

RILLION

STRUTFAST

STRUTFAST BUILDING MATERIALS TRADING L.L.C CARALOGUE

OMAN | UAE | EUROPE

**MODULAR SUPPORT
SYSTEM FOR ELECTRICAL,
MECHANICAL, HVAC &
PLUMBING**

RILLION

IN PARTNERSHIP WITH

STRUTFAST

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ABOUT STRUTFAST

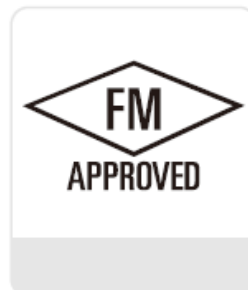
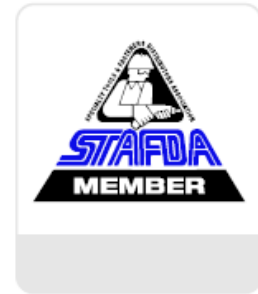
STRUTFAST HAS BEEN THE LEADING SUPPLIER OF METAL FRAMING SYSTEMS FOR OVER 15 YEARS. WE SPECIALIZE IN CHANNEL FRAMING, CABLE MANAGEMENT AND PREFABRICATED FRAMING AND OUR PRODUCTS AND SERVICES ARE SYNONYMOUS WITH ENGINEERING EXCELLENCE AND RELIABILITY WORLDWIDE.

STRUTFAST ADAPTS QUICKLY AND EASILY TO MARKET DEMANDS AND REQUIREMENTS. THE MANUFACTURING PLANT IS OPERATING WITH TOP OF THE LINE AUTOMATED MACHINERY TO ENSURE RELIABLE LEAD TIMES AND QUALITY. WE ALSO HAVE AN IN-HOUSE HOT-DIP GALVANIZATION FACILITY THAT PERMITS US TO HAVE FULL CONTROL ON THE QUALITY OF FINISHED PRODUCTS.

QUALITY AT **STRUTFAST** IS UNCOMPROMISED; THE MANUFACTURING PLANT HAS BEEN ABLE TO ACQUIRE ISO 9001:2015 (QUALITY MANAGEMENT SYSTEM); ISO14001:2015 (ENVIRONMENTAL MANAGEMENT CERTIFICATION) AND OHSAS 18001:2007 (OCCUPATIONAL, HEALTH AND SAFETY MANAGEMENT CERTIFICATION).



MANUFACTURER CERTIFICATES



MATERIAL & FINISHES

MATERIALS

CHANNELS ARE COLD ROLLED FROM 1.5 MM AND 2.5 MM STEEL STRIP AND ARE AVAILABLE IN:

PO – PLAIN OILED
 PG – PRE-GALVANIZED
 H – HOT-DIP GALVANIZED
 S6 – STAINLESS STEEL MARINE GRADE SS316
 S4 – STAINLESS STEEL MARINE GRADE SS304
 Z – ELECTRO ZINC PLATED
 DC – DURA COAT
 ZM – ZINC ALUMINUM MAGNESIUM

MILD STEEL CHANNELS ARE ROLLED USING MATERIAL FORMED FROM BS EN 10025 WITH GUARANTEED YIELD STRENGTH OF 280 N/MM² AND MINIMUM ULTIMATE TENSILE STRENGTH OF 370 N/MM².

STAINLESS STEEL CHANNELS ARE ROLLED USING MATERIAL FORMED FROM BS EN 10088-2 GRADE 1.4404 (GRADE 316).

STRUTFAST FITTINGS ARE PRESSED FROM HOT ROLLED, PICKLED, AND OILED MILD STEEL PLATE OR STRIP STEEL MAINLY FROM GRADE S315MC OR GRADE S275 MILD STEEL. STAINLESS STEEL FITTINGS ARE ALSO AVAILABLE, MANUFACTURED TO EN10088-2 GRADE 1.4404 (GRADE 316).

FINISHES

PRE-GALVANIZED (PG)

OUR MOST POPULAR FINISH, GENERALLY USED FOR INTERNAL APPLICATIONS. PRE-GALVANIZED TO Z275 – BS EN 10346 1.0244 STANDARDS AND G90 (FOR U.S). SUPPLIED WITH A ZINC COATING TO A NOMINAL COAT OF 20 MM.

PLAIN OIL (P)

PLAIN OIL TO BS EN 10025 STANDARDS. PICKLED & OILED WITH A MINIMUM YIELD 280 N/MM². EXCELLENT FOR WELDING AND FINISHING ON SITE. IDEAL BASE FOR POWDER COATING AND OTHER SURFACE FINISHES.

HOT-DIP GALVANIZATION (H)

PROCESSED IN ACCORDANCE WITH BS EN ISO 1461:2009 / ASTM A123 / ASTM A153 / ISO 1461.BS 729 / DIN 50976. IT IS AN EXCELLENT SOLUTION FOR OUTDOOR ENVIRONMENTS AND HAS A UNIQUE METALLURGICAL STRUCTURE WHICH GIVES OUTSTANDING RESISTANCE TO MECHANICAL DAMAGE IN TRANSPORT, ERECTION AND SERVICE. THE MINIMUM AVERAGE COATING IS AS FOLLOWS:

- COLD ROLLED FROM 1.5 MM AND 2.5 MM STEEL – 55 MICRONS
- FITTINGS SPUN GALVANIZED – 45 MICRONS.

MATERIAL & FINISHES

ZINC PLATED (Z)

AN ALTERNATIVE TO A PRE-GALVANIZED PRODUCT AND GENERALLY USED FOR INTERNAL APPLICATIONS AND IN STERILE ENVIRONMENTS. ELECTROPLATED TO EN 12329. CHANNEL NUTS, BOLTS & FASTENERS ARE ZINC ELECTROPLATED WITH 8-10 MICRONS.

STAINLESS STEEL (S6)

MANUFACTURED TO 1.4404 (316L) STANDARDS. EXCELLENT FOR MARINE APPLICATIONS, HIGHLY CORROSIVE AND EXTREME ENVIRONMENTAL CONDITIONS. CLEANED (PICKLED AND PASSIVATED) BY APPLYING A PICKLING PROCESS TO STAINLESS STEEL RESULTS IN A CLEAN PRODUCT AND IT ALSO REMOVES ANY HEAT DISCOLORATION THAT HAS OCCURRED IN THE WELDING PROCESS.

POWDER COATED (PC)

POWDER COATING IS A THICK COATING WITH GOOD ANTI-CORROSION PROPERTIES. IT GIVES A GENERALLY GOOD CHEMICAL RESISTANCE TO MOST ACIDIC AND ALKALINE MATERIALS. IT IS NOT SUITABLE FOR USE WITH MOST SOLVENT-BASED CONTAMINANTS. PVC COATING IS SUITABLE FOR APPLICATION OVER HOT-DIP GALVANIZED STEEL. A VARIETY OF POWDER COATING FINISHES ARE AVAILABLE. OFTEN USED TO PROVIDE A PLEASING AESTHETIC FINISH SUCH AS SHOPS AND RETAIL ENVIRONMENTS.

DURA COAT (DC)

- DURASILVER: COST-EFFECTIVE BULK PROCESS CONVERSION COATING. TYPICAL SALT SPRAY HOURS ARE 900 HOURS PER TRIVALENT CHROME WITH SEALERS. THIS COATING COMES IN SILVER COLOUR. COMPLIES TO STANDARD B633.
- DURAGOLD: SIMILAR PROPERTIES OF DURASILVER WITH GOLDEN COLOUR.

ZINC ALUMINIUM MAGNESIUM (ZM)

ZM IS A METALLIC COATING WHICH OFFERS EXCELLENT CORROSION PROTECTION SUITABLE UP TO C4 ENVIRONMENTS. THE COATING CONSISTS OF ZINC, ALUMINIUM (3.5%) AND MAGNESIUM (3%) WHICH OFFERS FAR BETTER ANTI CORROSION RESISTANCE WITH THINNER COATINGS THAN TRADITIONAL HOT DIPPED GALVANIZED COATINGS.

ENVIRONMENTAL AWARENESS

STRUTFAST IS COMMITTED TO MANAGING ENVIRONMENTAL IMPACT AS AN INTEGRAL PART OF OUR OPERATIONS. IT IS OUR POLICY TO ASSURE THE ENVIRONMENTAL INTEGRITY OF OUR PROCESSES AND FACILITIES AT ALL TIMES. WE WILL EMPLOY MANAGEMENT SYSTEMS AND PROCEDURES SPECIFICALLY DESIGNED TO MINIMIZE THE USE OF HAZARDOUS MATERIALS, ENERGY AND OTHER NATURAL RESOURCES, TO MINIMIZE THE GENERATION OF WASTE AND TO ENABLE RECYCLING AND REUSE OF MATERIALS.

WE WILL CONTINUALLY SEEK OPPORTUNITIES TO IMPROVE OUR ENVIRONMENTAL PERFORMANCE BY ESTABLISHING OBJECTIVES AND TARGETS, MEASURING PROGRESS AND REPORTING OUR RESULTS. WE WILL ALSO PROMOTE PARTICIPATION AND COMMUNICATE OUR COMMITMENT TO RESPONSIBLE ENVIRONMENTAL MANAGEMENT BY PROMOTING ENVIRONMENTAL RESPONSIBILITY AMONG OUR EMPLOYEES BY PROVIDING THEM THE NECESSARY TRAINING AND SUPPORT TO ENABLE THEM TO IMPLEMENT THIS POLICY.

MATERIAL & FINISHES



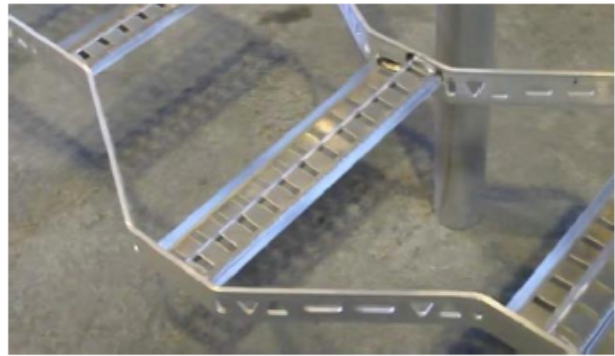
STAINLESS STEEL (SS)

STAINLESS STEEL FORMS A PROTECTIVE CHROMIUM OXIDE LAYER WHEN THE ALLOY IS EXPOSED TO AIR, HINDERING DIRECT CONTACT BETWEEN THE ALLOY AND THE CORROSIVE ENVIRONMENT. IF A STAINLESS STEEL COMPONENT IS DAMAGED, A NEW CHROMIUM OXIDE LAYER FORMS, EFFECTIVELY RE - SEALING THE DAMAGED AREA. STRUTFAST'S STAINLESS STEEL COMPONENTS ARE USUALLY MADE IN AISI 316L (EN1.4404) QUALITY.



HOT DIP GALVANIZED (H)

HOT DIP GALVANIZED STEEL IS COATED BY A PROTECTIVE LAYER OF ZINC. THE ZINC LAYER OFFERS GOOD PROTECTION AGAINST MOST CORROSIVE ENVIRONMENTS. THIS IS DUE TO ITS LOW ELECTRODE POTENTIAL, WHICH ALLOWS IT TO ACT AS A SACRIFICIAL ANODE. THE ZINC THEREFORE CORRODES SLOWLY INSTEAD OF THE MATERIAL IT PROTECTS. STRUTFAST'S HDG STEEL COMPONENTS ARE MADE IN ACCORDANCE WITH EUROPEAN STANDARD EN ISO 1461. IN ACCORDANCE WITH THE STANDARD, COMPONENTS IN MATERIAL THICKNESS FROM 1.5 - 3.0 MM RECEIVE A MINIMUM 45 MM COATING. EN ISO 12944 - 2 OFFERS GUIDANCE THAT A ZINC COATING OF 45 MM DELIVERS CORROSION PROTECTION IN THE ORDER OF 21 - 64 YEARS IN AN ENVIRONMENT WITH CORROSION CLASS C3. FOR LESS CORROSIVE ENVIRONMENTS USING PRE GALVANIZED (PG) COMPONENTS IS OFTEN A PREFERABLE ALTERNATIVE.



ALUMINIUM (AL)

ALUMINIUM IS TYPICALLY USED IN APPLICATIONS WHERE MINIMAL WEIGHT IS KEY. WHEN EXPOSED TO WATER IT FORMS A COHERENT SURFACE OXIDE PREVENTING THE ALUMINIUM TO CORRODE. STRUTFAST ALUMINIUM COMPONENTS ARE MADE IN GRADES 5754 AND 6060.



ZINC ALUMINIUM MAGNESIUM (ZM)

ZM IS A METALLIC COATING WHICH OFFERS EXCELLENT CORROSION PROTECTION SUITABLE UP TO C4 ENVIRONMENTS. THE COATING CONSISTS OF ZINC, ALUMINIUM (3.5%) AND MAGNESIUM (3%) WHICH OFFERS FAR BETTER ANTI CORROSION RESISTANCE WITH THINNER COATINGS THAN TRADITIONAL HOT DIPPED GALVANIZED COATINGS. ZM COATED STEEL IS PRE - GALVANIZED TO 25 MM/PER SIDE WHICH SIMPLIFIES LOGISTICS AND IMPROVES CO 2 FOOTPRINT, AND LIKE HDG, BENEFITS FROM "SELF - HEALING" FOR CUTS AND HOLES MADE POST COATING. IN ADDITION, ZM COATED PRODUCTS ARE BOTH LIGHTER AND MORE COST EFFECTIVE THAN SIMILAR PRODUCTS IN HDG FINISH. ZM IS INCLUDED IN EUROPEAN STANDARD EN 10346.

MATERIAL & FINISHES



FRP RESIN GUIDE

POLYESTER

RESIN CODE: (STANDARD ART. NO.) N/A

POLYESTER IS THE MOST WIDELY USED RESIN SYSTEM. IT OFFERS GOOD WEATHERING PROPERTIES WITH RESISTANCE TO ULTRAVIOLET LIGHT AND HAS GOOD CORROSION RESISTANCE. OUR POLYESTER RESIN HAS BEEN SPECIALLY FORMULATED TO MEET CERTAIN FIRE AND SMOKE STANDARDS AND IS CLASSIFIED AS A "CLASS 1" RESIN IN ACCORDANCE WITH BS476 P7 AND ASTM E84. OUR STANDARD POLYESTER RESIN PRODUCT RANGE IS UL APPROVED.



COMPOSITE MATERIALS (FRP)

STRUTFAST OFFERS A RANGE OF RESINS TO MATCH THE NEEDS OF OUR CUSTOMERS. FROM OUR STANDARD POLYESTER RESIN TO OUR HIGH PERFORMANCE OLSTAR RESIN, WE CAN MEET YOUR CHEMICAL, FIRE, SMOKE AND TOXICITY REQUIREMENTS. TO SPECIFY THE DESIRED RESIN, THE STANDARD FRP ARTICLE NUMBERS ARE SUFFIXED WITH THE RESIN CODE AT THE END AS SHOWN BELOW.

GRP/FRP: NOTE, THE PULTRUDED PROCESS OF MANUFACTURE MEANS THERE IS NO DIFFERENCE IN GRP/FRP MATERIAL TYPES.



STANDARD PRODUCT CONSTRUCTION (FRP)

STANDARD FRP CABLE LADDERS ARE FABRICATED BY JOINING PULTRUDED CABLE LADDER SIDE PROFILE TO PULTRUDED RUNGS THAT ARE PUNCHED. STANDARD FRP CABLE LADDER AND FRP CABLE TRAY FITTINGS ARE FABRICATED USING SS ANGLE PLATES AND SS BOLT SETS UNLESS STATED OTHERWISE. IN CASE OUR STANDARD CONSTRUCTION DOES NOT MEET YOUR PROJECT REQUIREMENTS PLEASE CONTACT US FOR ASSISTANCE.

MATERIAL & FINISHES

CHOOSE THE RIGHT MATERIAL/COATING

STRUTFAST OFFERS A RANGE OF MATERIALS/COATINGS TO COVER YOUR NEEDS. WE RECOMMEND THE FOLLOWING DEPENDING ON YOUR OPERATING ENVIRONMENT. THE FINAL DECISION REGARDING THE CHOSEN MATERIAL AND PRODUCTS IS THE RESPONSIBILITY OF THE USER AND/OR SPECIFIER.

| Material | Corrosion resistance | Corrosion Classes | | | | | |
|--------------------------------|----------------------|-------------------|-------|-------|-------|-------|-------|
| | | C1 | C2 | C3 | C4 | C5-I | C5-M |
| Stainless Steel (SS) | Very High | Blue | Blue | Blue | Green | Green | Green |
| Fibre Reinforced Polymer (FRP) | Very High | Blue | Blue | Blue | Green | Green | Green |
| Aluminium (AL) | Very High | Blue | Blue | Blue | Green | Green | Green |
| Dura coat (DC) | Very High | Blue | Blue | Blue | Green | Green | Green |
| Zinc Aluminium Magnesium (ZM) | High | Blue | Blue | Green | Green | | |
| Hot Dip Galvanized (HDG) | High | Blue | Blue | Green | | | |
| Pre-Galvanized (PG) | Medium | Green | Green | | | | |

- Recommended: Meets corrosion requirement.
- Can be used: Exceeds corrosion requirement.

| Material | Abbreviation | Material Quality | Surface Treatment |
|-----------------|--------------|---|--|
| Stainless Steel | SS | AISI 316L (EN1.4404) | Pickling and Passivation (Welded products) |
| Carbon Steel | HDG, ZM | Different steel qualities depend on material thickness. | Hot Dip Zinc Galvanised (HDG), Pre-galvanised Zinc/Alu./Magnesium (ZM) |
| Aluminium | AL | 5754, 6060 | |
| Composite | FRP/GRP | See resin guide. | |

CORROSION

CORROSION IS A GENERAL TERM USED TO DESCRIBE THE CONVERSION OF REFINED METALS TO THEIR MORE STABLE OXIDES. THE PROCESS DAMAGES METAL COMPONENTS AND OFTEN LEADS TO REDUCED PERFORMANCE AND A LOWER AESTHETIC VALUE. TWO MAIN SOURCES OF CORROSION ON STEEL COMPONENTS ARE GALVANIC CORROSION AND ENVIRONMENTAL CORROSION.

GALVANIC CORROSION MAY OCCUR IF THERE IS CONTACT BETWEEN METALS WITH DIFFERENT ELECTRODE POTENTIALS IN A HUMID CLIMATE. WATER ACTS AS AN ELECTROLYTE AND THE METALS AS ELECTRODES, SIMILAR TO A GALVANIC CELL. TYPICALLY, THE METAL WITH THE LOWEST ELECTRODE POTENTIAL IS CORRODED. ENVIRONMENTAL CORROSION REACHES A SIGNIFICANT MAGNITUDE MOSTLY IN HUMID ENVIRONMENTS OR IN BURIED/UNDERWATER INSTALLATIONS. MANY FACTORS AFFECT ENVIRONMENTAL CORROSION, INCLUDING, BUT NOT LIMITED TO, WATER CHEMISTRY, HUMIDITY AND DEGREE OF CONDENSATION.

MATERIALS & CORROSION

ALL MATERIALS SUFFER FROM CORROSION DAMAGE WHEN EXPOSED TO CERTAIN ENVIRONMENTS. THE RATE OF CORROSION AND THE IMPACT OF ENVIRONMENTAL CONDITIONS VARIES GREATLY DEPENDING ON THE MATERIAL IN QUESTION. BOTH ZINC COATED MATERIALS AND STAINLESS STEEL DISPLAYS A HIGH RESISTANCE AGAINST CORROSION IN MOST ENVIRONMENTS. STRUTFAST HAVE A LONG AND SUCCESSFUL TRACK RECORD IN SOME OF THE WORLD HARSHTEST ENVIRONMENTS.



PICKLING & PASSIVATION

ALL OF STRUTFAST WELDED PRODUCTS ARE "PICKLED AND PASSIVATED". THIS IS A PROCESS TO REMOVE THE HEAT TINT THAT IS CREATED DURING WELDING. THE HEAT TINT IS PRODUCED BY AN INCREASE IN THE DENSITY OF CHROMIUM AT THE SURFACE AND A CORRESPONDING DECREASE IN THE AREA BELOW. AS A RESULT, THE AFFECTED REGION IS VULNERABLE TO CORROSION AND LESS AESTHETICALLY PLEASING. BOTH PROBLEMS ARE EFFICIENTLY SOLVED THROUGH "PICKLING AND PASSIVATION".

THIS ALLOWS A NEW PROTECTIVE CHROMIUM OXIDE LAYER TO BE ESTABLISHED. STRUTFAST HAS A LONG TRACK RECORD FROM THE NORTH SEA USING THESE METHODS WITH GREAT SUCCESS.

SAFETY & HSE





OUR PRODUCTS ARE CAREFULLY DESIGNED AND MANUFACTURED USING HIGH TECH, MODERN MACHINE PARKS. THIS COMBINATION GIVES A PRODUCT THAT TYPICALLY HAS NO SHARP EDGES PRIOR TO CUTTING.

WHEN PRODUCTS ARE CUT ON-SITE FOR INSTALLATION, THE CUT EDGES WILL IN MANY CASES BE SHARP, THEREFORE PRECAUTIONS MUST BE TAKEN TO AVOID ACCIDENTS AND INJURIES. AS COMMON PRACTICE, WE RECOMMEND USING KEVLAR GLOVES WHEN HANDLING AND INSTALLING PRODUCTS IN ADDITION TO EYE, HEAD AND FOOTWEAR PROTECTIVE EQUIPMENT. LOCAL AND NATIONAL HSE VARIANCES MUST ALSO BE OBSERVED. WHERE PRODUCTS ARE BEING CUT ON SITE, WE RECOMMEND USING A BAND SAW WITH AN APPROPRIATE BLADE SUITABLE FOR THE MATERIAL THICKNESS TO REDUCE SWarf AND BURR. ANGLE GRINDERS WITH FINE CUTTING WHEELS CAN BE USED (1 MM). HOWEVER, CARE SHOULD BE TAKEN TO PROTECT SURROUNDING MATERIALS, FROM GRINDING SPARKS AND NOT TO OVERHEAT THE MATERIALS. AS BEST PRACTICE, ANY BURR SHOULD BE REMOVED.

PREFFERED TOOLS/SAFETY

UNLESS APPROPRIATE SAFETY MEASURES ARE TAKEN, CUTTING OR GRINDING METAL CAN BE A HAZARDOUS ACTIVITY, WITH A SIGNIFICANT RISK OF PERSONAL INJURY OR DAMAGE TO THE INSTALLATION. WHEN AVAILABLE, A BAND SAW IS USUALLY THE MOST APPROPRIATE TOOL FOR CUTTING THIN METAL PRODUCTS SUCH AS CABLE LADDERS AND TRAYS. USING BAND SAWS FOR THIS PURPOSE RESULTS IN MINIMAL SPLATTER, AND ITS STABILITY FACILITATES SAFE USE.

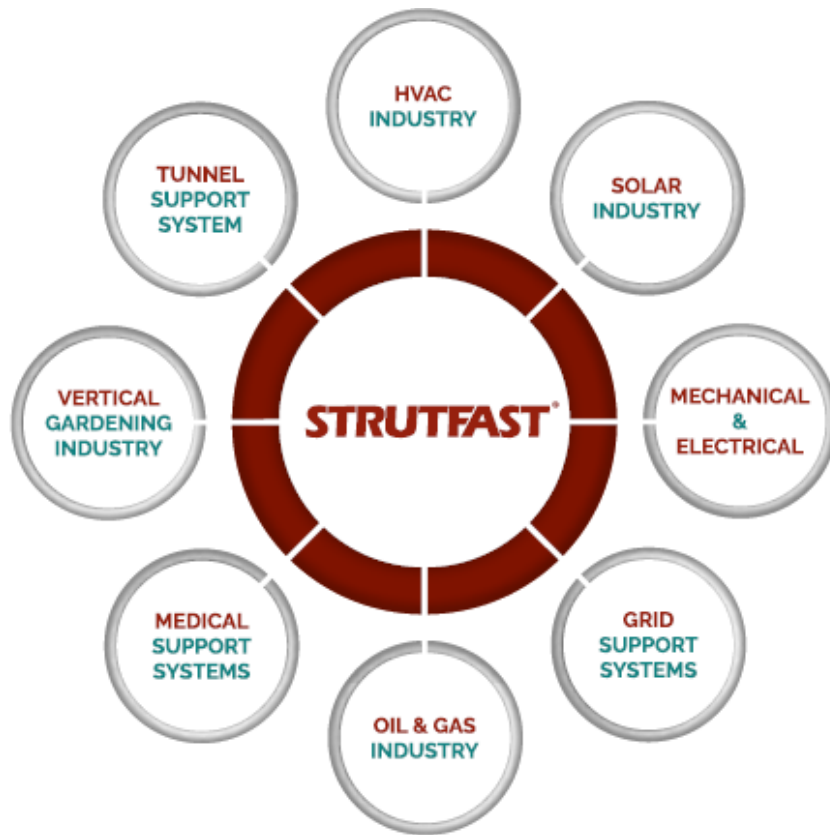
Matrix - Selecting The Right Tool

| Tools | Steel | | FRP | |
|--|---------|---------------|---------|---------------|
| | Support | Trays/Ladders | Support | Trays/Ladders |
|  Bandsaw | ● | ● | ● | ● |
|  Cordless Circular Saw | ● | ● | ● | ● |
|  Angle Grinder* | ● | ● | ● | ● |
|  Torches | ● | ● | ● | ● |

*Note! Do not mix cutting blades between stainless steel and carbon steel.
 Where band saws are unavailable or impractical, angle grinders may also be used. These offer increased flexibility, but result in more splatter and increased risk of personal injury. Angle grinders are not suitable for FRP.

● = Recommended
 ● = Can be used
 ● = Can not be used

INDUSTRIES WE SERVE



OUR SERVICES



HOW DO OUR PRODUCTS AND SYSTEM MAKES YOU MORE COMPETITIVE?

WE ALWAYS AIM TO MAKE OUR CUSTOMERS MORE COMPETITIVE BY REDUCING THE TOTAL INSTALLED COST. OUR INSTALLATION CONCEPT REDUCES THE TOTAL PRODUCT COST OF A PROJECT BY UP TO 30%. BY REDUCING WEIGHT, INSTALLATION AND ENGINEERING TIME, OPTIMIZING COORDINATION BETWEEN DISCIPLINES AND SIMPLIFYING FUTURE MODIFICATION WORK. WE REDUCE THE AMOUNT OF HOT WORK REQUIRED FOR AN INSTALLATION, WHICH IN TURN ALSO WORKS TO REDUCE THE SAFETY RISKS. THE PROJECT RISKS ARE ALSO REDUCED WHEN ENGINEERING AND CONSTRUCTION ARE DECOUPLED.

WE PARTNER WITH OUR CUSTOMERS THROUGHOUT THE ENTIRE PROJECT CYCLE. OUR INNOVATIVE AND STANDARDIZED SUPPORT SYSTEM IS COMPLEMENTED WITH DIGITAL AND ENGINEERING SERVICES, THEREBY INCREASING PRODUCTIVITY AND REDUCING THE OVERALL COST. OUR ENGINEERS SUPPORTS CLIENTS IN 3D DESIGN, STRUCTURAL ANALYSIS AND PRODUCT DEVELOPMENT.

OUR PRODUCTS CAN BE DELIVERED IN PRE - CUT LENGTHS AS KITS OR PREFABRICATED MODULES THEREBY IMPROVING LOGISTICS AND INCREASING CONSTRUCTION SPEED. TO FURTHER ENSURE SAFE AND TIMELY INSTALLATION WE PROVIDE CONSTRUCTION TEAM TRAINING AND ENGINEERING SUPPORT ON THE SITE. ALL TO ENSURE LOWEST TOTAL SYSTEM COSTS!

OUR SERVICES

WE SUPPORT YOU THROUGH EACH PROJECT STAGE!

OVER THE DECADES WE HAVE PARTNERED WITH OUR CUSTOMERS TO REDUCE PRODUCTS COSTS AND ENSURE THE HIGHEST SAFETY STANDARDS. STRUTFAST HAS A SUCCESSFUL TRACK RECORD OF SUPPORTING CUSTOMERS GLOBALLY WITH A RANGE OF SERVICES BEYOND DELIVERING TOTAL SYSTEM SOLUTIONS.

AS A DEDICATED PARTNER, WE CAN EMBED OURSELVES IN THE PROJECT'S LIFE CYCLE FROM CONCEPT UNTIL MAINTENANCE & MODIFICATION OR DECOMMISSIONING.



AVOID REWORK USING OUR SUPPORT SERVICE

OUR ENGINEERING TEAM HAS SPECIALIZED EXPERTISE ABOUT OUR PRODUCTS AND SYSTEMS AND CAN THEREFORE HELP YOU FIND THE MOST OPTIMAL AND COST-EFFICIENT SOLUTIONS FOR YOUR PROJECT.

TO TAKE FULL ADVANTAGE OF OUR DESIGN SERVICES, WE EMPHASIZE EARLY PROJECT ENGAGEMENT, BUT STRUTFAST IS ALSO EQUIPPED TO PROVIDE RAPID AND FOCUSED SUPPORT TO RUNNING PROJECTS.

BY TAKING ADVANTAGE OF OUR DESIGNERS' KNOWLEDGE OF THE STRUTFAST PRODUCTS AND SOLUTIONS, YOU CAN BE CONFIDENT THAT YOU WILL GET AN ASSEMBLY THAT IS FIT FOR PURPOSE. A MAJOR ADVANTAGE IS THAT OUR DESIGNERS HAVE DIFFERENT FIELDS OF EXPERTISE, WHICH IS UTILIZED TO PROVIDE THE BEST POSSIBLE INDUSTRY SPECIFIC SUPPORT. THIS WAY WE CAN MAKE ENGINEERING MORE EFFECTIVE AND AVOID REWORK.

IF YOUR APPLICATION REQUIRES A CUSTOMIZED SOLUTION, THEN WE CAN EASILY DRAW AND PRODUCE A SPECIAL PRODUCT. MEMBERS FROM OUR DESIGN TEAMS ARE AVAILABLE FOR ASSIGNMENTS IN ALL TIME ZONES AND CAN SUPPORT EITHER THROUGH DIGITAL COMMUNICATION, ON PROJECT PLATFORMS, EMBEDDED IN YOUR DESIGN OFFICES, OR ON SITE TO OFFER IMMEDIATE SUPPORT.

THE MORE COMPLEX THE PROJECT IS, THE MORE YOU HAVE TO GAIN FROM PUTTING US TO WORK FOR YOU! WE ARE READY TO SUPPORT AND PROVIDE SOLUTIONS TO TOUGH DESIGN CHALLENGES.

TAKE ADVANTAGE OF OUR SURVEY SERVICES TO SOLVE CHALLENGES ONSITE

WE CAN ASSIST WITH CONVERSION STUDY, LIFETIME STUDY, WEIGHT STUDY AND ENGINEERING CONCEPT AND RULES. THROUGH THESE STUDIES WE CAN QUANTIFY THE WEIGHT AND COST SAVINGS YOU BENEFIT FROM BY CHOOSING OUR TOTAL SYSTEM SOLUTION COMPARED TO WELDING STRUCTURAL STEEL. SINCE THE SYSTEM SOLUTION INTEGRATES ALL DISCIPLINES INTO ONE IT WORKS TO REDUCE ENGINEERING EFFORTS AND TOTAL ASSET WEIGHT. OUR 3D CATALOGUES ARE AVAILABLE IN ALL THE MAJOR 3D SOFTWARES WITH TYPICAL ASSEMBLIES, MAKING THE TEDIOUS WORK OF 3D ASSEMBLY EASIER AND MORE EFFICIENT. WHILE OUR RECOMMENDATIONS ON BEST PRACTICE DESIGN FURTHER SIMPLIFIES ENGINEERING.

WHEN THE CONSTRUCTION IS UNDERWAY, OUR EXPERIENCED SITE SERVICE PERSONNEL CAN HELP ENSURE THAT STRUTFAST BEST PRACTICE IS FOLLOWED AND HELP FIND SOLUTIONS TO CHALLENGES ON THE SPOT.

OUR TEAMS UNDERSTAND THE WORK PROCESSES AT YARDS AND ARE EXPERIENCED IN COMMUNICATING AND DEMONSTRATING OUR BEST PRACTICE SOLUTIONS TO ENSURE COST AND TIME EFFECTIVE INSTALLATION AND NOT LEAST OF ALL - SAFE INSTALLATION PRACTICES.

OUR SERVICES



SIMPLIFY ONSITE ASSEMBLY WITH OUR CUTTING & KITTING SERVICE

A KIT IS BASICALLY A BILL OF MATERIALS IN A COMPLETE SET, WHERE THE CHANNELS ARE ALREADY CUT TO THE REQUIRED LENGTH. OUR DELIVERIES CAN BE INSTALLED STRAIGHT OUT OF THE BOX, WHICH REDUCES COSTLY AND TIME-CONSUMING WORK ON-SITE; AS WELL AS PREVENTING RETROFITTING WORK. ALL ITEMS ARE LABELLED, AND YOU SIMPLY USE THE INCLUDED DRAWING AS AN INSTRUCTION MANUAL TO ASSEMBLE IT. AS OUR KIT PRODUCTS ARE PRE-CUT, MATERIAL WASTAGE AND MISTAKES WHEN CUTTING ARE ERADICATED. IN ADDITION, BOTH WASTE DISPOSAL, AND INHERENTLY DANGEROUS OPERATIONS SUCH AS CUTTING, AND GRINDING ARE REDUCED ON SITE. THIS DELIVERS YOU WITH POSITIVE HSE (HEALTH, SAFETY AND ENVIRONMENT) RESULTS.

WE HAVE MANY YEARS OF EXPERIENCE DELIVERING KITS IN SOME OF THE MORE DEMANDING PROJECTS, FROM OFFSHORE WIND ENERGY PROJECTS IN NORTHERN EUROPE, TO LARGE ENERGY PROJECTS IN SOUTH EAST ASIA. OUR KNOWLEDGE AND EXPERIENCE FROM DIFFERENT INDUSTRIES MAKES US WELL EQUIPPED TO PROVIDE CUTTING AND KITTING SERVICES TAILORED TO YOUR SPECIFICATIONS.

REDUCE CONSTRUCTION TIME USING OUR PREFABRICATION SERVICE

OUR PREASSEMBLED PACKAGES TAKE THE CUTTING AND KITTING SERVICE TO THE NEXT LEVEL. THE ASSEMBLIES CAN ARRIVE AT YOUR YARD OR STORAGE FACILITY, ACCORDING TO YOUR LOGISTICS PROGRAM, LABELLED TO YOUR SPECIFICATION AND BE READY FOR IMMEDIATE INSTALLATION. THIS WAY OF WORKING DRASTICALLY REDUCES CONSTRUCTION TIME AS EVERY PACKAGE IS MADE-TO-ORDER AND REPEATED "TYPICAL" ASSEMBLIES CAN BE OFFERED IN BULK. ALL ASSEMBLIES ARE CAREFULLY WRAPPED TO PROTECT THE MATERIAL FROM SITE CONTAMINANTS AND DAMAGE DUE TO WELD SPLATTER, PAINT AND OTHER SUCH CONTAMINANTS AT THE SITE.



TESTING

BUILDING SAFETY ACT : 2022 WHAT IS IT AND WHAT DOES IT MEAN FOR THE M&E INDUSTRY ?



For detailed information about building safety act
please scan the given below qr code



TESTING



INTENSIVE PRODUCT TESTING

ON EVERY BATCH THAT IS DISPATCH FROM OUR MANUFACTURING PREMISES, WE CONDUCT INTENSIVE PRODUCT TESTING TO ENSURE THE QUALITY THAT YOU DESERVE FOR YOUR BUCK.

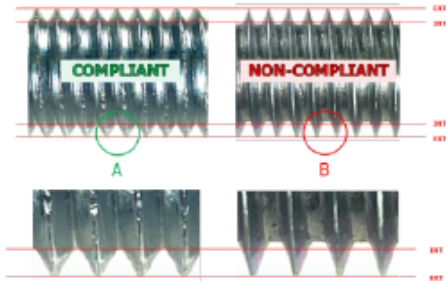
IN HOUSE QUALITY TESTING LAB

WE HAVE A FULLY DEDICATED IN-HOUSE QUALITY TESTING LAB THAT CONTAINS:

- UNIVERSAL TENSILE MACHINE
- VICKER HARDNESS TESTER
- METAL ANALYSER GUN
- CHEMICAL ANALYSIS LAB
- COATING THICKNESS TESTER

THREAD ROD TESTING

Non-compliant rod in close-up.



THREADED ROD IS BY FAR THE MOST POPULAR PRODUCT USED TO SUSPEND M&E AND HVAC SYSTEMS AND AS SUCH HAS BEEN THE OBVIOUS TARGET FOR SOME MANUFACTURERS TO INCREASE PROFITABILITY AND/OR GAIN COMPETITIVENESS. OUR POLICY FOR THE PAST 10 YEARS HAS BEEN TO ENSURE THAT OUR THREADED ROD IS ALWAYS SOURCED FROM MANUFACTURERS THAT PRODUCE THREADED ROD TO THE CORRECT STANDARDS AND WEIGHTS. DESPITE OUR EFFORTS TO HEIGHTEN AWARENESS REGARDING POOR QUALITY THREADED ROD, THERE ARE EVER INCREASING VOLUMES OF UNDER-WEIGHT ROD BEING IMPORTED INTO THE UK FROM LESS QUALITY-CONSCIOUS MANUFACTURERS.

THESE MANUFACTURERS HAVE DEVELOPED A PRODUCTION TECHNIQUE WHEREBY UNDER-SIZED WIRE IS USED IN CONJUNCTION WITH SPECIAL THREAD FORMING EQUIPMENT THAT PRODUCES THINNER, "SHARPER" THREADS WITH A MUCH LOWER THREAD ANGLE. THE RESULTANT ROD HAS THE CORRECT OUTSIDE DIMENSION BUT THE REDUCED CORE DIMENSION COMBINED WITH THE ELONGATED THREADS WILL HEAVILY AFFECT ITS LOAD BEARING PROPERTIES AND WILL NOT ACHIEVE THE DIN ISO 898/1 STATED LOADINGS.

THE CLOSE-UP VIEW OF THE NON-COMPLIANT ROD (CIRCLE B) SHOWS THE FOLLOWING CHARACTERISTICS ;

- THE LOWER THREAD ANGLE WHICH PRODUCES LONGER THINNER THREADS.
- THE FLAT BOTTOM SPACE BETWEEN THE BASE OF EACH THREAD.
- THE REDUCTION OF THE INTERNAL DIAMETER OF THE SOLID CORE OF THE ROD.

Thread Stripping under load.



IT HAS BEEN FOUND THAT THREADED ROD WITH A THREAD ANGLE LESS THAN THE STANDARD 60° WILL ACTUALLY HAVE A LOWER WEIGHT PER METRE.

FOR EXAMPLE, A ROD WITH A THREAD ANGLE OF 50° HAS A WEIGHT WHICH WOULD BE 10% LOWER THAN THE STATED WEIGHT FOR THAT PRODUCT. WE HAVE EVEN SEEN WEIGHTS UP TO 20% LESS. THIS REDUCTION IN WEIGHT SAVES THE MANUFACTURER NOT ONLY ON THE RAW MATERIAL COST, BUT ALSO THE PLATING AND CARRIAGE COSTS TOO, AS THESE ARE ALL DIRECTLY LINKED TO THE PRODUCTS TOTAL WEIGHT.

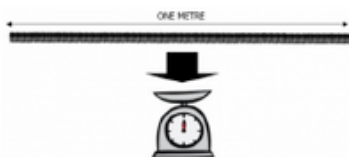
IT IS ALSO EVIDENT THAT NUTS USED ON THIS UNDER-WEIGHT ROD HAVE A TENDENCY TO APPEAR LOOSE WITH A SLIGHT AXIAL MOVEMENT. THIS IS A RESULT OF THE THINNER THREADS NOT LOCATING CORRECTLY WITHIN THE FEMALE THREAD OF THE NUT.

IN ADDITION TO THIS, THE WEIGHT BEARING PORTION OF THE NUT IS CONCENTRATED ONTO THE ENDS OF THE THREADS, WHICH HIGHLY INCREASES THE POSSIBILITY OF FAILURE DUE TO THREAD STRIPPING. THE AFFECTS OF THREAD STRIPPING CAN BE CLEARLY SEEN ON A ROD THAT WE TESTED IN-HOUSE THAT FAILED BEFORE REACHING IT'S MAXIMUM LOADING.

THE ACCEPTED STANDARD FOR THREADED ROD IS DIN976-1 AND DIN 13-20 WITH TOLERANCE FIELD 6G.

IT IS POSSIBLE TO CONFIRM WHETHER A ROD MEETS THE ABOVE STANDARDS BY PERFORMING A SIMPLE WEIGHT TEST OF A 1MTR LENGTH. THE TABLE BELOW SHOWS THE RECOGNISED WEIGHTS FOR EACH POPULAR SIZE.

