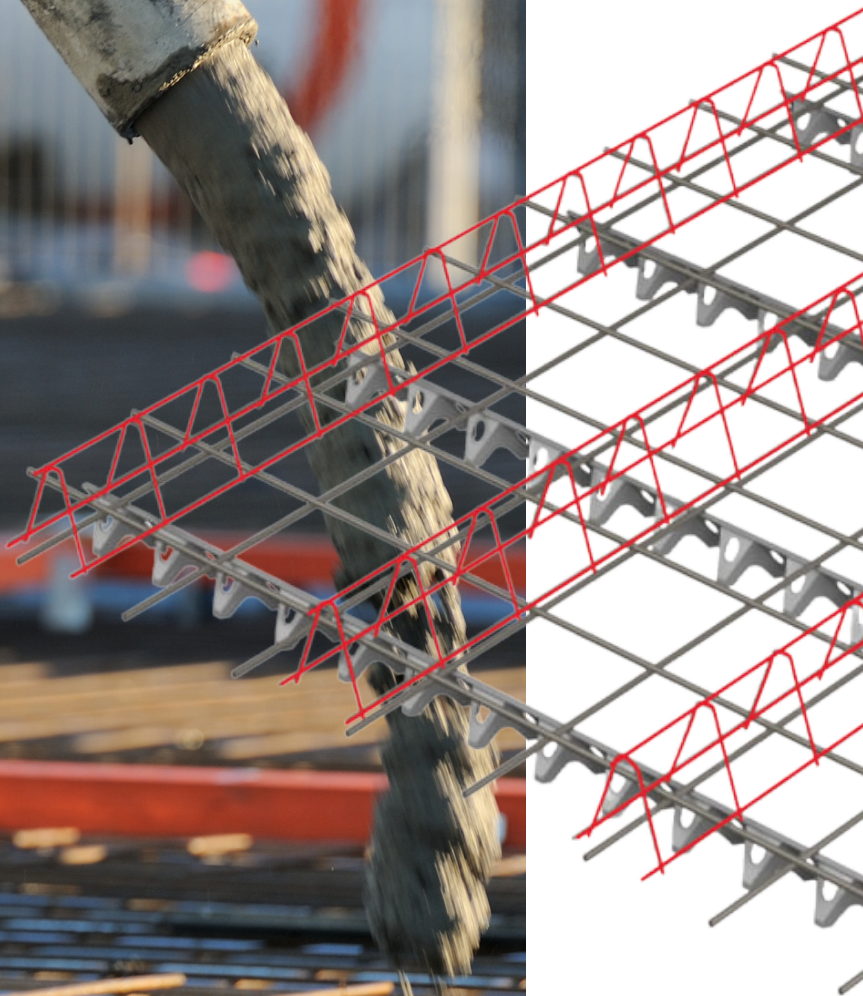


Rebar Support Systems & Concrete Reinforcement Accessories

High-performance concrete reinforcement support systems engineered for the construction industry

PRACTICALSOLUTIONS



PSW
STEEL FABRICATION

ENGINEERED FOR EXTREAM CONDITIONS



Fast -Track Construction Projects

High load capacity . Corrosion resistance . Compatibility with Epoxy coated rebars
Stainless Steel and Galvanized options .



PRACTICAL SOLUTIONS manufactures a complete range of reinforcement support systems engineered specifically for UAE and GCC construction requirements. Our reinforcement chairs, spacers, bolsters, and mesh support systems are designed to maintain accurate concrete cover and reinforcement positioning in demanding conditions, including high temperatures, coastal exposure, and heavy-duty infrastructure applications.

Standards Qualified

All PRACTICAL SOLUTIONS reinforcement support products are manufactured in accordance with applicable construction standards, including:

- BS 7973 – Spacers and Chairs for Steel Reinforcement
- ACI 315 / ACI 318
- ASTM corrosion protection standards
- Dubai Municipality requirements
- Abu Dhabi DMT specifications
- RTA / DEWA / ADNOC project requirements
- GCC infrastructure project specifications

