

PRODUCT MANUAL

KARMA
INNOVATIONS

FIXEON



SCREW SERIES

KARMA
INNOVATIONS

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FIXEON



FIXEON
Process Flow Chart Of Self Drilling And Self Tapping Screw



Wire



Heading



Thread Rolling



Heat Treatment



Surface



Inspection



Packing



FIXEON
Equipment

Test Machine



Product Testing



Test Machine

Torque Wrench

Production Machine
Packaging Machine



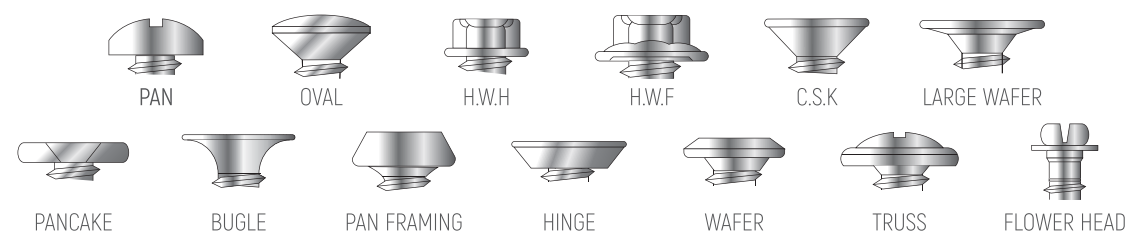
Automatic Packaging Line

Point Cutting Machine

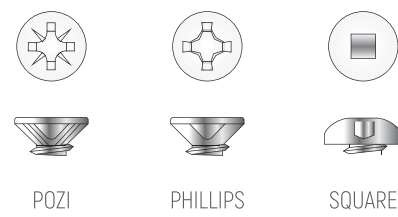
Washer Assembling Machine

FIXEON
Screw Data

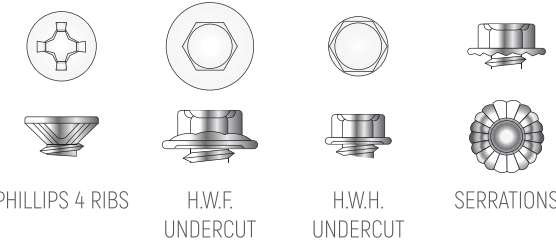
HEAD STYLES



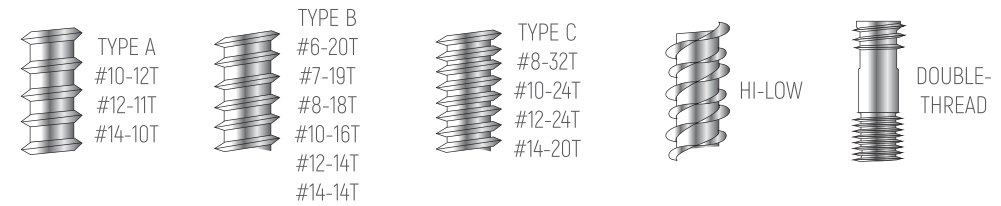
HEAD RECESS



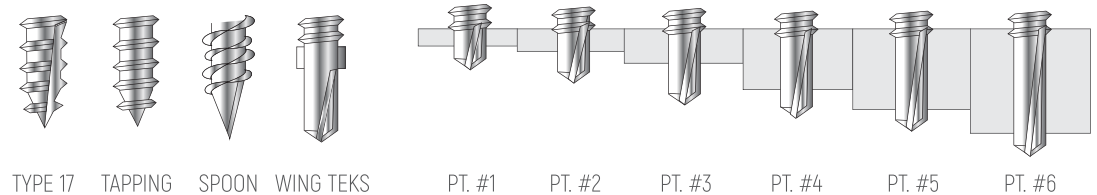
UNDER HEAD



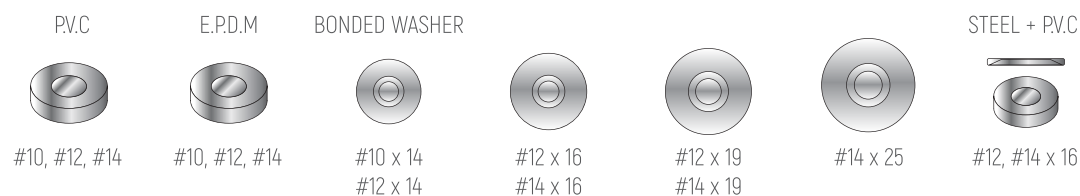
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POINTS



WASHER



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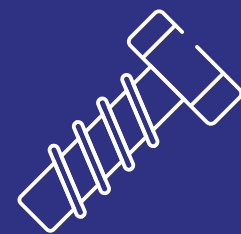
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FIXEON

SCREW PROFILE

