

**PRODUCT DESCRIPTION**

FLEXFIXEN Heavy Duty Fasten Screws are specifically designed to be : used for the attachment of TPO thermoplastic membranes to approved substrates.  
Screws and Plates are to be used with TPO Heavy Duty or All-Purpose Fasteners into 22-gauge steel, wood or structural concrete decks. They may also be used with SRD Roofing Fasteners to attach membrane to structural steel purlins.

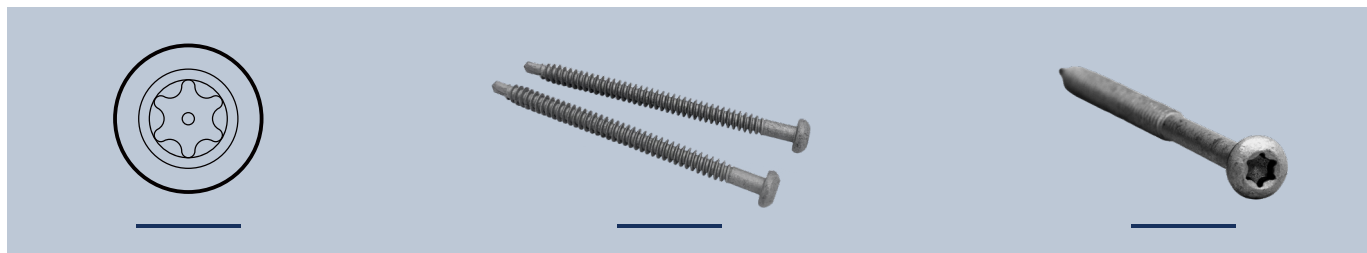
**APPROPRIATE ACCESSORIE**

Use with SRD-FLEXFIXEN SEAM PLATES-2.4” ; SRD-FLEXFIXEN INSULATION PLATES-3” and MARTRISEAL Induction Welding Stress Plate.

**MATERIAL SPECIFICATIONS**

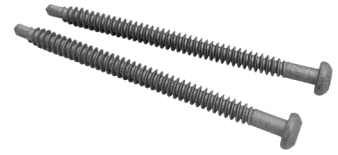
Type	SRD - FIX6.3*L
Material	Hardened Carbon Steel
Thread Dia.	6.3mm
Length(mm)	32,50,65,75,90,100,125,140,160,180,200,230,250,280
Head	Torx T30 Driven System
Typical Pullout in a 16 ga. Purlin	950 lbf
Drill Bit	2# Drill Bit
Drilling Capacity	Steel Deck 0.63mm-2*1.25mm
Corrosion	1800 hrs salt spray NSS resistance
Resistance	Tested by SGS, appearance rating above 10 (ASTM B117-18). Sulfur dioxide and acid rain test 18 gram / cycle (2.0S) surface red rust corrosion area <15%(DIN50018: 2013-AHT2.0S). 15 cycle Kesternich test, no red rust (GB 9789). 1500hr salt spray NSS resistance test, no red rust (GB/T 10125).
Application	Steel Deck 0.63mm-2*1.25mm Concrete above C25 Wood
Condition	RH<75%wood, no Chemical Corrosion
Using With	TB-fix Tube, IB, IC, TOP Metal Plate,Metal Strip FI-P-16.0/6.8-PVC/TPO/EPDM imperforate plate,FPD nylon plate
Advised Design	Consult Roofing System Supplier
Load	Based on Substrates

**PRODUCT SPECIFICATIONS**



# SUZHOU SMART BUILDING NEW MATERIALS CO., LTD

SRD - FIX6.3\*L



## PRODUCT SELECTION

Part No.	Part Length	Thread Length	Bucket Size	Pkg. Qty.	Pkg. Wt.(kg)	Pallet Qty.(Buckets)
SRD - FIX6.3*L-0001	1.26"(32mm)	Full 1.26"32.00mm	251*251*190mm	3500/bucket	20.2	36/48
SRD - FIX6.3*L-0002	2" (50mm)	Full 2" 50.00mm	251*251*190mm	2000/bucket	16.81	36/48
SRD - FIX6.3*L-0003	2.56"(65mm)	Full 2.56"65.00mm	251*251*190mm	1400/bucket	15.68	36/48
SRD - FIX6.3*L-0004	3" (75mm)	Full 3" 75.00mm	251*251*190mm	1200/bucket	15.08	36/48
SRD - FIX6.3*L-0005	3.54"(90mm)	3.15" 80.00mm	251*251*190mm	1400/bucket	19.99	36/48
SRD - FIX6.3*L-0006	4" (100mm)	3.15" 80.00mm	251*251*190mm	1400/bucket	22.49	36/48
SRD - FIX6.3*L-0007	5" (125mm)	3.15" 80.00mm	255*255*265mm	1200/bucket	24.38	36/48
SRD - FIX6.3*L-0008	5.5" (140mm)	3.15" 80.00mm	251*251*190mm	1000/bucket	22.36	36/48
SRD - FIX6.3*L-0009	6" (160mm)	3.15" 80.00mm	251*251*190mm	900/bucket	23.13	36/48
SRD - FIX6.3*L-0010	7" (180mm)	3.15" 80.00mm	251*251*190mm	800/bucket	22.96	36/48
SRD - FIX6.3*L-0011	8" (200mm)	3.15" 80.00mm	251*251*190mm	800/bucket	25.21	36/48
SRD - FIX6.3*L-0012	9" (230mm)	3.15" 80.00mm	278*278*297mm	900/bucket	32.47	36/48
SRD - FIX6.3*L-0013	10" (250mm)	3.15" 80.00mm	278*278*297mm	600/bucket	23.7	36/48
SRD - FIX6.3*L-0014	11" (280mm)	3.15" 80.00mm	255*255*367mm	700/bucket	29.49	36/48