The compliance weight test.



| Thread Size | Grade | Length | Weight |
|-------------|-------|--------|--------|
| M6 | 4.8 | 1000mm | 167 g |
| M8 | 4.8 | 1000mm | 306 g |
| M10 | 4.8 | 1000mm | 484 g |
| M12 | 4.8 | 1000mm | 703 g |

ANCHOR LOAD TESTING

Tensile Load Testing for Anchors



MANY ANCHORS THESE DAYS, PARTICULARLY THOSE USED IN CRACKED OR UN-CRACKED CONCRETE, HAVE EUROPEAN TECHNICAL ASSESSMENTS (ETA'S) ATTACHED TO THEM, WHICH ASSUMING THEY ARE INSTALLED TO THE CORRECT GUIDELINES, NEGATE THE NEED FOR FURTHER TESTING.

HOWEVER ON THOSE OCCASIONS WHEN THE CONCRETE STRENGTH OR SUBSTRATE IS UNKNOWN, SUCH AS IN AN EXISTING BUILDING THAT'S UNDERGOING REFURBISHMENT OR THE ANCHOR ITSELF DOESN'T CARRY AN ETA AN ON-SITE PULL TEST MAY BE REQUESTED.

ON-SITE PULL TESTS. STRUTFAST CAN OFFER TENSILE ON-SITE LOAD TESTING FOR ANY ANCHORS WE SUPPLY – COVERING A TESTING RANGE FROM 0.5KN (50KGS) TO 25KN (2500KGS) UPON COMPLETION OF THE TESTING, YOU WILL BE ISSUED WITH AN ON-SITE PULL TEST – REPORT SHEET (OSPT-REPORT) VIA E-MAIL, ALONG WITH COPIES OF THE RELEVANT CALIBRATION CERTIFICATES FOR THE TEST METER USED.

Arranging an On-Site Pull Test.

An On-Site Pull Test Request Form (OSPT-Request) is available here for you to download, complete and return.



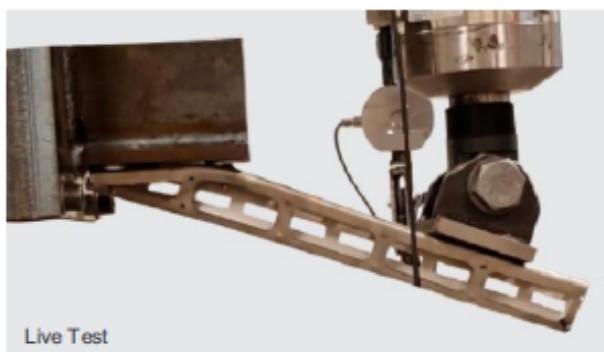
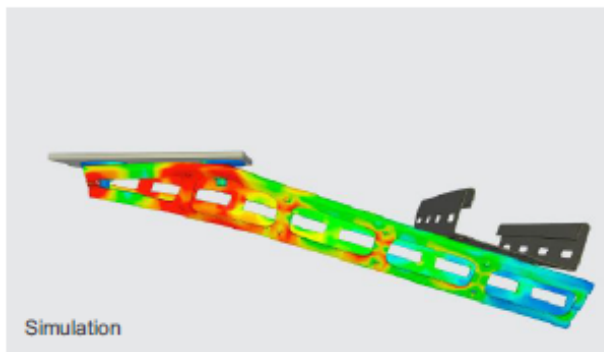
STRUCTURAL ANALYSIS

THIS SOFTWARE APPLIES KNOWLEDGE AND TECHNIQUES FROM AUTOMOBILE - AND DEFENSE INDUSTRIES TO THE INNOVATIVE, LIGHT - WEIGHT, AND MODULAR STRUTFAST MULTIDISCIPLINE SUPPORT SYSTEM. BY FOLLOWING A STRATEGY OF MASS PRODUCTION OF STANDARDIZED SOLUTIONS, WE HAVE MADE IT ECONOMICALLY VIABLE TO USE THE MOST ADVANCED TECHNOLOGY TO DEVELOP STRUCTURAL DOCUMENTATION WITH UNRIVALED ACCURACY. STRUTFAST BELIEVES THAT THE NEXT GENERATION SUPPORT SYSTEMS ARE MULTIDISCIPLINE, FOR MAXIMUM EQUIPMENT UTILIZATION; MODULAR, FOR FULL FLEXIBILITY; AND DIGITALLY AVAILABLE IN 3D LIBRARIES, FOR EFFICIENT APPLICATION.

WITH THIS SOFTWARE WE HAVE DEVELOPED AN AUTOMATED, ROBUST, AND FLEXIBLE FINITE ELEMENT PLATFORM SPECIFICALLY FOR THE STRUTFAST PROVIDING THE NECESSARY ALGORITHMS TO MAXIMIZE BENEFITS. THIS SOFTWARE IS BASED ON THE ADVANCED FINITE ELEMENT CODE IMPETUS AFEA, WHICH IS A MODERN, NON - LINEAR, EXPLICIT FINITE ELEMENT SOFTWARE. THIS SOLUTION TECHNIQUE HANDLES ALL THE PHYSICS LOCALLY, MAKING IT SUITABLE FOR COMPLEX, NON - LINEAR PROBLEMS.

IN PRACTICE, THE EFFECT IS THAT MORE OF STRUTFAST MECHANICAL STRENGTH IS AVAILABLE TO DESIGNERS AND ENGINEERS IN A PLUG - AND - PLAY FORMAT.

DON'T HESITATE TO GET IN CONTACT WITH US TO LEARN HOW THIS SOFTWARE CAN HELP YOUR PROJECTS ACHIEVE A SEAMLESS DESIGN, ENGINEERING, INSTALLATION AND MAINTENANCE INTEGRATION.



INSTALLATION GUIDE

CABLE TRAY SYSTEM DESIGN SHALL COMPLY WITH NEC ARTICLE 318, NEMAVE 1, NAD NEMAFG 1, AND SHALL FOLLOW SAFE WORK PRACTICES AS DESCRIBED IN NFPA 70E. THESE INSTRUCTIONS AND INFORMATION DO NOT INTEND TO COVER ALL DETAILS OR VARIATIONS IN CABLE TRAY SYSTEMS NOR PROVIDE FOR EVERY POSSIBLE INSTALLATION CONTINGENCY.

CONSTRUCTION EXPERIENCE - IT IS RECOMMENDED THAT THE WORK DESCRIBED BE PERFORMED BY QUALIFIED PERSONS FAMILIAR WITH STANDARD ELECTRICAL CONSTRUCTION PRACTICES, ELECTRICAL EQUIPMENT, AND THE SAFETY OF ELECTRICAL WIRING SYSTEMS.

WHEN CONSIDERING THE INSTALLATION OF THE CABLE SUPPORT SYSTEM IT IS IMPERATIVE TO AVOID THE CUTTING OR DRILLING OF STRUCTURAL BUILDING MEMBERS WITHOUT THE APPROVAL OF THE PROJECT LEADER ON SITE

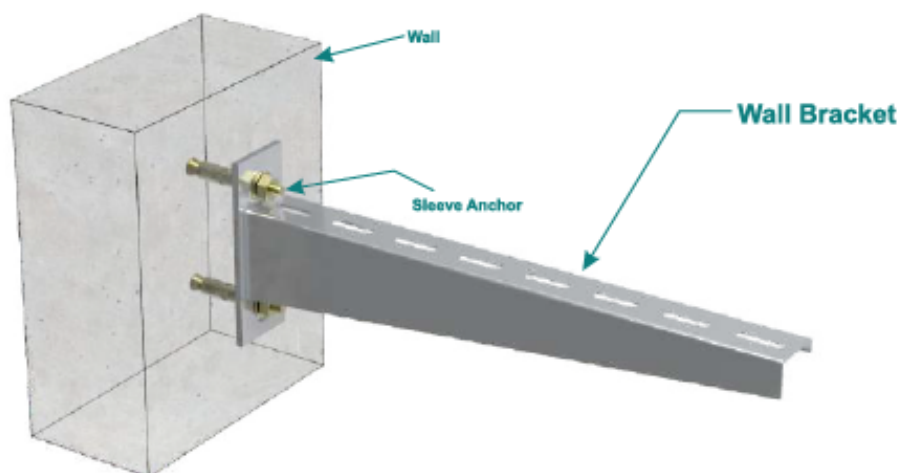
CABLE LADDERS, CABLE TRAYS, WIRE MESH CABLE TRAYS, AND THEIR SUPPORTS SHOULD BE STRONG ENOUGH TO MEET THE LOAD REQUIREMENTS OF THE CABLE MANAGEMENT SYSTEM INCLUDING CABLES AND ANY FUTURE CABLE ADDITIONS AND ANY OTHER ADDITIONAL LOADS APPLIED TO THE SYSTEM.

CABLE TRAYS SUPPORTS

SUPPORT SYSTEMS CAN BE BROKEN DOWN INTO A NUMBER OF ELEMENTS OR COMPONENTS. TO DESIGN A SAFE SYSTEM IT IS NECESSARY TO CHECK EACH ELEMENT IN TURN TO ENSURE:

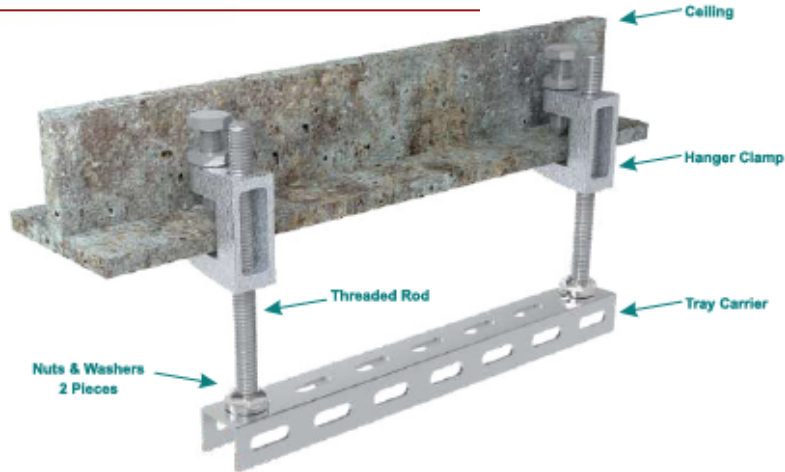
- THAT IT CAN SAFELY SUPPORT THE LOADS BEING IMPOSED UPON IT, AND
- THAT THE PROPOSED FIXINGS TO ADJACENT COMPONENTS ARE ALSO SUFFICIENT FOR THE INTENDED LOAD AND
- THAT ANY DECLARED DEFLECTION LIMITS ARE NOT EXCEEDED.

HORIZONTAL WALL AND PROFILE BRACKERS

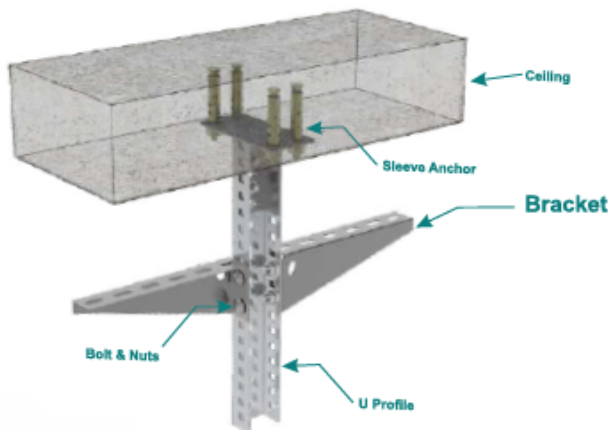


INSTALLATION GUIDE

THREADED ROD

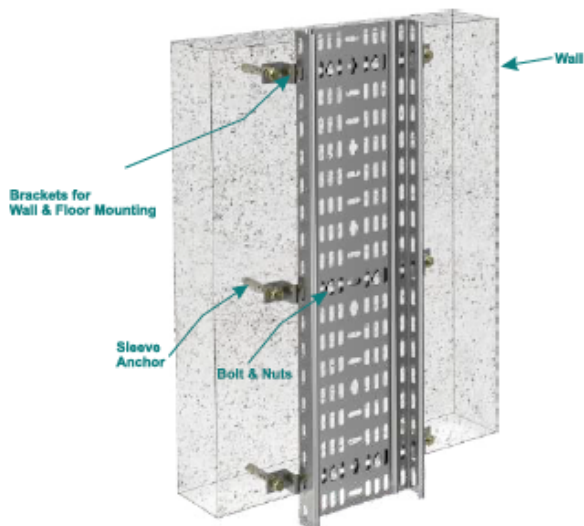


U SUPPORT, C SUPPORT, I SUPPORT, L SUPPORT



VERTICAL WALL OR FLOOR APPLICATION

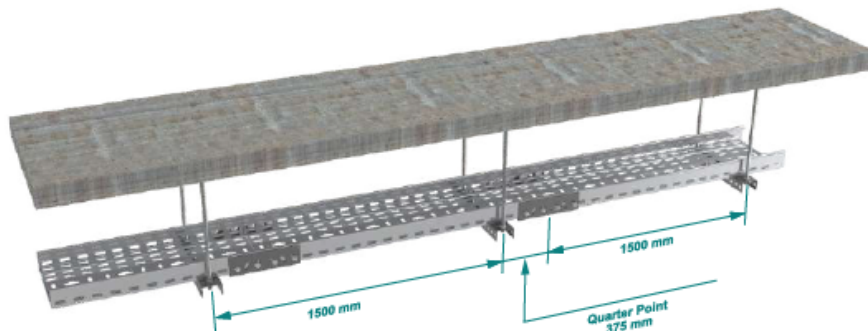
CABLE TRAY SHOULD NOT BE LAID EXACTLY ON THE FLOOR OR ROOF, IT SHOULD BE MOUNTED FAR ENOUGH OFF THE FLOOR OR ROOF TO ALLOW THE CABLES TO EXIT THROUGH THE BOTTOM OF THE CABLE TRAY.



INSTALLATION GUIDE

STRAIGHT SECTION POSITION

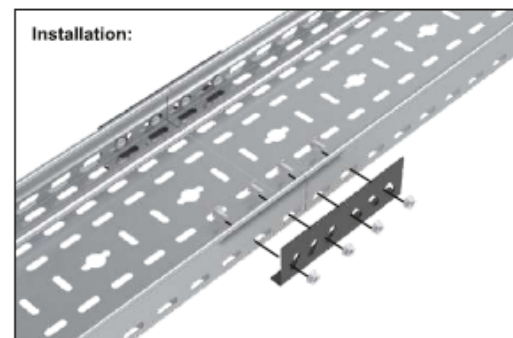
WHEN SUPPORTS ARE INSTALLED, THE INSTALLATION OF THE CABLE TRAY CAN BEGIN AT ANY PLACE THAT IS CONVENIENT. IT IS NOT NECESSARY TO START AT ONE END OF THE RUN. IT IS IDEAL TO LAY OUT THE SYSTEM SO THAT TRAY CONNECTORS FALL BETWEEN THE SUPPORT AND THE QUARTER POINT. THIS MAXIMIZES THE RIGIDITY OF THE CABLE TRAY.



THE SUPPORT SPAN SHOULD NOT BE GREATER THAN THE STRAIGHT SECTION LENGTH TO ENSURE NO MORE THAN ONE CONNECTOR IS LOCATED BETWEEN SUPPORTS. AS A GENERAL PRACTICE, AVOID PLACING CONNECTOR OVER SUPPORTS OR AT MID-SPAN. HOWEVER, CERTAIN CABLE TRAY SYSTEMS AND CERTAIN CONNECTION PLATE DESIGNS ALLOW FOR RANDOM COUPLING LOCATION.

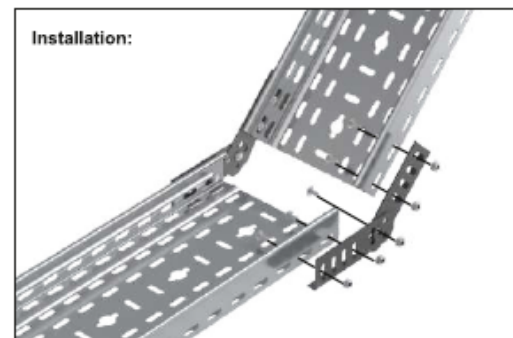
STRAIGHT CONNECTORS (COUPLERS, SPLICE PLATES)

PLACE THE NEXT STRAIGHT SECTION ACROSS THE NEXT SUPPORT, AND ATTACH IT TO THE PREVIOUS SECTION WITH A PAIR OF CONNECTION PLATES AND HARDWARE. CONNECTION PLATES SHOULD BE PLACED ON THE OUTSIDE OF THE CABLE TRAY. METAL CABLE TRAY CONNECTORS REQUIRE BONDING FOR ELECTRICAL CONTINUITY. SUPPORT SHOULD BE LOCATED WITHIN 600 MM OF EACH SIDE OF CONNECTION PLATES.



VERTICAL ADJUSTABLE CONNECTORS (SPLICE PLATES)

FOR CHANGES IN VERTICAL DIRECTION NOT REQUIRING A RADIUS, VERTICAL ADJUSTABLE CONNECTORS CAN BE USED. SUPPORTS SHOULD BE LOCATED WITHIN 600 MM OF EACH SIDE OF VERTICAL ADJUSTABLE CONNECTORS.



LOADING DATA

MAXIMUM LOADING CAPACITY OF CABLE TRAYS (SUPPORT DISTANCE 1,5 M)

| Values | | | | H=40 | | H=50 | | H=60 | | H=80 | | H=100 | |
|---------|---------------------------|----------------------|-----------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| Width W | Cross-Section mm2 Nominal | Overall Diameter, mm | Net Weight Kg/m | Quantities | Tot. Weight | Quantities | Tot. Weight | Quantities | Tot. Weight | Quantities | Tot. Weight | Quantities | Tot. Weight |
| 50 | 4x1.5 | 13 | 0,25 | 8 | 2 | 12 | 3 | 12 | 3 | | | | |
| | 4x2.5 | 14,5 | 0,33 | 8 | 2,64 | 8 | 2,64 | 10 | 3,3 | | | | |
| | 4x4 | 16,5 | 0,435 | 6 | 2,61 | 6 | 2,61 | 9 | 3,915 | | | | |
| | 4x6 | 17,5 | 0,545 | 5 | 2,725 | 6 | 3,27 | 7 | 3,815 | | | | |
| | 4x10 | 19,5 | 0,745 | 3 | 2,235 | 3 | 2,235 | 5 | 3,725 | | | | |
| | 4x16 | 21,5 | 1,03 | 3 | 3,09 | 4 | 4,12 | 4 | 4,12 | | | | |
| | 4x25 | 27,5 | 1,61 | 1 | 1,61 | 2 | 3,22 | 2 | 3,22 | | | | |
| | 4x35 | 30 | 2,08 | 1 | 2,08 | 1 | 2,08 | 2 | 4,16 | | | | |
| 4x50 | 33 | 2,69 | 1 | 2,69 | 1 | 2,69 | 1 | 2,69 | | | | | |
| 100 | 4x1.5 | 13 | 0,25 | 21 | 5,25 | 28 | 7 | 33 | 8,25 | 42 | 10,5 | | |
| | 4x2.5 | 14,5 | 0,33 | 15 | 4,95 | 19 | 6,27 | 24 | 7,92 | 30 | 9,9 | | |
| | 4x4 | 16,5 | 0,435 | 12 | 5,22 | 18 | 7,83 | 19 | 8,265 | 25 | 10,875 | | |
| | 4x6 | 17,5 | 0,545 | 10 | 5,45 | 15 | 8,175 | 15 | 8,175 | 20 | 10,9 | | |
| | 4x10 | 19,5 | 0,745 | 9 | 6,705 | 9 | 6,705 | 14 | 10,43 | 18 | 13,41 | | |
| | 4x16 | 21,5 | 1,03 | 7 | 7,21 | 8 | 8,24 | 11 | 11,33 | 12 | 12,36 | | |
| | 4x25 | 27,5 | 1,61 | 3 | 4,83 | 5 | 8,05 | 6 | 9,66 | 6 | 9,66 | | |
| | 4x35 | 30 | 2,08 | 3 | 6,24 | 3 | 6,24 | 5 | 10,4 | 6 | 12,48 | | |
| 4x50 | 33 | 2,69 | 2 | 5,38 | 3 | 8,07 | 3 | 8,07 | 5 | 13,45 | | | |
| 150 | 4x1.5 | 13 | 0,25 | 32 | 8 | 42 | 10,5 | 48 | 12 | 63 | 15,75 | 84 | 21 |
| | 4x2.5 | 14,5 | 0,33 | 23 | 7,59 | 31 | 10,23 | 39 | 12,87 | 48 | 15,84 | 67 | 22,11 |
| | 4x4 | 16,5 | 0,435 | 16 | 6,96 | 24 | 10,44 | 27 | 11,745 | 40 | 17,4 | 48 | 20,88 |
| | 4x6 | 17,5 | 0,545 | 15 | 8,175 | 22 | 11,99 | 24 | 13,08 | 32 | 17,44 | 48 | 26,16 |
| | 4x10 | 19,5 | 0,745 | 14 | 10,43 | 15 | 11,175 | 21 | 15,645 | 28 | 20,86 | 36 | 26,82 |
| | 4x16 | 21,5 | 1,03 | 10 | 10,3 | 12 | 12,36 | 17 | 17,51 | 19 | 19,57 | 30 | 30,9 |
| | 4x25 | 27,5 | 1,61 | 5 | 8,05 | 5 | 8,05 | 9 | 14,49 | 9 | 14,49 | 18 | 28,98 |
| | 4x35 | 30 | 2,08 | 4 | 8,32 | 6 | 12,48 | 8 | 16,64 | 8 | 16,64 | 14 | 29,12 |
| 4x50 | 33 | 2,69 | 4 | 10,76 | 4 | 10,76 | 6 | 16,14 | 8 | 21,52 | 11 | 29,59 | |
| 200 | 4x1.5 | 13 | 0,25 | 44 | 11 | 58 | 14,5 | 65 | 16,25 | 87 | 21,75 | 116 | 29 |
| | 4x2.5 | 14,5 | 0,33 | 25 | 8,25 | 38 | 12,54 | 50 | 16,5 | 65 | 21,45 | 91 | 30,03 |
| | 4x4 | 16,5 | 0,435 | 23 | 10,005 | 33 | 14,355 | 33 | 14,355 | 55 | 23,925 | 66 | 28,71 |
| | 4x6 | 17,5 | 0,545 | 21 | 11,445 | 27 | 14,715 | 32 | 17,44 | 42 | 22,89 | 63 | 34,335 |
| | 4x10 | 19,5 | 0,745 | 19 | 14,155 | 22 | 16,39 | 29 | 21,605 | 40 | 29,8 | 60 | 44,7 |
| | 4x16 | 21,5 | 1,03 | 13 | 13,39 | 17 | 17,51 | 22 | 22,66 | 26 | 26,76 | 43 | 44,29 |
| | 4x25 | 27,5 | 1,61 | 7 | 11,27 | 10 | 16,1 | 13 | 20,93 | 13 | 20,93 | 26 | 41,86 |
| | 4x35 | 30 | 2,08 | 6 | 12,48 | 8 | 16,64 | 11 | 22,88 | 12 | 24,96 | 18 | 37,44 |
| 4x50 | 33 | 2,69 | 5 | 13,45 | 6 | 16,14 | 9 | 24,21 | 11 | 29,59 | 17 | 45,73 | |
| 250 | 4x1.5 | 13 | 0,25 | 53 | 13,25 | 74 | 18,5 | 83 | 20,75 | 111 | 27,75 | 148 | 37 |
| | 4x2.5 | 14,5 | 0,33 | 40 | 13,2 | 51 | 16,83 | 68 | 22,44 | 83 | 27,39 | 117 | 38,61 |
| | 4x4 | 16,5 | 0,435 | 29 | 12,615 | 44 | 19,14 | 47 | 20,445 | 73 | 31,755 | 87 | 37,845 |
| | 4x6 | 17,5 | 0,545 | 27 | 14,715 | 41 | 22,345 | 41 | 22,345 | 56 | 30,52 | 81 | 44,145 |
| | 4x10 | 19,5 | 0,745 | 23 | 17,135 | 27 | 20,115 | 35 | 26,075 | 42 | 31,29 | 67 | 49,915 |
| | 4x16 | 21,5 | 1,03 | 16 | 16,48 | 20 | 20,6 | 27 | 27,81 | 33 | 33,99 | 55 | 56,65 |
| | 4x25 | 27,5 | 1,61 | 9 | 14,49 | 13 | 20,93 | 17 | 27,37 | 17 | 27,37 | 34 | 54,74 |
| | 4x35 | 30 | 2,08 | 8 | 16,64 | 10 | 20,8 | 15 | 31,2 | 15 | 31,2 | 23 | 47,84 |
| 4x50 | 33 | 2,69 | 7 | 18,83 | 7 | 18,83 | 11 | 29,59 | 14 | 37,66 | 21 | 56,49 | |

LOADING DATA

MAXIMUM LOADING CAPACITY OF CABLE TRAYS (SUPPORT DISTANCE 1,5 M)

| Values | | | | H=40 | | H=50 | | H=60 | | H=80 | | H=100 | |
|---------|---------------------------|----------------------|-----------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| Width W | Cross-Section mm2 Nominal | Overall Diameter, mm | Net Weight Kg/m | Quantities | Tot. Weight | Quantities | Tot. Weight | Quantities | Tot. Weight | Quantities | Tot. Weight | Quantities | Tot. Weight |
| 300 | 4x1.5 | 13 | 0,25 | 65 | 16,25 | 86 | 21,5 | 97 | 24,25 | 132 | 33 | 176 | 44 |
| | 4x2.5 | 14,5 | 0,33 | 48 | 15,84 | 59 | 19,47 | 78 | 25,74 | 100 | 33 | 140 | 46,2 |
| | 4x4 | 16,5 | 0,435 | 36 | 15,66 | 53 | 23,055 | 58 | 25,23 | 87 | 37,845 | 94 | 40,89 |
| | 4x6 | 17,5 | 0,545 | 32 | 17,44 | 47 | 25,615 | 47 | 25,615 | 65 | 35,97 | 99 | 53,955 |
| | 4x10 | 19,5 | 0,745 | 29 | 21,605 | 32 | 23,84 | 44 | 32,78 | 62 | 46,19 | 91 | 67,795 |
| | 4x16 | 21,5 | 1,03 | 20 | 20,6 | 26 | 26,78 | 38 | 39,14 | 39 | 40,17 | 65 | 66,95 |
| | 4x25 | 27,5 | 1,61 | 10 | 16,1 | 14 | 22,54 | 20 | 32,2 | 24 | 38,64 | 36 | 57,96 |
| | 4x35 | 30 | 2,08 | 9 | 18,72 | 12 | 24,96 | 18 | 37,44 | 18 | 37,44 | 29 | 60,32 |
| | 4x50 | 33 | 2,89 | 8 | 21,52 | 8 | 21,52 | 13 | 34,97 | 17 | 45,73 | 26 | 69,94 |
| 400 | 4x1.5 | 13 | 0,25 | 89 | 22,25 | 118 | 29,5 | 130 | 32,5 | 150 | 37,5 | 210 | 52,5 |
| | 4x2.5 | 14,5 | 0,33 | 68 | 22,44 | 80 | 26,4 | 107 | 35,31 | 133 | 43,89 | 186 | 61,38 |
| | 4x4 | 16,5 | 0,435 | 47 | 20,445 | 71 | 30,885 | 71 | 30,885 | 118 | 51,33 | 141 | 61,335 |
| | 4x6 | 17,5 | 0,545 | 41 | 22,345 | 65 | 35,425 | 65 | 35,425 | 88 | 47,96 | 132 | 71,94 |
| | 4x10 | 19,5 | 0,745 | 40 | 29,8 | 46 | 34,27 | 59 | 43,955 | 82 | 61,09 | 112 | 83,44 |
| | 4x16 | 21,5 | 1,03 | 26 | 26,78 | 35 | 36,05 | 44 | 45,32 | 54 | 55,62 | 90 | 92,7 |
| | 4x25 | 27,5 | 1,61 | 14 | 22,54 | 19 | 30,59 | 28 | 45,08 | 32 | 51,52 | 56 | 90,16 |
| | 4x35 | 30 | 2,08 | 13 | 27,04 | 17 | 35,36 | 26 | 54,08 | 25 | 52 | 38 | 79,04 |
| | 4x50 | 33 | 2,89 | 11 | 29,59 | 11 | 29,59 | 18 | 48,42 | 23 | 61,87 | 35 | 94,15 |
| 500 | 4x1.5 | 13 | 0,25 | 113 | 28,25 | 113 | 28,25 | 163 | 40,75 | 225 | 56,25 | 300 | 75 |
| | 4x2.5 | 14,5 | 0,33 | 80 | 26,4 | 99 | 32,67 | 115 | 37,95 | 168 | 55,44 | 235 | 77,55 |
| | 4x4 | 16,5 | 0,435 | 57 | 24,795 | 87 | 37,845 | 93 | 40,455 | 118 | 51,33 | 177 | 75,995 |
| | 4x6 | 17,5 | 0,545 | 55 | 29,975 | 55 | 29,975 | 74 | 40,33 | 112 | 61,04 | 168 | 91,56 |
| | 4x10 | 19,5 | 0,745 | 49 | 36,505 | 49 | 36,505 | 44 | 32,78 | 102 | 75,99 | 156 | 116,22 |
| | 4x16 | 21,5 | 1,03 | 35 | 36,05 | 44 | 45,32 | 54 | 55,62 | 68 | 70,04 | 113 | 116,39 |
| | 4x25 | 27,5 | 1,61 | 18 | 28,98 | 26 | 41,86 | 32 | 51,52 | 53 | 85,33 | 70 | 112,7 |
| | 4x35 | 30 | 2,08 | 16 | 33,28 | 20 | 41,6 | 14 | 29,12 | 32 | 65,56 | 48 | 99,84 |
| | 4x50 | 33 | 2,89 | 14 | 37,66 | 14 | 37,66 | 22 | 69,18 | 29 | 78,01 | 44 | 118,36 |
| 600 | 4x1.5 | 13 | 0,25 | 134 | 33,5 | 178 | 44,5 | 196 | 49 | 270 | 67,5 | 360 | 90 |
| | 4x2.5 | 14,5 | 0,33 | 98 | 32,34 | 116 | 38,28 | 155 | 51,15 | 203 | 66,99 | 284 | 93,72 |
| | 4x4 | 16,5 | 0,435 | 72 | 31,32 | 105 | 45,675 | 108 | 46,98 | 178 | 77,43 | 213 | 92,655 |
| | 4x6 | 17,5 | 0,545 | 65 | 35,425 | 65 | 35,425 | 98 | 53,41 | 134 | 73,03 | 201 | 109,545 |
| | 4x10 | 19,5 | 0,745 | 58 | 43,21 | 58 | 43,21 | 88 | 65,56 | 126 | 93,87 | 158 | 117,71 |
| | 4x16 | 21,5 | 1,03 | 41 | 42,23 | 53 | 54,59 | 65 | 66,95 | 81 | 83,43 | 135 | 139,05 |
| | 4x25 | 27,5 | 1,61 | 21 | 33,81 | 31 | 49,91 | 42 | 67,62 | 53 | 85,33 | 84 | 136,24 |
| | 4x35 | 30 | 2,08 | 19 | 39,52 | 25 | 52 | 37 | 76,98 | 38 | 78,04 | 57 | 118,58 |
| | 4x50 | 33 | 2,89 | 17 | 45,73 | 17 | 45,73 | 27 | 72,63 | 36 | 96,84 | 54 | 145,26 |

STRUT CHANNELS

C Support Static Values - Safe Load

| Length, L mm | 21x41 | | | | 42x41 | | | | 41x41 | | | | 83x41 | | | |
|-----------------|------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| | 21x41x1.5 | | 21x41x2.0 | | 42x41x1.5 | | 42x41x2.0 | | 41x41x1.5 | | 41x41x2.0 | | 83x41x1.5 | | 83x41x2.0 | |
| | Def, f (max. L/200) mm | C 2141A 15 q, kN | C 2141A 20 q, kN | C 2141A 25 q, kN | C 4241A 15 q, kN | C 4241A 20 q, kN | C 4241A 25 q, kN | C 4141A 15 q, kN | C 4141A 20 q, kN | C 4141A 25 q, kN | C 8341A 15 q, kN | C 8341A 20 q, kN | C 8341A 25 q, kN | C 8341A 15 F, kN | C 8341A 20 F, kN | C 8341A 25 F, kN |
| 500 | 2.50 | 2.20 | 2.80 | 3.30 | 6.30 | 8.19 | 9.90 | 5.80 | 7.80 | 9.60 | 14.50 | 19.50 | 24.00 | 4.80 | 6.20 | 7.70 |
| 750 | 3.75 | 1.00 | 1.35 | 1.50 | 3.00 | 3.80 | 4.80 | 2.80 | 3.60 | 4.59 | 8.60 | 10.80 | 13.90 | 3.20 | 4.09 | 5.20 |
| 1000 | 5.00 | 0.56 | 0.70 | 0.80 | 1.70 | 2.10 | 2.60 | 1.60 | 2.00 | 2.50 | 4.80 | 6.20 | 7.70 | 2.40 | 3.10 | 3.90 |
| 1250 | 6.25 | 0.36 | 0.45 | 0.53 | 1.14 | 1.50 | 1.80 | 1.10 | 1.40 | 1.70 | 3.10 | 3.90 | 5.00 | 1.80 | 2.30 | 2.90 |
| 1500 | 7.50 | 0.25 | 0.31 | 0.37 | 0.85 | 1.12 | 1.35 | 0.90 | 1.10 | 1.30 | 2.40 | 3.00 | 3.80 | 1.40 | 1.80 | 2.30 |
| 1750 | 8.75 | 0.18 | 0.23 | 0.27 | 0.74 | 0.95 | 1.10 | 0.70 | 0.90 | 1.10 | 1.80 | 2.40 | 3.00 | 1.10 | 1.40 | 1.80 |
| 2000 | 10.00 | 0.12 | 0.17 | 0.21 | 0.60 | 0.75 | 0.80 | 0.55 | 0.70 | 0.80 | 1.40 | 2.10 | 2.60 | 0.80 | 1.00 | 1.30 |
| 2250 | 11.25 | | 0.12 | 0.16 | 0.50 | 0.62 | 0.75 | 0.45 | 0.60 | 0.70 | 1.20 | 1.70 | 2.20 | 0.70 | 0.90 | 1.20 |
| 2500 | 12.50 | | 0.10 | 0.12 | 0.42 | 0.52 | 0.65 | 0.40 | 0.50 | 0.62 | 1.00 | 1.40 | 1.80 | 0.60 | 0.80 | 1.10 |
| 2750 | 13.75 | | | | 0.37 | 0.45 | 0.60 | 0.36 | 0.44 | 0.56 | 0.80 | 1.20 | 1.60 | 0.50 | 0.70 | 0.90 |
| 3000 | 15.00 | | | | 0.33 | 0.40 | 0.50 | 0.32 | 0.40 | 0.50 | 0.70 | 1.00 | 1.40 | 0.40 | 0.50 | 0.70 |

| Length, L mm | 21x41x1.5 | | 21x41x2.0 | | 42x41x1.5 | | 42x41x2.0 | | 41x41x1.5 | | 41x41x2.0 | | 83x41x1.5 | | 83x41x2.0 | |
|-----------------|------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|------|
| | Def, f (max. L/200) mm | C 2141A 15 F, kN | C 2141A 20 F, kN | C 2141A 25 F, kN | C 4241A 15 F, kN | C 4241A 20 F, kN | C 4241A 25 F, kN | C 4141A 15 F, kN | C 4141A 20 F, kN | C 4141A 25 F, kN | C 8341A 15 F, kN | C 8341A 20 F, kN | C 8341A 25 F, kN | C 8341A 15 F, kN | C 8341A 20 F, kN | |
| | 500 | 2.50 | 0.65 | 0.70 | 0.80 | 1.70 | 2.10 | 2.60 | 1.60 | 2.00 | 2.50 | 4.80 | 6.20 | 7.70 | 4.80 | 6.20 |
| 750 | 3.75 | 0.50 | 0.56 | 0.60 | 1.20 | 1.50 | 1.80 | 1.10 | 1.40 | 1.70 | 3.20 | 4.09 | 5.20 | 3.20 | 4.09 | |
| 1000 | 5.00 | 0.35 | 0.38 | 0.42 | 0.82 | 1.10 | 1.35 | 0.80 | 1.00 | 1.30 | 2.40 | 3.10 | 3.90 | 2.40 | 3.10 | |
| 1250 | 6.25 | 0.24 | 0.28 | 0.35 | 0.60 | 0.82 | 1.05 | 0.60 | 0.80 | 1.00 | 1.90 | 2.40 | 3.10 | 1.90 | 2.40 | |
| 1500 | 7.50 | 0.19 | 0.23 | 0.26 | 0.52 | 0.71 | 0.85 | 0.50 | 0.70 | 0.80 | 1.60 | 2.00 | 2.60 | 1.60 | 2.00 | |
| 1750 | 8.75 | 0.15 | 0.20 | 0.24 | 0.45 | 0.60 | 0.74 | 0.42 | 0.57 | 0.70 | 1.40 | 1.80 | 2.20 | 1.40 | 1.80 | |
| 2000 | 10.00 | | 0.15 | 0.18 | 0.40 | 0.55 | 0.65 | 0.38 | 0.44 | 0.60 | 1.10 | 1.50 | 1.90 | 1.10 | 1.50 | |
| 2250 | 11.25 | | | | 0.35 | 0.42 | 0.55 | 0.35 | 0.40 | 0.55 | 0.90 | 1.20 | 1.70 | 0.90 | 1.20 | |
| 2500 | 12.50 | | | | 0.31 | 0.40 | 0.52 | 0.30 | 0.38 | 0.50 | 0.70 | 1.10 | 1.50 | 0.70 | 1.10 | |
| 2750 | 13.75 | | | | 0.25 | 0.34 | 0.45 | 0.25 | 0.33 | 0.45 | 0.60 | 0.90 | 1.40 | 0.60 | 0.90 | |
| 3000 | 15.00 | | | | 0.20 | 0.30 | 0.40 | 0.20 | 0.28 | 0.40 | 0.50 | 0.80 | 1.20 | 0.50 | 0.80 | |

UNIFORM LOAD, q (kN)



ALLOWABLE LOAD, F (kN)

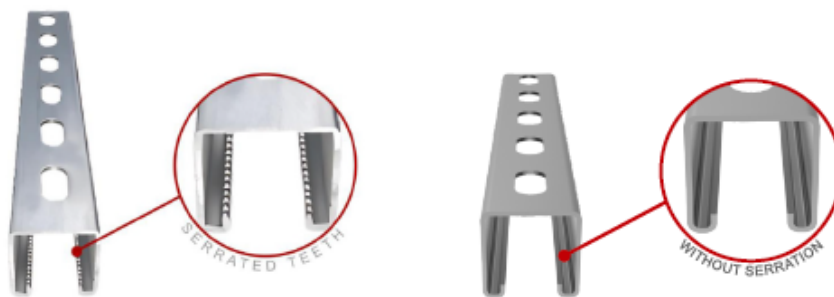


STRUT CHANNELS

TYPES OF STRUT CHANNELS

THE BASIC COMPONENT OF STRUT SUPPORT SYSTEM IS THE STRUT CHANNEL, WHICH IS A SLOTTED STEEL MOUNTING RAIL USED FOR MAKING STEEL FRAMES AND FIXTURES. THEY ARE UTILIZED IN VENTILATION, AIR CONDITIONING AND COOLING SYSTEMS BUT ALSO FOR OTHER COMPONENTS THAT ARE TO BE SUSPENDED. THE SERRATION IN TURNED EDGES ARE FOR BETTER GRIP BETWEEN THE CHANNEL NUT AND THE CHANNEL ITSELF. THE STRUT CHANNEL COMES IN BASIC WIDTH OF 41 MM AND THE LENGTH VARYING LENGTHS SUCH AS 21 MM, 41 MM, 62 MM AND 82 MM.

BACK TO BACK CHANNELS WELDED TOGETHER ARE ALSO AVAILABLE, IN CASE OF HIGHER LOAD BEARING REQUIREMENTS.



HOW TO ORDER?

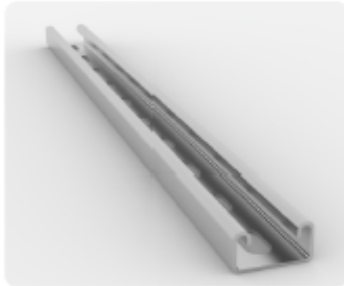
OUR CHANNELS ARE MANUFACTURED IN COMPLIANCE TO U.S. AND U.K. (BSEN6946:1988), AUS/NZS (ISO 9002) STANDARDS. SINCE THE CHANNELS COME IN VARIOUS THICKNESSES, LENGTHS AND PROFILE HEIGHTS, ORDERING THE CHANNELS CAN BE CUMBERSOME.