Materials and Finish Options

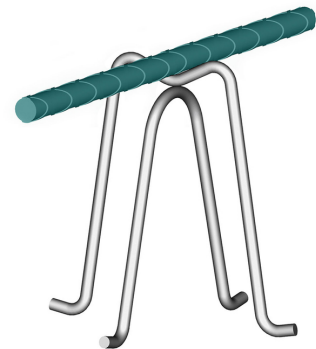
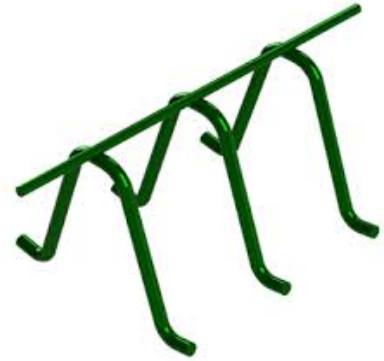
Products are available in the following finishes and material options:

- Bright steel
- Epoxy-coated steel
- Hot-dip galvanized steel
- Plastic protected steel
- UV-stabilized engineering polymer
- Stainless Steel SS304
- Stainless Steel SS316 for marine and coastal projects

Wide range of Applications

Our reinforcement support systems are suitable for:

- Raft foundations
- High-rise towers
- Infrastructure and bridge projects
- Industrial flooring
- Airport paving
- Marine and coastal structures
- Precast concrete elements
- Post-tension slabs
- Water retaining structures
- Heavy-duty on-grade slabs



Individual Steel Spacers

PS RRSC - Rib Reinforcement steel chair :

Light-duty steel reinforcement chair designed to support reinforcement bars within ribbed slabs, waffle slabs, joist slabs, and grid slab systems commonly used in commercial and residential construction.



Applications	Material Options	Concrete Cover	Features	Suitable Reinforcement size
- Ribbed slabs - Waffle slabs - Suspended slabs - Lightweight structural slab systems - Precast slab applications	- Bright steel - Hot-dip galvanized steel - Epoxy-coated steel	20 mm to 40 mm	- Designed for accurate reinforcement positioning within ribbed slab systems - Provides stable reinforcement support during concrete placement - Suitable for congested reinforcement areas - Corrosion-resistant finish options available for coastal environments	8 mm to 16 mm

PS SRC - Standard Rebar steel chair :

Steel reinforcement chair designed to support reinforcement bars and BRC mesh in slab and metal deck applications commonly used in residential, commercial, and infrastructure construction projects.



Applications	Material Options	Concrete Cover	Features	Suitable Reinforcement size
- Suspended slabs - Raft slabs - Metal deck slabs - Podium slabs - Precast slabs - Ground slabs - BRC mesh reinforcement systems	- Bright steel - Hot-dip galvanized steel - Epoxy tipped steel - Epoxy-coated steel	20 mm to 50 mm	- Formed saddle design for secure reinforcement positioning - Suitable for reinforcement bar and BRC mesh support - Stable leg configuration for multiple formwork surfaces - Corrosion-resistant finishes available for coastal and high-humidity environments - Lightweight and easy site installation - Suitable for slab and deck reinforcement applications	8 mm to 16 mm

Individual Steel Spacers

PS BPRC - Base plate Rebar steel chair :

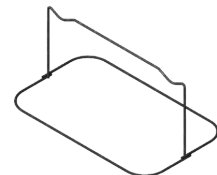
Steel reinforcement chair with integrated bearing plate designed for slab-on-grade and raft foundation applications where reinforcement support is required over soft ground, sand blinding, waterproof membranes, insulation boards, or void formers.



Applications	Material Options	Concrete Cover	Features	Suitable Reinforcement size
- Raft foundations - Ground slabs - Slab-on-grade construction - Waterproof membrane slabs - Sand blinding applications - Void former systems - Industrial flooring - Infrastructure slab works	- Bright steel - Hot-dip galvanized steel - Epoxy-coated steel	25 mm to 50 mm	- Integrated steel base plate provides enhanced stability on soft or uneven surfaces - Maintains reinforcement at accurate concrete cover elevation during concrete placement - Suitable for use over sand, compacted fill, insulation boards, and waterproofing membranes - Formed saddle design securely supports reinforcement bars and BRC mesh	8 mm to 40 mm

PS AGC - Adjustable Ground steel chair :

Steel reinforcement support chair designed for slab-on-grade, footing, and foundation applications where reinforcement is installed over compacted fill, sand blinding, rock base, or void former systems.