## PERFORMANCE DATA

Property	Standard	Average Ultimate Value
Tensile Strength:	ASTM F606-10	3780 lbf.
Shear Strength:	NASM 1312-20	2160 lbf. (thread zone)
Corrosion Resistance:	FM 4470, ASTM D6294, DIN 50018	< 15% Red Rust after 30 cycles

## AVERAGE ULTIMATE PULLOUT VALUES IN CORRUGATED STEEL DECK SUBSTRATES

Thickness	24 ga.		22 ga.		20 ga.			18 ga.			16 ga.		
Yield Strength	36.5 ksi	33.0 ksi	80.0 ksi	102.0 ksi	33.0 ksi	80.0 ksi	102.0 ksi	33.0 ksi	80.0 ksi	102.0 ksi	33.0 ksi	80.0 ksi	102.0 ksi
Pullout (lbf.)	330	395	820	685	515	725	825	785	955	1035	1000	1165	1245

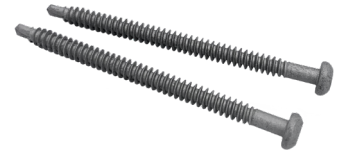
## AVERAGE ULTIMATE PULLOUT VALUES IN WOOD SUBSTRATES

Thickness	APA Rated OSB				APA Rated Plywood			SPF#2
	7/16"	15/32"	19/32"	23/32"	15/32"	19/32"	23/32"	
Pullout (lbf.)	250	255	265	440	340	445	585	990*

\* lbf./in. of thread penetration, including tip.

## WHERE TO USE

ROOFING PROJECTS: The Substrates with application PVC/TPO/EPDM membrane of roof areas together with insulation board, & SRD FLEXROOF SYTEM.



### WARRANTY

SRD-WATERPROOFING will warranty the installed roofing system for a period of fifteen (15) years. Twenty (20) years warranty are also available. For complete warranty details, contact srd-waterproofing or consult with your applicator.

### DELIVERY, STORAGE, HANDLING

- a. Delivery of all the SRD- FLEXFIXEN materials to the job site must be in their original sealed containers, with manufacturer's name and label intact.
- b. Handle and store containers in accordance with printed instructions.
- c. Store at temperatures between 50°F and 90°F. Do not store materials in direct sunlight or where they may be damaged by water or rain.
- d. Failure to comply with the recommended storage conditions may result in premature deterioration of the product. For specific storage advice, please contact SRD- WATERPROOFING and/or its representatives.
- e. Keep all materials out of the reach of children.

### PROJECT CONDITIONS

- a. All surfaces to which the SRD- FLEXFIXEN is applied to must be sound and stable, with an even finish and free from dust, loose debris, grease, curing agents, etc.
- b. Do not apply materials at temperatures below 40°F and falling or if precipitation is imminent. Do not apply materials in direct sunlight at temperatures above 100oF or rising.
- c. Warn personnel against sharp point of materials to skin and body. Note other hazardous conditions on the job that might require special protective gear and or any other special protective or safety procedures.
- d. Protect adjacent surfaces which could be damaged during the application procedure.

### QUALITY CONTROL

- a. Visually inspect all surfaces of application defects to ensure a full and proper right application, especially at corners, joints and other hard-to-reach areas.
- b. All unsatisfactory areas shall be repaired prior to final acceptance.

### PROTECTION OF INSTALLED WORK

- a. The completed section shall be protected for the first 24 hours after application or until the surface is sufficiently finished.
- b. Always protect the substrates from possible damage. Use approved Drainage Boards or SRD Approved Panels.

### AVAILABILITY & COST

Contact SRD-WATERPROOFING or your approved applicator for pricing and availability.

### TECHNICAL SERVICES

Technical services are available by contacting our offices at: +86-0512-63590516 or +86-15250569698