PLEASE REFER TO THE FOLLOWING DIAGRAM AS A PRODUCT ORDERING GUIDE.

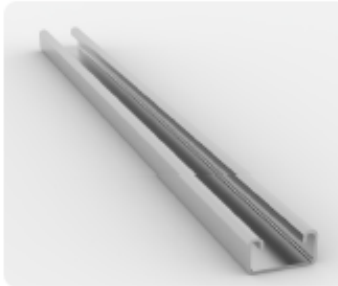


STRUT CHANNELS

C Channel 21x41



SCS 21
Perforated



SC 21
Non-Perforated

| SCS 21 | | L:3000 | | | |
|---------------|-------------|-------------|------|----|----|
| CODE | Thickn T mm | Length L mm | kg/m | kg | kg |
| SCS 21/1.2 PG | 1.2 | 3000 | 0.85 | 1 | 1 |
| SCS 21/1.5 PG | 1.5 | 3000 | 1.05 | 1 | 1 |
| SCS 21/2.0 PG | 2.0 | 3000 | 1.45 | 1 | 1 |
| SCS 21/2.5 PG | 2.5 | 3000 | 1.80 | 1 | 1 |

| SC 21 | | L:3000 | | | |
|-----------|-------------|-------------|------|----|----|
| CODE | Thickn T mm | Length L mm | kg/m | kg | kg |
| SC 21/1.2 | 1.2 | 3000 | 0.95 | 1 | 1 |
| SC 21/1.5 | 1.5 | 3000 | 1.15 | 1 | 1 |
| SC 21/2.0 | 2.0 | 3000 | 1.55 | 1 | 1 |
| SC 21/2.5 | 2.5 | 3000 | 1.95 | 1 | 1 |

| SCS 21 | | L:3000-6000 | | | |
|--------------|-------------|-------------|------|----|----|
| CODE | Thickn T mm | Length L mm | kg/m | kg | kg |
| SCS 21/1.5 H | 1.5 | 3000 | 1.13 | 1 | 1 |
| SCS 21/2.0 H | 2.0 | 3000 | 1.51 | 1 | 1 |
| SCS 21/2.5 H | 2.5 | 3000 | 1.88 | 1 | 1 |
| SCS 21/2.0 H | 2.0 | 6000 | 1.51 | 1 | 1 |
| SCS 21/2.5 H | 2.5 | 6000 | 1.88 | 1 | 1 |

| SC 21 | | L:3000-6000 | | | |
|-------------|-------------|-------------|------|----|----|
| CODE | Thickn T mm | Length L mm | kg/m | kg | kg |
| SC 21/1.5 H | 1.5 | 3000 | 1.19 | 1 | 1 |
| SC 21/2.0 H | 2.0 | 3000 | 1.59 | 1 | 1 |
| SC 21/2.5 H | 2.5 | 3000 | 1.98 | 1 | 1 |
| SC 21/2.0 H | 2.0 | 6000 | 1.59 | 1 | 1 |
| SC 21/2.5 H | 2.5 | 6000 | 1.98 | 1 | 1 |

TECHNICAL DATA

| | | Z - Z AXIS | | | Y - Y AXIS | | |
|--------------------------|--------------------|------------|-------|-------|------------|-------|-------|
| SCS 21 | Units | 1.5 | 2.0 | 2.5 | 1.5 | 2.0 | 2.5 |
| Moment of Inertia | cm ⁴ | 3.34 | 4.25 | 5.07 | 0.7 | 0.88 | 1.03 |
| Section Modulus | cm ³ | 1.68 | 1.88 | 2.53 | 0.5 | 0.75 | 0.89 |
| Allowable Bending Stress | kN/cm ² | 21.82 | 21.82 | 21.82 | 21.82 | 21.82 | 21.82 |

FEATURES & APPLICATIONS

FEATURES

- C-PROFILE WITH SERRATED EDGES – FOR HIGHER PULL-OUT AND SHEAR CAPACITY
- LONG BACK SLOTS – FOR MORE FLEXIBLE ATTACHMENT OPTIONS AND ROUND HOLES FOR OPTIMISED ANCHOR FASTENING
- PRE-MARKED DIMENSIONS – FOR RAPID INSTALLATION, ASSEMBLY AND CUTTING
- VERSATILE AND FLEXIBLE DUE TO MODULAR CHANNEL SYSTEM
- SOUND INSULATION ELEMENTS AVAILABLE FOR ALL MQ INSTALLATION CHANNELS

APPLICATIONS

- RECOMMENDED FOR INSTALLATION IN DRY INTERIORS
- MODULAR SUPPORT SYSTEMS FOR PIPING
- MODULAR SUPPORT SYSTEMS FOR AIR DUCTS AND CABLE TRAYS
- MODULAR SUPPORT SYSTEMS FOR 3D STRUCTURES
- WALL-MOUNTED INSTALLATION

SCS 21/1.2/3000H



AVAILABLE FINISH

HOT-DIP GALVANIZED - H
ELECTROPLATED ZINC - Z

PRE-GALVANIZED - PG
POWDERCOAT - PC

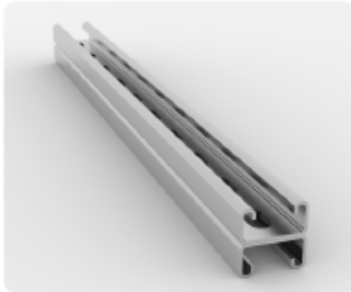
STAINLESS STEEL TYPE 304 - S4
STAINLESS STEEL TYPE 316 - S6

FRP - FR
ALUMINIUM - AL

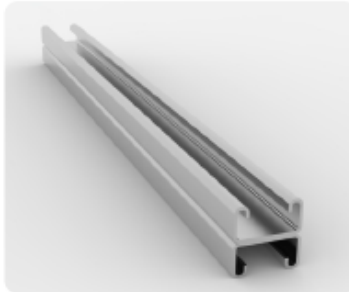
DACROMET - D

STRUT CHANNELS

C Double Channel 42x41 (Welded)



SBBS 21
Perforated



SBB 21
Non-Perforated

| SBBS 21 | | L:3000-6000 | | | |
|---------------|----------------|-------------|-------------|----|-------|
| CODE | Thickness T mm | Length L mm | Weight kg/m | kg | Icons |
| SBBS 21/2.0 H | 2.0 | 3000 | 3.01 | 1 | |
| SBBS 21/2.5 H | 2.5 | 3000 | 3.77 | 1 | |
| SBBS 21/2.0 H | 2.0 | 6000 | 3.01 | 1 | |
| SBBS 21/2.5 H | 2.5 | 6000 | 3.77 | 1 | |

| SBB 21 | | L:3000-6000 | | | |
|--------------|----------------|-------------|-------------|----|-------|
| CODE | Thickness T mm | Length L mm | Weight kg/m | kg | Icons |
| SBB 21/2.0 H | 2.0 | 3000 | 3.14 | 1 | |
| SBB 21/2.5 H | 2.5 | 3000 | 3.93 | 1 | |
| SBB 21/2.0 H | 2.0 | 6000 | 3.14 | 1 | |
| SBB 21/2.5 H | 2.5 | 6000 | 3.93 | 1 | |

TECHNICAL DATA

| SBBS 21 | Unit | Z - Z AXIS | | Y - Y AXIS | |
|--------------------------|--------------------|------------|-------|------------|-------|
| | | 2.0 | 2.5 | 2.0 | 2.5 |
| Moment of Inertia | cm ⁴ | 8.51 | 10.14 | 4.60 | 5.55 |
| Section Modulus | cm ³ | 4.26 | 5.18 | 2.19 | 2.85 |
| Allowable Bending Stress | kN/cm ² | 21.82 | 21.82 | 21.82 | 21.82 |

FEATURES & APPLICATIONS

FEATURES

- C-PROFILE WITH SERRATED EDGES – FOR HIGHER PULL-OUT AND SHEAR CAPACITY
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- MODULAR SUPPORT SYSTEMS FOR AIR DUCTS AND CABLE TRAYS
- MODULAR SUPPORT SYSTEMS FOR 3D STRUCTURES
- WALL-MOUNTED INSTALLATION

SBBS 21/2.0/3000H



AVAILABLE FINISH

HOT-DIP GALVANIZED - **H**
ELECTROPLATED ZINC - **Z**

PRE-GALVANIZED - **PG**
POWDERCOAT - **PC**

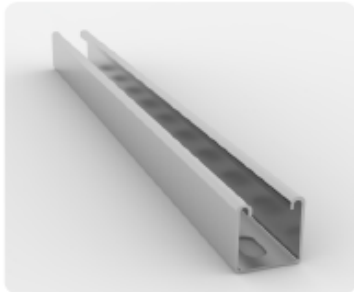
STAINLESS STEEL TYPE 304 - **S4**
STAINLESS STEEL TYPE 316 - **S6**

FRP - **FR**
ALUMINIUM - **AL**

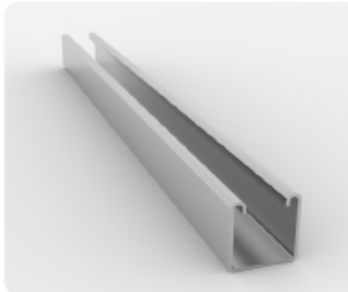
DACROMET - **D**

STRUT CHANNELS

C Channel 41x41



SCS 41
Perforated



SC 41
Non-Perforated

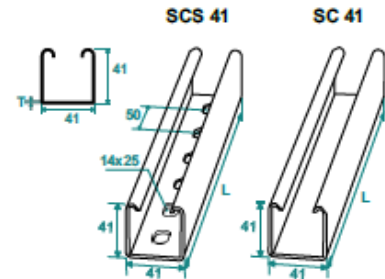
| SCS41 | | L:3000 | | | |
|---------------|-------------------|----------------|----------------|------------|---------|
| CODE | Thickness T mm | Length L mm | Weight kg/m | Perforated | Slotted |
| SCS 41/1.5 PG | 1.5 | 3000 | 1.55 | 1 | 1 |
| SCS 41/2.0 PG | 2.0 | 3000 | 2.07 | 1 | 1 |
| SCS 41/2.5 PG | 2.5 | 3000 | 2.58 | 1 | 1 |

| SC41 | | L:3000 | | | |
|--------------|-------------------|----------------|----------------|------------|---------|
| CODE | Thickness T mm | Length L mm | Weight kg/m | Perforated | Slotted |
| SC 41/1.5 PG | 1.5 | 3000 | 1.85 | 1 | 1 |
| SC 41/2.0 PG | 2.0 | 3000 | 2.20 | 1 | 1 |
| SC 41/2.5 PG | 2.5 | 3000 | 2.75 | 1 | 1 |

| SCS41 | | L:3000-6000 | | | |
|--------------|-------------------|----------------|----------------|------------|---------|
| CODE | Thickness T mm | Length L mm | Weight kg/m | Perforated | Slotted |
| SCS 41/1.5 H | 1.5 | 3000 | 1.58 | 1 | 1 |
| SCS 41/2.0 H | 2.0 | 3000 | 2.11 | 1 | 1 |
| SCS 41/2.5 H | 2.5 | 3000 | 2.84 | 1 | 1 |
| SCS 41/2.0 H | 2.0 | 6000 | 2.11 | 1 | 1 |
| SCS 41/2.5 H | 2.5 | 6000 | 2.84 | 1 | 1 |

| SC41 | | L:3000-6000 | | | |
|-------------|-------------------|----------------|----------------|------------|---------|
| CODE | Thickness T mm | Length L mm | Weight kg/m | Perforated | Slotted |
| SC 41/1.5 H | 1.5 | 3000 | 1.85 | 1 | 1 |
| SC 41/2.0 H | 2.0 | 3000 | 2.20 | 1 | 1 |
| SC 41/2.5 H | 2.5 | 3000 | 2.75 | 1 | 1 |
| SC 41/2.0 H | 2.0 | 6000 | 2.20 | 1 | 1 |
| SC 41/2.5 H | 2.5 | 6000 | 2.75 | 1 | 1 |

TECHNICAL DATA



| SCS 41 | Unit | Z - Z AXIS | | | Y - Y AXIS | | |
|--------------------------|--------------------|------------|-------|-------|------------|-------|-------|
| | | 1.5 | 2.0 | 2.5 | 1.5 | 2.0 | 2.5 |
| Moment of Inertia | cm ⁴ | 5.68 | 6.99 | 8.67 | 3.87 | 4.59 | 5.87 |
| Section Modulus | cm ³ | 3.58 | 4.28 | 5.18 | 1.76 | 2.18 | 2.72 |
| Allowable Bending Stress | kN/cm ² | 21.82 | 21.82 | 21.82 | 21.82 | 21.82 | 21.82 |

FEATURES & APPLICATIONS

FEATURES

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- WALL-MOUNTED INSTALLATION

SCS 41/1.5/3000H

Product Category (e.g. SC stands for Strut Channels)

- Slotted
- Profile Height
- Profile Thickness
- Channel Length
- Channel Finish

AVAILABLE FINISH

HOT-DIP GALVANIZED - **H**
ELECTROPLATED ZINC - **Z**

PRE-GALVANIZED - **PG**
POWDERCOAT - **PC**

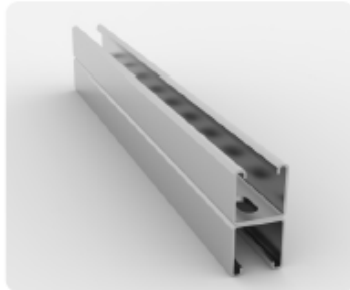
STAINLESS STEEL TYPE 304 - **S4**
STAINLESS STEEL TYPE 316 - **S6**

FRP - **FR**
ALUMINIUM - **AL**

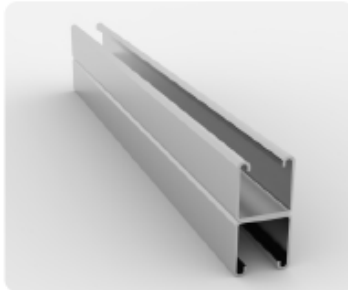
DACROMET - **D**

STRUT CHANNELS

C Double Channel 83x41 (Welded)



SBBS 41
Perforated

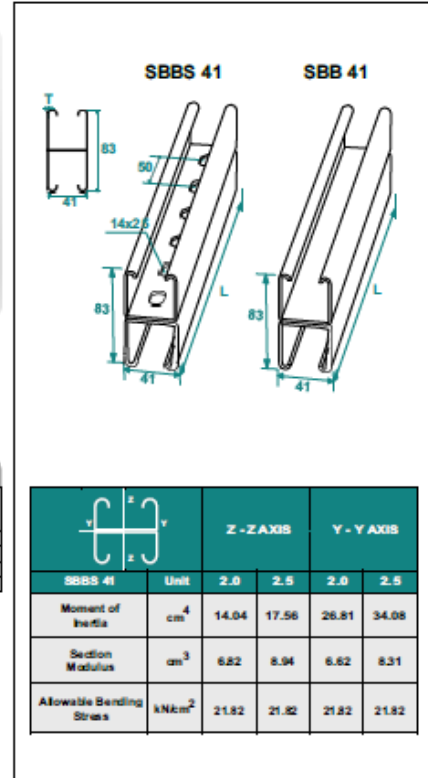


SBB 41
Non-Perforated

| SBBS 41 | | L:3000-6000 | | | |
|---------------|----------------|-------------|------|----|----|
| CODE | Thickness T mm | Length L mm | kg/m | kg | kg |
| SBBS 41/2.0 H | 2.0 | 3000 | 4.22 | 1 | 1 |
| SBBS 41/2.5 H | 2.5 | 3000 | 5.28 | 1 | 1 |
| SBBS 41/2.0 H | 2.0 | 6000 | 4.22 | 1 | 1 |
| SBBS 41/2.5 H | 2.5 | 6000 | 5.28 | 1 | 1 |

| SBB 41 | | L:3000-6000 | | | |
|--------------|----------------|-------------|------|----|----|
| CODE | Thickness T mm | Length L mm | kg/m | kg | kg |
| SBB 41/2.0 H | 2.0 | 3000 | 4.40 | 1 | 1 |
| SBB 41/2.5 H | 2.5 | 3000 | 5.50 | 1 | 1 |
| SBB 41/2.0 H | 2.0 | 6000 | 4.40 | 1 | 1 |
| SBB 41/2.5 H | 2.5 | 6000 | 5.50 | 1 | 1 |

TECHNICAL DATA



FEATURES & APPLICATIONS

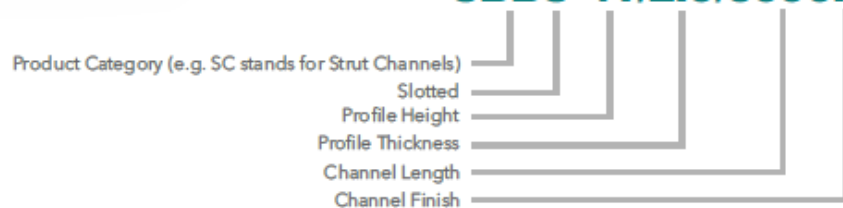
FEATURES

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SBBS 41/2.0/3000H



AVAILABLE FINISH

HOT-DIP GALVANIZED - **H**
ELECTROPLATED ZINC - **Z**

PRE-GALVANIZED - **PG**
POWDERCOAT - **PC**

STAINLESS STEEL TYPE 304 - **S4**
STAINLESS STEEL TYPE 316 - **S6**

FRP - **FR**
ALUMINIUM - **AL**

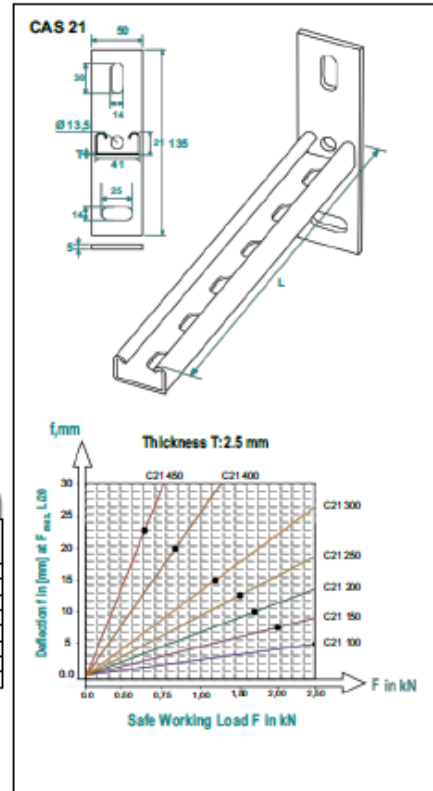
DACROMET - **D**

CANTILEVER ARMS

Channel 21x41 Bracket



TECHNICAL DATA



| CAS 21 | | 2.0mm | | | |
|--------------|----------------|-------------|------|------|--|
| CODE | Thickness T mm | Length L mm | 1.0t | 1.0t | |
| CAS 21/100 H | 2.0 | 100 | 0.43 | 1 | |
| CAS 21/150 H | 2.0 | 150 | 0.51 | 1 | |
| CAS 21/200 H | 2.0 | 200 | 0.59 | 1 | |
| CAS 21/250 H | 2.0 | 250 | 0.67 | 1 | |
| CAS 21/300 H | 2.0 | 300 | 0.75 | 1 | |
| CAS 21/350 H | 2.0 | 350 | 0.83 | 1 | |
| CAS 21/400 H | 2.0 | 400 | 0.91 | 1 | |
| CAS 21/450 H | 2.0 | 450 | 0.99 | 1 | |

| CAS 21 | | 2.5mm | | | |
|--------------|----------------|-------------|------|------|--|
| CODE | Thickness T mm | Length L mm | 1.0t | 1.0t | |
| CAS 21/100 H | 2.5 | 100 | 0.47 | 1 | |
| CAS 21/150 H | 2.5 | 150 | 0.57 | 1 | |
| CAS 21/200 H | 2.5 | 200 | 0.67 | 1 | |
| CAS 21/250 H | 2.5 | 250 | 0.77 | 1 | |
| CAS 21/300 H | 2.5 | 300 | 0.87 | 1 | |
| CAS 21/350 H | 2.5 | 350 | 0.97 | 1 | |
| CAS 21/400 H | 2.5 | 400 | 1.07 | 1 | |
| CAS 21/450 H | 2.5 | 450 | 1.17 | 1 | |

FEATURES & APPLICATIONS

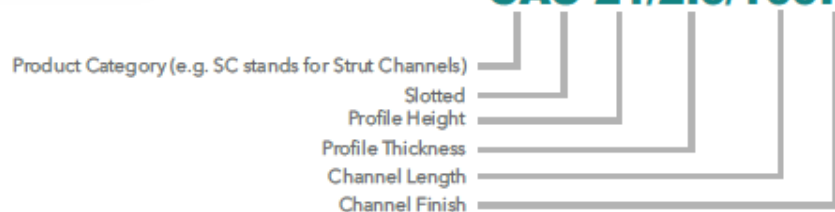
FEATURES

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- LONG BACK SLOTS – FOR MORE FLEXIBLE ATTACHMENT OPTIONS AND ROUND HOLES FOR OPTIMISED ANCHOR FASTENING
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- MODULAR SUPPORT SYSTEMS FOR 3D STRUCTURES
- WALL-MOUNTED INSTALLATION

CAS 21/2.0/100H



AVAILABLE FINISH

HOT-DIP GALVANIZED - **H**
ELECTROPLATED ZINC - **Z**

PRE-GALVANIZED - **PG**
POWDERCOAT - **PC**

STAINLESS STEEL TYPE 304 - **S4**
STAINLESS STEEL TYPE 316 - **S6**

FRP - **FR**
ALUMINIUM - **AL**

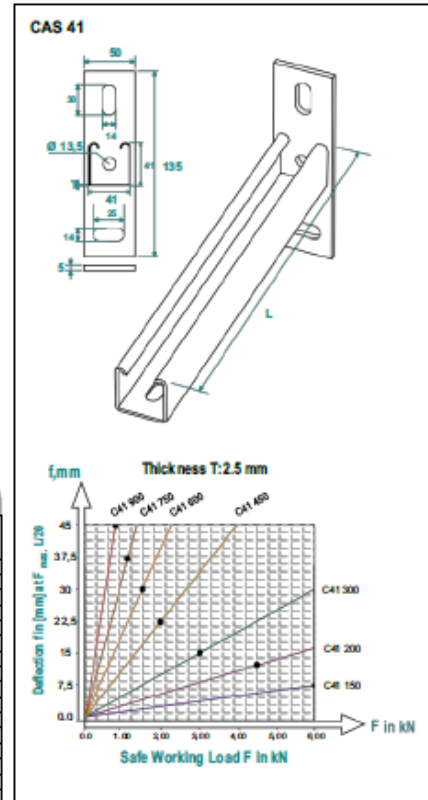
DACROMET - **D**

CANTILEVER ARMS

C Channel 41x41 Bracket



TECHNICAL DATA



| CAS 41 | | | | | CAS 41 | | | | |
|--------------|-------------|-------------|------|----|--------------|-------------|-------------|------|----|
| 2.0mm | | | | | 2.5mm | | | | |
| CODE | Height T mm | Length L mm | kg | PC | CODE | Height T mm | Length L mm | kg | PC |
| CAS 41/100 H | 2.0 | 100 | 0.49 | 1 | CAS 41/100 H | 2.5 | 100 | 0.55 | 1 |
| CAS 41/150 H | 2.0 | 150 | 0.60 | 1 | CAS 41/150 H | 2.5 | 150 | 0.69 | 1 |
| CAS 41/200 H | 2.0 | 200 | 0.71 | 1 | CAS 41/200 H | 2.5 | 200 | 0.82 | 1 |
| CAS 41/250 H | 2.0 | 250 | 0.82 | 1 | CAS 41/250 H | 2.5 | 250 | 0.96 | 1 |
| CAS 41/300 H | 2.0 | 300 | 0.93 | 1 | CAS 41/300 H | 2.5 | 300 | 1.10 | 1 |
| CAS 41/350 H | 2.0 | 350 | 1.04 | 1 | CAS 41/350 H | 2.5 | 350 | 1.24 | 1 |
| CAS 41/400 H | 2.0 | 400 | 1.16 | 1 | CAS 41/400 H | 2.5 | 400 | 1.38 | 1 |
| CAS 41/450 H | 2.0 | 450 | 1.26 | 1 | CAS 41/450 H | 2.5 | 450 | 1.51 | 1 |
| CAS 41/500 H | 2.0 | 500 | 1.37 | 1 | CAS 41/500 H | 2.5 | 500 | 1.65 | 1 |
| CAS 41/550 H | 2.0 | 550 | 1.48 | 1 | CAS 41/550 H | 2.5 | 550 | 1.79 | 1 |
| CAS 41/600 H | 2.0 | 600 | 1.60 | 1 | CAS 41/600 H | 2.5 | 600 | 1.93 | 1 |
| CAS 41/650 H | 2.0 | 650 | 1.70 | 1 | CAS 41/650 H | 2.5 | 650 | 2.06 | 1 |
| CAS 41/700 H | 2.0 | 700 | 1.82 | 1 | CAS 41/700 H | 2.5 | 700 | 2.20 | 1 |
| CAS 41/750 H | 2.0 | 750 | 1.93 | 1 | CAS 41/750 H | 2.5 | 750 | 2.34 | 1 |
| CAS 41/800 H | 2.0 | 800 | 2.03 | 1 | CAS 41/800 H | 2.5 | 800 | 2.47 | 1 |
| CAS 41/900 H | 2.0 | 900 | 2.13 | 1 | CAS 41/900 H | 2.5 | 900 | 2.60 | 1 |

FEATURES & APPLICATIONS

FEATURES

- C-PROFILE WITH SERRATED EDGES – FOR HIGHER PULL-OUT AND SHEAR CAPACITY
- LONG BACK SLOTS – FOR MORE FLEXIBLE ATTACHMENT OPTIONS AND ROUND HOLES FOR OPTIMISED ANCHOR FASTENING
- PRE-MARKED DIMENSIONS – FOR RAPID INSTALLATION, ASSEMBLY AND CUTTING
- VERSATILE AND FLEXIBLE DUE TO MODULAR CHANNEL SYSTEM
- SOUND INSULATION ELEMENTS AVAILABLE FOR ALL MQ INSTALLATION CHANNELS

APPLICATIONS

- RECOMMENDED FOR INSTALLATION IN DRY INTERIORS
- MODULAR SUPPORT SYSTEMS FOR PIPING
- MODULAR SUPPORT SYSTEMS FOR AIR DUCTS AND CABLE TRAYS
- MODULAR SUPPORT SYSTEMS FOR 3D STRUCTURES
- WALL-MOUNTED INSTALLATION

CAS 41/2.0/100H

Product Category (e.g. SC stands for Strut Channels)



AVAILABLE FINISH

HOT-DIP GALVANIZED - **H**
ELECTROPLATED ZINC - **Z**

PRE-GALVANIZED - **PG**
POWDERCOAT - **PC**

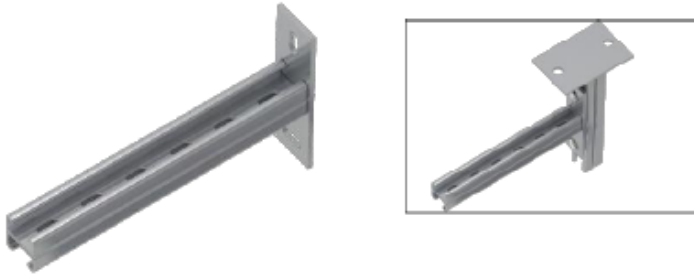
STAINLESS STEEL TYPE 304 - **S4**
STAINLESS STEEL TYPE 316 - **S6**

FRP - **FR**
ALUMINIUM - **AL**

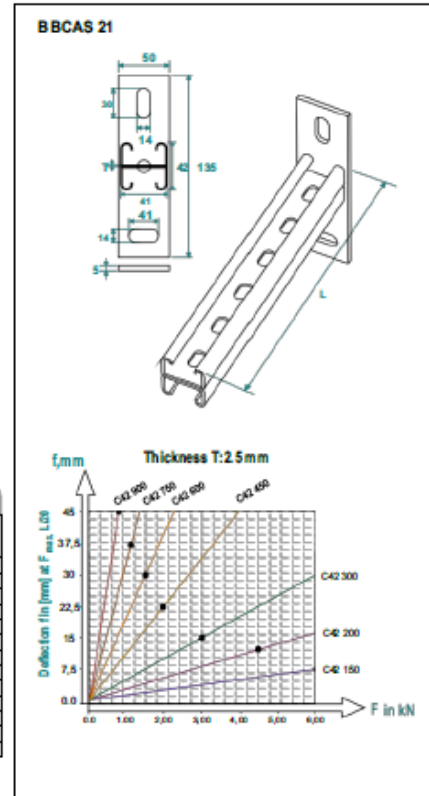
DACROMET - **D**

CANTILEVER ARMS

C Channel 42x41 Bracket



TECHNICAL DATA



FEATURES & APPLICATIONS

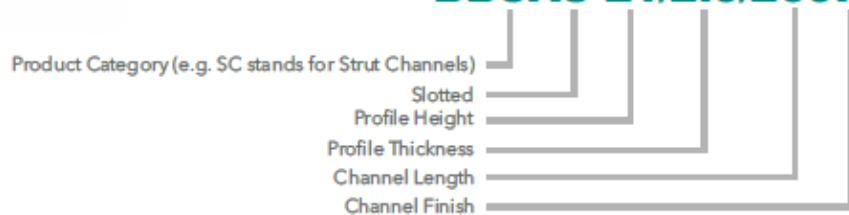
FEATURES

- C-PROFILE WITH SERRATED EDGES – FOR HIGHER PULL-OUT AND SHEAR CAPACITY
- LONG BACK SLOTS – FOR MORE FLEXIBLE ATTACHMENT OPTIONS AND ROUND HOLES FOR OPTIMISED ANCHOR FASTENING
- PRE-MARKED DIMENSIONS – FOR RAPID INSTALLATION, ASSEMBLY AND CUTTING
- VERSATILE AND FLEXIBLE DUE TO MODULAR CHANNEL SYSTEM
- SOUND INSULATION ELEMENTS AVAILABLE FOR ALL MQ INSTALLATION CHANNELS

APPLICATIONS

- RECOMMENDED FOR INSTALLATION IN DRY INTERIORS
- MODULAR SUPPORT SYSTEMS FOR PIPING
- MODULAR SUPPORT SYSTEMS FOR AIR DUCTS AND CABLE TRAYS
- MODULAR SUPPORT SYSTEMS FOR 3D STRUCTURES
- WALL-MOUNTED INSTALLATION

BBCAS 21/2.0/200H



AVAILABLE FINISH

HOT-DIP GALVANIZED - **H**
ELECTROPLATED ZINC - **Z**

PRE-GALVANIZED - **PG**
POWDERCOAT - **PC**

STAINLESS STEEL TYPE 304 - **S4**
STAINLESS STEEL TYPE 316 - **S6**

FRP - **FR**
ALUMINIUM - **AL**

DACROMET - **D**

CANTILEVER ARMS

C Double Channel 83x41 Bracket

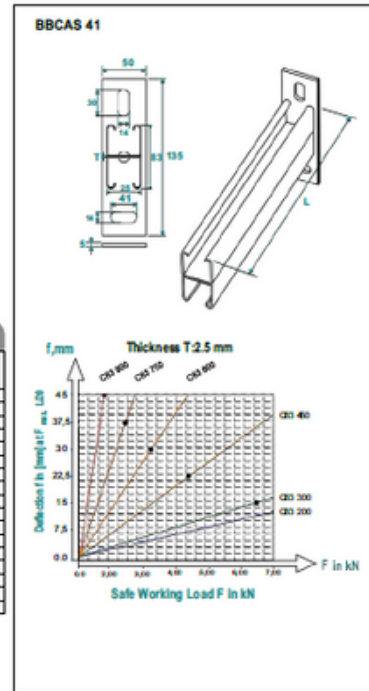


| BBCAS 41 | | 2.0mm | | | |
|-----------------|-------------|-------------|------------|-------------|-------------|
| CODE | Height T mm | Length L mm | Weight 1 m | Weight 1 kg | Weight 1 kg |
| BBCAS 41/200 H | 2.0 | 200 | 1.16 | 1 | |
| BBCAS 41/300 H | 2.0 | 300 | 1.60 | 1 | |
| BBCAS 41/350 H | 2.0 | 350 | 1.81 | 1 | |
| BBCAS 41/400 H | 2.0 | 400 | 2.04 | 1 | |
| BBCAS 41/450 H | 2.0 | 450 | 2.25 | 1 | |
| BBCAS 41/500 H | 2.0 | 500 | 2.47 | 1 | |
| BBCAS 41/550 H | 2.0 | 550 | 2.69 | 1 | |
| BBCAS 41/600 H | 2.0 | 600 | 2.92 | 1 | |
| BBCAS 41/650 H | 2.0 | 650 | 3.13 | 1 | |
| BBCAS 41/700 H | 2.0 | 700 | 3.36 | 1 | |
| BBCAS 41/750 H | 2.0 | 750 | 3.58 | 1 | |
| BBCAS 41/800 H | 2.0 | 800 | 3.79 | 1 | |
| BBCAS 41/850 H | 2.0 | 850 | 4.02 | 1 | |
| BBCAS 41/900 H | 2.0 | 900 | 4.24 | 1 | |
| BBCAS 41/950 H | 2.0 | 950 | 4.46 | 1 | |
| BBCAS 41/1000 H | 2.0 | 1000 | 4.68 | 1 | |
| BBCAS 41/1050 H | 2.0 | 1050 | 4.90 | 1 | |

| BBCAS 41 | | 2.5mm | | | |
|-----------------|-------------|-------------|------------|-------------|-------------|
| CODE | Height T mm | Length L mm | Weight 1 m | Weight 1 kg | Weight 1 kg |
| BBCAS 41/200 H | 2.5 | 200 | 1.38 | 1 | |
| BBCAS 41/300 H | 2.5 | 300 | 1.93 | 1 | |
| BBCAS 41/350 H | 2.5 | 350 | 2.20 | 1 | |
| BBCAS 41/400 H | 2.5 | 400 | 2.48 | 1 | |
| BBCAS 41/450 H | 2.5 | 450 | 2.75 | 1 | |
| BBCAS 41/500 H | 2.5 | 500 | 3.02 | 1 | |
| BBCAS 41/550 H | 2.5 | 550 | 3.30 | 1 | |
| BBCAS 41/600 H | 2.5 | 600 | 3.58 | 1 | |
| BBCAS 41/650 H | 2.5 | 650 | 3.85 | 1 | |
| BBCAS 41/700 H | 2.5 | 700 | 4.13 | 1 | |
| BBCAS 41/750 H | 2.5 | 750 | 4.40 | 1 | |
| BBCAS 41/800 H | 2.5 | 800 | 4.67 | 1 | |
| BBCAS 41/850 H | 2.5 | 850 | 4.95 | 1 | |
| BBCAS 41/900 H | 2.5 | 900 | 5.23 | 1 | |
| BBCAS 41/950 H | 2.5 | 950 | 5.50 | 1 | |
| BBCAS 41/1000 H | 2.5 | 1000 | 5.78 | 1 | |
| BBCAS 41/1050 H | 2.5 | 1050 | 6.05 | 1 | |



TECHNICAL DATA



FEATURES & APPLICATIONS

FEATURES

- C-PROFILE WITH SERRATED EDGES – FOR HIGHER PULL-OUT AND SHEAR CAPACITY
- LONG BACK SLOTS – FOR MORE FLEXIBLE ATTACHMENT OPTIONS AND ROUND HOLES FOR OPTIMISED ANCHOR FASTENING
- PRE-MARKED DIMENSIONS – FOR RAPID INSTALLATION, ASSEMBLY AND CUTTING
- VERSATILE AND FLEXIBLE DUE TO MODULAR CHANNEL SYSTEM
- SOUND INSULATION ELEMENTS AVAILABLE FOR ALL MQ INSTALLATION CHANNELS

APPLICATIONS

- RECOMMENDED FOR INSTALLATION IN DRY INTERIORS
- MODULAR SUPPORT SYSTEMS FOR PIPING
- MODULAR SUPPORT SYSTEMS FOR AIR DUCTS AND CABLE TRAYS
- MODULAR SUPPORT SYSTEMS FOR 3D STRUCTURES
- WALL-MOUNTED INSTALLATION

- Recommended for installation in dry interiors
 - Modular support systems for piping
 - Modular support systems for air ducts and cable trays
 - Modular support systems for 3D structures
 - Wall-mounted installation
- Product Category (e.g. SC stands for Strut Channels)

BBCAS 41/2.5/200H



AVAILABLE FINISH

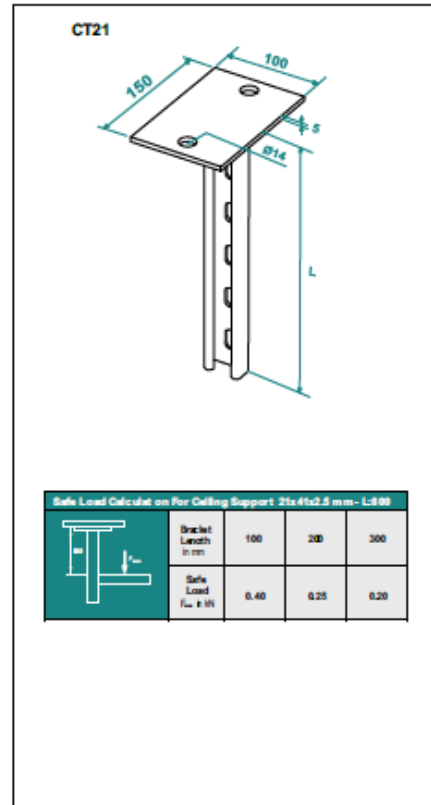
- HOT-DIP GALVANIZED - H
- PRE-GALVANIZED - PG
- STAINLESS STEEL TYPE 304 - S4
- FRP - FR
- DACROMET - D
- ELECTROPLATED ZINC - Z
- POWDERCOAT - PC
- STAINLESS STEEL TYPE 316 - S6
- ALUMINIUM - AL

CANTILEVER ARMS

C Channel Hanging Support 41x21



TECHNICAL DATA



| CT21 | | 2.0mm | | | |
|---------------|----------------|-------------|---------|----|--|
| CODE | Thickness T mm | Length L mm | kg T pc | pc | |
| CT21 025 20 H | 2.0 | 250 | 1.00 | 1 | |
| CT21 030 20 H | 2.0 | 300 | 1.08 | 1 | |
| CT21 040 20 H | 2.0 | 400 | 1.24 | 1 | |
| CT21 050 20 H | 2.0 | 500 | 1.40 | 1 | |
| CT21 060 20 H | 2.0 | 600 | 1.56 | 1 | |
| CT21 070 20 H | 2.0 | 700 | 1.72 | 1 | |
| CT21 075 20 H | 2.0 | 750 | 1.80 | 1 | |
| CT21 080 20 H | 2.0 | 800 | 1.88 | 1 | |
| CT21 100 20 H | 2.0 | 1000 | 2.20 | 1 | |
| CT21 125 20 H | 2.0 | 1250 | 2.80 | 1 | |
| CT21 150 20 H | 2.0 | 1500 | 3.00 | 1 | |

| CT21 | | 2.5mm | | | |
|---------------|----------------|-------------|---------|----|--|
| CODE | Thickness T mm | Length L mm | kg T pc | pc | |
| CT21 025 25 H | 2.5 | 250 | 1.10 | 1 | |
| CT21 030 25 H | 2.5 | 300 | 1.20 | 1 | |
| CT21 040 25 H | 2.5 | 400 | 1.40 | 1 | |
| CT21 050 25 H | 2.5 | 500 | 1.80 | 1 | |
| CT21 060 25 H | 2.5 | 600 | 1.80 | 1 | |
| CT21 070 25 H | 2.5 | 700 | 2.00 | 1 | |
| CT21 075 25 H | 2.5 | 750 | 2.10 | 1 | |
| CT21 080 25 H | 2.5 | 800 | 2.20 | 1 | |
| CT21 100 25 H | 2.5 | 1000 | 2.80 | 1 | |
| CT21 125 25 H | 2.5 | 1250 | 3.10 | 1 | |
| CT21 150 25 H | 2.5 | 1500 | 3.80 | 1 | |

| Safe Load Calculation For Ceiling Support 21x41x2.5 mm - L818 | | | | |
|---|----------------------|------|------|------|
| | Bracket Length in mm | 100 | 200 | 300 |
| | Safe Load (kN ± 10%) | 0.40 | 0.25 | 0.20 |

FEATURES & APPLICATIONS

FEATURES

- C-PROFILE WITH SERRATED EDGES – FOR HIGHER PULL-OUT AND SHEAR CAPACITY
- LONG BACK SLOTS – FOR MORE FLEXIBLE ATTACHMENT OPTIONS AND ROUND HOLES FOR OPTIMISED ANCHOR FASTENING
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APPLICATIONS