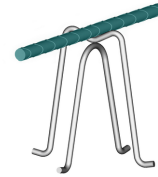


Applications	Material Options	Concrete Cover	Features	Suitable Reinforcement size
- Raft foundations - Strip footings - Ground slabs - Infrastructure foundations - Industrial flooring - Slab-on-grade construction - Foundation reinforcement support	- Bright steel - Hot-dip galvanized steel - Epoxy-coated steel	50 mm to 200 mm	- Formed saddle design for secure reinforcement positioning - Supports reinforcement bars and BRC mesh - Penetrating leg design improves stability on compacted ground and granular surfaces - Adjustable ground engagement helps maintain accurate concrete cover levels - Suitable for use on sand blinding, rock base, compacted fill, and void former systems - Designed for fast installation on large foundation areas	8 mm to 40 mm

Individual Steel Spacers

PS HHC - Heavy Duty High chair :

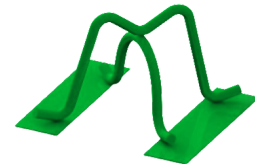
Heavy-duty steel reinforcement chair designed to support top reinforcement layers in elevated slabs, raft foundations, transfer slabs, precast elements, and infrastructure concrete applications. The PS Heavy Duty High Chair provides stable reinforcement positioning and maintains accurate concrete cover during concrete placement under demanding site conditions.



Applications	Material Options	Concrete Cover	Features	Suitable Reinforcement size
- Elevated slabs - Transfer slabs - Raft foundations - Flat slabs - Podium decks - Precast concrete panels - Infrastructure projects - Industrial structures - Heavy reinforcement zones	- Bright steel - Hot-dip galvanized steel - Epoxy-coated steel	50 mm to 375 mm	- Heavy-duty formed saddle for secure reinforcement support - Designed to resist deformation under construction loading - Wide leg spacing allows straddling of bottom reinforcement layers - Suitable for reinforcement bars and BRC mesh systems - Stable foot design suitable for multiple formwork surfaces	8 mm to 40 mm

PS BPHC - Heavy Duty base plate High Chair:

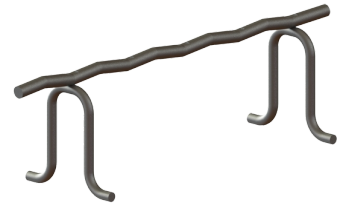
Heavy-duty steel reinforcement chair with integrated base plates designed for supporting top reinforcement layers over soft ground conditions, waterproof membranes, insulation boards, sand blinding, and void former systems. The integrated steel bearing plates provide enhanced stability and prevent settlement during reinforcement installation and concrete placement.



Applications	Material Options	Concrete Cover	Features	Suitable Reinforcement size
- Raft foundations - Transfer slabs - Elevated slabs - Ground slabs - Waterproof membrane slabs - Podium decks - Industrial flooring - Infrastructure foundations - Precast concrete applications	- Bright steel - Hot-dip galvanized steel - Epoxy-coated steel	50 mm to 375 mm	- Heavy-duty formed saddle for secure reinforcement positioning - Dual steel bearing plates provide enhanced stability on soft or uneven surfaces - Maintains accurate reinforcement cover during concrete placement - Wide leg spacing allows chair to straddle bottom reinforcement layers - Suitable for high-load and congested reinforcement applications - Designed for use over sand blinding, compacted fill, insulation boards, and waterproofing membranes - Corrosion-resistant finishes available	8 mm to 40 mm

PS SBS - Slab Bolster System :

Continuous steel reinforcement bolster designed to support bottom reinforcement layers in slab, raft, and foundation applications while maintaining accurate concrete cover and reinforcement spacing during concrete placement. The continuous top wire system provides stable reinforcement support and improved reinforcement alignment.



