Online Certifications Directory at
<https://iq.ulprospector.com> for additional information.

This *Certificate of Compliance* does not provide authorization to apply the UL Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Director North American Certification Program
 UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/about/locations/>





Certificate of Compliance

This certificate is issued for the following:

Pipe Hanger Components for Automatic Sprinkler Systems

Model S Series Swivel Band Hangers
 Sizes 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 3, 4, 5 and 6 inch NPS

and

Model HDCH Series Clevis Hangers
 Sizes 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 3, 4 and 5 inch NPS

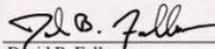
Prepared for:
 Hangzhou Prostar Enterprises Ltd.
 Unit 904, Huayuan Development Building
 No. 639 Jian Guo North Road
 Hangzhou, China 310004

FM Approvals Class: 1951, 1952, 1953 (December 2016)

Approval Identification: 0003063029 Approval Granted: April 16, 2019

To verify the availability of the Approved product, please refer to www.approvalguide.com

Said Approval is subject to satisfactory field performance, continuing Surveillance Audits, and strict conformity to the constructions as shown in the Approval Guide, an online resource of FM Approvals.



David B. Fuller
 VP, Manager - Fire Protection
 FM Approvals
 1151 Boston-Providence Turnpike
 Norwood, MA 02062 USA



CERTIFICATE OF COMPLIANCE

Certificate Number E365032
Report Reference E365032-20150430
Issue Date 2020-APRIL-17

Issued to: HANGZHOU PROSTAR ENTERPRISES LTD.
 Unit 904
 Huayuan Development Building
 No.639 Jianguo North Road
 Hangzhou
 Zhejiang 310004 CHINA

This certificate confirms that representative samples of CONDUIT AND CABLE HARDWARE
 Refer to addendum page for models

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 2239 - Support of Conduit, Tubing, and Cable
 CSA-C22.2 No.18.4-15 - Hardware for the support of conduit, tubing, and cable

Additional Information: See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information.

This *Certificate of Compliance* does not provide authorization to apply the UL Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

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CERTIFICATE OF COMPLIANCE

Certificate Number E365032
Report Reference E365032-20150430
Issue Date 2020-APRIL-17

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

MODELS

Clevis Hanger, Cat. Nos. HDCH-050, HDCH-075, HDCH-100, HDCH-125, HDCH-150, HDCH-200, HDCH-250, HDCH-300, HDCH-350, HDCH-400, HDCH-500, HDCH-600.

Riser Clamp, Cat. Nos. RC-050, RC-075, RC-100, RC-125, RC-150, RC-200, RC-250, RC-300, RC-350, RC-400, RC-500, RC-600.

B. Mahrenholz
 Bruce Mahrenholz, Director North American Certification Program
 UL LLC



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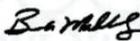
CERTIFICATE OF COMPLIANCE

Certificate Number E365032
Report Reference E365032-20150429
Issue Date 2020-APRIL-17

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

MODELS

Swivel Band Hanger, Cat. Nos. S-050, S-075, S-100, S-125, S-150, S-200, S-250, S-300, S-350, S-400, S-500, S-600.


 Bruce Mahrenholz, Director North American Certification Program
 UL LLC

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Warehouse and Sales Office



Sales Office

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