- RECOMMENDED FOR INSTALLATION IN DRY INTERIORS
- MODULAR SUPPORT SYSTEMS FOR PIPING
- MODULAR SUPPORT SYSTEMS FOR AIR DUCTS AND CABLE TRAYS
- MODULAR SUPPORT SYSTEMS FOR 3D STRUCTURES
- WALL-MOUNTED INSTALLATION

CT 21/2.0/250H

Product Category (e.g. SC stands for Strut Channels) _____
 Profile Height _____
 Profile Thickness _____
 Channel Length _____
 Channel Finish _____

AVAILABLE FINISH

HOT-DIP GALVANIZED - **H**
 ELECTROPLATED ZINC - **Z**

PRE-GALVANIZED - **PG**
 POWDERCOAT - **PC**

STAINLESS STEEL TYPE 304 - **S4**
 STAINLESS STEEL TYPE 316 - **S6**

FRP - **FR**
 ALUMINIUM - **AL**

DACROMET - **D**

CANTILEVER ARMS

C Channel Hanging Support 41x41



TECHNICAL DATA

CT41

Slotted Surface

| Bracket Length (mm) | Safe Load (F _{act} in kN) | | | | | |
|---------------------|------------------------------------|------|------|------|------|------|
| | 100 | 200 | 300 | 400 | 500 | 600 |
| 100 | 1.20 | 1.43 | 1.70 | 1.98 | 2.25 | 2.88 |
| 200 | 1.20 | 1.43 | 1.70 | 1.98 | 2.25 | 2.88 |
| 300 | 1.20 | 1.43 | 1.70 | 1.98 | 2.25 | 2.88 |
| 400 | 1.20 | 1.43 | 1.70 | 1.98 | 2.25 | 2.88 |
| 500 | 1.20 | 1.43 | 1.70 | 1.98 | 2.25 | 2.88 |
| 600 | 1.20 | 1.43 | 1.70 | 1.98 | 2.25 | 2.88 |

| CT41 | | 2.0mm | | |
|---------------|------------------|---------------|-------------|----|
| CODE | Thickness T (mm) | Length L (mm) | Weight (kg) | PC |
| CT41 025 20 H | 2.0 | 250 | 1.15 | 1 |
| CT41 030 20 H | 2.0 | 300 | 1.28 | 1 |
| CT41 040 20 H | 2.0 | 400 | 1.48 | 1 |
| CT41 050 20 H | 2.0 | 500 | 1.70 | 1 |
| CT41 060 20 H | 2.0 | 600 | 1.92 | 1 |
| CT41 075 20 H | 2.0 | 750 | 2.25 | 1 |
| CT41 080 20 H | 2.0 | 800 | 2.38 | 1 |
| CT41 090 20 H | 2.0 | 900 | 2.58 | 1 |
| CT41 100 20 H | 2.0 | 1000 | 2.80 | 1 |
| CT41 110 20 H | 2.0 | 1100 | 3.02 | 1 |
| CT41 120 20 H | 2.0 | 1200 | 3.24 | 1 |
| CT41 125 20 H | 2.0 | 1250 | 3.35 | 1 |
| CT41 150 20 H | 2.0 | 1500 | 3.90 | 1 |
| CT41 180 20 H | 2.0 | 1800 | 4.12 | 1 |
| CT41 170 20 H | 2.0 | 1700 | 4.34 | 1 |
| CT41 175 20 H | 2.0 | 1750 | 4.45 | 1 |
| CT41 180 20 H | 2.0 | 1800 | 4.58 | 1 |
| CT41 190 20 H | 2.0 | 1900 | 4.78 | 1 |
| CT41 200 20 H | 2.0 | 2000 | 5.00 | 1 |

| CT41 | | 2.5mm | | |
|---------------|------------------|---------------|-------------|----|
| CODE | Thickness T (mm) | Length L (mm) | Weight (kg) | PC |
| CT41 025 25 H | 2.5 | 250 | 1.29 | 1 |
| CT41 030 25 H | 2.5 | 300 | 1.43 | 1 |
| CT41 040 25 H | 2.5 | 400 | 1.70 | 1 |
| CT41 050 25 H | 2.5 | 500 | 1.98 | 1 |
| CT41 060 25 H | 2.5 | 600 | 2.25 | 1 |
| CT41 075 25 H | 2.5 | 750 | 2.88 | 1 |
| CT41 080 25 H | 2.5 | 800 | 2.80 | 1 |
| CT41 090 25 H | 2.5 | 900 | 3.08 | 1 |
| CT41 100 25 H | 2.5 | 1000 | 3.35 | 1 |
| CT41 110 25 H | 2.5 | 1100 | 3.63 | 1 |
| CT41 120 25 H | 2.5 | 1200 | 3.90 | 1 |
| CT41 125 25 H | 2.5 | 1250 | 4.04 | 1 |
| CT41 150 25 H | 2.5 | 1500 | 4.73 | 1 |
| CT41 180 25 H | 2.5 | 1800 | 5.00 | 1 |
| CT41 170 25 H | 2.5 | 1700 | 5.28 | 1 |
| CT41 175 25 H | 2.5 | 1750 | 5.41 | 1 |
| CT41 180 25 H | 2.5 | 1800 | 5.55 | 1 |
| CT41 190 25 H | 2.5 | 1900 | 5.83 | 1 |
| CT41 200 25 H | 2.5 | 2000 | 6.10 | 1 |

FEATURES & APPLICATIONS

FEATURES

- C-PROFILE WITH SERRATED EDGES – FOR HIGHER PULL-OUT AND SHEAR CAPACITY
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- VERSATILE AND FLEXIBLE DUE TO MODULAR CHANNEL SYSTEM
- SOUND INSULATION ELEMENTS AVAILABLE FOR ALL MQ INSTALLATION CHANNELS

APPLICATIONS

- RECOMMENDED FOR INSTALLATION IN DRY INTERIORS
- MODULAR SUPPORT SYSTEMS FOR PIPING
- MODULAR SUPPORT SYSTEMS FOR AIR DUCTS AND CABLE TRAYS
- MODULAR SUPPORT SYSTEMS FOR 3D STRUCTURES
- WALL-MOUNTED INSTALLATION

CT 41/2.0/250H



AVAILABLE FINISH

HOT-DIP GALVANIZED - **H**
ELECTROPLATED ZINC - **Z**

PRE-GALVANIZED - **PG**
POWDERCOAT - **PC**

STAINLESS STEEL TYPE 304 - **S4**
STAINLESS STEEL TYPE 316 - **S6**

FRP - **FR**
ALUMINIUM - **AL**

DACROMET - **D**

CANTILEVER ARMS

C Channel Hanging Support 41x21



TECHNICAL DATA

CT42

| Bracket Length in mm | Safe Load (kg) | | | | | |
|----------------------|----------------|------|------|------|------|------|
| | 100 | 200 | 300 | 400 | 500 | 600 |
| 100 | 1.80 | 1.50 | 1.20 | 1.00 | 0.80 | 0.80 |
| 200 | 2.00 | 2.30 | 2.00 | 1.80 | 1.60 | 1.40 |

| CT42 | | 2.0mm | | CT42 | | 2.5mm | | | |
|---------------|-------------|-------------|------------------|------------------|---------------|-------------|-------------|------------------|------------------|
| CODE | Height T mm | Length L mm | Weight (kg) 1 pc | Weight (kg) 1 pc | CODE | Height T mm | Length L mm | Weight (kg) 1 pc | Weight (kg) 1 pc |
| CT42 050 20 H | 2.0 | 500 | 2.20 | 1 | CT42 050 25 H | 2.5 | 500 | 2.80 | 1 |
| CT42 060 20 H | 2.0 | 600 | 2.52 | 1 | CT42 060 25 H | 2.5 | 600 | 3.00 | 1 |
| CT42 075 20 H | 2.0 | 750 | 3.00 | 1 | CT42 075 25 H | 2.5 | 750 | 3.60 | 1 |
| CT42 080 20 H | 2.0 | 800 | 3.18 | 1 | CT42 080 25 H | 2.5 | 800 | 3.80 | 1 |
| CT42 100 20 H | 2.0 | 1000 | 3.80 | 1 | CT42 100 25 H | 2.5 | 1000 | 4.80 | 1 |
| CT42 120 20 H | 2.0 | 1200 | 4.44 | 1 | CT42 120 25 H | 2.5 | 1200 | 5.40 | 1 |
| CT42 125 20 H | 2.0 | 1250 | 4.60 | 1 | CT42 125 25 H | 2.5 | 1250 | 5.60 | 1 |
| CT42 150 20 H | 2.0 | 1500 | 5.40 | 1 | CT42 150 25 H | 2.5 | 1500 | 6.60 | 1 |
| CT42 180 20 H | 2.0 | 1800 | 6.30 | 1 | CT42 180 25 H | 2.5 | 1800 | 7.80 | 1 |
| CT42 175 20 H | 2.0 | 1750 | 6.20 | 1 | CT42 175 25 H | 2.5 | 1750 | 7.60 | 1 |
| CT42 180 20 H | 2.0 | 1800 | 6.38 | 1 | CT42 180 25 H | 2.5 | 1800 | 7.80 | 1 |
| CT42 200 20 H | 2.0 | 2000 | 7.00 | 1 | CT42 200 25 H | 2.5 | 2000 | 8.60 | 1 |

FEATURES & APPLICATIONS

FEATURES

- C-PROFILE WITH SERRATED EDGES – FOR HIGHER PULL-OUT AND SHEAR CAPACITY
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- PRE-MARKED DIMENSIONS – FOR RAPID INSTALLATION, ASSEMBLY AND CUTTING
- VERSATILE AND FLEXIBLE DUE TO MODULAR CHANNEL SYSTEM
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APPLICATIONS

- RECOMMENDED FOR INSTALLATION IN DRY INTERIORS
- MODULAR SUPPORT SYSTEMS FOR PIPING
- MODULAR SUPPORT SYSTEMS FOR AIR DUCTS AND CABLE TRAYS
- MODULAR SUPPORT SYSTEMS FOR 3D STRUCTURES
- WALL-MOUNTED INSTALLATION

CT42 050 20 H

Product Category (e.g. SC stands for Strut Channels) _____
 Profile Height _____
 Profile Thickness _____
 Channel Length _____
 Channel Finish _____

AVAILABLE FINISH

HOT-DIP GALVANIZED - **H** PRE-GALVANIZED - **PG** STAINLESS STEEL TYPE 304 - **S4** FRP - **FR** DACROMET - **D**
 ELECTROPLATED ZINC - **Z** POWDERCOAT - **PC** STAINLESS STEEL TYPE 316 - **S6** ALUMINIUM - **AL**

CANTILEVER ARMS

C Channel Hanging Support 41x21



TECHNICAL DATA

CT83

150 150 5 L

Slotted Surface

| Bracket Length in mm | Safe Load F_{ax} in kN | | | | | | |
|----------------------|--------------------------|--------------------------|------|------|------|------|------|
| | 100 | 200 | 300 | 400 | 500 | 600 | |
| Bracket Length in mm | Safe Load F_{ax} in kN | | | | | | |
| | 2.10 | 1.80 | 1.60 | 1.40 | 1.20 | 1.10 | |
| | Bracket Length in mm | Safe Load F_{ax} in kN | | | | | |
| | | 2.90 | 2.50 | 2.00 | 1.90 | 1.70 | 1.50 |
| | | 3.70 | 3.20 | 2.50 | 2.20 | 2.00 | 1.80 |
| | | 4.50 | 3.90 | 3.00 | 2.70 | 2.50 | 2.30 |
| 5.30 | | 4.60 | 3.50 | 3.20 | 3.00 | 2.80 | |
| 6.10 | 5.30 | 4.00 | 3.70 | 3.50 | 3.30 | | |

| CT83 | | 2.0mm | | 1 PC | |
|-----------------|----------------|-------------|-------|------|--|
| code | Thickness T mm | Length L mm | | | |
| CT83 050 20 HDG | 2.0 | 500 | 2.80 | 1 | |
| CT83 060 20 HDG | 2.0 | 600 | 3.24 | 1 | |
| CT83 070 20 HDG | 2.0 | 700 | 3.68 | 1 | |
| CT83 075 20 HDG | 2.0 | 750 | 3.90 | 1 | |
| CT83 080 20 HDG | 2.0 | 800 | 4.12 | 1 | |
| CT83 090 20 HDG | 2.0 | 900 | 4.56 | 1 | |
| CT83 100 20 HDG | 2.0 | 1000 | 5.00 | 1 | |
| CT83 110 20 HDG | 2.0 | 1100 | 5.44 | 1 | |
| CT83 120 20 HDG | 2.0 | 1200 | 5.88 | 1 | |
| CT83 125 20 HDG | 2.0 | 1250 | 6.10 | 1 | |
| CT83 130 20 HDG | 2.0 | 1300 | 6.32 | 1 | |
| CT83 140 20 HDG | 2.0 | 1400 | 6.76 | 1 | |
| CT83 150 20 HDG | 2.0 | 1500 | 7.20 | 1 | |
| CT83 160 20 HDG | 2.0 | 1600 | 7.64 | 1 | |
| CT83 170 20 HDG | 2.0 | 1700 | 8.08 | 1 | |
| CT83 175 20 HDG | 2.0 | 1750 | 8.30 | 1 | |
| CT83 180 20 HDG | 2.0 | 1800 | 8.52 | 1 | |
| CT83 190 20 HDG | 2.0 | 1900 | 8.96 | 1 | |
| CT83 200 20 HDG | 2.0 | 2000 | 9.40 | 1 | |
| CT83 220 20 HDG | 2.0 | 2200 | 10.28 | 1 | |
| CT83 250 20 HDG | 2.0 | 2500 | 11.60 | 1 | |

| CT83 | | 2.5mm | | 1 PC | |
|-----------------|----------------|-------------|-------|------|--|
| code | Thickness T mm | Length L mm | | | |
| CT83 050 25 HDG | 2.5 | 500 | 3.35 | 1 | |
| CT83 060 25 HDG | 2.5 | 600 | 3.90 | 1 | |
| CT83 070 25 HDG | 2.5 | 700 | 4.45 | 1 | |
| CT83 075 25 HDG | 2.5 | 750 | 4.73 | 1 | |
| CT83 080 25 HDG | 2.5 | 800 | 5.00 | 1 | |
| CT83 090 25 HDG | 2.5 | 900 | 5.55 | 1 | |
| CT83 100 25 HDG | 2.5 | 1000 | 6.10 | 1 | |
| CT83 110 25 HDG | 2.5 | 1100 | 6.65 | 1 | |
| CT83 120 25 HDG | 2.5 | 1200 | 7.20 | 1 | |
| CT83 125 25 HDG | 2.5 | 1250 | 7.48 | 1 | |
| CT83 130 25 HDG | 2.5 | 1300 | 7.75 | 1 | |
| CT83 140 25 HDG | 2.5 | 1400 | 8.30 | 1 | |
| CT83 150 25 HDG | 2.5 | 1500 | 8.85 | 1 | |
| CT83 160 25 HDG | 2.5 | 1600 | 9.40 | 1 | |
| CT83 170 25 HDG | 2.5 | 1700 | 9.95 | 1 | |
| CT83 175 25 HDG | 2.5 | 1750 | 10.23 | 1 | |
| CT83 180 25 HDG | 2.5 | 1800 | 10.50 | 1 | |
| CT83 190 25 HDG | 2.5 | 1900 | 11.05 | 1 | |
| CT83 200 25 HDG | 2.5 | 2000 | 11.60 | 1 | |
| CT83 220 25 HDG | 2.5 | 2200 | 12.70 | 1 | |
| CT83 250 25 HDG | 2.5 | 2500 | 14.35 | 1 | |

FEATURES & APPLICATIONS

FEATURES

- C-PROFILE WITH SERRATED EDGES – FOR HIGHER PULL-OUT AND SHEAR CAPACITY
- LONG BACK SLOTS – FOR MORE FLEXIBLE ATTACHMENT OPTIONS AND ROUND HOLES FOR OPTIMISED ANCHOR FASTENING
- PRE-MARKED DIMENSIONS – FOR RAPID INSTALLATION, ASSEMBLY AND CUTTING
- VERSATILE AND FLEXIBLE DUE TO MODULAR CHANNEL SYSTEM
- SOUND INSULATION ELEMENTS AVAILABLE FOR ALL MQ INSTALLATION CHANNELS

APPLICATIONS

- RECOMMENDED FOR INSTALLATION IN DRY INTERIORS
- MODULAR SUPPORT SYSTEMS FOR PIPING
- MODULAR SUPPORT SYSTEMS FOR AIR DUCTS AND CABLE TRAYS
- MODULAR SUPPORT SYSTEMS FOR 3D STRUCTURES
- WALL-MOUNTED INSTALLATION

CT42 050 20 H

Product Category (e.g. SC stands for Strut Channels) _____

Profile Height _____

Profile Thickness _____

Channel Length _____

Channel Finish _____

AVAILABLE FINISH

HOT-DIP GALVANIZED - **H**
ELECTROPLATED ZINC - **Z**

PRE-GALVANIZED - **PG**
POWDERCOAT - **PC**

STAINLESS STEEL TYPE 304 - **S4**
STAINLESS STEEL TYPE 316 - **S6**

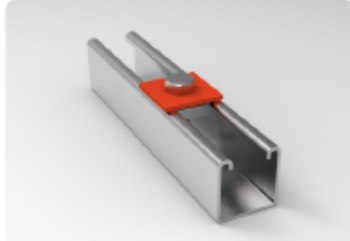
FRP - **FR**
ALUMINIUM - **AL**

DACROMET - **D**

FLAT FITTINGS & BRACKETS

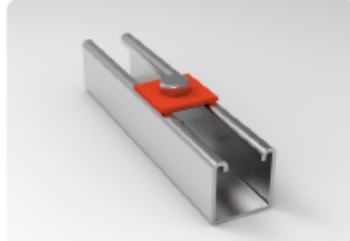
C Channel Flat Fitting

SQUARE WASHER



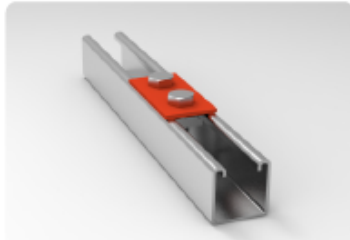
| SSS 01 | | 6.0mm | | | |
|-----------|-----------------|-----------------|-------------|-----|--|
| CODE | Size Sb, Bmm | Hole D mm | ACQ 1 pc | PCB | |
| SSS 01/12 | 40x40 | 14 | 0.083 | 1 | |
| SSS 01/10 | 40x40 | 11 | 0.083 | 1 | |
| SSS 01/8 | 40x40 | 9 | 0.083 | 1 | |

SQUARE WASHER



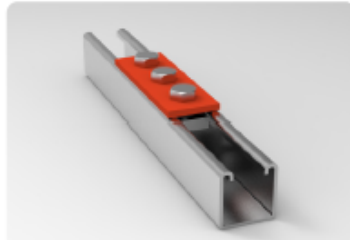
| SQ | | 3.0mm | | | |
|-------|-----------------|-----------------|-------------|-----|--|
| CODE | Size Sb, Bmm | Hole D mm | ACQ 1 pc | PCB | |
| SQ 12 | 32x32 | 14 | 0.029 | 1 | |
| SQ 10 | 32x32 | 11 | 0.029 | 1 | |
| SQ 8 | 32x32 | 9 | 0.029 | 1 | |

2 HOLE FLAT PLATE



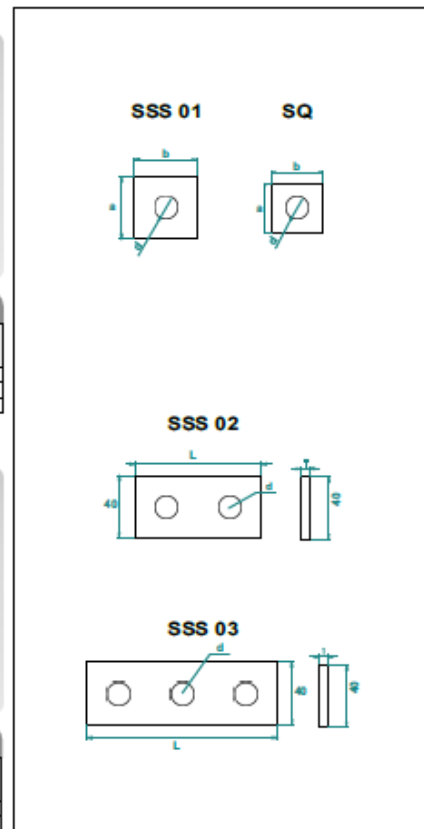
| SSS 02 | | Length L mm | Thickness T mm | ACQ 1 pc | PCB |
|----------|----|-------------------|----------------------|-------------|-----|
| SSS 02 | 80 | 5 | 0.126 | 1 | |
| SSS 02/6 | 88 | 6 | 0.166 | 1 | |

3 HOLE FLAT PLATE



| SSS 03 | | Length L mm | Thickness T mm | ACQ 1 pc | PCB |
|----------|-----|-------------------|----------------------|-------------|-----|
| SSS 03 | 120 | 5 | 0.188 | 1 | |
| SSS 03/6 | 136 | 6 | 0.256 | 1 | |

TECHNICAL DATA



FEATURES & APPLICATIONS

FEATURES

- C-PROFILE WITH SERRATED EDGES – FOR HIGHER PULL-OUT AND SHEAR CAPACITY
- LONG BACK SLOTS – FOR MORE FLEXIBLE ATTACHMENT OPTIONS AND ROUND HOLES FOR OPTIMISED ANCHOR FASTENING
- PRE-MARKED DIMENSIONS – FOR RAPID INSTALLATION, ASSEMBLY AND CUTTING
- VERSATILE AND FLEXIBLE DUE TO MODULAR CHANNEL SYSTEM
- SOUND INSULATION ELEMENTS AVAILABLE FOR ALL MQ INSTALLATION CHANNELS

APPLICATIONS

- RECOMMENDED FOR INSTALLATION IN DRY INTERIORS
- MODULAR SUPPORT SYSTEMS FOR PIPING
- MODULAR SUPPORT SYSTEMS FOR AIR DUCTS AND CABLE TRAYS
- MODULAR SUPPORT SYSTEMS FOR 3D STRUCTURES
- WALL-MOUNTED INSTALLATION

AVAILABLE FINISH

HOT-DIP GALVANIZED - **H**
ELECTROPLATED ZINC - **Z**

PRE-GALVANIZED - **PG**
POWDERCOAT - **PC**

STAINLESS STEEL TYPE 304 - **S4**
STAINLESS STEEL TYPE 316 - **S6**

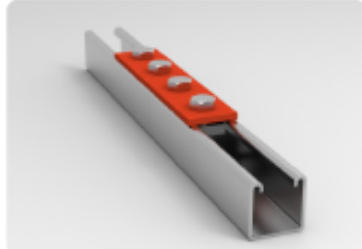
FRP - **FR**
ALUMINIUM - **AL**

DACROMET - **D**

FLAT FITTINGS & BRACKETS

C Channel Flat Fitting

4 HOLE FLAT PLATE



| SSS 04 | | | | | |
|----------|-------------|----------------|-------|--------|--|
| CODE | Length L mm | Thickness T mm | kg/pk | pk/box | |
| SSS 04 | 160 | 5 | 0.251 | 1 | |
| SSS 04/6 | 164 | 6 | 0.347 | 1 | |

5 HOLE FLAT PLATE



| SSS 05 | | | | | |
|----------|-------------|----------------|-------|--------|--|
| CODE | Length L mm | Thickness T mm | kg/pk | pk/box | |
| SSS 05 | 200 | 5 | 0.314 | 1 | |
| SSS 05/6 | 202 | 6 | 0.437 | 1 | |

3 HOLE L BRACKET



| SSS 06 | | | | | |
|----------|---------------|----------------|-------|--------|--|
| CODE | Length a-b mm | Thickness T mm | kg/pk | pk/box | |
| SSS 06 | 80x80 | 5 | 0.188 | 1 | |
| SSS 06/6 | 90x90 | 6 | 0.270 | 1 | |

4 HOLE T BRACKET



| SSS 07 | | | | | |
|----------|-------------|----------------|-------|--------|--|
| CODE | Size a-b mm | Thickness T mm | kg/pk | pk/box | |
| SSS 07 | 120x80 | 5 | 0.251 | 1 | |
| SSS 07/6 | 135x90 | 6 | 0.360 | 1 | |

4 WAY CROSS PLATE FLAT BRACKET



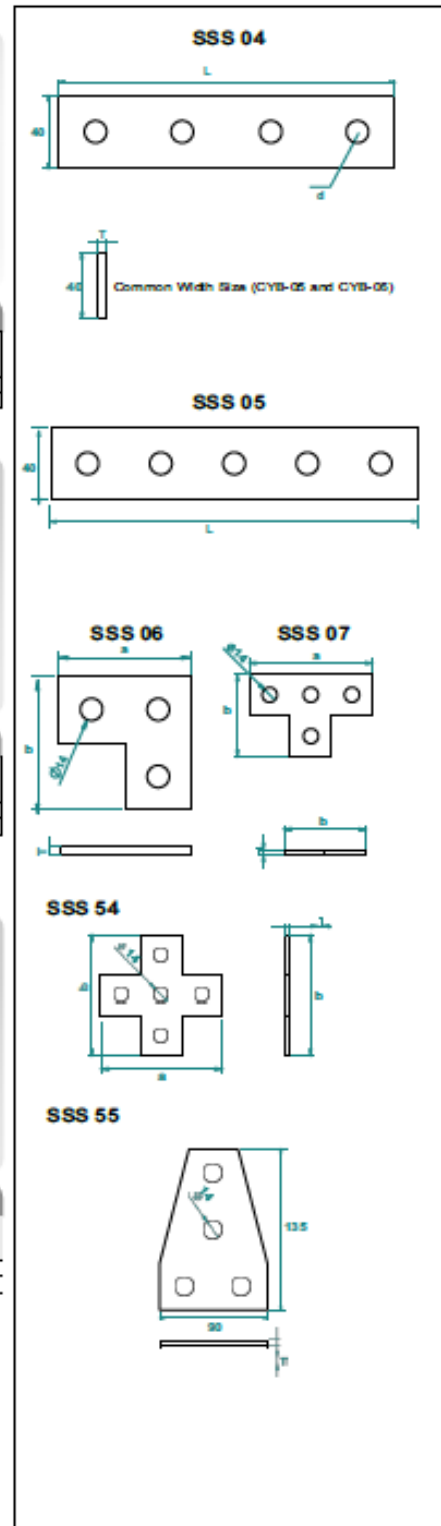
| SSS 54 | | | | | |
|----------|-------------|----------------|-------|--------|--|
| CODE | Size a-b mm | Thickness T mm | kg/pk | pk/box | |
| SSS 54 | 120x120 | 5 | 0.340 | 1 | |
| SSS 54/6 | 135x135 | 6 | 0.470 | 1 | |

4 HOLE V PLATE FLAT BRACKET



| SSS 55 | | | | | |
|----------|---------|----------------|-------|--------|--|
| CODE | Size mm | Thickness T mm | kg/pk | pk/box | |
| SSS 55 | 135x90 | 5 | 0.392 | 1 | |
| SSS 55/6 | 135x90 | 6 | 0.470 | 1 | |

TECHNICAL DATA



AVAILABLE FINISH

HOT-DIP GALVANIZED - **H**
ELECTROLYTIC ZINC - **Z**

PRE-GALVANIZED - **PG**
POWDER COAT - **PC**

STAINLESS STEEL TYPE 304 - **S4**
STAINLESS STEEL TYPE 316 - **S6**

FRP - **FR**
ALUMINIUM - **Al**

DACROMET - **D**

FLAT FITTINGS & BRACKETS

C Channel Flat Fitting

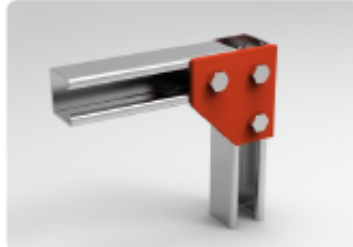
4 HOLE PLATE FLAT BRACKET



SSS 56

| CODE | Size mm | Thickness T mm | Weight 1 pc | 1 pc |
|----------|---------|----------------|-------------|------|
| SSS 56 | 135x90 | 5 | 0.392 | 1 |
| SSS 56/6 | 135x90 | 6 | 0.470 | 1 |

3 HOLE GUSSET PLATE



SSS 66

| CODE | Size mm | Thickness T mm | Weight 1 pc | 1 pc |
|----------|---------|----------------|-------------|------|
| SSS 66 | 90x90 | 5 | 0.267 | 1 |
| SSS 66/6 | 90x90 | 6 | 0.320 | 1 |

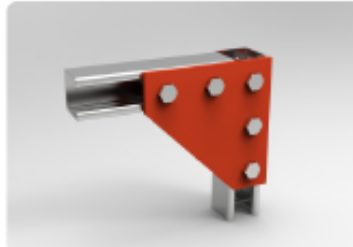
4 HOLE GUSSET PLATE



SSS 67

| CODE | Size mm | Thickness T mm | Weight 1 pc | 1 pc |
|----------|---------|----------------|-------------|------|
| SSS 67 | 135x90 | 5 | 0.392 | 1 |
| SSS 67/6 | 135x90 | 6 | 0.470 | 1 |

5 HOLE GUSSET PLATE



SSS 68

| CODE | Size mm | Thickness T mm | Weight 1 pc | 1 pc |
|----------|---------|----------------|-------------|------|
| SSS 68 | 135x135 | 5 | 0.567 | 1 |
| SSS 68/6 | 135x135 | 6 | 0.680 | 1 |

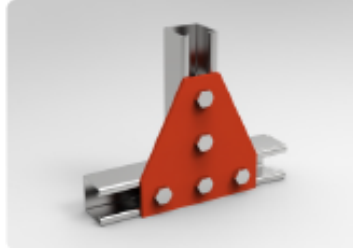
3 HOLE GUSSET 'T' PLATE



SSS 69

| CODE | Size mm | Thickness T mm | Weight 1 pc | 1 pc |
|----------|---------|----------------|-------------|------|
| SSS 69 | 90x90 | 5 | 0.267 | 1 |
| SSS 69/6 | 90x90 | 6 | 0.320 | 1 |

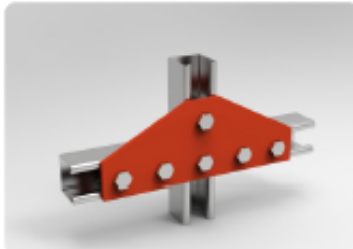
5 HOLE GUSSET 'T' PLATE



SSS 70

| CODE | Size mm | Thickness T mm | Weight 1 pc | 1 pc |
|----------|---------|----------------|-------------|------|
| SSS 70 | 135x135 | 5 | 0.725 | 1 |
| SSS 70/6 | 135x135 | 6 | 0.870 | 1 |

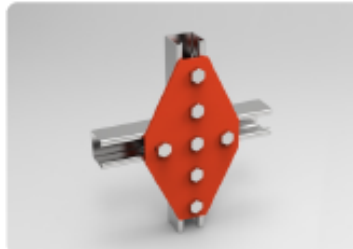
6 HOLE GUSSET 'T' PLATE



SSS 71

| CODE | Size mm | Thickness T mm | Weight 1 pc | 1 pc |
|----------|---------|----------------|-------------|------|
| SSS 71 | 232x90 | 5 | 0.667 | 1 |
| SSS 71/6 | 232x90 | 6 | 0.800 | 1 |

7 HOLE GUSSET 'T' PLATE

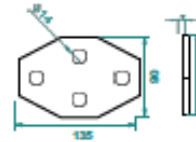


SSS 72

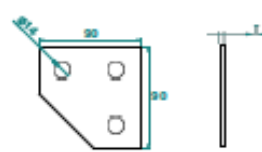
| CODE | Size mm | Thickness T mm | Weight 1 pc | 1 pc |
|----------|---------|----------------|-------------|------|
| SSS 72 | 232x90 | 5 | 0.960 | 1 |
| SSS 72/6 | 232x90 | 6 | 1.190 | 1 |

TECHNICAL DATA

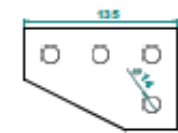
SSS 56



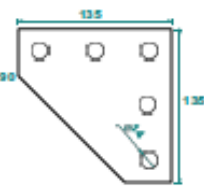
SSS 66



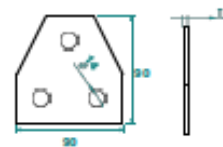
SSS 67



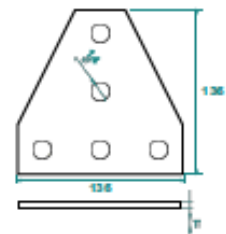
SSS 68



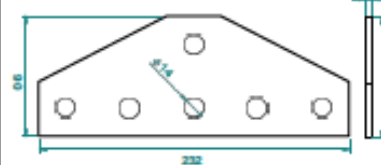
SSS 69



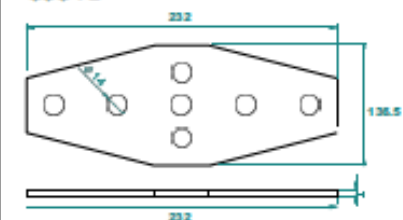
SSS 70



SSS 71



SSS 72



FLAT FITTINGS & BRACKETS

T BEND LEFT HAND



T BEND RIGHT HAND



SSS 7L

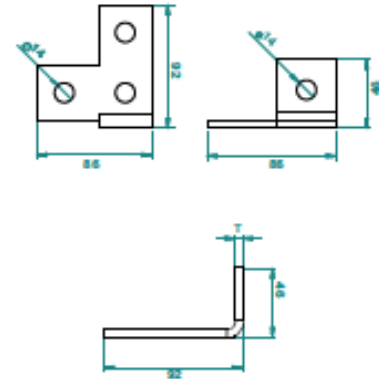
| CODE | Size øL mm mm | Thickness T mm | Material | 1 pc | 1 |
|--------|---------------------|----------------------|----------|------|---|
| SSS 7L | 90x90 | 5 | 3.360 | 1 | |

SSS 7R

| CODE | Size øL mm mm | Thickness T mm | Material | 1 pc | 1 |
|--------|---------------------|----------------------|----------|------|---|
| SSS 7R | 90x90 | 5 | 3.360 | 1 | |

TECHNICAL DATA

SSS 7L (Symmetrical Parts)



FLAT FITTINGS & BRACKETS

C Channel Angle Fitting

2 HOLE ANGLE BRACKET



| SSS 08 | | | | | |
|----------|---------|----------------|---------|--------|---------|
| CODE | Size mm | Thickness T mm | kg/1 pc | kg/box | pcs/box |
| SSS 08 | 50x47 | 5 | 0.140 | | 1 |
| SSS 08/6 | 50x47 | 6 | 0.170 | | 1 |

2 HOLE ANGLE BRACKET



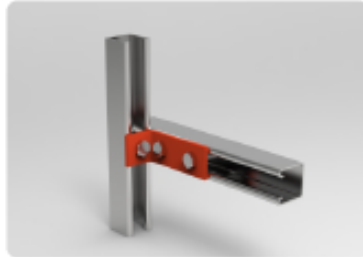
| SSS 09 | | | | | |
|----------|---------|----------------|---------|--------|---------|
| CODE | Size mm | Thickness T mm | kg/1 pc | kg/box | pcs/box |
| SSS 09 | 47x52 | 5 | 0.140 | | 1 |
| SSS 09/6 | 47x52 | 6 | 0.170 | | 1 |

3 HOLE ANGLE BRACKET



| SSS 10 | | | | | |
|----------|---------|----------------|---------|--------|---------|
| CODE | Size mm | Thickness T mm | kg/1 pc | kg/box | pcs/box |
| SSS 10 | 47x98 | 5 | 0.230 | | 1 |
| SSS 10/6 | 47x98 | 6 | 0.260 | | 1 |

3 HOLE ANGLE BRACKET



| SSS 11 | | | | | |
|----------|---------|----------------|---------|--------|---------|
| CODE | Size mm | Thickness T mm | kg/1 pc | kg/box | pcs/box |
| SSS 11 | 41x104 | 5 | 0.230 | | 1 |
| SSS 11/6 | 41x104 | 6 | 0.270 | | 1 |

3 HOLE OFFSET BRACKET



| SSS 12 | | | | | |
|----------|---------|----------------|---------|--------|---------|
| CODE | Size mm | Thickness T mm | kg/1 pc | kg/box | pcs/box |
| SSS 12 | 89x56 | 5 | 0.230 | | 1 |
| SSS 12/6 | 89x56 | 6 | 0.260 | | 1 |

4 HOLE ANGLE BRACKET



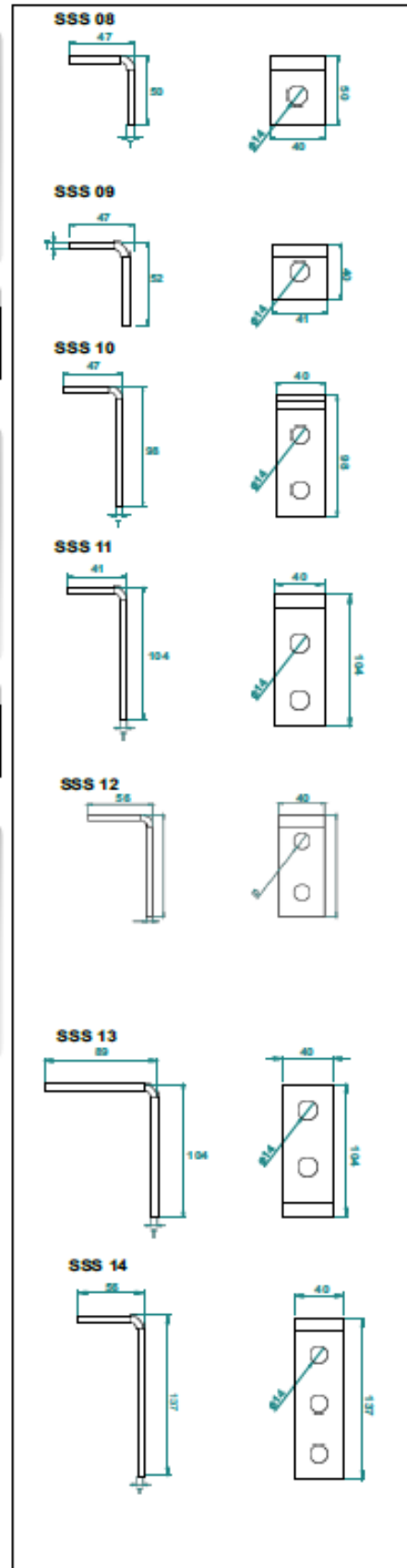
| SSS 13 | | | | | |
|----------|---------|----------------|---------|--------|---------|
| CODE | Size mm | Thickness T mm | kg/1 pc | kg/box | pcs/box |
| SSS 13 | 89x104 | 5 | 0.320 | | 1 |
| SSS 13/6 | 89x104 | 6 | 0.400 | | 1 |

3+1 HOLE ANGLE BRACKET



| SSS 14 | | | | | |
|----------|---------|----------------|---------|--------|---------|
| CODE | Size mm | Thickness T mm | kg/1 pc | kg/box | pcs/box |
| SSS 14 | 96x137 | 5 | 0.320 | | 1 |
| SSS 14/6 | 96x137 | 6 | 0.390 | | 1 |

TECHNICAL DATA



FLAT FITTINGS & BRACKETS

C Channel Angle Fitting

T' BEND LEFT HAND



SSS 15

| CODE | Size mm | Thickness T mm | kg/1 pc | 1 pc |
|---------|---------|----------------|---------|------|
| SSS 15 | 90x48 | 5 | 0.240 | 1 |
| SSS 15B | 90x48 | 6 | 0.280 | 1 |

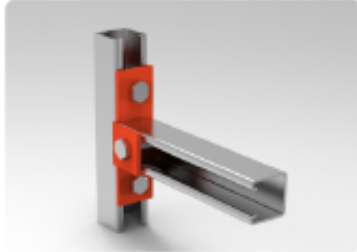
T' BEND RIGHT HAND



SSS 16

| CODE | Size mm | Thickness T mm | kg/1 pc | 1 pc |
|---------|---------|----------------|---------|------|
| SSS 16 | 90x48 | 5 | 0.240 | 1 |
| SSS 16B | 90x48 | 6 | 0.280 | 1 |

T' BEND BRACKET 90 DEG.



SSS 17

| CODE | Size mm | Thickness T mm | kg/1 pc | 1 pc |
|---------|---------|----------------|---------|------|
| SSS 17 | 120x51 | 5 | 0.280 | 1 |
| SSS 17B | 120x51 | 6 | 0.360 | 1 |

T' BEND BRACKET 45 DEG.