Karma Innovations **can offer** all kinds of fasteners which are conformity with DIN, ANSI, ASTM, EN, ISO & GB Standards.

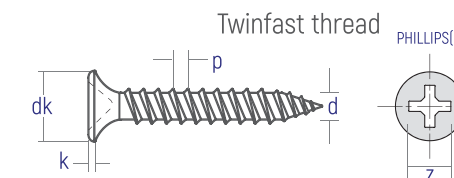


FIXEON

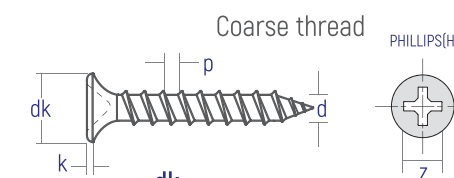


FIXEON

Bugle Head Drywall Screws



d	dk (max)	k	z	p
M3.5	8-8.4	0.8	No.2	1.49
M3.9	8-8.4	0.8	No.2	1.59
M4.2	8-8.4	0.8	No.2	1.69
M4.8	8.8-9.2	0.8	No.2	2.12



d	dk (max)	k	z	p
M3.5	8-8.4	0.8	No.2	2.82
M3.9	8-8.4	0.8	No.2	2.82
M4.2	8-8.4	0.8	No.2	3.18
M4.8	8.8-9.2	0.8	No.2	3.18

Size
(mm)

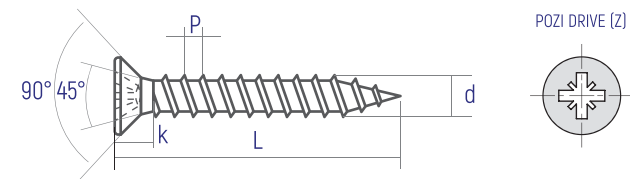
3.5 x	19	3.9 x	25	4.2 x	32	4.8 x	38
	25		32		38		50
	28		35		50		75
	32		38		63		90
	35		41		75		100
	38		45		80		110
	41		50		90		

Size
(inch)

#6 x	3/4"	#7 x	1"	#8 x	1-1/4"	#10 x	1-1/2"
	1"		1-1/4"		1-1/2"		2"
	1-1/8"		1-3/8"		2"		3"
	1-1/4"		1-1/2"		2-1/2"		3-1/2"
	1-3/8"		1-5/8"		3"		4"
	1-1/2"		1-3/4"		3-5/32"		4-5/16"
	1-5/8"		2"		3-1/2"		



FIXEON
Flat Head Chipboard Screw

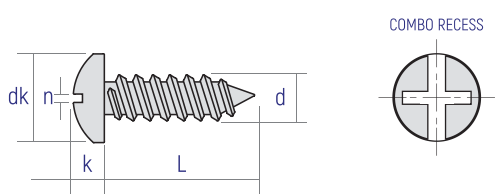


d	dk (max)	k	z	p
M3	5.9	3.20	1	1.35
M3.5	6.9	3.60	2	1.60
M4	7.9	4.25	2	1.80
M4.5	8.9	4.60	2	2.10
M5	9.9	5.20	2	2.20
M6	11.9	6.00	3	2.60