Applications	Material Options	Concrete Cover	Features	Suitable Reinforcement size
- Raft foundations - Ground slabs - Suspended slabs - Podium decks - Industrial flooring - Infrastructure slabs - Warehouse floors - Precast slab systems	- Bright steel - Hot-dip galvanized steel - Epoxy-coated steel	20 mm to 75 mm	- Continuous reinforcement support system for improved load distribution - Corrugated top wire assists with reinforcement bar spacing and alignment - Designed for supporting bottom reinforcement layers and BRC mesh systems - Stable support during reinforcement fixing and concrete placement - Corrosion-resistant finishes available for UAE coastal and high-humidity environments - Suitable for large slab and raft foundation applications	8 mm to 16 mm

PS USB - Upper Slab Bolster :

Continuous steel reinforcement bolster designed to support upper reinforcement layers above bottom reinforcement mats while maintaining accurate spacing and concrete cover in slab, raft foundation, and heavy-duty structural applications. The PS Upper Slab Bolster is engineered for double mat reinforcement systems commonly used in high-rise, infrastructure, and industrial construction projects



Applications	Material Options	Concrete Cover	Features	Suitable Reinforcement size
- Double mat raft foundations - Transfer slabs - Suspended slabs - Podium slabs - Industrial flooring - Infrastructure projects - Water retaining structures - Heavy reinforcement zones - Foundation systems over void formers or soft fill materials	- Bright steel - Hot-dip galvanized steel - Epoxy-coated steel	20 mm to 75 mm	- Designed to support upper reinforcement layers above lower reinforcement mats - Maintains accurate reinforcement spacing during concrete placement - Corrugated top wire option available for reinforcement alignment and spacing guidance - Suitable for use over waterproof membranes, void formers, insulation boards, and compacted fill - High-load capacity for congested reinforcement applications - Corrosion-resistant finishes available for marine and coastal environments - Continuous support design improves reinforcement stability and installation speed	8 mm to 40 mm

PS BPSB - Base Plate Slab Bolster System :

Continuous steel reinforcement bolster designed to support bottom reinforcement layers in slab, raft, and foundation applications while maintaining accurate concrete cover and reinforcement spacing during concrete placement. The continuous top wire system provides stable reinforcement support and improved reinforcement alignment.



Applications	Material Options	Concrete Cover	Features	Suitable Reinforcement size
• Raft foundations • Ground slabs • Slab-on-grade construction • Industrial flooring • Infrastructure slabs • Waterproof membrane systems • Void former applications • Warehouse floors • Heavy-duty foundation slabs	• Bright steel • Hot-dip galvanized steel • Epoxy-coated steel	20 mm to 75 mm	• Continuous reinforcement support system reduces the need for multiple individual spacers • Corrugated top wire assists with reinforcement spacing and alignment • Integrated steel base plates provide enhanced stability on soft or uneven surfaces • Suitable for use on sand blinding, compacted fill, rock base, insulation boards, and waterproof membranes • Maintains accurate reinforcement elevation during concrete placement • Designed for large slab and raft foundation applications. • Corrosion-resistant finish options available for aggressive coastal environments	8 mm to 25 mm

PS BBS - Beam Bolster System :

Continuous steel reinforcement bolster designed to support bottom beam reinforcement while maintaining accurate concrete cover and reinforcement positioning during concrete placement. The PS Beam Bolster System is engineered for beam, transfer beam, and heavy structural concrete applications commonly used in high-rise, infrastructure, and industrial projects.



Applications	Material Options	Concrete Cover	Features	Suitable Reinforcement size
• Reinforced concrete beams • Transfer beams • Ground beams • Deep beams • Infrastructure structures • Industrial foundations • Precast beam systems • Heavy structural concrete works	• Bright steel • Hot-dip galvanized steel • Epoxy-coated steel	25 mm to 125 mm	• Continuous support system for bottom beam reinforcement • Closely spaced support legs provide high load stability • Designed to allow field cutting while maintaining structural support performance • Suitable for congested reinforcement areas • Maintains accurate reinforcement cover during concrete placement • Corrosion-resistant finishes available for marine and coastal environments • Compatible with high-rise construction requirements	8 mm to 32 mm

Continues Steel Spacers

PS CHC - Continues High Chair System :

Continuous steel reinforcement chair system designed to support top reinforcement layers in elevated slabs, transfer slabs, raft foundations, and heavy-duty structural concrete applications. The continuous support design eliminates the need for multiple individual chairs and carrier bars, improving reinforcement stability, installation speed, and load distribution.