SSS 17A

| CODE | Size mm | Thickness T mm | kg/1 pc | 1 pc |
|---------|---------|----------------|---------|------|
| SSS 17A | 120x40 | 5 | 0.180 | 1 |

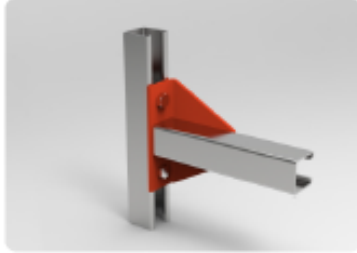
4 HOLE WIDE ANGLE BRACKET



SSS 18

| CODE | Size mm | Thickness T mm | kg/1 pc | 1 pc |
|---------|---------|----------------|---------|------|
| SSS 18 | 104x137 | 5 | 0.430 | 1 |
| SSS 18B | 104x137 | 6 | 0.470 | 1 |

OFF SET WIDE ANGLE



SSS 19

| CODE | Size mm | Thickness T mm | kg/1 pc | 1 pc |
|---------|---------|----------------|---------|------|
| SSS 19 | 96x128 | 5 | 0.500 | 1 |
| SSS 19B | 96x128 | 6 | 0.600 | 1 |

WELDED GUSSET BRACKET



SSS 20

| CODE | Size mm | Thickness T mm | kg/1 pc | 1 pc |
|--------|---------|----------------|---------|------|
| SSS 20 | 102x102 | 5 | 0.38 | 1 |

HEAVY DUTY GUSSET BRACKET

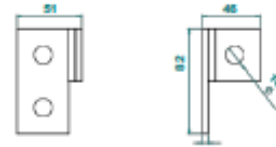


SSS 20A

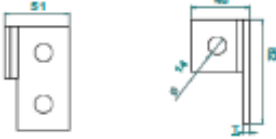
| CODE | Size mm | Thickness T mm | kg/1 pc | 1 pc |
|----------|---------|----------------|---------|------|
| SSS 20A | 102x102 | 5 | 0.500 | 1 |
| SSS 20AB | 102x102 | 6 | 0.600 | 1 |

TECHNICAL DATA

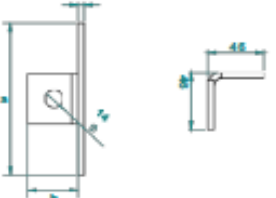
SSS 15



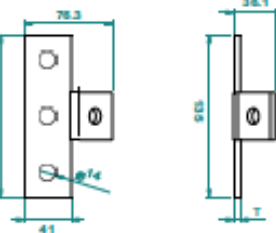
SSS 16



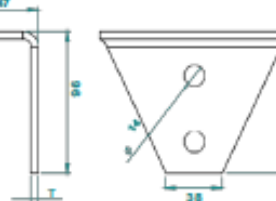
SSS 17



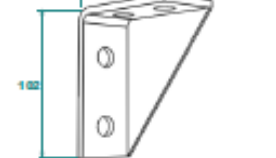
SSS 17A



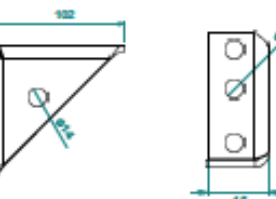
SSS 19



SSS 20



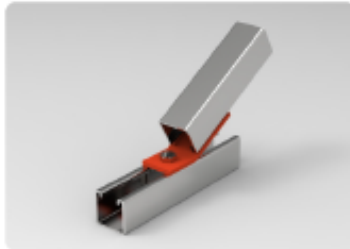
SSS 20A



FLAT FITTINGS & BRACKETS

C Channel Angle Fitting

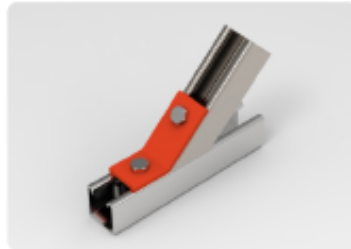
2 HOLE 45 DEG. OBTUSE ANGLE BRACKET



SSS 21

| CODE | Size | Thickness T mm | Weight kg/1 pc | Quantity |
|--------|------|----------------|----------------|----------|
| SSS 21 | 5 | 0.19 | 1 | 1 |

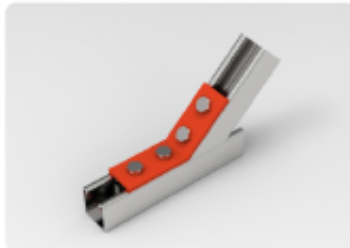
OBTUSE ANGLE BRACKET



SSS 22

| CODE | Size | Thickness T mm | Weight kg/1 pc | Quantity |
|--------|-------|----------------|----------------|----------|
| SSS 22 | 44x71 | 5 | 0.270 | 1 |

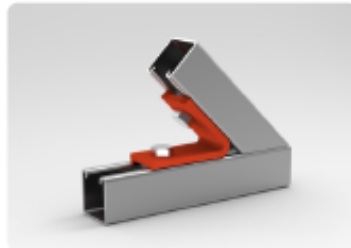
4 HOLE OBTUSE BRACKET



SSS 23

| CODE | Size | Thickness T mm | Weight kg/1 pc | Quantity |
|--------|-------|----------------|----------------|----------|
| SSS 23 | 76x78 | 5 | 0.340 | 1 |

ACUTE ANGLE BRACKET



SSS 24

| CODE | Size | Thickness T mm | Weight kg/1 pc | Quantity |
|--------|-------|----------------|----------------|----------|
| SSS 24 | 55x70 | 5 | 0.280 | 1 |

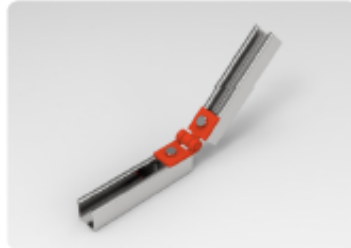
4 HOLE HINGE BRACKET



SSS 25

| CODE | Size | Thickness T mm | Weight kg/1 pc | Quantity |
|--------|------|----------------|----------------|----------|
| SSS 25 | 5 | 0.46 | 1 | 1 |

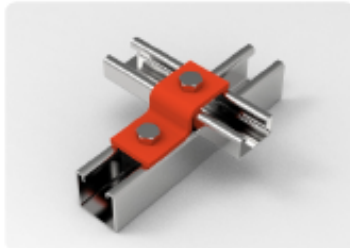
2 HOLE HINGE BRACKET



SSS 25A

| CODE | Size | Thickness T mm | Weight kg/1 pc | Quantity |
|---------|------|----------------|----------------|----------|
| SSS 25A | 5 | 0.31 | 1 | 1 |

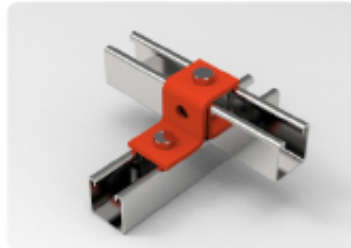
Z BRACKET 21 MM



SSS 26

| CODE | Size | Thickness T mm | Weight kg/1 pc | Quantity |
|----------|-------|----------------|----------------|----------|
| SSS 26 | 21x27 | 5 | 0.180 | 1 |
| SSS 26/6 | 21x27 | 6 | 0.210 | 1 |

Z BRACKET 41 MM



SSS 27

| CODE | Size | Thickness T mm | Weight kg/1 pc | Quantity |
|----------|-------|----------------|----------------|----------|
| SSS 27 | 41x48 | 5 | 0.220 | 1 |
| SSS 27/6 | 41x48 | 6 | 0.260 | 1 |

TECHNICAL DATA

SSS 21: Dimensions 52, 44.

SSS 22: Dimensions 41, 44, 71.

SSS 23: Dimensions 141, 78, 143.

SSS 24: Dimensions 55, 70, 141, 78, 143.

SSS 25: Dimensions 102, 67.

SSS 25A: Dimensions 67.

SSS 26: Dimensions 27, 50, 95, 41, 50, 95.

SSS 27: Dimensions 41, 48, 95, 95.

FLAT FITTINGS & BRACKETS

C Channel Angle Fitting Z BRACKET 82 MM



SSS 28

| CODE | Size ø5 mm mm | Thickness T mm | Qty 1 pc | Box 1 pc |
|---------|---------------------|----------------------|-------------|-------------|
| SSS 28 | 95x90 | 5 | 0.290 | 1 |
| SSS 28E | 95x90 | 6 | 0.320 | 1 |

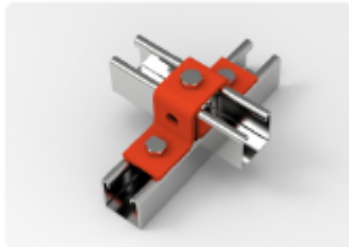
TOP HAT BRACKET 21 MM



SSS 29

| CODE | Size ø5 mm mm | Thickness T mm | Qty 1 pc | Box 1 pc |
|---------|---------------------|----------------------|-------------|-------------|
| SSS 29 | 135x27 | 5 | 0.290 | 1 |
| SSS 29E | 135x27 | 6 | 0.320 | 1 |

TOP HAT BRACKET 41 MM



SSS 30

| CODE | Size ø5 mm mm | Thickness T mm | Qty 1 pc | Box 1 pc |
|---------|---------------------|----------------------|-------------|-------------|
| SSS 30 | 135x48 | 5 | 0.370 | 1 |
| SSS 30E | 135x48 | 6 | 0.400 | 1 |

TOP HAT BRACKET 82 MM



SSS 31

| CODE | Size ø5 mm mm | Thickness T mm | Qty 1 pc | Box 1 pc |
|---------|---------------------|----------------------|-------------|-------------|
| SSS 31 | 135x89 | 5 | 0.520 | 1 |
| SSS 31E | 135x89 | 6 | 0.580 | 1 |

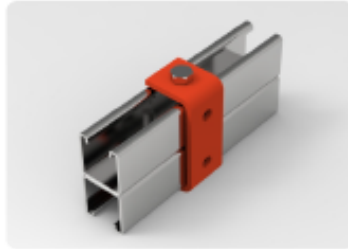
DOUBLE CHANNEL TOP BRACKET



SSS 32

| CODE | Size ø5 mm mm | Thickness T mm | Qty 1 pc | Box 1 pc |
|---------|---------------------|----------------------|-------------|-------------|
| SSS 32 | 176x95 | 5 | 0.450 | 1 |
| SSS 32E | 176x95 | 6 | 0.480 | 1 |

DOUBLE CHANNEL CONNECTOR



SSS 33

| CODE | Size mm | Thickness T mm | Qty 1 pc | Box 1 pc |
|---------|------------|----------------------|-------------|-------------|
| SSS 33 | 93x47 | 5 | 0.320 | 1 |
| SSS 33E | 93x47 | 6 | 0.380 | 1 |

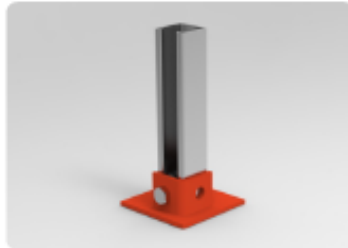
SINGLE CHANNEL FIX BASE PLATE



SSS 34

| CODE | Thickness T mm | Qty 1 pc | Box 1 pc |
|--------|----------------------|-------------|-------------|
| SSS 34 | 5 | 0.53 | 1 |

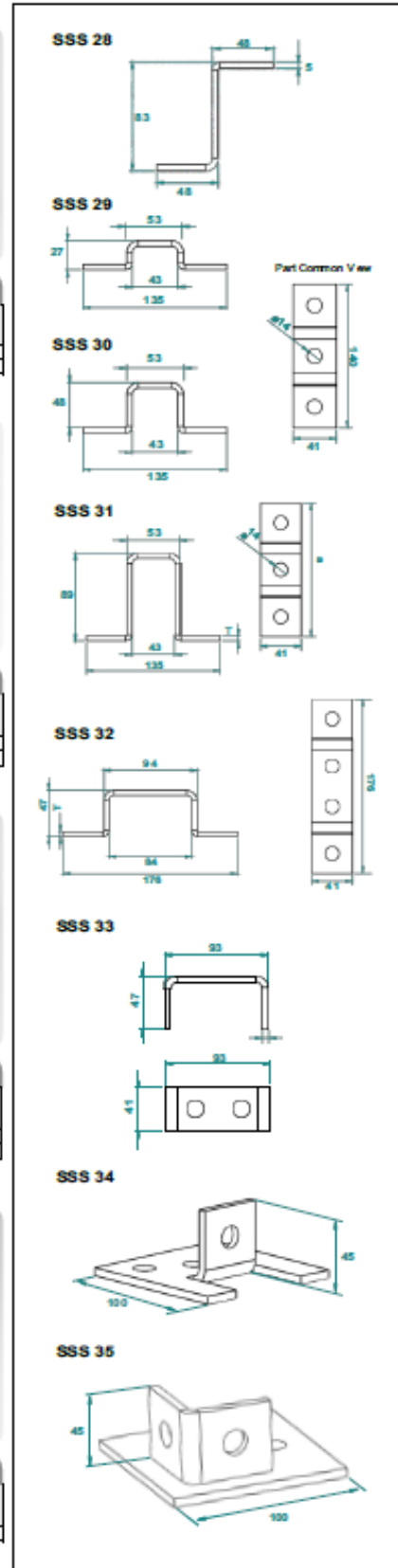
SINGLE CHANNEL BASE PLATE



SSS 35

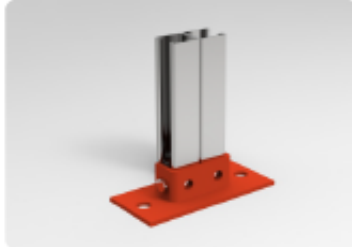
| CODE | Thickness T mm | Qty 1 pc | Box 1 pc |
|--------|----------------------|-------------|-------------|
| SSS 35 | 5 | 0.51 | 1 |

TECHNICAL DATA



FLAT FITTINGS & BRACKETS

DOUBLE CHANNEL BASE PLATE



SSS 36

| CODE | Base Plate a-b mm | Height H mm | Weight kg/pc | Box 1 pc |
|--------|-------------------------|-------------------|-----------------|-------------|
| SSS 36 | 200x100 | 45 | 1.080 | 1 |

*For double channel 83x41

SINGLE CHANNEL BASE PLATE

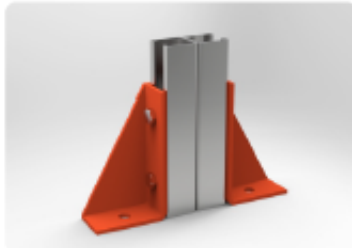


SSS 37

| CODE | Base Plate a-b mm | Height H mm | Weight kg/pc | Box 1 pc |
|--------|-------------------------|-------------------|-----------------|-------------|
| SSS 37 | 146x120 | 5 | 1.100 | 1 |

*For single channel 41x41

DOUBLE CHANNEL BASE PLATE



SSS 38

| CODE | Base Plate a-b mm | Height H mm | Weight kg/pc | Box 1 pc |
|--------|-------------------------|-------------------|-----------------|-------------|
| SSS 38 | 187x120 | 5 | 1.300 | 1 |

*For double channel 83x41

3 LUG WING BRACKET



SSS 39A

| CODE | Size mm | Thickness T mm | Weight kg/pc | Box 1 pc |
|-----------|------------|----------------------|-----------------|-------------|
| SSS 39A | 137x98 | 5 | 0.795 | 1 |
| SSS 39A/B | 137x98 | 6 | 0.954 | 1 |

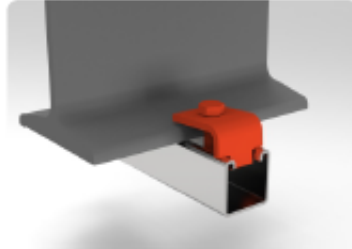
2 LEG WING BRACKET



SSS 39

| CODE | Size mm | Thickness T mm | Weight kg/pc | Box 1 pc |
|----------|------------|----------------------|-----------------|-------------|
| SSS 39 | 137x98 | 5 | 0.795 | 1 |
| SSS 39/B | 137x98 | 6 | 0.954 | 1 |

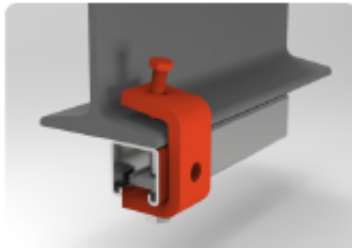
BEAM CLAMP



SSS 40

| CODE | Size mm | Thickness T mm | Weight kg/pc | Box 1 pc |
|----------|------------|----------------------|-----------------|-------------|
| SSS 40 | 56x21 | 5 | 0.050 | 1 |
| SSS 40/B | 56x21 | 6 | 0.060 | 1 |

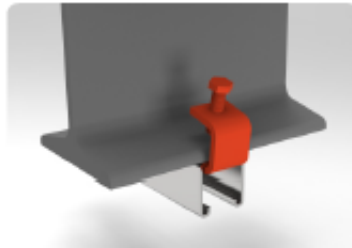
BEAM CLAMP



SSS 41

| CODE | Size mm | Thickness T mm | Weight kg/pc | Box 1 pc |
|--------|------------|----------------------|-----------------|-------------|
| SSS 41 | 50x25 | 6 | 0.280 | 1 |

BEAM CLAMP

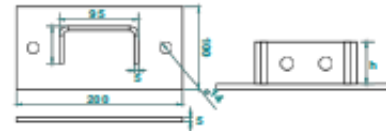


SSS 42

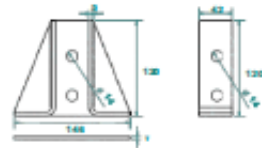
| CODE | Size mm | Thickness T mm | Weight kg/pc | Box 1 pc |
|--------|------------|----------------------|-----------------|-------------|
| SSS 42 | 50x75 | 5 | 0.160 | 1 |

TECHNICAL DATA

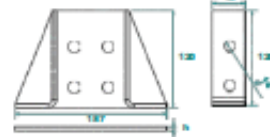
SSS 36



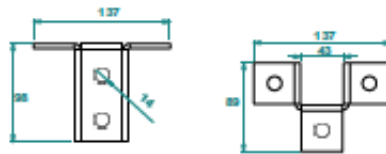
SSS 37



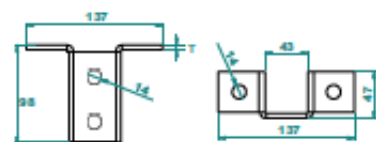
SSS 38



SSS 39A



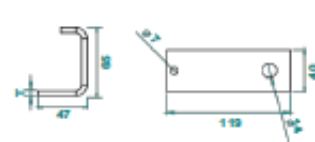
SSS 39



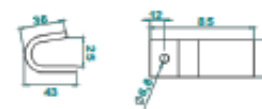
SSS 40



SSS 41



SSS 42



FLAT FITTINGS & BRACKETS

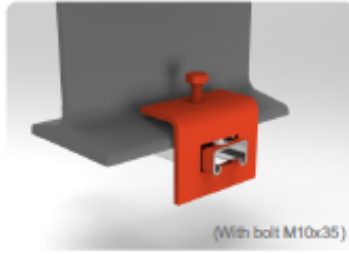
BEAM CLAP 'Z' TYPE (HEAVY DUTY)



SSS 43

| CODE | Size a-b mm | Height H mm | Qty 1 pc | Box 1 pc |
|--------|-------------------|-------------------|-------------|-------------|
| SSS 43 | 70x40 | 5 | 0.170 | 1 |

WINDOW BRACKET 21 MM

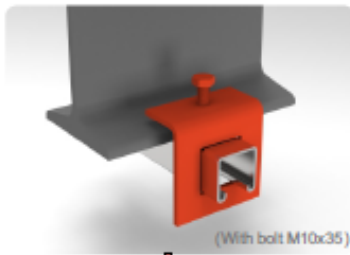


(With bolt M10x35)

SSS 44/21

| CODE | Size mm | Thickness T mm | Qty 1 pc | Box 1 pc |
|-----------|------------|----------------------|-------------|-------------|
| SSS 44/21 | 80x65 | 5 | 0.360 | 1 |

WINDOW BRACKET 41 MM



(With bolt M10x35)

SSS 44/41

| CODE | Size mm | Thickness T mm | Qty 1 pc | Box 1 pc |
|-----------|------------|----------------------|-------------|-------------|
| SSS 44/41 | 80x90 | 5 | 0.440 | 1 |

WINDOW BRACKET 82 MM

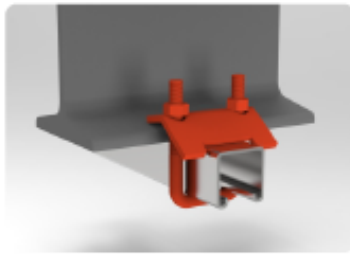


(With bolt M10x35)

SSS 44/82

| CODE | Size mm | Thickness T mm | Qty 1 pc | Box 1 pc |
|-----------|------------|----------------------|-------------|-------------|
| SSS 44/82 | 80x128 | 5 | 0.500 | 1 |

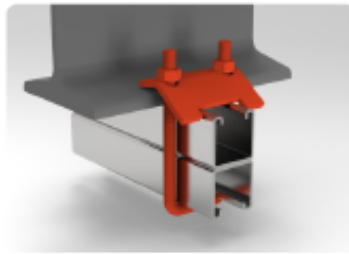
U BOLT WITH CLAMP 21/41



SSS 45/41

| CODE | Size mm | Thickness T mm | Qty 1 pc | Box 1 pc |
|-----------|------------|----------------------|-------------|-------------|
| SSS 45/41 | 80x60 | 5 | 0.360 | 1 |

U BOLT WITH CLAMP 62/83

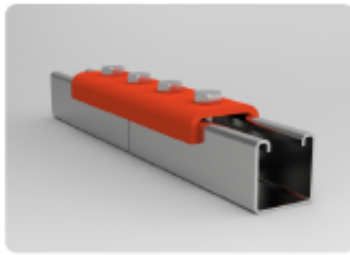


SSS 45/82

| CODE | Size mm | Thickness T mm | Qty 1 pc | Box 1 pc |
|-----------|------------|----------------------|-------------|-------------|
| SSS 45/82 | 120x60 | 5 | 0.400 | 1 |

C Channel Coupler and Clamps

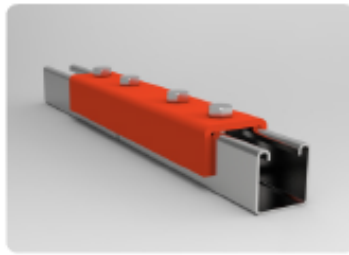
EXTERNAL CHANNEL CONNECTOR 21MM



SSS 46

| CODE | Size mm | Thickness T mm | Qty 1 pc | Box 1 pc |
|---------|------------|----------------------|-------------|-------------|
| SSS 46 | 184x25 | 5 | 0.750 | 1 |
| SSS 46B | 184x25 | 6 | 0.900 | 1 |

EXTERNAL CHANNEL CONNECTOR

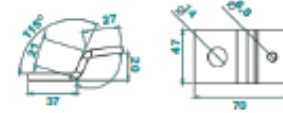


SSS 46A

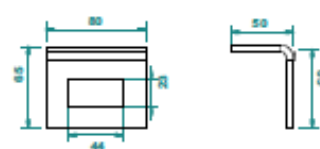
| CODE | Size mm | Thickness T mm | Qty 1 pc | Box 1 pc |
|-----------|------------|----------------------|-------------|-------------|
| SSS 46A | 184x52 | 5 | 0.920 | 1 |
| SSS 46A/B | 184x52 | 6 | 1.080 | 1 |

TECHNICAL DATA

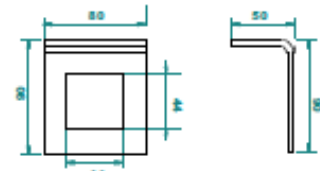
SSS 43



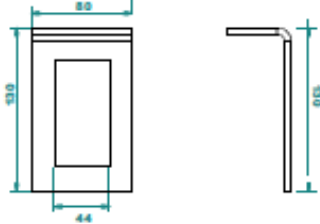
SSS 44/21



SSS 44/41



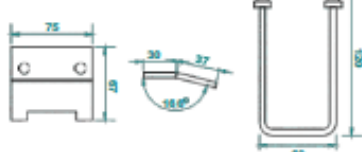
SSS 44/82



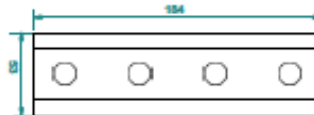
SSS 45/41



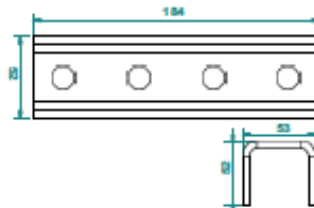
SSS 45/82



SSS 46

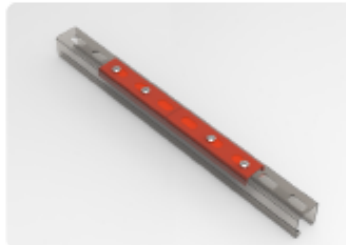


SSS 46 A



FLAT FITTINGS & BRACKETS

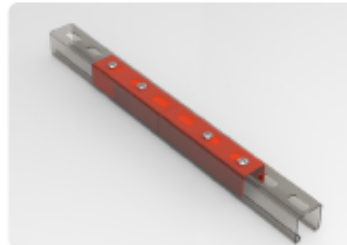
**INTERNAL CHANNEL CONNECTOR
21 MM**



SSS 47

| CODE | Thickness T mm | kg 1 pc | pc |
|--------|----------------------|------------|----|
| SSS 47 | 2 | 0.26 | 1 |

**INTERNAL CHANNEL CONNECTOR
41 MM**



SSS 47A

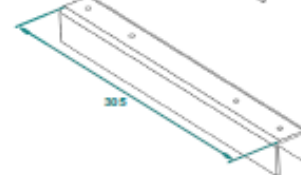
| CODE | Thickness T mm | kg 1 pc | pc |
|---------|----------------------|------------|----|
| SSS 47A | 2 | 0.42 | 1 |

TECHNICAL DATA

SSS 47



SSS 47A



SMALL WING BRACKET LEFT BEND



SSS 48

| CODE | Size mm | Thickness T mm | kg 1 pc | pc |
|----------|------------|----------------------|------------|----|
| SSS 48 | 50x50 | 5 | 0.260 | 1 |
| SSS 48/B | 50x50 | 6 | 0.270 | 1 |

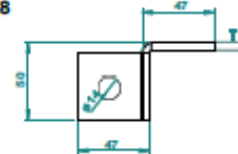
SMALL WING BRACKET RIGHT BEND



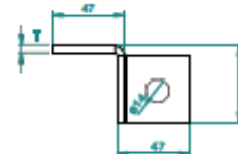
SSS 49

| CODE | Size mm | Thickness T mm | kg 1 pc | pc |
|----------|------------|----------------------|------------|----|
| SSS 49 | 50x50 | 5 | 0.260 | 1 |
| SSS 49/B | 50x50 | 6 | 0.270 | 1 |

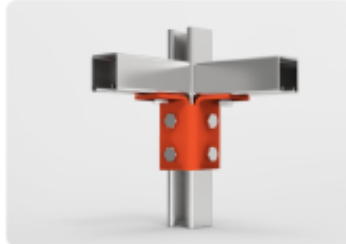
SSS 48



SSS 49



LARGE WING CORNER BRACKET



SSS 50D

| CODE | Size mm | Thickness T mm | kg 1 pc | pc |
|-----------|------------|----------------------|------------|----|
| SSS 50D | 90x90 | 5 | 0.477 | 1 |
| SSS 50D/B | 90x90 | 6 | 0.572 | 1 |

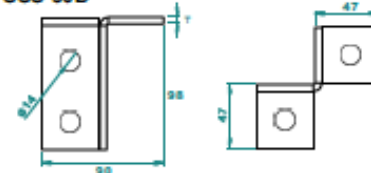
SMALL WING CORER BRACKET



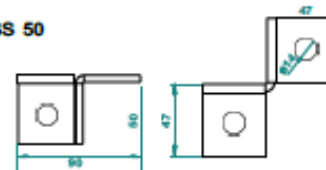
SSS 50

| CODE | Size mm | Thickness T mm | kg 1 pc | pc |
|----------|------------|----------------------|------------|----|
| SSS 50 | 90x50 | 5 | 0.318 | 1 |
| SSS 50/B | 90x50 | 6 | 0.382 | 1 |

SSS 50D



SSS 50



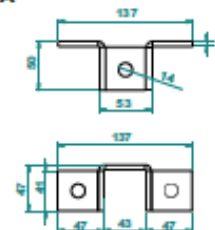
SMALL WING CORER BRACKET



SSS 50A

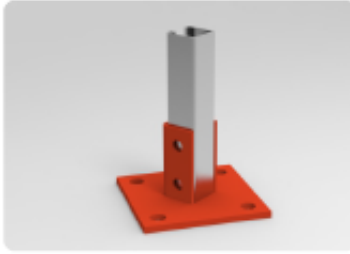
| CODE | Size mm | Thickness T mm | kg 1 pc | pc |
|-----------|------------|----------------------|------------|----|
| SSS 50A | 137x50 | 5 | 0.550 | 1 |
| SSS 50A/B | 137x50 | 6 | 0.638 | 1 |

SSS 50A



FLAT FITTINGS & BRACKETS

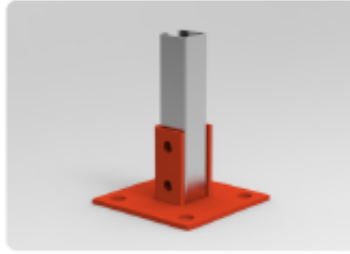
SINGLE CHANNEL POST BASE



SSS 51

| CODE | Base Plate a-b mm | Height H mm | Weight kg | Qty pc |
|----------|-------------------------|-------------------|--------------|-----------|
| SSS 51 | 150x150 | 90 | 1.50 | 1 |
| SSS 51/B | 150x150 | 90 | 1.50 | 1 |

SINGLE CHANNEL POST BASE



SSS 51SQ

| CODE | Base Plate a-b mm | Height H mm | Weight kg | Qty pc |
|------------|-------------------------|-------------------|--------------|-----------|
| SSS 51SQ | 150x150 | 90 | 1.50 | 1 |
| SSS 51SQ/B | 150x150 | 90 | 1.50 | 1 |

DOUBLE CHANNEL POST BASE



SSS 52

| CODE | Base Plate a-b mm | Height H mm | Weight kg | Qty pc |
|----------|-------------------------|-------------------|--------------|-----------|
| SSS 52 | 150x150 | 90 | 1.70 | 1 |
| SSS 52/B | 200x150 | 90 | 1.70 | 1 |

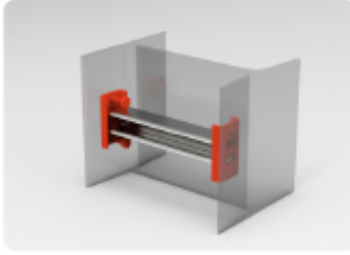
DOUBLE CHANNEL POST BASE



SSS 52SQ

| CODE | Base Plate a-b mm | Height H mm | Weight kg | Qty pc |
|------------|-------------------------|-------------------|--------------|-----------|
| SSS 52SQ | 150x150 | 90 | 1.70 | 1 |
| SSS 52SQ/B | 200x150 | 90 | 1.70 | 1 |

GIRDER CLAMPS



SSS 53

| CODE | Material Thickness | Weight kg | Qty pc |
|--------|-----------------------|--------------|-----------|
| SSS 53 | 4mm | 0.51 | 1 |

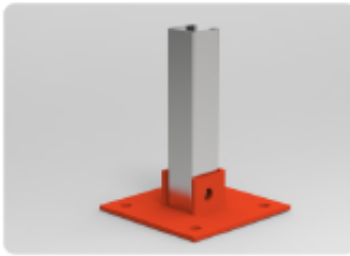
CROSS FLAT PLATES 90 DEG BEND



SSS 54L

| CODE | Material Thickness | Weight kg | Qty pc |
|---------|-----------------------|--------------|-----------|
| SSS 54L | 4mm | 0.42 | 1 |

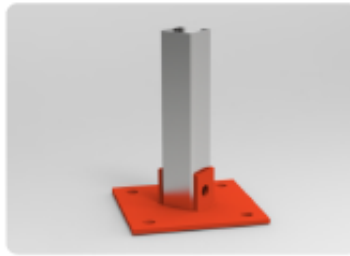
SINGLE CHANNEL BASE PLATE 4 HOLE



SSS 59

| CODE | Base Plate a-b mm | Height H mm | Weight kg | Qty pc |
|--------|-------------------------|-------------------|--------------|-----------|
| SSS 59 | 150x150 | 45 | 1.500 | 1 |

SINGLE CHANNEL BASE PLATE 4 HOLE

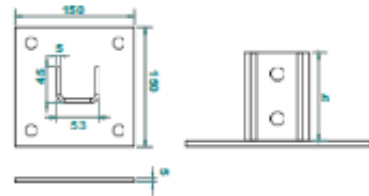


SSS 59SQ

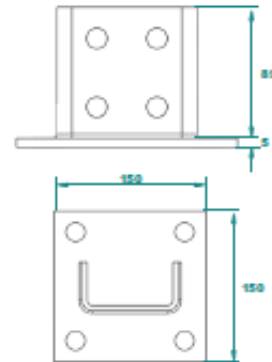
| CODE | Base Plate a-b mm | Height H mm | Weight kg | Qty pc |
|----------|-------------------------|-------------------|--------------|-----------|
| SSS 59SQ | 150x150 | 45 | 1.500 | 1 |

TECHNICAL DATA

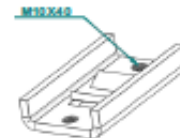
SSS 51 / SSS 51SQ



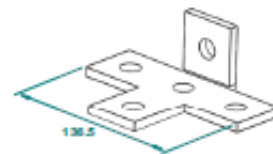
SSS 52 / SSS 52SQ



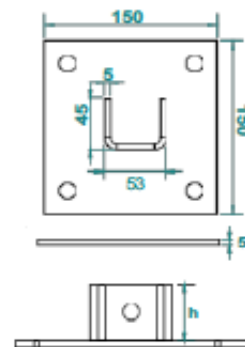
SSS 53



SSS 54L

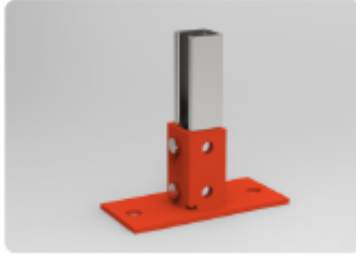


SSS 59 / SSS 59SQ



FLAT FITTINGS & BRACKETS

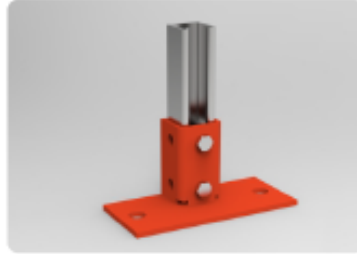
**SINGLE CHANNEL BASE PLATE
2 HOLE**



SSS 61

| CODE | Height H mm | Qty 1 pc | Box 1 pc |
|--------|-------------------|-------------|-------------|
| SSS 61 | 90 | 1,20 | 1 |

**SINGLE CHANNEL BASE PLATE
2 HOLE**



SSS 61A

| CODE | Height H mm | Qty 1 pc | Box 1 pc |
|---------|-------------------|-------------|-------------|
| SSS 61A | 90 | 1,50 | 1 |

TWO HOLE PLATE (HEAVY DUTY)



SSS 62

| CODE | Size mm | Thickness T mm | Qty 1 pc | Box 1 pc |
|---------|------------|----------------------|-------------|-------------|
| SSS 62 | 135x41 | 5 | 0,220 | 1 |
| SSS 62S | 135x41 | 6 | 0,250 | 1 |

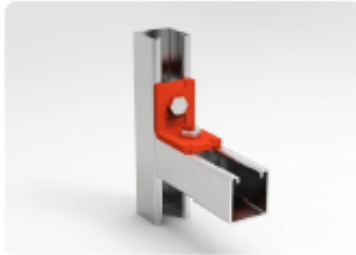
FLAT PLATE BRACKET 3 HOLE



SSS 63

| CODE | Size mm | Thickness T mm | Qty 1 pc | Box 1 pc |
|--------|------------|----------------------|-------------|-------------|
| SSS 63 | 181x41 | 5 | 0,250 | 1 |

2 HOLE ANGLE BRACKET N.T.



SSS 74

| CODE | Thickness T mm | Qty 1 pc | Box 1 pc |
|--------|----------------------|-------------|-------------|
| SSS 74 | 5 | 0,16 | 50 |

ADJUSTABLE SUPPORT BRACKET



SSS 75

| CODE | Thickness T mm | Qty 1 pc | Box 1 pc |
|--------|----------------------|-------------|-------------|
| SSS 75 | 5 | 0,39 | 1 |

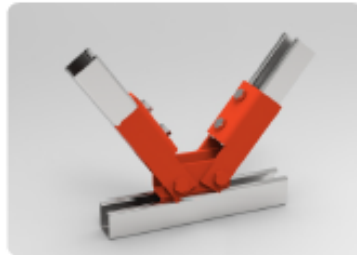
SINGLE CHANNEL JOINT HANGER



SSS 76

| CODE | Span Plate a-b mm | Height H mm | Qty 1 pc | Box 1 pc |
|--------|-------------------------|-------------------|-------------|-------------|
| SSS 76 | 137x54 | 37,5 | 1,620 | 1 |

DOUBLE CHANNEL JOINT HANGER

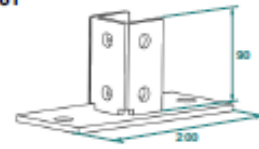


SSS 77

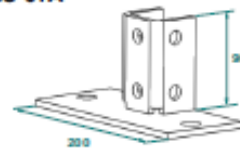
| CODE | Span Plate a-b mm | Height H mm | Qty 1 pc | Box 1 pc |
|--------|-------------------------|-------------------|-------------|-------------|
| SSS 77 | 100x54 | 48 | 2,360 | 1 |

TECHNICAL DATA

SSS 61



SSS 61A



SSS 62



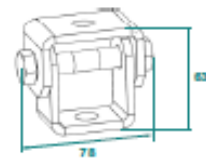
SSS 63



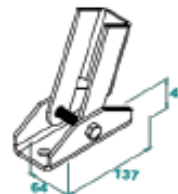
SSS 62



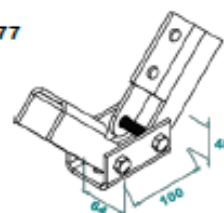
SSS 75



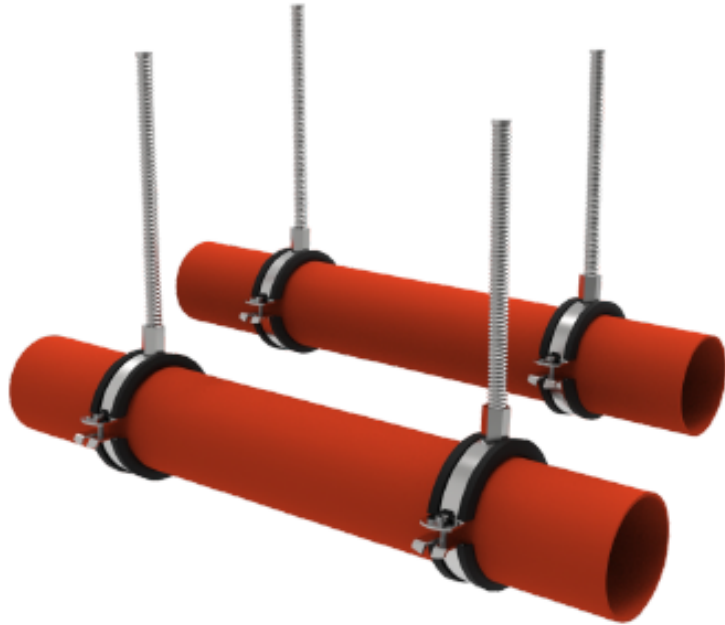
SSS 76



SSS 77



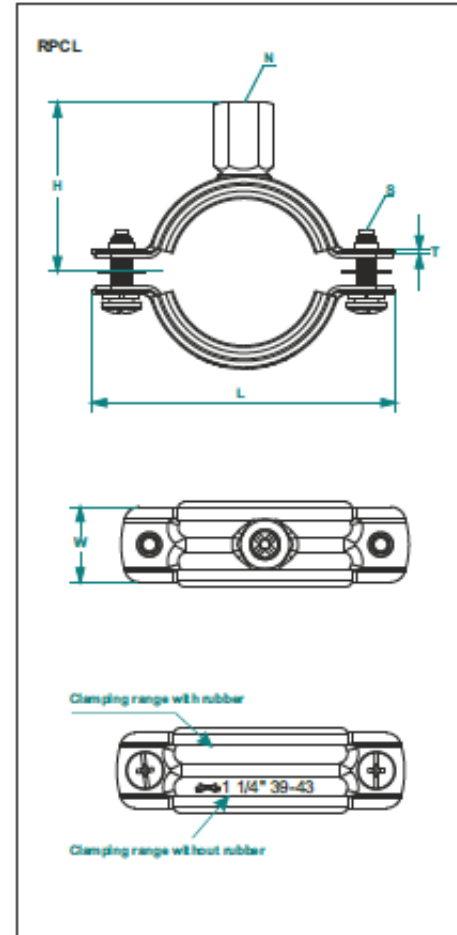
PIPE CLAMPS



| | | | |
|--|--|---|--|
| <p>Pipe Clamp With Combi Nut</p>  <p>RPCL</p> | <p>Pipe Clamp with Combi Nut without Rubber</p>  <p>RPC</p> | <p>Pipe Clamp with Triphone</p>  <p>TF</p> | <p>Pipe Clamp with Long Triphone</p>  <p>TU</p> |
| <p>Heavy Duty Pipe Clamp with Head</p>  <p>AK</p> | <p>Tear Drop Hanger</p>  <p>TDH</p> | <p>Tear drop hanger with flare Edge and swage</p>  <p>TDH-FS</p> | <p>DuctClamp - Rubber Lined</p>  <p>RPCL-D</p> |
| <p>Pvc Pipe Clamps</p>  <p>PBK</p> | <p>FLANGE BEAM CLAMP</p>  <p>FBC</p> | <p>Strut Clamp</p>  <p>SC</p> | <p>Cushion Clamp</p>  <p>CC</p> |