Size (mm)					
3.0 x	12	12	16	25	25
	16	16	20	30	30
	18	20	25	35	35
	20	25	30	40	40
	25	30	35	45	45
	30	35	40	50	50
	35	40	50	60	60
	40	45	60	70	70
	—	50	70	80	80
	—	—	80	—	90
	—	—	—	—	100
	—	—	—	—	110

FIXEON
Pan Head Self-tapping Screw



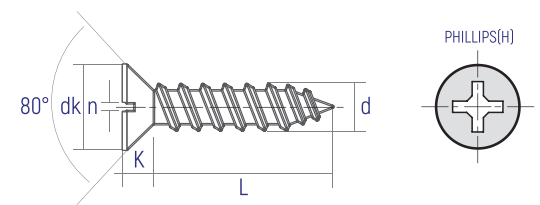
d	dk (max)	k	n (min)
M2.9	5.6	1.50 - 1.75	0.86
M3.5	6.9	1.85 - 2.10	1.06
M3.9	7.5	2.00 - 2.25	10.6
M4.2	8.2	2.15 - 2.45	1.26
M4.8	9.5	2.50 - 2.80	1.26
M5.5	10.8	2.85 - 3.20	1.66
M6.3	12.5	3.30 - 3.65	1.66



Size (mm)							
2.9 x	6.5	9.5	9.5	9.5	9.5	16	19
	9.5	13	13	13	13	19	25
	13	16	16	16	16	25	32
	16	19	19	19	19	32	38
	19	25	25	25	25	38	45
3.5 x	—	—	—	32	32	45	50
	—	—	—	—	38	50	75
	—	—	—	—	—	—	—

Size (inch)							
#4 x	1/4"	3/8"	3/8"	3/8"	3/8"	5/8"	3/4"
	3/8"	1/2"	1/2"	1/2"	1/2"	3/4"	1"
	1/2"	5/8"	5/8"	5/8"	5/8"	1"	1-1/4"
	5/8"	3/4"	3/4"	3/4"	3/4"	1-1/4"	1-1/2"
	3/4"	1"	1"	1"	1"	1-3/4"	2"
#6 x	—	—	—	1-1/4"	1-1/4"	1-3/4"	2"
	—	—	—	—	1-1/2"	2"	3"
	—	—	—	—	—	—	—

FIXEON
Flat Head Self-tapping Screw

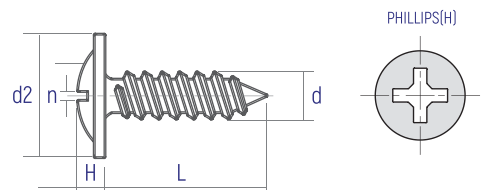


d	dk (max)	k	H
M2.9	2.20 - 5.50	1.7	1
M3.5	6.44 - 6.80	2.1	2
M3.9	7.14 - 7.50	2.3	2
M4.2	7.74 - 8.10	2.5	2
M4.8	9.14 - 9.50	3.0	2
M5.5	10.37 - 10.80	3.4	3
M6.3	11.97 - 12.40	3.8	3

Size (mm)											
2.9 x	6.5	3.5 x	9.5	3.9 x	9.5	4.2 x	9.5	4.8 x	9.5	5.5 x	16
	9.5		13		13		13		13		19
	13		16		16		16		16		25
	16		19		19		19		19		32
	19		25		25		25		25		38
	—		—		—		32		32		45
										38	50