Applications	Material Options	Concrete Cover	Features	Suitable Reinforcement size
- Elevated slabs - Transfer slabs - Raft foundations - Podium decks - Industrial flooring - Heavy reinforcement slabs - Infrastructure projects - Precast concrete systems - Post-tension slab applications	- Bright steel - Hot-dip galvanized steel - Epoxy-coated steel	50 mm to 350 mm	- Continuous reinforcement support eliminates the need for carrier bars - Provides stable support for top reinforcement layers during concrete placement - Continuous design improves reinforcement alignment and load distribution - High load capacity suitable for congested reinforcement areas - Wide leg spacing improves stability on formwork surfaces - Corrosion-resistant finishes available for aggressive coastal environments - Suitable for large slab pours and fast-track construction projects	8 mm to 40 mm

PS BPHC - Base Plate Continues High Chair System :

Continuous heavy-duty steel reinforcement chair with integrated bearing plates designed to support top reinforcement layers over soft ground conditions, waterproof membranes, insulation boards, sand blinding, and void former systems. The continuous support system eliminates the need for multiple individual chairs and carrier bars while providing enhanced stability and accurate reinforcement positioning during concrete placement.

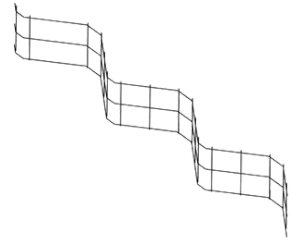


Applications	Material Options	Concrete Cover	Features	Suitable Reinforcement size
- Raft foundations - Transfer slabs - Elevated slabs - Podium decks - Ground slabs - Waterproof membrane systems - Void former applications - Industrial flooring - Heavy-duty infrastructure slabs	- Bright steel - Hot-dip galvanized steel - Epoxy-coated steel	50 mm to 375 mm	- Continuous reinforcement support eliminates the need for carrier bars - Integrated steel bearing plates provide enhanced stability on soft or uneven surfaces - Maintains accurate reinforcement elevation during concrete placement - Suitable for use over sand blinding, compacted fill, insulation boards, waterproof membranes, and void formers - High load capacity suitable for congested reinforcement applications - Continuous support design improves reinforcement alignment and installation efficiency - Corrosion-resistant finishes available for aggressive coastal environments	8 mm to 40 mm

Continues Steel Spacers

PS CRS - Continues Reinforcement Support :

Heavy-duty continuous steel reinforcement support system designed to maintain accurate spacing and elevation between reinforcement layers in reinforced concrete structures. The PS Continuous Reinforcement Support system is engineered for large-scale slab, raft foundation, and infrastructure applications.



Applications	Material Options	Concrete Cover	Features	Suitable Reinforcement size
- Double mat raft foundations - Transfer slabs - Elevated slabs - Industrial flooring - Heavy reinforcement zones - Infrastructure projects - Water retaining structures - Foundation systems over void formers or compacted fill - Large concrete pours	- Plain Carbon steel - Hot-dip galvanized steel - Epoxy-coated steel	50 mm to 400 mm	- Continuous support system for accurate reinforcement spacing and alignment - Designed to support upper reinforcement layers above lower reinforcement mats - Suitable for use over compacted fill, insulation boards, waterproof membranes, and void former systems - Heavy-duty load capacity for congested reinforcement applications - Multi-runner wire configuration improves structural stability and load distribution - Ideal for large slab and raft foundation construction - Suitable for fast-track construction projects	8 mm to 40 mm

PS PCAS - Pile Case Alignment Spacer :

Heavy-duty steel alignment spacer designed for maintaining accurate reinforcement positioning and concrete cover within bored piles, drilled shafts, caissons, and deep foundation systems. The PS Pile Cage Alignment Spacer ensures proper reinforcement cage alignment during installation and concrete placement in below-grade foundation applications.



Applications	Material Options	Concrete Cover	Features	Suitable Reinforcement size
- Bored piles - Drilled shafts - Caisson foundations - Deep foundation systems - Infrastructure piling works - Bridge foundations - Marine piling applications - Retaining wall foundations	- Bright steel - Hot-dip galvanized steel - Epoxy-coated steel - Stainless Steel	400 mm	- Heavy-duty steel construction for demanding foundation applications - Designed to maintain reinforcement cage alignment within pile shafts and caissons - Suitable for below-grade and deep foundation environments - Provides consistent concrete cover during reinforcement cage installation - High-strength wire construction for improved rigidity and durability - Corrosion-resistant finish options available for aggressive soil and coastal environments - Suitable for large-diameter piling and infrastructure projects	8 mm to 40 mm



PSW

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