PIPE CLAMPS

Pipe Clamp With Combi Nut

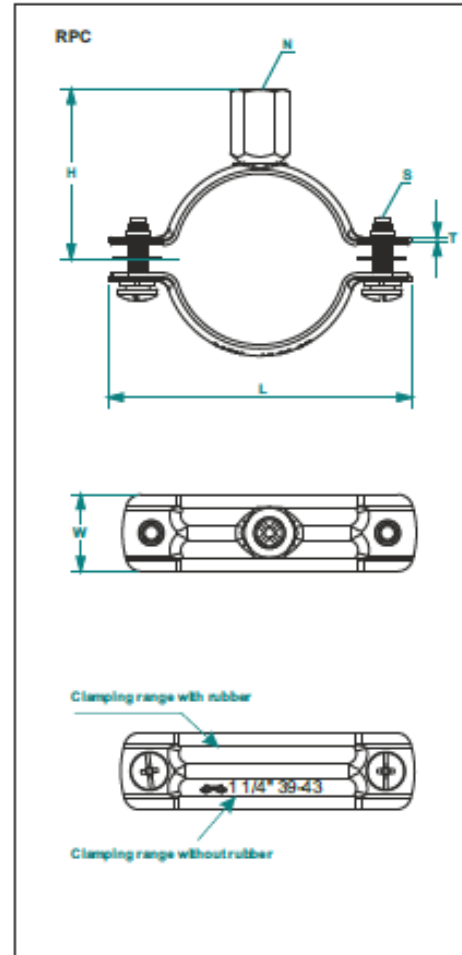


RPCL

| CODE | SIZE | CLAMPING RANGE (mm) | LENGTH (L) (mm) | H HEIGHT (H) (mm) | SHEET (tW) (mm) | SCREW (S) (metric) | NUT (N) (mm) | BREAKING LOAD (kN) | RECOMMENDED LOAD (kN) | QUANTITY PER BOX (Pcs) | WEIGHT PER BOX DITLAMA KG AVERAGE KG) |
|----------|------------|------------------------|-----------------------|-------------------------|-----------------------|--------------------------|--------------------|--------------------------|-----------------------------|------------------------------|---|
| RPCL 006 | 1/8" | 9 - 12 | 52.1 | 30.5 | 1x20 | M5 | M8 / M10 | 3.9 | 1.3 | 250 | 10.27 |
| RPCL 008 | 1/4" | 13 - 20 | 54.5 | 32 | 1x20 | M5 | M8 / M10 | 3.9 | 1.3 | 250 | 10.56 |
| RPCL 010 | 3/8" | 17 - 23 | 58.5 | 34 | 1x20 | M5 | M8 / M10 | 3.9 | 1.3 | 250 | 11.22 |
| RPCL 015 | 1/2" | 21 - 26 | 62.5 | 36 | 1x20 | M5 | M8 / M10 | 3.9 | 1.3 | 200 | 9.5 |
| RPCL 020 | 3/4" | 26 - 30 | 68.5 | 39 | 1x20 | M5 | M8 / M10 | 3.9 | 1.3 | 150 | 7.67 |
| RPCL 025 | 1" | 33 - 37 | 76 | 42.5 | 1x20 | M5 | M8 / M10 | 3.9 | 1.3 | 150 | 8.65 |
| RPCL 032 | 1 1/4" | 40 - 46 | 91.5 | 47 | 1.2x20 | M5 | M8 / M10 | 4.8 | 1.6 | 100 | 7.03 |
| RPCL 040 | 1 1/2" | 48 - 53 | 99 | 50.5 | 1.2x20 | M5 | M8 / M10 | 4.8 | 1.6 | 75 | 5.82 |
| RPCL 047 | 5/8-5/8" | 53 - 59 | 105 | 53.5 | 1.2x20 | M5 | M8 / M10 | 4.8 | 1.6 | 75 | 6.34 |
| RPCL 050 | 2" | 60 - 66 | 112 | 57 | 1.2x20 | M5 | M8 / M10 | 4.8 | 1.6 | 50 | 4.46 |
| RPCL 060 | 6/7-7/7" | 67 - 77 | 126 | 62 | 1.5x25 | M6 | M8 / M10 | 6.9 | 2.3 | 40 | 5.71 |
| RPCL 065 | 2 1/2" | 75 - 84 | 134 | 66 | 1.5x25 | M6 | M8 / M10 | 6.9 | 2.3 | 40 | 5.85 |
| RPCL 075 | 8/8-9/8" | 83 - 93 | 142 | 70 | 1.5x25 | M6 | M8 / M10 | 6.9 | 2.3 | 40 | 6.43 |
| RPCL 080 | 3" | 87 - 96 | 145 | 71.5 | 1.5x25 | M6 | M8 / M10 | 6.9 | 2.3 | 40 | 6.6 |
| RPCL 085 | 9/4-10/4" | 94 - 104 | 153 | 75.5 | 1.5x25 | M6 | M8 / M10 | 6.9 | 2.3 | 30 | 5.3 |
| RPCL 095 | 10/2-11/1" | 102 - 111 | 161 | 79.5 | 1.5x25 | M6 | M8 / M10 | 6.9 | 2.3 | 40 | 7.82 |
| RPCL 100 | 4" | 100 - 119 | 170 | 84 | 1.5x25 | M6 | M8 / M10 | 6.9 | 2.3 | 30 | 5.78 |
| RPCL 110 | 12/2-13/5" | 122 - 135 | 184 | 90.5 | 2x25 | M6 | M8 / M10 | 7.8 | 2.6 | 30 | 8.3 |
| RPCL 120 | 12/8-13/9" | 128 - 139 | 190 | 93.5 | 2x25 | M6 | M8 / M10 | 7.8 | 2.6 | 30 | 8.523 |
| RPCL 125 | 5" | 135 - 148 | 197 | 97 | 2x25 | M6 | M8 / M10 | 7.8 | 2.6 | 25 | 6.88 |
| RPCL 140 | 15/1-16/4" | 151 - 164 | 213 | 105 | 2x25 | M6 | M8 / M10 | 7.8 | 2.6 | 25 | 8.0423 |
| RPCL 150 | 6" | 158 - 170 | 222 | 108.5 | 2x25 | M6 | M8 / M10 | 7.8 | 2.6 | 20 | 6.18 |
| RPCL 180 | 19/4-20/5" | 194 - 205 | 257 | 127 | 2x25 | M6 | M8 / M10 | 7.8 | 2.6 | 15 | 5.5 |
| RPCL 200 | 8" | 214 - 224 | 272 | 136 | 2x25 | M6 | M8 / M10 | 7.8 | 2.6 | 15 | 5.94 |

PIPE CLAMPS

Pipe Clamp With Combi Nut Without Rubber

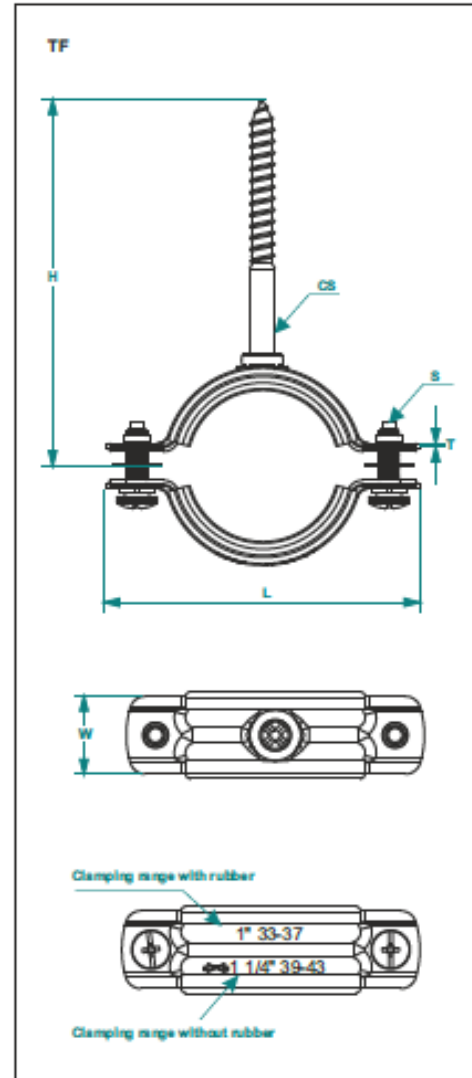


RPC

| CODE | SIZE | CLAMPING RANGE (mm) | LENGTH (L) (mm) | HEIGHT (H) (mm) | SHEET (f x w) (mm) | SCREW (S) (metric) | NUT (N) (mm) | BREAKING LOAD (kN) | RECOMMENDED LOAD (kN) | QUANTITY PER BOX (Pcs) | WEIGHT PER BOX (ORTALAMA KG AVERAGE KG) |
|---------|---------|---------------------|-----------------|-----------------|--------------------|--------------------|--------------|--------------------|-----------------------|------------------------|---|
| RPC 010 | 3/8" | 15 - 20 | 52.1 | 30.5 | 1x20 | M5 | M8 / M10 | 3.9 | 1.3 | 300 | 11.16 |
| RPC 015 | 1/2" | 19 - 23 | 54.5 | 32 | 1x20 | M5 | M8 / M10 | 3.9 | 1.3 | 250 | 8.943 |
| RPC 017 | 23-28 | 23 - 28 | 58.5 | 34 | 1x20 | M5 | M8 / M10 | 3.9 | 1.3 | 150 | 5.76 |
| RPC 020 | 3/4" | 26 - 30 | 62.5 | 36 | 1x20 | M5 | M8 / M10 | 3.9 | 1.3 | 200 | 7.912 |
| RPC 025 | 1" | 32 - 35 | 68.5 | 39 | 1x20 | M5 | M8 / M10 | 3.9 | 1.3 | 200 | 8.432 |
| RPC 032 | 1 1/4" | 39 - 43 | 76 | 42.5 | 1x20 | M5 | M8 / M10 | 3.9 | 1.3 | 150 | 6.924 |
| RPC 040 | 1 1/2" | 45 - 51 | 91.5 | 47 | 1.2x20 | M5 | M8 / M10 | 4.8 | 1.6 | 100 | 5.746 |
| RPC 047 | 54-58 | 54 - 58 | 99 | 50.5 | 1.2x20 | M5 | M8 / M10 | 4.8 | 1.6 | 100 | 6.198 |
| RPC 050 | 2" | 60 - 65 | 105 | 53.5 | 1.2x20 | M5 | M8 / M10 | 4.8 | 1.6 | 100 | 6.537 |
| RPC 060 | 67-71 | 67 - 71 | 112 | 57 | 1.2x20 | M5 | M8 / M10 | 4.8 | 1.6 | 50 | 3.592 |
| RPC 065 | 2 1/2" | 74 - 82 | 126 | 62 | 1.5x25 | M6 | M8 / M10 | 6.9 | 2.3 | 50 | 5.856 |
| RPC 075 | 82-89 | 82 - 89 | 134 | 66 | 1.5x25 | M6 | M8 / M10 | 6.9 | 2.3 | 50 | 6.221 |
| RPC 080 | 3" | 91 - 98 | 142 | 70 | 1.5x25 | M6 | M8 / M10 | 6.9 | 2.3 | 50 | 6.589 |
| RPC 085 | 93-101 | 93 - 101 | 145 | 71.5 | 1.5x25 | M6 | M8 / M10 | 6.9 | 2.3 | 30 | 4.141 |
| RPC 095 | 102-109 | 102 - 109 | 153 | 75.5 | 1.5x25 | M6 | M8 / M10 | 6.9 | 2.3 | 30 | 4.361 |
| RPC 100 | 4" | 109 - 117 | 161 | 79.5 | 1.5x25 | M6 | M8 / M10 | 6.9 | 2.3 | 50 | 7.457 |
| RPC 110 | 116-125 | 116 - 125 | 170 | 84 | 1.5x25 | M6 | M8 / M10 | 6.9 | 2.3 | 50 | 7.88 |
| RPC 120 | 129-141 | 129 - 141 | 184 | 90.5 | 2x25 | M6 | M8 / M10 | 7.8 | 2.6 | 50 | 10.734 |
| RPC 125 | 5" | 136 - 146 | 190 | 93.5 | 2x25 | M6 | M8 / M10 | 7.8 | 2.6 | 40 | 8.939 |
| RPC 140 | 142-154 | 142 - 154 | 197 | 97 | 2x25 | M6 | M8 / M10 | 7.8 | 2.6 | 25 | 5.904 |
| RPC 150 | 6" | 158 - 169 | 213 | 105 | 2x25 | M6 | M8 / M10 | 7.8 | 2.6 | 30 | 7.549 |
| RPC 180 | 166-177 | 166 - 177 | 222 | 109.5 | 2x25 | M6 | M8 / M10 | 7.8 | 2.6 | 20 | 5.374 |
| RPC 190 | 201-212 | 201 - 212 | 257 | 127 | 2x25 | M6 | M8 / M10 | 7.8 | 2.6 | 15 | 4.734 |
| RPC 200 | 8" | 219 - 229 | 272 | 136 | 2x25 | M6 | M8 / M10 | 7.8 | 2.6 | 15 | 4.946 |

PIPE CLAMPS

Pipe Clamp With Triphone



TF

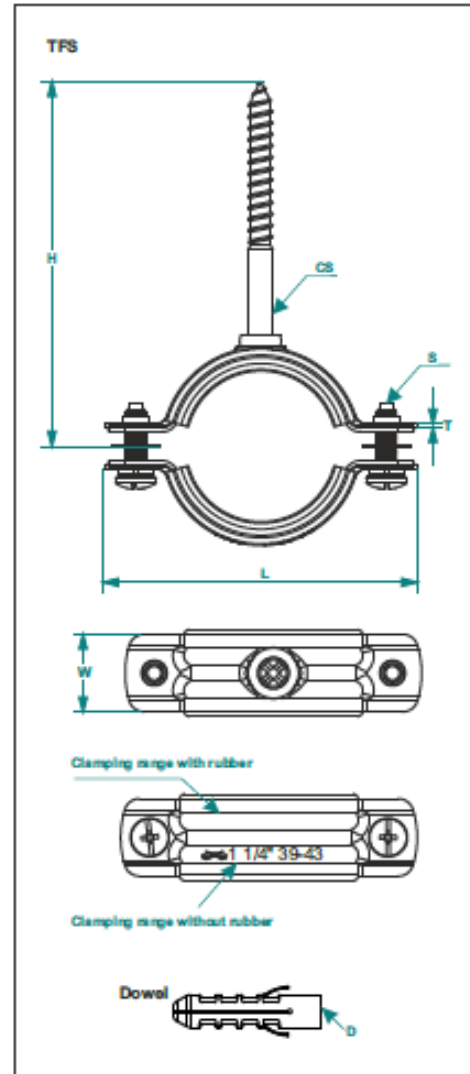
| CODE | SIZE | CLAMPING RANGE (mm) | LENGTH (L) (mm) | HEIGHT (H) (mm) | SHEET (TxW) (mm) | SCREW (S) (metric) | COACH SCREW (CS) (mm) | BREAKING LOAD (kN) | RECOMMENDED LOAD (kN) | QUANTITY PER BOX (Pcs) | WEIGHT PER BOX ØRTALAMA KG AVERAGE KG |
|--------|---------|------------------------|-----------------------|-----------------------|------------------------|--------------------------|-----------------------------|--------------------------|-----------------------------|------------------------------|---|
| TF 006 | 1/8" | 9 - 12 | 52.1 | 82 | 1x20 | M5 | Ø7x70 | 3.9 | 1.3 | 200 | 8.97 |
| TF 008 | 1/4" | 13 - 20 | 54.5 | 84 | 1x20 | M5 | Ø7x70 | 3.9 | 1.3 | 200 | 9.45 |
| TF 010 | 3/8" | 17 - 23 | 58.5 | 86 | 1x20 | M5 | Ø7x70 | 3.9 | 1.3 | 150 | 7.24 |
| TF 015 | 1/2" | 21 - 26 | 62.5 | 88 | 1x20 | M5 | Ø7x70 | 3.9 | 1.3 | 150 | 7.71 |
| TF 020 | 3/4" | 26 - 30 | 68.5 | 91 | 1x20 | M5 | Ø7x70 | 3.9 | 1.3 | 125 | 7 |
| TF 025 | 1" | 33 - 37 | 76 | 94.5 | 1x20 | M5 | Ø7x70 | 3.9 | 1.3 | 100 | 6.2 |
| TF 032 | 1 1/4" | 40 - 46 | 91.5 | 99 | 1.2x20 | M5 | Ø7x70 | 4.8 | 1.6 | 75 | 5.53 |
| TF 040 | 1 1/2" | 48 - 53 | 99 | 102.5 | 1.2x20 | M5 | Ø7x70 | 4.8 | 1.6 | 50 | 4.2 |
| TF 047 | 5/8-59 | 53 - 59 | 105 | 105.5 | 1.2x20 | M5 | Ø7x70 | 4.8 | 1.6 | 50 | 4.46 |
| TF 050 | 2" | 60 - 66 | 112 | 109 | 1.2x20 | M5 | Ø7x70 | 4.8 | 1.6 | 50 | 4.66 |
| TF 060 | 67-77 | 67 - 77 | 126 | 114 | 1.5x25 | M6 | Ø7x70 | 6.9 | 2.3 | 20 | 3.21 |
| TF 065 | 2 1/2" | 75 - 84 | 134 | 118 | 1.5x25 | M6 | Ø7x70 | 6.9 | 2.3 | 25 | 3.87 |
| TF 075 | 83-93 | 83 - 93 | 142 | 122 | 1.5x25 | M6 | Ø7x70 | 6.9 | 2.3 | 20 | 3.361 |
| TF 080 | 3" | 87 - 96 | 145 | 123.5 | 1.5x25 | M6 | Ø7x70 | 6.9 | 2.3 | 20 | 3.37 |
| TF 085 | 94-104 | 94 - 104 | 153 | 127.5 | 1.5x25 | M6 | Ø7x70 | 6.9 | 2.3 | 20 | 3.927 |
| TF 095 | 102-111 | 102 - 111 | 161 | 131.5 | 1.5x25 | M6 | Ø7x70 | 6.9 | 2.3 | 15 | 2.94 |
| TF 100 | 4" | 109 - 119 | 170 | 136 | 1.5x25 | M6 | Ø7x70 | 6.9 | 2.3 | 15 | 3.05 |
| TF 110 | 122-135 | 122 - 135 | 184 | 142.5 | 2x25 | M6 | Ø7x70 | 7.8 | 2.6 | 15 | 3.94 |

PIPE CLAMPS

Pipe Clamp With Triphone (Set)



TFS includes plastic dowel

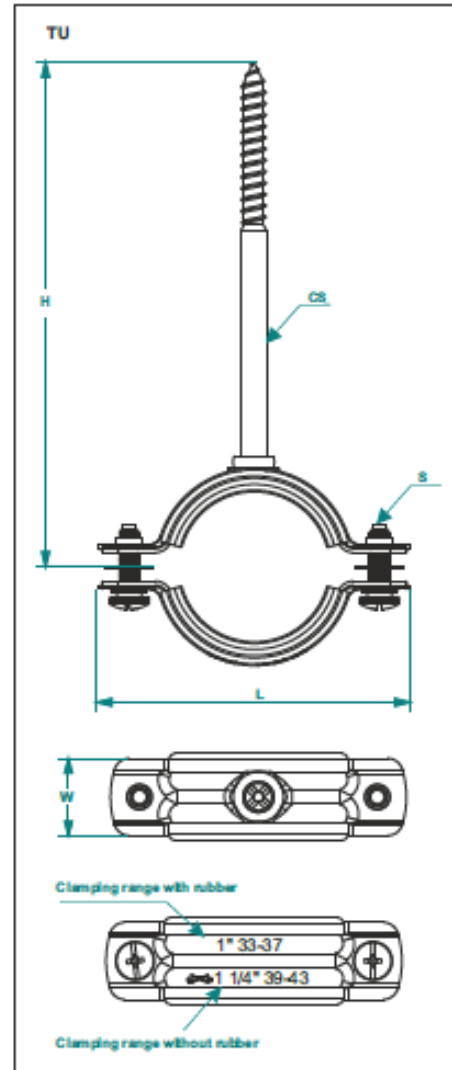


TFS

| CODE | SIZE | CLAMPING RANGE (mm) | LENGTH (L) (mm) | HEIGHT (H) (mm) | SHEET (TxW) (mm) | SCRIBW (S) (metric) | COACH SCREW (CS) (mm) | DOWEL (D) (mm) | BREAKING LOAD (kN) | RECOMMENDED LOAD (kN) | QUANTITY PER BOX (Pcs) | WEIGHT PER BOX DOTAL/AVERAGE KG |
|---------|---------|------------------------|-----------------------|-----------------------|------------------------|---------------------------|-----------------------------|----------------------|--------------------------|-----------------------------|------------------------------|------------------------------------|
| TFS 006 | 1/8" | 9 - 12 | 52.1 | 82 | 1x20 | M5 | Ø7x70 | 10 | 3.9 | 1.3 | 200 | 9.20 |
| TFS 008 | 1/4" | 13 - 20 | 54.5 | 84 | 1x20 | M5 | Ø7x70 | 10 | 3.9 | 1.3 | 200 | 9.60 |
| TFS 010 | 3/8" | 17 - 23 | 58.5 | 86 | 1x20 | M5 | Ø7x70 | 10 | 3.9 | 1.3 | 150 | 7.65 |
| TFS 015 | 1/2" | 21 - 26 | 62.5 | 88 | 1x20 | M5 | Ø7x70 | 10 | 3.9 | 1.3 | 150 | 7.95 |
| TFS 020 | 3/4" | 26 - 30 | 68.5 | 91 | 1x20 | M5 | Ø7x70 | 10 | 3.9 | 1.3 | 125 | 7.25 |
| TFS 025 | 1" | 33 - 37 | 76 | 94.5 | 1x20 | M5 | Ø7x70 | 10 | 3.9 | 1.3 | 100 | 6.30 |
| TFS 032 | 1 1/4" | 40 - 46 | 91.5 | 99 | 1.2x20 | M5 | Ø7x70 | 10 | 4.8 | 1.6 | 75 | 5.85 |
| TFS 040 | 1 1/2" | 46 - 53 | 99 | 102.5 | 1.2x20 | M5 | Ø7x70 | 10 | 4.8 | 1.6 | 50 | 4.30 |
| TFS 047 | 53-59 | 53 - 59 | 105 | 105.5 | 1.2x20 | M5 | Ø7x70 | 10 | 4.8 | 1.6 | 50 | 4.55 |
| TFS 050 | 2" | 60 - 66 | 112 | 109 | 1.2x20 | M5 | Ø7x70 | 10 | 4.8 | 1.6 | 50 | 4.80 |
| TFS 060 | 67-77 | 67 - 77 | 126 | 114 | 1.5x25 | M6 | Ø7x70 | 10 | 6.9 | 2.3 | 20 | 3.18 |
| TFS 065 | 2 1/2" | 75 - 84 | 134 | 118 | 1.5x25 | M6 | Ø7x70 | 10 | 6.9 | 2.3 | 25 | 4.08 |
| TFS 075 | 83-93 | 83 - 93 | 142 | 122 | 1.5x25 | M6 | Ø7x70 | 10 | 6.9 | 2.3 | 20 | 3.52 |
| TFS 080 | 3" | 87 - 96 | 145 | 123.5 | 1.5x25 | M6 | Ø7x70 | 10 | 6.9 | 2.3 | 20 | 3.62 |
| TFS 085 | 94-104 | 94 - 104 | 153 | 127.5 | 1.5x25 | M6 | Ø7x70 | 10 | 6.9 | 2.3 | 20 | 3.94 |
| TFS 095 | 102-111 | 102 - 111 | 161 | 131.5 | 1.5x25 | M6 | Ø7x70 | 10 | 6.9 | 2.3 | 15 | 3.06 |
| TFS 100 | 4" | 109 - 119 | 170 | 136 | 1.5x25 | M6 | Ø7x70 | 10 | 6.9 | 2.3 | 15 | 3.20 |
| TFS 110 | 122-135 | 122 - 135 | 184 | 142.5 | 2x25 | M6 | Ø7x70 | 10 | 7.8 | 2.6 | 15 | 4.14 |

PIPE CLAMPS

Pipe Clamp With Long Triphone

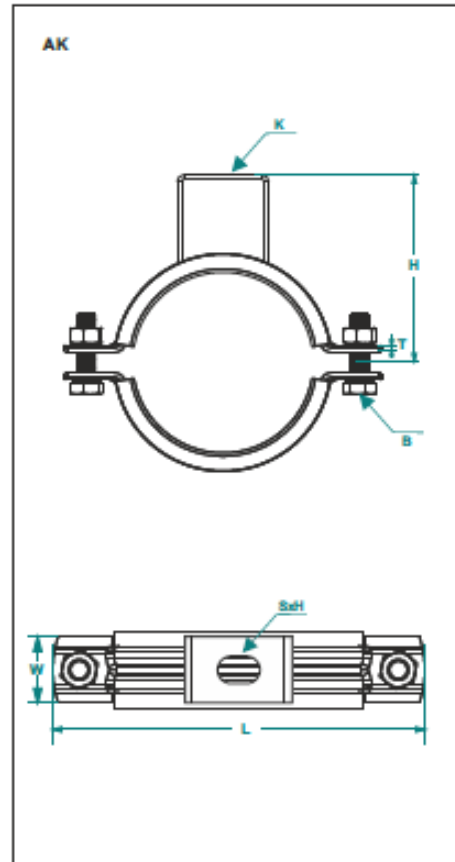


TU

| CODE | SIZE | CLAMPING RANGE (mm) | LENGTH (L) (mm) | HEIGHT (H) (mm) | SHEET (T x W) (mm) | SCREW (S) (mm x L) | COACH SCREW (CS) (mm) | BREAKING LOAD (kN) | RECOMMENDED LOAD (kN) | QUANTITY PER BOX (Pcs) | WEIGHT PER BOX (ORTALAMA KG AVERAGE KG) |
|--------|---------|------------------------|-----------------------|-----------------------|--------------------------|--------------------------|-----------------------------|--------------------------|-----------------------------|------------------------------|---|
| TU 006 | 1/8" | 9 - 12 | 52.1 | 112.5 | 1x20 | M5 | Ø7x100 | 3.9 | 1.3 | 150 | 7.8 |
| TU 008 | 1/4" | 13 - 20 | 54.5 | 114 | 1x20 | M5 | Ø7x100 | 3.9 | 1.3 | 150 | 7.707 |
| TU 010 | 3/8" | 17 - 23 | 58.5 | 116 | 1x20 | M5 | Ø7x100 | 3.9 | 1.3 | 150 | 8.169 |
| TU 015 | 1/2" | 21 - 26 | 62.5 | 118 | 1x20 | M5 | Ø7x100 | 3.9 | 1.3 | 150 | 8.66 |
| TU 020 | 3/4" | 26 - 30 | 68.5 | 121 | 1x20 | M5 | Ø7x100 | 3.9 | 1.3 | 100 | 6.4 |
| TU 025 | 1" | 33 - 37 | 76 | 124.5 | 1x20 | M5 | Ø7x100 | 3.9 | 1.3 | 75 | 5.21 |
| TU 032 | 1 1/4" | 40 - 46 | 91.5 | 129 | 1.2x20 | M5 | Ø7x100 | 4.8 | 1.6 | 50 | 4.15 |
| TU 040 | 1 1/2" | 48 - 53 | 99 | 132.5 | 1.2x20 | M5 | Ø7x100 | 4.8 | 1.6 | 50 | 4.58 |
| TU 047 | 5/8" | 53 - 59 | 105 | 135.5 | 1.2x20 | M5 | Ø7x100 | 4.8 | 1.6 | 50 | 4.96 |
| TU 050 | 2" | 60 - 66 | 112 | 139 | 1.2x20 | M5 | Ø7x100 | 4.8 | 1.6 | 40 | 4.1 |
| TU 060 | Ø7-77 | 67 - 77 | 126 | 144 | 1.5x25 | M6 | Ø7x100 | 6.9 | 2.3 | 25 | 4.102 |
| TU 065 | 2 1/2" | 75 - 84 | 134 | 148 | 1.5x25 | M6 | Ø7x100 | 6.9 | 2.3 | 20 | 3.28 |
| TU 075 | 83-93 | 83 - 93 | 142 | 152 | 1.5x25 | M6 | Ø7x100 | 6.9 | 2.3 | 20 | 3.765 |
| TU 080 | 3" | 87 - 96 | 146 | 153.5 | 1.5x25 | M6 | Ø7x100 | 6.9 | 2.3 | 20 | 3.6 |
| TU 085 | 94-104 | 94 - 104 | 153 | 157.5 | 1.5x25 | M6 | Ø7x100 | 6.9 | 2.3 | 20 | 4.061 |
| TU 095 | 102-111 | 102 - 111 | 161 | 161.5 | 1.5x25 | M6 | Ø7x100 | 6.9 | 2.3 | 15 | 3.275 |
| TU 100 | 4" | 109 - 119 | 170 | 166 | 1.5x25 | M6 | Ø7x100 | 6.9 | 2.3 | 15 | 3.15 |
| TU 110 | 122-135 | 122 - 135 | 184 | 172.5 | 2x25 | M6 | Ø7x100 | 7.8 | 2.6 | 15 | 4.09 |

PIPE CLAMPS

Heavy Duty Pipe Clamp with Head

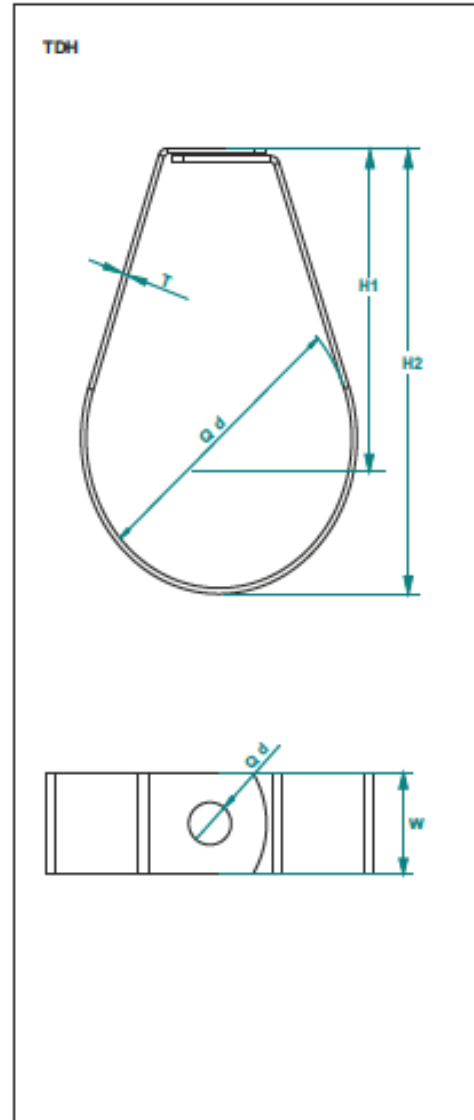


AK

| CODE | SIZE | ARALIKI CLAMPING RANGE | LENGTH (L) (mm) | HEIGHT (H) (mm) | SHEET (TxW) (mm) | HEAD (H) (mm) | SLOT HOLE (SxH) (mm) | BOLT (Ø) (metric) | BREAKING LOAD (NN) | RECOMMENDED LOAD (NN) | ADET QUANTITY PER BOX | WEIGHT (G) (AVERAGE) |
|--------|------------|------------------------|-----------------|-----------------|------------------|---------------|----------------------|-------------------|--------------------|-----------------------|-----------------------|----------------------|
| AK 008 | 1/4" | 12 - 17 | 75 | 40 | 2x25 | 2x25x40 | 10,5x14 | M8 (6,8) | 10 | 2,75 | 50 | 7,338 |
| AK 015 | 1/2" | 21 - 28 | 81 | 41 | 2x25 | 2x25x40 | 10,5x14 | M8 (6,8) | 10 | 2,75 | 50 | 7,77 |
| AK 020 | 3/4" | 25 - 32 | 87 | 42,5 | 2x25 | 2x25x40 | 10,5x14 | M8 (6,8) | 10 | 2,75 | 50 | 8,2 |
| AK 025 | 1 | 33 - 40 | 94 | 49,5 | 2x25 | 2x25x40 | 10,5x14 | M8 (6,8) | 10 | 2,75 | 50 | 8,65 |
| AK 032 | 1 1/4" | 41 - 48 | 103 | 55 | 2x25 | 2x25x40 | 10,5x14 | M8 (6,8) | 10 | 2,75 | 40 | 7,25 |
| AK 040 | 1 1/2" | 48 - 46 | 111 | 59 | 2x25 | 2x25x40 | 10,5x14 | M8 (6,8) | 10 | 2,75 | 40 | 7,69 |
| AK 047 | 53 - 59 | 53 - 59 | 120 | 63 | 2x25 | 2x25x40 | 10,5x14 | M8 (6,8) | 10 | 2,75 | 30 | 6,962 |
| AK 050 | 2" | 60 - 69 | 125 | 66 | 2x25 | 2x25x40 | 10,5x14 | M8 (6,8) | 10 | 2,75 | 30 | 6,33 |
| AK 060 | 67 - 75 | 67 - 75 | 134 | 70 | 2x25 | 2x25x40 | 10,5x14 | M8 (6,8) | 10 | 2,75 | 25 | 7 |
| AK 065 | 2 1/2" | 75 - 81 | 141 | 74 | 2x25 | 2x25x40 | 10,5x14 | M8 (6,8) | 10 | 2,75 | 25 | 5,92 |
| AK 075 | 83-91 | 83 - 91 | 149 | 78 | 2x25 | 2x25x40 | 10,5x14 | M8 (6,8) | 10 | 2,75 | 30 | 7,62 |
| AK 080 | 3" | 87 - 95 | 154 | 80 | 2x25 | 2x25x40 | 10,5x14 | M8 (6,8) | 10 | 2,75 | 30 | 7,56 |
| AK 085 | 95 - 104 | 95 - 104 | 161 | 84,5 | 2x25 | 2x25x40 | 10,5x14 | M8 (6,8) | 10 | 2,75 | 25 | 7,201 |
| AK 095 | 102 - 112 | 102 - 112 | 169 | 88,5 | 2,5x30 | 2,5x30x40 | 12x14 | M8 (6,8) | 14 | 3,75 | 25 | 10,141 |
| AK 100 | 4" | 109 - 119 | 178 | 93 | 2,5x30 | 2,5x30x40 | 12x14 | M8 (6,8) | 14 | 3,75 | 25 | 10,72 |
| AK 110 | 122 - 138" | 122 - 138 | 192 | 101 | 3x30 | 3x30x40 | 12x14 | M10 (8,8) | 20 | 6 | 10 | 5,7 |
| AK 120 | 128 - 141 | 128 - 141 | 197 | 103,5 | 3x30 | 3x30x40 | 12x14 | M10 (8,8) | 20 | 6 | 10 | 5,99 |
| AK 125 | 5" | 136 - 147 | 204 | 107 | 3x30 | 3x30x40 | 12x14 | M10 (8,8) | 20 | 6 | 10 | 6,02 |
| AK 140 | 153 - 164 | 153 - 164 | 220 | 115 | 3x30 | 3x30x40 | 12x14 | M10 (8,8) | 20 | 6 | 10 | 6,45 |
| AK 150 | 6" | 164 - 174 | 229 | 120 | 3x30 | 3x30x40 | 12x14 | M10 (8,8) | 20 | 6 | 10 | 6,79 |
| AK 180 | 196 - 209 | 196 - 209 | 264 | 137 | 3x30 | 3x30x40 | 12x14 | M10 (8,8) | 20 | 6 | 20 | 15,2 |
| AK 200 | 8" | 214 - 226 | 279 | 145 | 4x30 | 4x30x40 | 12x14 | M10 (8,8) | 20 | 6 | 15 | 15,23 |
| AK 240 | 240 - 250 | 240 - 250 | 310 | 170 | 4x30 | 4x40x40 | 12x14 | M10 (8,8) | 20 | 6 | 15 | 16 |
| AK 250 | 10" | 226 - 274 | 335 | 173 | 4x30 | 4x30x40 | 12x14 | M10 (8,8) | 20 | 6 | 15 | 18,465 |
| AK 300 | 12" | 308 - 324 | 400 | 184 | 4x40 | 4x40x40 | 12,5x23 | M12 (8,8) | 35 | 11,7 | 10 | 19,1 |
| AK 350 | 14" | 340 - 366 | 432 | 221 | 4x40 | 4x40x40 | 12,5x23 | M12 (8,8) | 35 | 11,7 | 8 | 16,78 |
| AK 380 | 380 - 390 | 380 - 390 | 505 | 253 | 5x50 | 5x50x60 | 17x25 | M16 (8,8) | 37 | 13 | 5 | 18,1 |
| AK 400 | 16" | 393 - 409 | 537 | 265 | 5x50 | 5x50x60 | 17x25 | M16 (8,8) | 37 | 13 | 5 | 19,911 |
| AK 450 | 18" | 444 - 480 | 590 | 301 | 5x50 | 5x50x60 | 17x25 | M16 (8,8) | 37 | 13 | 5 | 21,91 |
| AK 520 | 20" | 497 - 512 | 645 | 325 | 5x50 | 5x50x60 | 17x25 | M16 (8,8) | 37 | 13 | 4 | 19,123 |

PIPE CLAMPS

Tear Drop Hanger

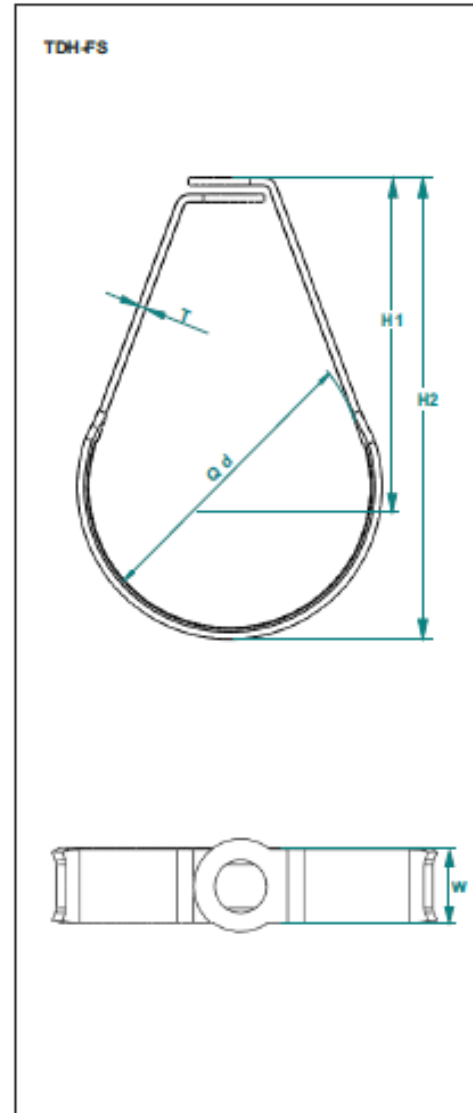


TDH

| CODE | SIZE | DIAMETER (ØD) (mm) | HEIGHT 1 (H1) (mm) | HEIGHT 2 (H2) (mm) | SHEET (TbW) (mm) | HOLE DIA. ØD (mm) | BREAKING LOAD (kN) | RECOMMENDED LOAD (kN) | QUANTITY PER BOX (Pcs) | WEIGHT (KRALAM) (AVRAGE) (kg) |
|---------|--------|-----------------------|-----------------------|-----------------------|---------------------|----------------------|-----------------------|--------------------------|---------------------------|----------------------------------|
| TDH 015 | 1/2" | 28 | 48 | 63.5 | 1.5x25 | 10.5 | 1.5 | 1.5 | 100 | 5.97 |
| TDH 020 | 3/4" | 30 | 50 | 66.5 | 1.5x25 | 10.5 | 1.5 | 1.5 | 100 | 6.42 |
| TDH 025 | 1" | 36 | 59 | 78.5 | 1.5x25 | 10.5 | 1.5 | 1.5 | 75 | 5.32 |
| TDH 032 | 1 1/4" | 46 | 63 | 87.5 | 1.5x25 | 10.5 | 1.5 | 1.5 | 50 | 4.15 |
| TDH 040 | 1 1/2" | 52 | 66 | 93.5 | 1.5x25 | 10.5 | 1.5 | 1.5 | 50 | 4.38 |
| TDH 050 | 2" | 66 | 72 | 106.5 | 1.5x25 | 10.5 | 1.5 | 1.5 | 40 | 4.05 |
| TDH 065 | 2 1/2" | 78 | 94 | 135.5 | 2.5x25 | 10.5 | 3.9 | 3.9 | 30 | 5.92 |
| TDH 080 | 3" | 92 | 101 | 149.5 | 2.5x25 | 10.5 | 3.9 | 3.9 | 25 | 5.59 |
| TDH 100 | 4" | 116 | 122 | 182.5 | 2.5x25 | 10.5 | 3.9 | 3.9 | 30 | 8.05 |
| TDH 125 | 5" | 142 | 151.5 | 225.5 | 3x25 | 13 | 7.5 | 7.5 | 25 | 9.68 |
| TDH 150 | 6" | 170 | 176.5 | 264.5 | 3x25 | 13 | 7.5 | 7.5 | 20 | 8.94 |
| TDH 200 | 8" | 222 | 226.5 | 340.5 | 3x40 | 17 | 13 | 13 | 10 | 14.3 |
| TDH 250 | 10" | 275 | 285.5 | 426 | 3x40 | 17 | 13 | 13 | 10 | 12.25 |

PIPE CLAMPS

Tear Drop Hanger with Flare edge and Swage

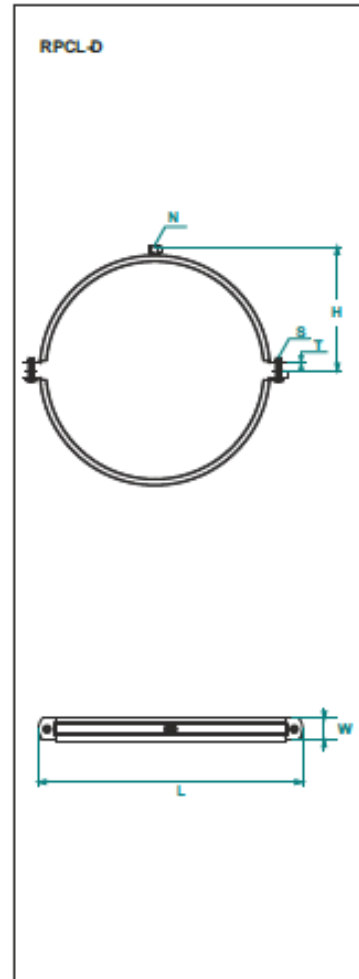


TDH-FS

| CODE | SIZE | DIAMETER (ØD) (mm) | HEIGHT 1 (H1) (mm) | HEIGHT 2 (H2) (mm) | SHEET (TxW) (mm) | HOLE DIA. (ØD) (mm) | BREAKING LOAD (kN) | RECOMMENDED LOAD (kN) | QUANTITY PER BOX (Pcs) | WEIGHT (ORTALAM / AVERAGE) (kg) |
|------------|--------|--------------------------|--------------------------|--------------------------|------------------------|---------------------------|--------------------------|-----------------------------|------------------------------|---------------------------------------|
| TDH-FS 015 | 1/2" | 28 | 48 | 63.5 | 1.5x25 | 10.5 | 1.5 | 1.5 | 100 | 5.97 |
| TDH-FS 020 | 3/4" | 30 | 50 | 66.5 | 1.5x25 | 10.5 | 1.5 | 1.5 | 100 | 6.42 |
| TDH-FS 025 | 1" | 36 | 59 | 78.5 | 1.5x25 | 10.5 | 1.5 | 1.5 | 75 | 5.32 |
| TDH-FS 032 | 1 1/4" | 46 | 63 | 87.5 | 1.5x25 | 10.5 | 1.5 | 1.5 | 50 | 4.15 |
| TDH-FS 040 | 1 1/2" | 52 | 66 | 93.5 | 1.5x25 | 10.5 | 1.5 | 1.5 | 50 | 4.38 |
| TDH-FS 050 | 2" | 66 | 72 | 106.5 | 1.5x25 | 10.5 | 1.5 | 1.5 | 40 | 4.05 |
| TDH-FS 065 | 2 1/2" | 78 | 94 | 135.5 | 2.5x25 | 10.5 | 3.9 | 3.9 | 30 | 5.92 |
| TDH-FS 080 | 3" | 92 | 101 | 149.5 | 2.5x25 | 10.5 | 3.9 | 3.9 | 25 | 5.59 |
| TDH-FS 100 | 4" | 116 | 122 | 182.5 | 2.5x25 | 10.5 | 3.9 | 3.9 | 30 | 8.05 |
| TDH-FS 125 | 5" | 142 | 151.5 | 225.5 | 3x25 | 13 | 7.5 | 7.5 | 25 | 9.88 |
| TDH-FS 150 | 6" | 170 | 176.5 | 264.5 | 3x25 | 13 | 7.5 | 7.5 | 20 | 8.94 |
| TDH-FS 200 | 8" | 222 | 226.5 | 340.5 | 3x40 | 17 | 13 | 13 | 10 | 14.3 |
| TDH-FS 250 | 10" | 275 | 285.5 | 426 | 3x40 | 17 | 13 | 13 | 10 | 12.25 |

PIPE CLAMPS

Duct Clamp - Rubber Lined

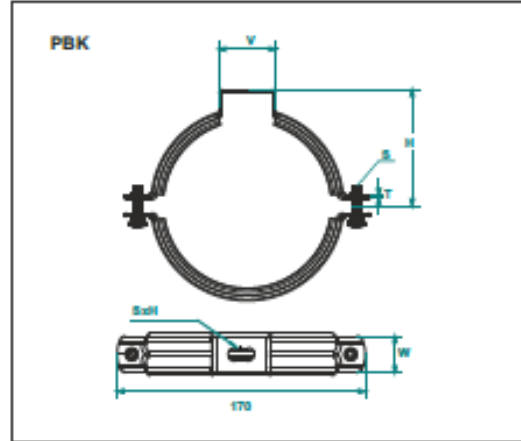


RPCL-D

| CODE | SIZE | PIPE DIAMETER (Ø) (mm) | LENGTH (L) (mm) | HIGHT (H) (mm) | SHEET (T/W) (mm) | NUT (N) (metric) | SCREW (S) (metric) | QUANTITY (PER BOX) (Pcs) | WEIGHT (DILAMANG / AVERAGE) |
|-------------|------|------------------------------|-----------------------|----------------------|------------------------|------------------------|--------------------------|--------------------------------|--------------------------------|
| RPCL-D 0071 | 71 | 73.4 | 117 | 52 | 1.5x20 | M8 | M6 | 40 | 4.618 |
| RPCL-D 0080 | 80 | 82.4 | 125 | 55.5 | 1.5x20 | M8 | M6 | 35 | 4.419 |
| RPCL-D 0090 | 90 | 92.6 | 136 | 61.5 | 1.5x20 | M8 | M6 | 35 | 4.794 |
| RPCL-D 0100 | 100 | 103.6 | 147 | 67 | 1.5x20 | M8 | M6 | 35 | 5.217 |
| RPCL-D 0112 | 112 | 115.6 | 159 | 73 | 1.5x20 | M8 | M6 | 35 | 5.616 |
| RPCL-D 0125 | 125 | 128.6 | 172 | 79.5 | 1.5x20 | M8 | M6 | 35 | 6.133 |
| RPCL-D 0140 | 140 | 143.6 | 186 | 86.5 | 1.5x20 | M8 | M6 | 30 | 5.682 |
| RPCL-D 0150 | 150 | 153.6 | 197 | 92 | 1.5x20 | M8 | M6 | 30 | 6.004 |
| RPCL-D 0160 | 160 | 163.6 | 209 | 98 | 1.5x20 | M8 | M6 | 30 | 6.487 |
| RPCL-D 0180 | 180 | 183.6 | 229 | 108 | 1.5x20 | M8 | M6 | 25 | 5.959 |
| RPCL-D 0200 | 200 | 203.6 | 247 | 117 | 1.5x20 | M8 | M6 | 20 | 5.203 |
| RPCL-D 0224 | 224 | 227.6 | 280 | 132 | 2x25 | M8 | M6 | 15 | 6.453 |
| RPCL-D 0250 | 250 | 253.6 | 306 | 145 | 2x25 | M8 | M6 | 20 | 9.378 |
| RPCL-D 0280 | 280 | 284.8 | 336 | 160 | 2x25 | M8 | M6 | 20 | 10.38 |
| RPCL-D 0300 | 300 | 304.8 | 357 | 170.5 | 2x25 | M8 | M6 | 20 | 11.02 |
| RPCL-D 0315 | 315 | 319.8 | 372 | 178 | 2x25 | M8 | M6 | 20 | 11.51 |
| RPCL-D 0355 | 355 | 359.8 | 412 | 198 | 2x25 | M8 | M6 | 20 | 12.8 |
| RPCL-D 0400 | 400 | 404.8 | 457 | 220.5 | 2x25 | M8 | M6 | 20 | 14.24 |
| RPCL-D 0450 | 450 | 454.8 | 507 | 245.5 | 2x25 | M8 | M6 | 15 | 12.17 |
| RPCL-D 0500 | 500 | 504.8 | 557 | 270.5 | 2x25 | M8 | M6 | 10 | 11.43 |
| RPCL-D 0560 | 560 | 564.8 | 627 | 300 | 2.5x25 | M8 | M10 | 10 | 12.58 |
| RPCL-D 0600 | 600 | 604.8 | 667 | 320 | 2.5x25 | M8 | M10 | 10 | 13.33 |
| RPCL-D 0630 | 630 | 636 | 697 | 335 | 2.5x25 | M8 | M10 | 10 | 13.94 |

PIPE CLAMPS

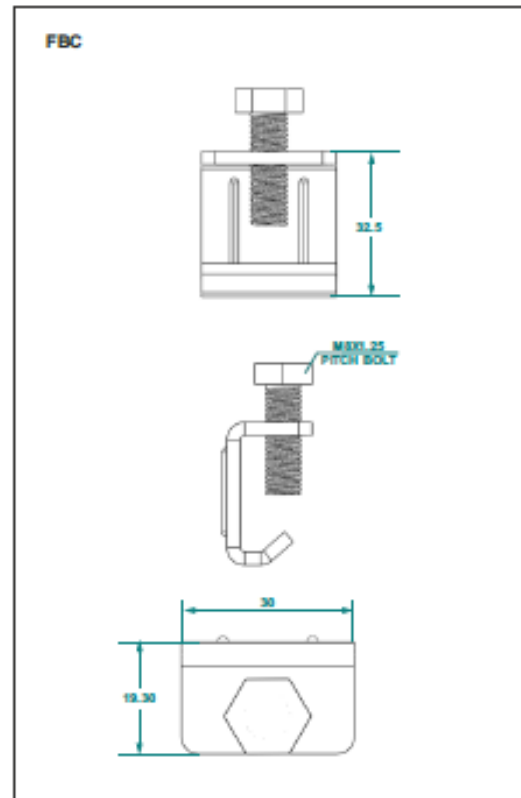
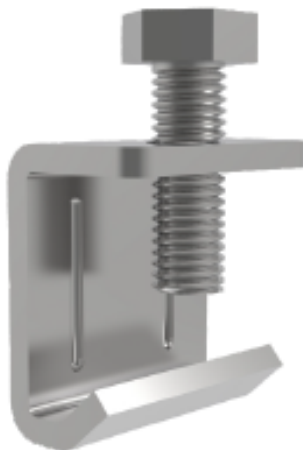
PVC Pipe Clamp



PBK

| CODE | SIZE | CLAMPING RANGE (mm) | HEIGHT (H) (mm) | SHEET (TxW) (mm) | BÖLGESİ (V) (mm) | SLOT HOLE (SxH) (mm) | SCREW (S) (metric) | BREAKING LOAD (kN) | RECOMMENDED LOAD (kN) | QUANTITY PER BOX | WGHT (ORTALAMA /AVERAGE) (kg) |
|---------|------|---------------------|-----------------|------------------|------------------|----------------------|--------------------|--------------------|-----------------------|------------------|-------------------------------|
| PBK 050 | 50 | 48 - 53 | 45.5 | 1.2x20 | 36 | 9x18 | M5 | 1.2 | 0.4 | 75 | 5.13 |
| PBK 075 | 75 | 74 - 81 | 58.5 | 1.5x25 | 36 | 9x18 | M6 | 1.2 | 0.4 | 50 | 7.51 |
| PBK 100 | 100 | 100 - 108 | 74.5 | 1.5x25 | 36 | 9x18 | M6 | 2 | 0.7 | 30 | 5.93 |
| PBK 125 | 125 | 121 - 130 | 89.5 | 2x25 | 36 | 12.5x20 | M6 | 2 | 0.7 | 25 | 6.86 |
| PBK 150 | 150 | 150 - 159 | 103.5 | 2x25 | 36 | 12.5x20 | M6 | 2 | 0.7 | 20 | 6.30 |
| PBK 200 | 200 | 193 - 204 | 134.5 | 2x25 | 36 | 12.5x20 | M6 | 2 | 0.7 | 10 | 4 |

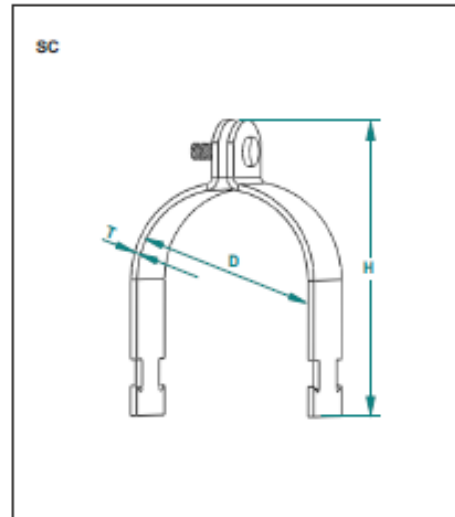
FLANGE BEAM CLAMP



| CODE | SIZE | LENGTH (L) (mm) | HEIGHT (H) (mm) | QUANTITY (PER BOX) (Pcs) | WGHT (ORTALAMA KG /AVERAGE KG) |
|---------|------|-----------------|-----------------|--------------------------|--------------------------------|
| FBC 08Z | M8 | 30 | 32.5 | 50 | 0.049 |

PIPE CLAMPS

STRUT CLAMPS (SC)



| CODE | SIZE Range D (mm) | SIZE Range D (Inche) | Material Thickness (mm) | Weight 100 pcs (kg) |
|--------|----------------------|-------------------------|----------------------------|---------------------------|
| SC1108 | 8.7 - 10.3 | - | 1.5mm | 1.3kg |
| SC1109 | 10.3 - 12.7 | - | 1.5mm | 1.4kg |
| SC1110 | 11.9 - 13.5 | - | 1.5mm | 1.5kg |
| SC1111 | 13.5 - 14.3 | - | 1.5mm | 1.5kg |
| SC1112 | 14.3 - 16.7 | - | 1.5mm | 1.6kg |
| SC1113 | 15.9 - 18.3 | 3/8" | 1.5mm | 1.7kg |
| SC1114 | 18.3 - 20.6 | - | 1.5mm | 1.8kg |
| SC1115 | 19.0 - 21.4 | - | 1.5mm | 1.8kg |
| SC1116 | 21.4 - 25.4 | 1/2" | 1.5mm | 2.0kg |
| SC1117 | 25.4 - 27.8 | 3/4" | 1.5mm | 2.2kg |
| SC1118 | 27.0 - 30.2 | - | 1.5mm | 2.2kg |
| SC1119 | 30.2 - 33.8 | - | 1.5mm | 2.3kg |
| SC1120 | 31.8 - 35.9 | 1" | 1.5mm | 2.5kg |
| SC1121 | 34.9 - 39.7 | - | 1.5mm | 2.7kg |
| SC1122 | 39.7 - 42.9 | - | 1.5mm | 2.8kg |
| SC1123 | 42.9 - 46.8 | 1-1/4" | 1.5mm | 2.9kg |
| SC1124 | 46.8 - 50.8 | 1-1/2" | 2.5mm | 5.0kg |
| SC1125 | 48.4 - 52.4 | - | 2.5mm | 5.3kg |
| SC1126 | 52.4 - 58.7 | - | 2.5mm | 5.5kg |
| SC1127 | 58.7 - 63.5 | 2" | 2.5mm | 6.0kg |
| SC1128 | 63.5 - 68.3 | - | 2.5mm | 6.5kg |
| SC1129 | 68.3 - 73.0 | - | 2.5mm | 6.8kg |
| SC1130 | 73.0 - 79.4 | 2-1/2" | 2.5mm | 7.3kg |
| SC1131 | 76.2 - 82.6 | - | 2.5mm | 7.8kg |

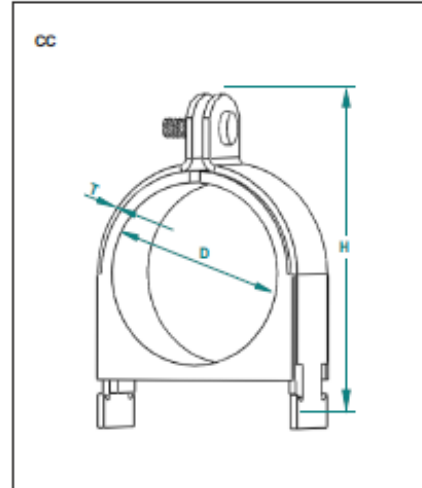
| CODE | SIZE Range D (mm) | SIZE Range D (Inche) | Material Thickness (mm) | Weight 100 pcs (kg) |
|--------|----------------------|-------------------------|----------------------------|---------------------------|
| SC1132 | 82.60 - 88.10 | - | 2.5mm | 8.2kg |
| SC1133 | 88.10 - 95.20 | 3" | 2.5mm | 8.3kg |
| SC1134 | 95.20 - 100.0 | - | 2.5mm | 9.1kg |
| SC1135 | 100.0 - 106.4 | 3-1/2" | 2.5mm | 9.3kg |
| SC1136 | 106.4 - 111.1 | - | 2.5mm | 9.8kg |
| SC1137 | 111.1 - 120.7 | 4" | 2.5mm | 10.3kg |
| SC1138 | 120.7 - 129.4 | - | 2.5mm | 11.2kg |
| SC1139 | 129.4 - 138.1 | - | 2.5mm | 11.8kg |
| SC1140 | 138.1 - 149.2 | 6" | 2.5mm | 12.6kg |
| SC1141 | 149.2 - 161.9 | - | 2.5mm | 13.6kg |
| SC1142 | 161.9 - 174.6 | 6" | 2.5mm | 14.6kg |
| SC1143 | 174.6 - 182.6 | - | 2.5mm | 15.7kg |
| SC1144 | 182.6 - 190.5 | - | 2.5mm | 15.7kg |
| SC1145 | 190.5 - 203.2 | - | 2.5mm | 16.9kg |
| SC1146 | 203.2 - 212.7 | - | 2.5mm | 17.8kg |
| SC1147 | 212.7 - 225.4 | 8" | 2.5mm | 18.8kg |
| SC1148 | 225.4 - 238.1 | - | 2.5mm | 20.0kg |
| SC1149 | 238.1 - 250.8 | - | 2.5mm | 20.8kg |
| SC1150 | 250.8 - 263.5 | - | 2.5mm | 28.9kg |
| SC1151 | 263.5 - 276.2 | 10" | 2.5mm | 22.8kg |
| SC1152 | 275.2 - 288.9 | - | 2.5mm | 24.0kg |
| SC1153 | 288.9 - 301.6 | - | 2.5mm | 25.0kg |
| SC1154 | 301.6 - 314.3 | - | 2.5mm | 25.9kg |
| SC1155 | 314.3 - 327.0 | 12" | 2.5mm | 26.8kg |

PIPE CLAMPS

CUSHION CLAMP (CC)



Fire rated



Finish

- Dura gold
- Dura silver

| CODE | SIZE Range D (mm) | Material Thickness (mm) | Weight 100 pcs (kg) |
|--------|----------------------|----------------------------|---------------------------|
| CC 006 | 1/4" | 1.5mm | 4.5kg |
| CC 009 | 3/8" | 1.5mm | 5.0kg |
| CC 013 | 1/2" | 1.5mm | 5.9kg |
| CC 016 | 5/8" | 2.0mm | 6.4kg |
| CC 019 | 3/4" | 2.0mm | 6.4kg |
| CC 022 | 7/8" | 2.0mm | 6.8kg |
| CC 025 | 1" | 2.0mm | 7.7kg |
| CC 028 | 1-1/8" | 2.0mm | 8.2kg |
| CC 032 | 1-1/4" | 2.0mm | 8.2kg |
| CC 035 | 1-3/8" | 2.0mm | 9.1kg |
| CC 038 | 1-1/2" | 2.0mm | 15.0kg |
| CC 041 | 1-5/8" | 2.5mm | 15.9kg |
| CC 045 | 1-3/4" | 2.5mm | 16.8kg |
| CC 048 | 1-7/8" | 2.5mm | 17.7kg |
| CC 051 | 2" | 2.5mm | 20.9kg |
| CC 054 | 2-1/8" | 2.5mm | 21.8kg |
| CC 060 | 2-3/8" | 2.5mm | 22.2kg |
| CC 064 | 2-1/2" | 2.5mm | 23.1kg |
| CC 067 | 2-5/8" | 2.5mm | 24.9kg |
| CC 073 | 2-7/8" | 2.5mm | 25.9kg |
| CC 076 | 3" | 2.5mm | 27.2kg |
| CC 079 | 3-1/8" | 2.5mm | 27.2kg |
| CC 084 | 3-5/16" | 2.5mm | 28.1kg |
| CC 089 | 3-1/2" | 2.5mm | 24.9kg |
| CC 092 | 3-5/8" | 2.5mm | 31.8kg |
| CC 102 | 4" | 2.5mm | 30.9kg |
| CC 105 | 4-1/8" | 2.5mm | 42.8kg |
| CC 110 | 4-5/16" | 2.5mm | 45.4kg |
| CC 114 | 4-1/2" | 2.5mm | 49.9kg |
| CC 130 | 5-1/8" | 2.5mm | 56.7kg |
| CC 155 | 6-1/8" | 2.5mm | 59.0kg |

Cushion Clamp

Channel mounted clamping systems are ideal for multiple line runs, while absorbing shock and vibration unwanted noise, and preventing galvanic corrosion. Cushion clamp fits any standard 1-5/8" wide channel .

Assemble consisting of steel clamp with locknut and thermoplastic elastomer cushion. All parts are marked for easy identification and packaged for small lot or bulk use. When specified, Cushion clamp assemblies up to 2", are available individually packaged.

The Clamp

Features a unique shoulder stud which is securely fastened to one clamp half. Steel clamps for tube sizes up to 1-3/8" have to "Controlled Squeeze" design which eliminates over-tightening and rotation while a nylon-insert nut assures a positive lock. Clamps are available I steel (with electro-dichomate finish), and stainless steel type 304. (Contact factory for type 316).

The Cushion

Made from a thermoplastic elastomer, it's built tough to withstand the effects of most oils chemicals and industrial cleaning compounds, in temperatures from -50°F to 275°F interlock edges and channel locator legs ensure that cushion remains in place.

INSTALLATION

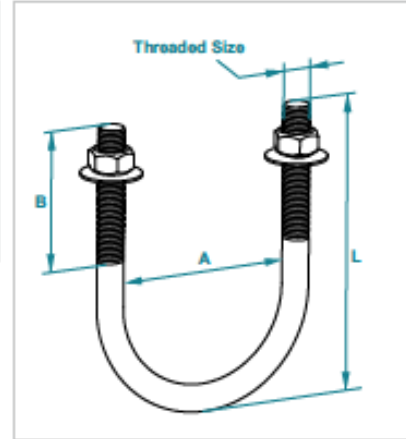
One man, one tool time savings. Retrofits can be added without disassembly. The "Living Hinge" allows the cushion to be spread apart for quick, easy installation on sizes from 1/4" through 1-3/4"

PIPE CLAMPS

Round U-Bolt Pipe Clamp

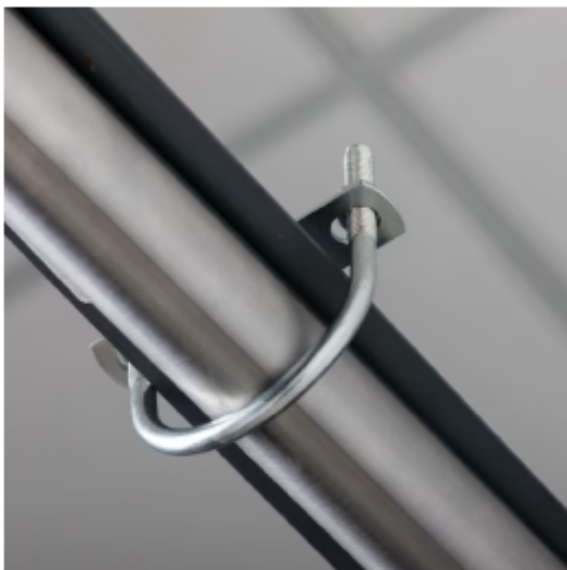


1 set includes
U bolts + 2 hex nuts + 2 plain washers
Material / Matzeme
Steel
Standard Finish
Zinc plated / Elektrovaniz
Service
Designed as support, guide or anchor
of pipe



RUB

| CODE | PIPE SIZE | | PRODUCT DESCRIPTION | THREAD SIZE | A | L | B | LOAD kN Up to 343 | WEIGHT Kg/Set |
|----------------|-----------|----------|--|-------------|--------|--------|---------------|-------------------------|------------------|
| | NOMINAL | OUTER | | | mm | mm | mm | | |
| | NB | DIAMETER | | | Inside | Length | Thread Length | | |
| RUB 15 M6 EG | 15 | 21.3 | 1/2" U bolt M6x50 with 2pc - M6 Hex nuts & Plain washers - EG | M6 | 24 | 50 | 30 | 0.64 | 0.020 |
| RUB 20 M6 EG | 20 | 26.9 | 3/4" U bolt M6x60 with 2pc - M6 Hex nuts & Plain washers - EG | M6 | 30 | 60 | 30 | 0.64 | 0.024 |
| RUB 25 M8 EG | 25 | 33.7 | 1" U bolt M8x70 with 2pc - M8 Hex nuts & Plain washers - EG | M8 | 36 | 70 | 30 | 0.64 | 0.053 |
| RUB 32 M8 EG | 32 | 42.4 | 1 1/4" U bolt M8x90 with 2pc - M8 Hex nuts & Plain washers - EG | M8 | 46 | 90 | 40 | 0.64 | 0.061 |
| RUB 40 M8 EG | 40 | 48.3 | 1 1/2" U bolt M8x90 with 2pc - M8 Hex nuts & Plain washers - EG | M8 | 52 | 90 | 50 | 0.64 | 0.068 |
| RUB 50 M10 EG | 50 | 60.3 | 2" U bolt M10x100 with 2pc - M10 Hex nuts & Plain washers - EG | M10 | 64 | 100 | 50 | 1.62 | 0.121 |
| RUB 65 M10 EG | 65 | 76.1 | 2 1/2" U bolt M10x120 with 2pc - M10 Hex nuts & Plain washers - EG | M10 | 78 | 120 | 50 | 1.62 | 0.145 |
| RUB 80 M12 EG | 80 | 88.9 | 3" U bolt M12x140 with 2pc - M12 Hex nuts & Plain washers - EG | M12 | 94 | 140 | 60 | 3 | 0.245 |
| RUB 90 M12 EG | 90 | 101.6 | 3 1/2" U bolt M12x150 with 2pc - M12 Hex nuts & Plain washers - EG | M12 | 106 | 150 | 65 | 3 | 0.264 |
| RUB 100 M12 EG | 100 | 114.3 | 4" U bolt M12x160 with 2pc - M12 Hex nuts & Plain washers - EG | M12 | 118 | 160 | 65 | 3 | 0.283 |
| RUB 125 M12 EG | 125 | 139.7 | 5" U bolt M12x200 with 2pc - M12 Hex nuts & Plain washers - EG | M12 | 146 | 200 | 65 | 3 | 0.352 |
| RUB 150 M16 EG | 150 | 165.3 | 6" U bolt M16x220 with 2pc - M16 Hex nuts & Plain washers - EG | M16 | 172 | 220 | 90 | 3.65 | 0.739 |
| RUB 200 M16 EG | 200 | 219.1 | 8" U bolt M16x270 with 2pc - M16 Hex nuts & Plain washers - EG | M16 | 224 | 270 | 90 | 3.65 | 0.914 |
| RUB 250 M16 EG | 250 | 273 | 10" U bolt M16x334 with 2pc - M16 Hex nuts & Plain washers - EG | M16 | 278 | 334 | 100 | 3.65 | 1.128 |
| RUB 300 M16 EG | 300 | 324 | 12" U bolt M16x380 with 2pc - M16 Hex nuts & Plain washers - EG | M16 | 328 | 380 | 100 | 3.65 | 1.290 |
| RUB 350 M18 EG | 350 | 355.6 | 14" U bolt M18x413 with 2pc - M18 Hex nuts & Plain washers - EG | M18 | 360 | 413 | 100 | 4 | 1.811 |
| RUB 400 M20 EG | 400 | 406.4 | 16" U bolt M20x470 with 2pc - M20 Hex nuts & Plain washers - EG | M20 | 412 | 470 | 120 | 4.8 | 2.584 |
| RUB 450 M20 EG | 450 | 457 | 18" U bolt M20x520 with 2pc - M20 Hex nuts & Plain washers - EG | M20 | 464 | 520 | 120 | 4.8 | 2.866 |
| RUB 500 M24 EG | 500 | 508 | 20" U bolt M24x582 with 2pc - M24 Hex nuts & Plain washers - EG | M24 | 514 | 582 | 120 | | 4.711 |
| RUB 600 M24 EG | 600 | 610 | 24" U bolt M24x700 with 2pc - M24 Hex nuts & Plain washers - EG | M24 | 616 | 700 | 120 | | 5.653 |



STRUT FOOT

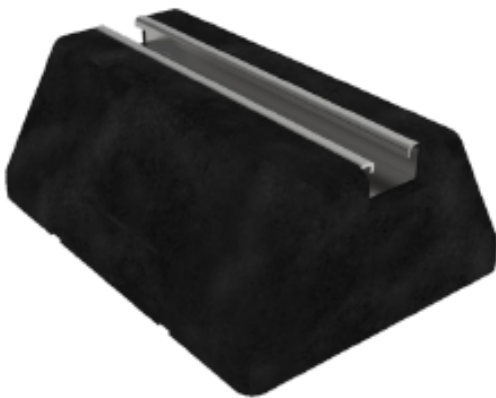
Strut Foot H Frame



| CODE | Width (mm) | Length (mm) |
|----------|------------|-------------|
| SFHF600 | 1200 | 600 |
| SFHF800 | 1200 | 800 |
| SFHF1000 | 1200 | 1000 |
| SFHF1500 | 1200 | 1500 |
| SFHF2000 | 1200 | 2000 |



Strut Foot Rubber Feet



| CODE | Height (mm) | Width (mm) | Length (mm) | Max Loading Per Foot (kg) |
|----------|-------------|------------|-------------|---------------------------|
| SRRF250 | 95 | 180 | 250 | 190 |
| SRRF400 | 95 | 180 | 400 | 240 |
| SRRF600 | 95 | 180 | 600 | 450 |
| SRRF1000 | 95 | 180 | 1000 | 645 |

MOUNTING & FASTENERS

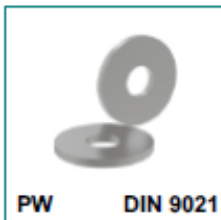
Mounting and Fasteners



CFS



CSP



MOUNTING & FASTENERS

Round Head Squire Neck Bolt (C)



| CODE | Thread Metric | Length L mm | U.G. 1 pc | Box |
|---------|---------------|-------------|-----------|-----|
| C M6 | M6 | 15 | 0.004 | 500 |
| C M6 20 | M6 | 20 | 0.005 | 500 |
| C M8 | M8 | 15 | 0.007 | 500 |
| C M8 25 | M8 | 25 | 0.012 | 500 |

| CODE | Thread Metric | Length L mm | U.G. 1 pc | Box |
|---------|---------------|-------------|-----------|-----|
| C M6 | M6 | 15 | 0.004 | 500 |
| C M6 20 | M6 | 20 | 0.005 | 500 |
| C M8 | M8 | 15 | 0.007 | 500 |
| C M8 25 | M8 | 25 | 0.012 | 500 |

DIN 6923 Flanged Nut (FLN)



| CODE | Thread Metric | U.G. 1 pc | Box |
|---------|---------------|-----------|-----|
| FLN M6 | M6 | 0.003 | 500 |
| FLN M8 | M8 | 0.006 | 500 |
| FLN M10 | M10 | 0.014 | 500 |
| FLN M12 | M12 | 0.030 | 500 |

| CODE | Thread Metric | U.G. 1 pc | Box |
|---------|---------------|-----------|-----|
| FLN M6 | M6 | 0.003 | 500 |
| FLN M8 | M8 | 0.006 | 500 |
| FLN M10 | M10 | 0.015 | 500 |
| FLN M12 | M12 | 0.032 | 500 |

DIN 934 Hex Nut (HXN)



| CODE | Thread Metric | U.G. 1 pc | Box |
|---------|---------------|-----------|-----|
| HXN M6 | M6 | 0.002 | 500 |
| HXN M8 | M8 | 0.004 | 500 |
| HXN M10 | M10 | 0.010 | 500 |
| HXN M12 | M12 | 0.020 | 500 |

| CODE | Thread Metric | U.G. 1 pc | Box |
|---------|---------------|-----------|-----|
| HXN M6 | M6 | 0.002 | 500 |
| HXN M8 | M8 | 0.004 | 500 |
| HXN M10 | M10 | 0.011 | 500 |
| HXN M12 | M12 | 0.021 | 500 |

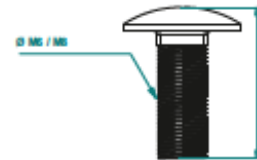
DIN 125 Flat Washer (FW)



| CODE | Thread Metric | U.G. 1 pc | Box |
|--------|---------------|-----------|-----|
| FW M6 | M6 | 0.001 | 500 |
| FW M8 | M8 | 0.002 | 500 |
| FW M10 | M10 | 0.004 | 500 |
| FW M12 | M12 | 0.008 | 500 |

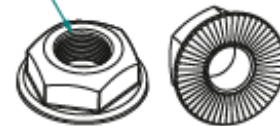
| CODE | Thread Metric | U.G. 1 pc | Box |
|--------|---------------|-----------|-----|
| FW M6 | M6 | 0.001 | 500 |
| FW M8 | M8 | 0.002 | 500 |
| FW M10 | M10 | 0.004 | 500 |
| FW M12 | M12 | 0.008 | 500 |

C



FLN

Ø M6 / M8 / M10 / M12



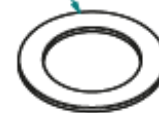
HXN

Ø M6 / M8 / M10 / M12



FW

Ø M6 / M8 / M10 / M12



MOUNTING & FASTENERS

DIN 933 Hex Bolt (HHB)



| HHB | | M6 | | | |
|----------|---------------|-------------|-------------|--------|--------|
| CODE | Thread Metric | Length L mm | Weight T pc | Icon 1 | Icon 2 |
| AC M6 20 | M6 | 20 | 0.006 | 250 | |
| AC M6 25 | M6 | 25 | 0.007 | 250 | |
| AC M6 30 | M6 | 30 | 0.008 | 200 | |
| AC M6 35 | M6 | 35 | 0.009 | 200 | |
| AC M6 40 | M6 | 40 | 0.010 | 200 | |

| HHB | | M8 | | | |
|----------|---------------|-------------|-------------|--------|--------|
| CODE | Thread Metric | Length L mm | Weight T pc | Icon 1 | Icon 2 |
| AC M8 20 | M8 | 20 | 0.012 | 300 | |
| AC M8 25 | M8 | 25 | 0.013 | 300 | |
| AC M8 30 | M8 | 30 | 0.014 | 300 | |
| AC M8 35 | M8 | 35 | 0.015 | 300 | |
| AC M8 40 | M8 | 40 | 0.016 | 300 | |
| AC M8 50 | M8 | 50 | 0.021 | 300 | |
| AC M8 60 | M8 | 60 | 0.024 | 300 | |
| AC M8 70 | M8 | 70 | 0.027 | 300 | |

| HHB | | M10 | | | |
|-----------|---------------|-------------|-------------|--------|--------|
| CODE | Thread Metric | Length L mm | Weight T pc | Icon 1 | Icon 2 |
| AC M10 20 | M10 | 20 | 0.020 | 300 | |
| AC M10 25 | M10 | 25 | 0.023 | 300 | |
| AC M10 30 | M10 | 30 | 0.025 | 300 | |
| AC M10 35 | M10 | 35 | 0.026 | 300 | |
| AC M10 40 | M10 | 40 | 0.033 | 300 | |
| AC M10 50 | M10 | 50 | 0.036 | 300 | |
| AC M10 60 | M10 | 60 | 0.043 | 300 | |
| AC M10 70 | M10 | 70 | 0.046 | 300 | |
| AC M10 80 | M10 | 80 | 0.053 | 300 | |
| AC M10 90 | M10 | 90 | 0.056 | 300 | |

| HHB | | M12 | | | |
|-----------|---------------|-------------|-------------|--------|--------|
| CODE | Thread Metric | Length L mm | Weight T pc | Icon 1 | Icon 2 |
| AC M12 25 | M12 | 25 | 0.031 | 50 | |
| AC M12 30 | M12 | 30 | 0.036 | 50 | |
| AC M12 35 | M12 | 35 | 0.039 | 50 | |
| AC M12 40 | M12 | 40 | 0.043 | 50 | |
| AC M12 50 | M12 | 50 | 0.051 | 50 | |
| AC M12 60 | M12 | 60 | 0.060 | 50 | |
| AC M12 70 | M12 | 70 | 0.066 | 50 | |
| AC M12 80 | M12 | 80 | 0.076 | 50 | |
| AC M12 90 | M12 | 90 | 0.084 | 50 | |

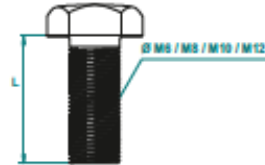
| AC | | M6 | | | |
|----------|---------------|-------------|-------------|--------|--------|
| CODE | Thread Metric | Length L mm | Weight T pc | Icon 1 | Icon 2 |
| AC M6 20 | M6 | 20 | 0.006 | 250 | |
| AC M6 25 | M6 | 25 | 0.007 | 250 | |
| AC M6 30 | M6 | 30 | 0.008 | 200 | |
| AC M6 35 | M6 | 35 | 0.009 | 200 | |
| AC M6 40 | M6 | 40 | 0.010 | 200 | |

| AC | | M8 | | | |
|----------|---------------|-------------|-------------|--------|--------|
| CODE | Thread Metric | Length L mm | Weight T pc | Icon 1 | Icon 2 |
| AC M8 20 | M8 | 20 | 0.012 | 300 | |
| AC M8 25 | M8 | 25 | 0.013 | 300 | |
| AC M8 30 | M8 | 30 | 0.014 | 300 | |
| AC M8 35 | M8 | 35 | 0.015 | 300 | |
| AC M8 40 | M8 | 40 | 0.016 | 300 | |
| AC M8 50 | M8 | 50 | 0.021 | 300 | |
| AC M8 60 | M8 | 60 | 0.024 | 300 | |
| AC M8 70 | M8 | 70 | 0.027 | 300 | |

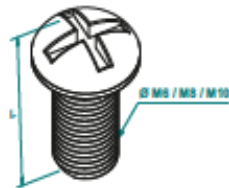
| AC | | M10 | | | |
|-----------|---------------|-------------|-------------|--------|--------|
| CODE | Thread Metric | Length L mm | Weight T pc | Icon 1 | Icon 2 |
| AC M10 20 | M10 | 20 | 0.020 | 300 | |
| AC M10 25 | M10 | 25 | 0.023 | 300 | |
| AC M10 30 | M10 | 30 | 0.025 | 300 | |
| AC M10 35 | M10 | 35 | 0.026 | 300 | |
| AC M10 40 | M10 | 40 | 0.033 | 300 | |
| AC M10 50 | M10 | 50 | 0.036 | 300 | |
| AC M10 60 | M10 | 60 | 0.043 | 300 | |
| AC M10 70 | M10 | 70 | 0.046 | 300 | |
| AC M10 80 | M10 | 80 | 0.053 | 300 | |
| AC M10 90 | M10 | 90 | 0.056 | 300 | |

| AC | | M12 | | | |
|-----------|---------------|-------------|-------------|--------|--------|
| CODE | Thread Metric | Length L mm | Weight T pc | Icon 1 | Icon 2 |
| AC M12 25 | M12 | 25 | 0.031 | 50 | |
| AC M12 30 | M12 | 30 | 0.036 | 50 | |
| AC M12 35 | M12 | 35 | 0.039 | 50 | |
| AC M12 40 | M12 | 40 | 0.043 | 50 | |
| AC M12 50 | M12 | 50 | 0.051 | 50 | |
| AC M12 60 | M12 | 60 | 0.060 | 50 | |
| AC M12 70 | M12 | 70 | 0.066 | 50 | |
| AC M12 80 | M12 | 80 | 0.076 | 50 | |
| AC M12 90 | M12 | 90 | 0.084 | 50 | |

HHB



YSB



DIN 7985 Roofing Bolt (YSB)



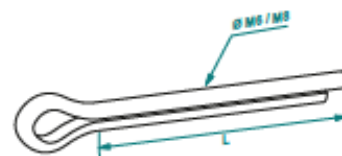
| YSB | | | | | |
|------------|---------------|-------------|-------------|--------|--------|
| CODE | Thread Metric | Length L mm | Weight T pc | Icon 1 | Icon 2 |
| YSB M6 40 | M6 | 40 | 0.010 | 100 | |
| YSB M8 40 | M8 | 40 | 0.010 | 100 | |
| YSB M10 40 | M10 | 40 | 0.010 | 100 | |

DIN 94 Splinte Pins 8x8 (KOP)



| KOP | | | | | |
|--------|---------------|-------------|-------------|--------|--------|
| CODE | Thread Metric | Length L mm | Weight T pc | Icon 1 | Icon 2 |
| KOP M6 | M6 | 70 | 0.014 | 100 | |
| KOP M8 | M8 | 90 | 0.018 | 100 | |

KOP



MOUNTING & FASTENERS

Round Head Squire Neck Bolt. Flanged Nut (CFS)



| CFS | | | | |
|--------|---------------|-------------|-------|-----|
| CODE | Thread Metric | Length L mm | 1 pc | 500 |
| CFS M6 | M6 | 15 | 0.007 | 500 |
| CFS M8 | M8 | 20 | 0.008 | 500 |
| CFS M8 | M8 | 15 | 0.013 | 500 |

| CFS | | | | |
|--------|---------------|-------------|-------|-----|
| CODE | Thread Metric | Length L mm | 1 pc | 500 |
| CFS M6 | M6 | 15 | 0.007 | 500 |
| CFS M8 | M8 | 20 | 0.008 | 500 |
| CFS M8 | M8 | 15 | 0.013 | 500 |

Round Head Squire Neck Bolt. Hex Nut. Washer (CSP)



| CSP | | | | |
|--------|---------------|-------------|-------|-----|
| CODE | Thread Metric | Length L mm | 1 pc | 500 |
| CSP M6 | M6 | 15 | 0.007 | 500 |
| CSP M8 | M8 | 15 | 0.013 | 500 |

| CSP | | | | |
|--------|---------------|-------------|-------|-----|
| CODE | Thread Metric | Length L mm | 1 pc | 500 |
| CSP M6 | M6 | 15 | 0.007 | 500 |
| CSP M8 | M8 | 15 | 0.013 | 500 |

DIN 127 Spring Washers (SW)



| SW | | | | |
|--------|---------------|-------|-----|-----|
| CODE | Thread Metric | 1 pc | 500 | 500 |
| SW M6 | M6 | 0.001 | 500 | 500 |
| SW M8 | M8 | 0.002 | 500 | 500 |
| SW M10 | M10 | 0.004 | 500 | 500 |
| SW M12 | M12 | 0.008 | 500 | 500 |

DIN 6798 Serrated Lock Washers (TP)



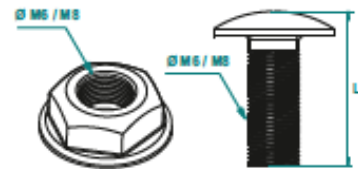
| TP | | | | |
|--------|---------------|-------|-----|-----|
| CODE | Thread Metric | 1 pc | 500 | 500 |
| TP M6 | M6 | 0.001 | 500 | 500 |
| TP M8 | M8 | 0.002 | 500 | 500 |
| TP M10 | M10 | 0.004 | 500 | 500 |
| TP M12 | M12 | 0.008 | 500 | 500 |

DIN 9021 Wide Flat (Plain) Washers (PW)

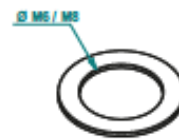
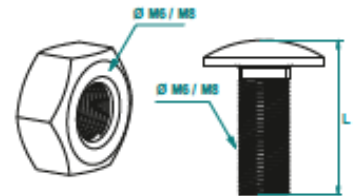


| PW | | | | |
|--------|---------------|------|-------|-----|
| CODE | Thread Metric | D mm | 1 pc | 500 |
| PW M6 | M6 | 16 | 0.002 | 500 |
| PW M8 | M8 | 24 | 0.004 | 500 |
| PW M10 | M10 | 30 | 0.008 | 500 |
| PW M12 | M12 | 37 | 0.012 | 500 |

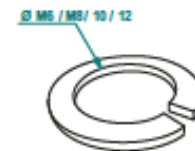
CFS M6 / CFS M8



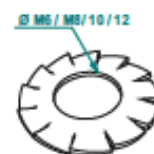
CSP



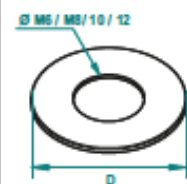
SW



TP

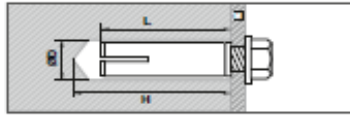


PW



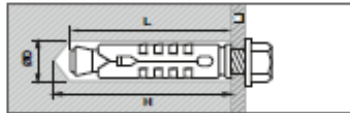
MOUNTING & FASTENERS

Drop In Anchor (CD)



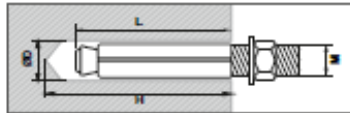
| CD | | | | | | | | | |
|--------|---------------|-------------|-------------|-------------------|---------------------|----------------------|--------------------|-----|--|
| CODE | Thread Metric | Length L mm | Height H mm | Out Diameter D mm | Max Tensile Load kN | Tightening Torque Nm | $\frac{M}{T}$ T pc | | |
| CD M6 | M6 | 20 | 20 | 7.4 | 1.00 | 5 | 0.008 | 100 | |
| CD M8 | M8 | 27 | 30 | 9.4 | 1.80 | 10 | 0.009 | 100 | |
| CD M10 | M10 | 40 | 40 | 11.6 | 3.70 | 20 | 0.016 | 50 | |
| CD M12 | M12 | 47 | 50 | 15.3 | 5.70 | 40 | 0.040 | 50 | |

Draw In Anchor (SD)



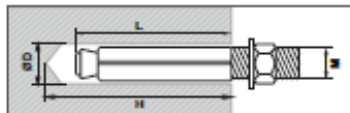
| SD | | | | | | | | | |
|--------|---------------|-------------|-------------|-------------------|----------------------|----------------------|--------------------|-----|--|
| CODE | Thread Metric | Length L mm | Height H mm | Out Diameter D mm | Safe Tensile Load kN | Tightening Torque Nm | $\frac{M}{T}$ T pc | | |
| SD M6 | M6 | 45 | 50 | 10 | 0.75 | 22 | 0.010 | 100 | |
| SD M8 | M8 | 50 | 60 | 12.5 | 3.50 | 60 | 0.014 | 100 | |
| SD M10 | M10 | 55 | 65 | 15.5 | 5.00 | 75 | 0.023 | 50 | |
| SD M12 | M12 | 65 | 75 | 19.5 | 7.50 | 115 | 0.040 | 50 | |

Sleeve Anchor Pipe Type (BD)



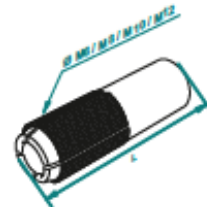
| BD | | | | | | | | | |
|------------|---------------|-------------|-------------|-------------------|----------------------|----------------------|--------------------|-----|--|
| CODE | Thread Metric | Length L mm | Height H mm | Out Diameter D mm | Safe Tensile Load kN | Tightening Torque Nm | $\frac{M}{T}$ T pc | | |
| BD M8 60 | M8 | 60 | 70 | 10 | 9.00 | 45 | 0.036 | 100 | |
| BD M10 85 | M10 | 85 | 90 | 12 | 9.00 | 45 | 0.065 | 100 | |
| BD M10 110 | M10 | 110 | 120 | 12 | 11.00 | 65 | 0.065 | 110 | |
| BD M12 90 | M12 | 90 | 100 | 16 | 11.00 | 65 | 0.110 | 100 | |
| BD M12 110 | M12 | 110 | 120 | 16 | 11.00 | 90 | 0.135 | 100 | |

Sleeve Anchor (GD)

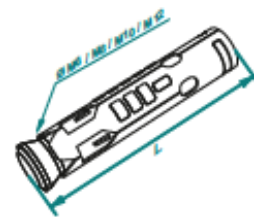


| GD | | | | | | | | | |
|------------|---------------|-------------|-------------|-------------------|----------------------|----------------------|--------------------|-----|--|
| CODE | Thread Metric | Length L mm | Height H mm | Out Diameter D mm | Safe Tensile Load kN | Tightening Torque Nm | $\frac{M}{T}$ T pc | | |
| GD M6 45 | M6 | 45 | 50 | 8 | 1.5 | 24 | 0.015 | 500 | |
| GD M6 55 | M6 | 55 | 60 | 10 | 2.0 | 28 | 0.028 | 250 | |
| GD M6 75 | M6 | 75 | 80 | 10 | 2.0 | 28 | 0.036 | 200 | |
| GD M8 70 | M8 | 70 | 75 | 12 | 3.1 | 65 | 0.045 | 100 | |
| GD M8 85 | M8 | 85 | 90 | 12 | 3.1 | 65 | 0.065 | 100 | |
| GD M8 110 | M8 | 110 | 120 | 12 | 3.1 | 65 | 0.068 | 100 | |
| GD M10 90 | M10 | 90 | 100 | 16 | 5.0 | 115 | 0.110 | 50 | |
| GD M12 110 | M12 | 110 | 120 | 16 | 5.0 | 115 | 0.135 | 50 | |

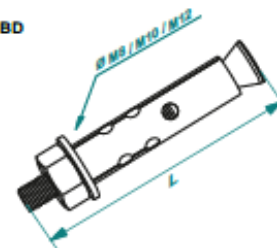
CD



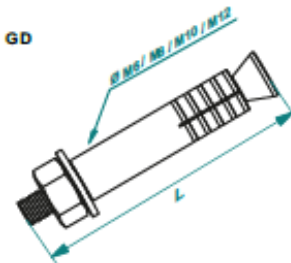
SD



BD



GD



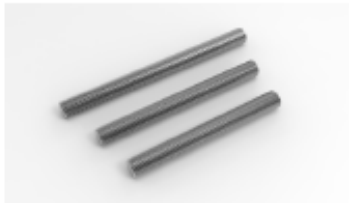
MOUNTING & FASTENERS

THREADED RODS, DIN 976-1 (TRS)



| TRS603Z | | | |
|----------|---------------|-------------|------------|
| CODE | Thread Metric | Length L mm | kg/1000 pc |
| TRS 603Z | M6 | 3000 | 177 |
| TRS 803Z | M8 | 3000 | 319 |
| TRS 103Z | M10 | 3000 | 500 |
| TRS 123Z | M12 | 3000 | 729 |
| TRS 143Z | M14 | 3000 | 970 |
| TRS 163Z | M16 | 3000 | 1330 |
| TRS 183Z | M18 | 3000 | 1850 |
| TRS 203Z | M20 | 3000 | 2580 |
| TRS 223Z | M22 | 3000 | 3540 |
| TRS 243Z | M24 | 3000 | 5000 |

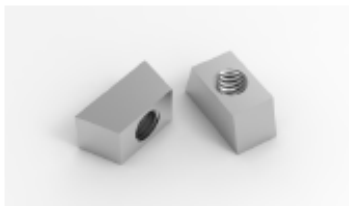
PRE CUT STUDS, DIN 976-1 (TRS)



| TRS620Z | | |
|----------|---------------|---------------|
| CODE | Thread Metric | Length L mm |
| TRS620Z | M6 | 20mm - 1000mm |
| TRS620Z | M8 | 20mm - 1000mm |
| TRS1020Z | M10 | 20mm - 1000mm |
| TRS1220Z | M12 | 20mm - 1000mm |

* Customized length also available to order

WEDGE NUTS (WN)

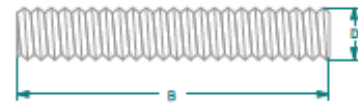


| WN WEDGE NUTS | | | |
|---------------|------|---------|-----------|
| CODE | Size | kg/1 pc | kg/100 pc |
| WN 06 | M6 | 0.020kg | 100 |
| WN 08 | M8 | 0.020kg | 100 |
| WN 10 | M10 | 0.017kg | 100 |
| WN 12 | M12 | 0.023kg | 100 |

| MWN MINI WEDGE NUTS | | | |
|---------------------|------|---------|-----------|
| CODE | Size | kg/1 pc | kg/100 pc |
| MWN 06 | M6 | 0.012kg | 100 |
| MWN 08 | M8 | 0.010kg | 100 |
| MWN 10 | M10 | 0.009kg | 100 |

| MMWN MINI-MINI WEDGE NUTS | | | |
|---------------------------|------|---------|-----------|
| CODE | Size | kg/1 pc | kg/100 pc |
| MMWN 06 | M6 | 0.009kg | 100 |
| MMWN 08 | M8 | 0.010kg | 100 |

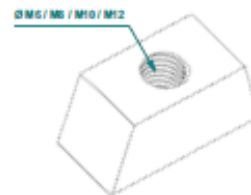
TRS603Z



TRS620Z

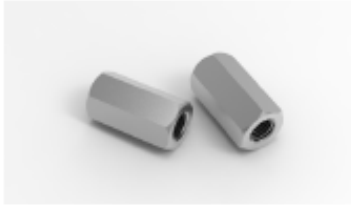




WN

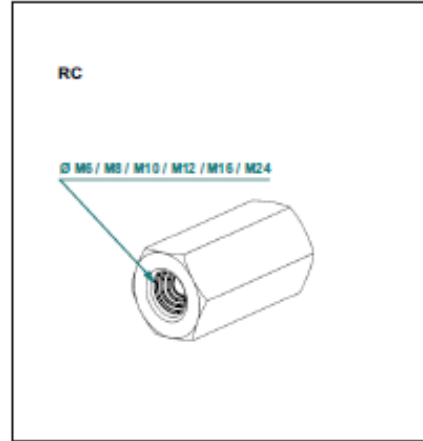


MOUNTING & FASTENERS

ROD CONNECTOR (RC)



| RC | | | |
|-------|------------|--|---|
| Code | Size |  1 pc |  |
| RC 06 | M6 X 18mm | 0.018kg | 100 |
| RC 08 | M8 X 24mm | 0.030kg | 100 |
| RC 10 | M10 X 30mm | 0.052kg | 100 |
| RC 12 | M12 X 36mm | 0.082kg | 100 |
| RC 16 | M16 X 48mm | 0.093kg | 100 |
| RC 24 | M24 X 72mm | 0.094kg | 100 |



CHANNEL NUTS

CHANNEL NUT WITHOUT SPRING (CNP)



| CNP | | | | |
|----------|---------------|-----------------|------------|--------------|
| CODE | Thread Metric | Size (mm) x (T) | Pkg. 1 pc. | Pkg. 100 pc. |
| CNP 6 | M6 | M6 X 6mm | 0.026 | 100pc |
| CNP 8 | M8 | M8 X 6mm | 0.026 | 100pc |
| CNP 10 | M10 | M10 X 6mm | 0.032 | 100pc |
| CNP 12 | M12 | M12 X 6mm | 0.031 | 100pc |
| CNP 12 A | M12A | M12 X 6mm | 0.036 | 100pc |
| CNP 16 | M16 | M16 X 12mm | 0.095 | 100pc |

CHANNEL NUT SHORT SPRING (CNS)



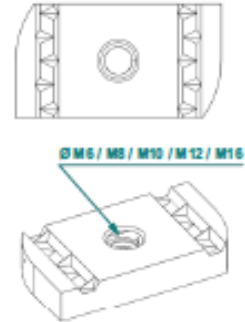
| CNS | | | | |
|----------|---------------|-----------------|------------|--------------|
| CODE | Thread Metric | Size (mm) x (T) | Pkg. 1 pc. | Pkg. 100 pc. |
| CNS 6 | M6 | M6 X 6mm | 0.026 | 100pc |
| CNS 8 | M8 | M8 X 6mm | 0.026 | 100pc |
| CNS 10 | M10 | M10 X 6mm | 0.032 | 100pc |
| CNS 12 | M12 | M12 X 6mm | 0.030 | 100pc |
| CNS 12 A | M12A | M12 X 6mm | 0.036 | 100pc |
| CNS 16 | M16 | M16 X 12mm | 0.096 | 100pc |

CHANNEL NUT LONG SPRING (CNL)

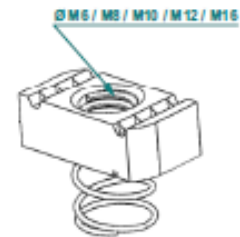


| CNL | | | | |
|----------|---------------|-----------------|------------|--------------|
| CODE | Thread Metric | Size (mm) x (T) | Pkg. 1 pc. | Pkg. 100 pc. |
| CNL 6 | M6 | M6 X 6mm | 0.027 | 100pc |
| CNL 8 | M8 | M8 X 6mm | 0.026 | 100pc |
| CNL 10 | M10 | M10 X 6mm | 0.033 | 100pc |
| CNL 12 | M12 | M12 X 6mm | 0.031 | 100pc |
| CNL 12 A | M12A | M12 X 6mm | 0.038 | 100pc |
| CNL 16 | M16 | M16 X 12mm | 0.099 | 100pc |

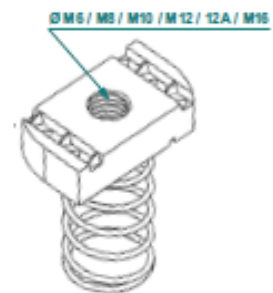
CNP



CNS

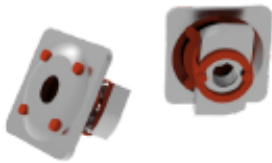


CNL



CHANNEL NUTS

QUICK SLIDE NUT (QS)



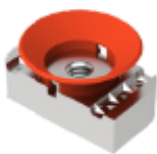
| QS | | | | |
|-------|---------------|-----------------|---------|-------|
| CODE | Thread Metric | Size (mm) x (T) | 1 pc | 100pc |
| QS 6 | M6 | M6 X 6mm | 0.058kg | 100pc |
| QS 8 | M8 | M8 X 6mm | 0.058kg | 100pc |
| QS 10 | M10 | M10 X 6mm | 0.058kg | 100pc |
| QS 12 | M12 | M12 X 6mm | 0.058kg | 100pc |

CHANNEL NUT WITH TOP SPRING (CNT)



| CNT | | | | |
|--------|---------------|-----------------|---------|-------|
| CODE | Thread Metric | Size (mm) x (T) | 1 pc | 100pc |
| CNT 6 | M6 | M6 X 6mm | 0.029kg | 100pc |
| CNT 8 | M8 | M8 X 6mm | 0.029kg | 100pc |
| CNT 10 | M10 | M10 X 6mm | 0.029kg | 100pc |
| CNT 12 | M12 | M12 X 6mm | 0.031kg | 100pc |

CHANNEL NUT CONE (CN)



| CN | | | |
|---------|---------------|--------|-------|
| CODE | Thread Metric | 1 pc | 100pc |
| CN1/4"2 | 1/4"-20 | 0.05kg | 100pc |

CHANNEL WING NUT



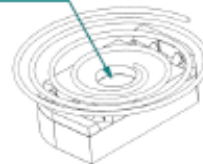
| QSP | | | |
|------|---------------|---------|-------|
| CODE | Thread Metric | 1 pc | 100pc |
| QSP | M10 | 0.040kg | 100pc |

QS



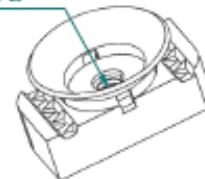
CNT

Ø M6 / M8 / M10 / M12



CN

Ø 1/4"-20



QSP



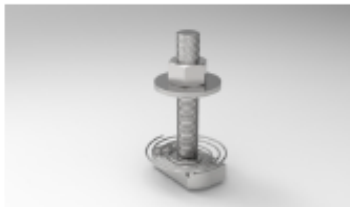
CHANNEL NUTS

ROD STIFFENER (RS)



| RS | | | | |
|--------|---------------|-----------------|---------|--------|
| CODE | Thread Metric | Size (mm) x (T) | Wt (g) | Pack |
| RS 1Q2 | M10 | M10 X 6mm | 0.1265g | 100pcs |
| RS 1Z2 | M12 | M12 X 6mm | 0.1295g | 50pcs |

HAMMER HEAD BOLT WITH TOP SPRING (HHTS)

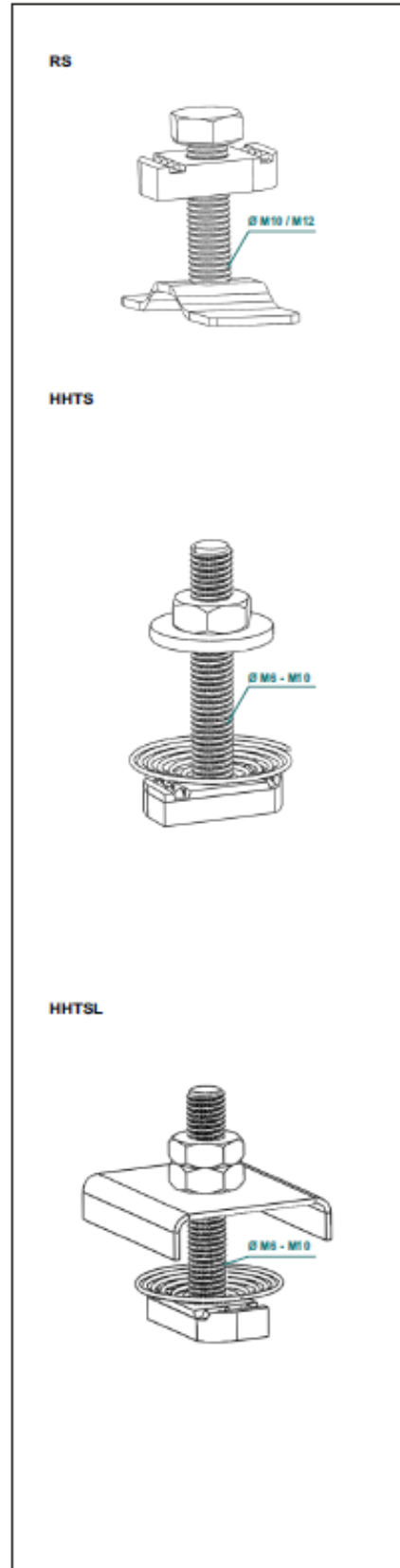


| HHTS | | | |
|-----------|---------------|-----------------|--------|
| CODE | Thread Metric | Size (mm) x (T) | Length |
| HHTS 625 | M6 | M6 X 6mm | 25mm |
| HHTS 630 | M6 | M6 X 6mm | 30mm |
| HHTS 635 | M6 | M6 X 6mm | 35mm |
| HHTS 640 | M6 | M6 X 6mm | 40mm |
| HHTS 650 | M6 | M6 X 6mm | 50mm |
| HHTS 825 | M8 | M8 X 6mm | 25mm |
| HHTS 830 | M8 | M8 X 6mm | 30mm |
| HHTS 835 | M8 | M8 X 6mm | 35mm |
| HHTS 840 | M8 | M8 X 6mm | 40mm |
| HHTS 850 | M8 | M8 X 6mm | 50mm |
| HHTS 1025 | M10 | M10 X 6mm | 25mm |
| HHTS 1030 | M10 | M10 X 6mm | 30mm |
| HHTS 1035 | M10 | M10 X 6mm | 35mm |
| HHTS 1040 | M10 | M10 X 6mm | 40mm |
| HHTS 1050 | M10 | M10 X 6mm | 50mm |
| HHTS 1060 | M10 | M10 X 6mm | 60mm |

HAMMER HEAD BOLT WITH TOP SPRING & LIPPED WASHER (HHTSL)

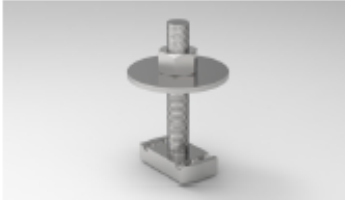


| HHTSL | | | |
|------------|---------------|-----------------|--------|
| CODE | Thread Metric | Size (mm) x (T) | Length |
| HHTSL 625 | M6 | M6 X 6mm | 25mm |
| HHTSL 630 | M6 | M6 X 6mm | 30mm |
| HHTSL 635 | M6 | M6 X 6mm | 35mm |
| HHTSL 640 | M6 | M6 X 6mm | 40mm |
| HHTSL 650 | M6 | M6 X 6mm | 50mm |
| HHTSL 825 | M8 | M8 X 6mm | 25mm |
| HHTSL 830 | M8 | M8 X 6mm | 30mm |
| HHTSL 835 | M8 | M8 X 6mm | 35mm |
| HHTSL 840 | M8 | M8 X 6mm | 40mm |
| HHTSL 850 | M8 | M8 X 6mm | 50mm |
| HHTSL 1025 | M10 | M10 X 6mm | 25mm |
| HHTSL 1030 | M10 | M10 X 6mm | 30mm |
| HHTSL 1035 | M10 | M10 X 6mm | 35mm |
| HHTSL 1040 | M10 | M10 X 6mm | 40mm |
| HHTSL 1050 | M10 | M10 X 6mm | 50mm |
| HHTSL 1060 | M10 | M10 X 6mm | 60mm |

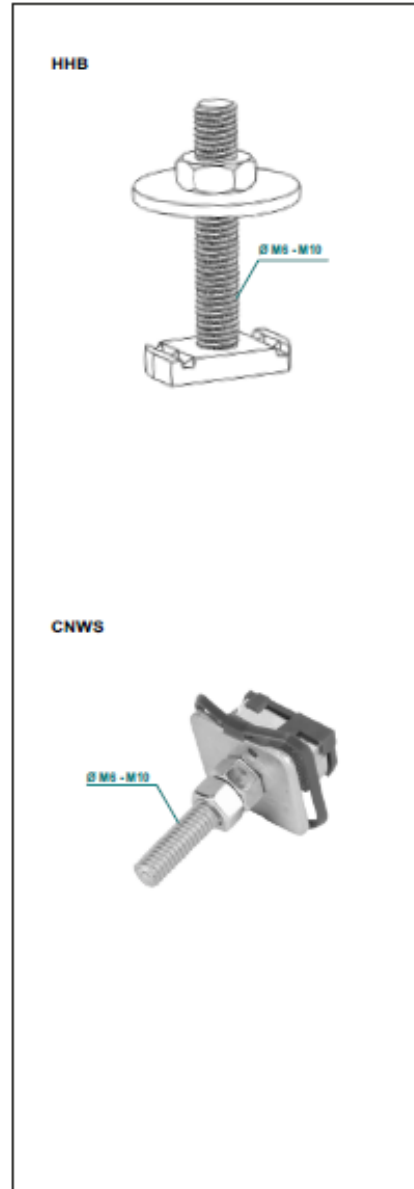


CHANNEL NUTS

HAMMER HEAD BOLT (HHB)



| HHB | | | |
|----------|---------------|-----------------|--------|
| CODE | Thread Metric | Size (mm) x (T) | Length |
| HHB 625 | M6 | M6 X 6mm | 25mm |
| HHB 630 | M6 | M6 X 6mm | 30mm |
| HHB 635 | M6 | M6 X 6mm | 35mm |
| HHB 640 | M6 | M6 X 6mm | 40mm |
| HHB 650 | M6 | M6 X 6mm | 50mm |
| HHB 825 | M8 | M8 X 6mm | 25mm |
| HHB 830 | M8 | M8 X 6mm | 30mm |
| HHB 835 | M8 | M8 X 6mm | 35mm |
| HHB 840 | M8 | M8 X 6mm | 40mm |
| HHB 850 | M8 | M8 X 6mm | 50mm |
| HHB 1025 | M10 | M10 X 6mm | 25mm |
| HHB 1030 | M10 | M10 X 6mm | 30mm |
| HHB 1035 | M10 | M10 X 6mm | 35mm |
| HHB 1040 | M10 | M10 X 6mm | 40mm |
| HHB 1050 | M10 | M10 X 6mm | 50mm |
| HHB 1060 | M10 | M10 X 6mm | 60mm |



CHANNEL NUT WITH WASHER AND STUD (CNWS)



| CNWS | | | |
|-----------|---------------|-----------------|--------|
| CODE | Thread Metric | Size (mm) x (T) | Length |
| CNWS 625 | M6 | M6 X 6mm | 25mm |
| CNWS 630 | M6 | M6 X 6mm | 30mm |
| CNWS 635 | M6 | M6 X 6mm | 35mm |
| CNWS 640 | M6 | M6 X 6mm | 40mm |
| CNWS 650 | M6 | M6 X 6mm | 50mm |
| CNWS 825 | M8 | M8 X 6mm | 25mm |
| CNWS 830 | M8 | M8 X 6mm | 30mm |
| CNWS 835 | M8 | M8 X 6mm | 35mm |
| CNWS 840 | M8 | M8 X 6mm | 40mm |
| CNWS 850 | M8 | M8 X 6mm | 50mm |
| CNWS 1025 | M10 | M10 X 6mm | 25mm |
| CNWS 1030 | M10 | M10 X 6mm | 30mm |
| CNWS 1035 | M10 | M10 X 6mm | 35mm |
| CNWS 1040 | M10 | M10 X 6mm | 40mm |
| CNWS 1050 | M10 | M10 X 6mm | 50mm |
| CNWS 1060 | M10 | M10 X 6mm | 60mm |



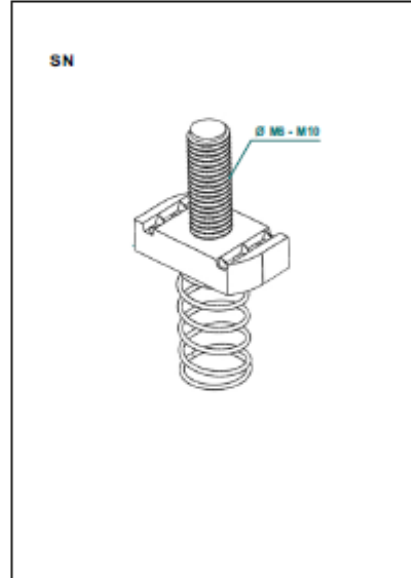
CHANNEL NUTS

STUD NUT WITH SPRING (SN)



SN

| CODE | Thread Metric | Size (mm) x (T) | Length | Wt. 1000 pcs |
|---------|---------------|-----------------|--------|--------------|
| SN 025 | M6 | M6 X 6mm | 2mm | 0.030g |
| SN 030 | M6 | M6 X 6mm | 3mm | 0.034g |
| SN 035 | M6 | M6 X 6mm | 4mm | 0.038g |
| SN 040 | M6 | M6 X 6mm | 5mm | 0.042g |
| SN 045 | M6 | M6 X 6mm | 6mm | 0.046g |
| SN 050 | M6 | M6 X 6mm | 7mm | 0.050g |
| SN 055 | M6 | M6 X 6mm | 8mm | 0.054g |
| SN 060 | M6 | M6 X 6mm | 9mm | 0.058g |
| SN 065 | M6 | M6 X 6mm | 10mm | 0.062g |
| SN 070 | M6 | M6 X 6mm | 11mm | 0.066g |
| SN 075 | M6 | M6 X 6mm | 12mm | 0.070g |
| SN 080 | M6 | M6 X 6mm | 13mm | 0.074g |
| SN 085 | M6 | M6 X 6mm | 14mm | 0.078g |
| SN 090 | M6 | M6 X 6mm | 15mm | 0.082g |
| SN 1025 | M10 | M10 X 6mm | 2mm | 0.094g |
| SN 1030 | M10 | M10 X 6mm | 3mm | 0.098g |
| SN 1035 | M10 | M10 X 6mm | 4mm | 0.102g |
| SN 1040 | M10 | M10 X 6mm | 5mm | 0.106g |
| SN 1045 | M10 | M10 X 6mm | 6mm | 0.110g |
| SN 1050 | M10 | M10 X 6mm | 7mm | 0.114g |
| SN 1055 | M10 | M10 X 6mm | 8mm | 0.118g |
| SN 1060 | M10 | M10 X 6mm | 9mm | 0.122g |
| SN 1065 | M10 | M10 X 6mm | 10mm | 0.126g |
| SN 1070 | M10 | M10 X 6mm | 11mm | 0.130g |
| SN 1075 | M10 | M10 X 6mm | 12mm | 0.134g |
| SN 1080 | M10 | M10 X 6mm | 13mm | 0.138g |
| SN 1085 | M10 | M10 X 6mm | 14mm | 0.142g |
| SN 1090 | M10 | M10 X 6mm | 15mm | 0.146g |



STRUT ACCESSORIES

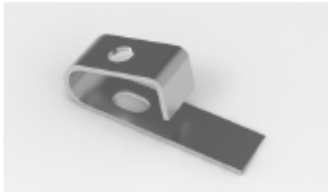
HANGER ROD SWIVELS (HRS)



Ball Swivel Hanger, for use with unlined and lined pipe clips and hanging brackets to reduce drop rod lateral loads. Available in a size of M10 x 30mm with a BZP finish. A popular product used in drop rod suspensions to allow for movement of pipes in all horizontal planes. In addition they also allow for a degree of height adjustment in the suspension.

HRS 849
HRS 1049
HRS 1064

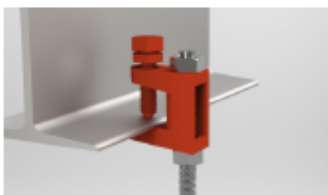
PURLIN CLIPS (PC)



Purlin Clips are designed for the suspension of threaded rod from purlin section. Available in M10.

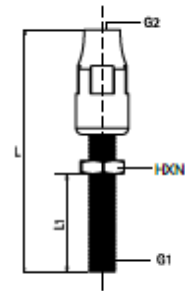
PC10

FLANGE CLAMPS (BC)

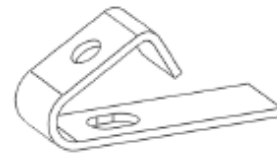


Flange Clamps, also known as universal beam clamps or G clamps are used for suspending building services from steel beams. They provide a solid fixing without the need for welding or drilling. Available in sizes M6,M8, M10,M12 and M16.

HRS



PC



BC



STRUT ACCESSORIES

MOUNTING PLATES - VERTICAL 45° (MP-A)



MP-A

| CODE | Material Thickness (T) | 100Pcs | 50pcs |
|---------|------------------------|--------|-------|
| MP-A-10 | 3mm | 6.0kg | 50pcs |
| MP-A-12 | 3mm | 7.5kg | 50pcs |

MOUNTING PLATES - VERTICAL (MP-V)



MP-V

| CODE | Material Thickness (T) | 100Pcs | 50pcs |
|--------|------------------------|--------|-------|
| MP-V10 | 3mm | 6.0kg | 50pcs |
| MP-V12 | 3mm | 7.5kg | 50pcs |

MOUNTING PLATES - HORIZONTAL (MP-C)



MP-C

| CODE | Material Thickness (T) | 100Pcs | 50pcs |
|---------|------------------------|--------|-------|
| MP-C-10 | 3mm | 6.0kg | 50pcs |
| MP-C-12 | 3mm | 7.5kg | 50pcs |

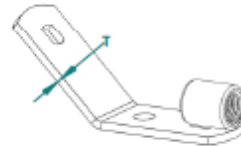
MOUNTING PLATES - HORIZONTAL (MP-H)



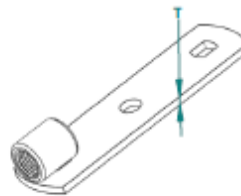
MP-H

| CODE | Material Thickness (T) | 100Pcs | 50pcs |
|--------|------------------------|--------|-------|
| MP-H10 | 3mm | 6.0kg | 50pcs |
| MP-H12 | 3mm | 7.5kg | 50pcs |

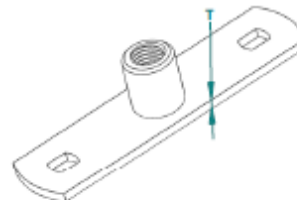
MP-A



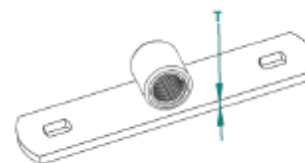
MP-V



MP-C



MP-H



STRUT ACCESSORIES

A TYPE MOUNTING PLATE (MP-B)



MP-B

| CODE | Material Thickness (T) | kg | pc |
|-------|------------------------|-------|------|
| MP 10 | 3mm | 6.8kg | 50pc |
| MP 12 | 3mm | 7.5kg | 50pc |

HEAVY DUTY BOSSED BACKPLATE (HBP)



HBP

| CODE | Material Thickness (T) | kg | pc |
|-----------|------------------------|--------|------|
| HBP 08/10 | 3mm | 3.75kg | 50pc |

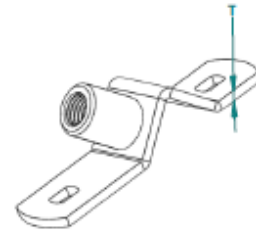
HEAVY DUTY BOSSED BACKPLATE (HBP)



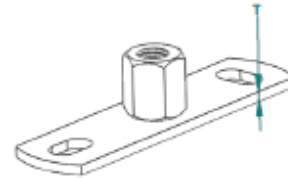
HBP

| CODE | Material Thickness (T) | kg | pc |
|--------|------------------------|--------|------|
| HBP 08 | 3mm | 3.75kg | 50pc |
| HBP 10 | 3mm | 3.75kg | 50pc |
| HBP 12 | 3mm | 3.75kg | 50pc |
| HBP 16 | 3mm | 3.75kg | 50pc |

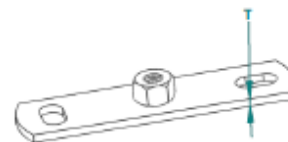
MP-B



HBP



HBP



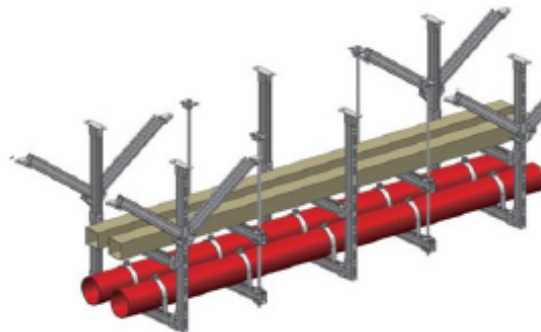
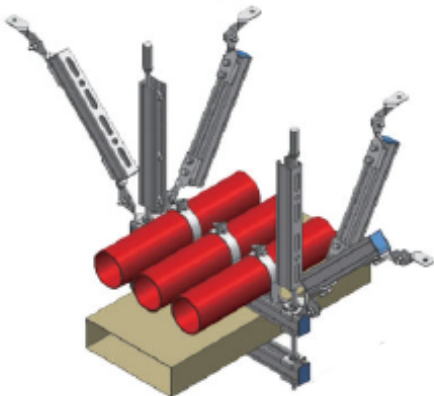
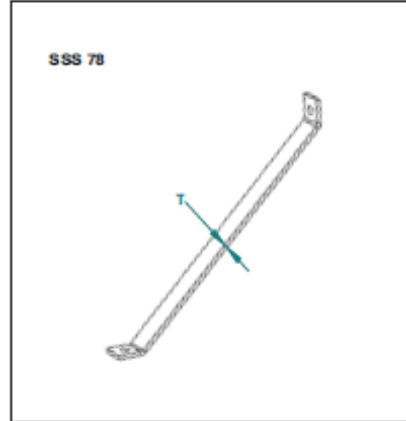
KNEE BRACE

KNEE BRACE



SSS 78

| CODE | Material Thickness | kg/100pc | pc/cb |
|-----------|--------------------|----------|-------|
| SSS 78500 | 5 mm | 95.3kg | 10 |
| SSS 78490 | 5 mm | 130.0kg | 10 |
| SSS 78600 | 5 mm | 186.0kg | 10 |
| SSS 78750 | 5 mm | 220.3kg | 10 |
| SSS 78600 | 5 mm | 240.0kg | 10 |



PROJECT EXECUTED



PROJECT EXECUTED



PROJECT EXECUTED



PROJECT EXECUTED



RILLION



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