Truss Head Self-tapping Screw



d	d2 (max)	h	n (max)
M4.2	11.5	2.6	2
M4.8	11.5	2.6	2

Truss head



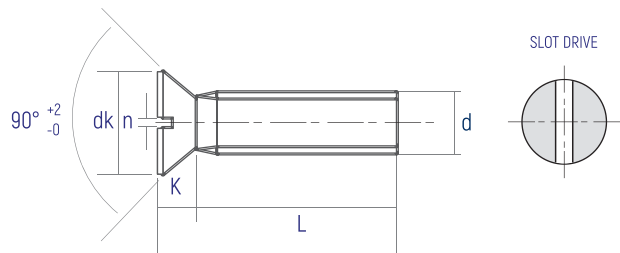
Button head



Size (mm)		Size (inch)	
4.2 x	13	19	1/2"
	16	25	5/8"
	19	32	3/4"
	25	38	1"
	32		1-1/4"
4.8 x	38		1-1/2"
		#8 x	#10 x



Flat Head machine screw



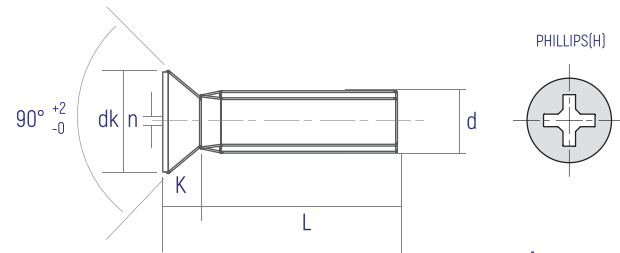
d	L	dK	n	k
M3.5	13 - 100	6.5	0.86 - 1.00	1.93
M4.0	13 - 100	7.5	1.06 - 1.20	2.20

ISO : 2009
DIN : 963

ANSI : B18.6.7M
BS : 4183
NFE : 25 - 123



Flat Head machine Screw



d	L	dK	k (max)
M4	13 - 60	7.5	2.2
M5	13 - 60	9.2	2.5

ISO : 7046 - 1
DIN : 965

ANSI : B18.6.7M
BS : 450
NF : E25 - 119

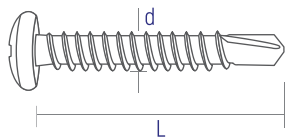
FIXEON Pan Head Self Drilling Screw

Applications

- Skin sheet to steel
- Residential steel frame construction
- For light duty purpose
- Suitable for stitching 1 thick & 1 thin steel plate

Features

- Pan head design on purcost using
- Non-walking point provides fast material engagement



Size	Length (inch)	Length (mm)	Drill Point (m/m)	Drill Capacity (m/m)
#6-20 M3.5	3/8"	10	#2	0.5 - 1.0
	1/2"	13	#2	0.5 - 1.0
	5/8"	16	#2	0.5 - 1.0
#8-18 M4.2	1/2"	13	#2	1.0 - 2.0
	5/8"	16	#2	1.0 - 2.0
	3/4"	19	#2	1.0 - 2.0
	1"	25	#2	1.0 - 2.0
	1-1/4"	32	#2	1.0 - 2.0
#10-16 M4.8	1-1/2"	38	#2	1.0 - 2.0
	1/2"	13	#2	1.0 - 2.0
	5/8"	16	#2	1.0 - 2.0
	3/4"	19	#2	1.0 - 2.0
	1"	25	#3	1.0 - 3.0
	1-1/4"	32	#3	1.0 - 3.0
	1-1/2"	38	#3	1.0 - 3.0
	2"	50	#3	1.0 - 3.0



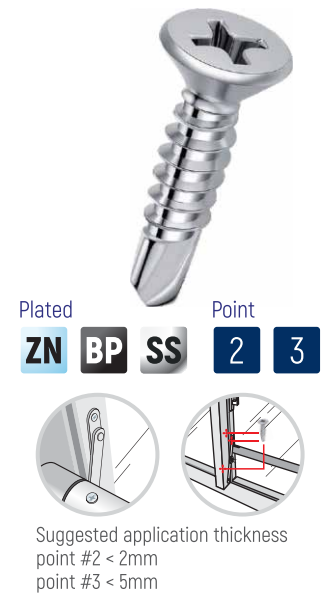
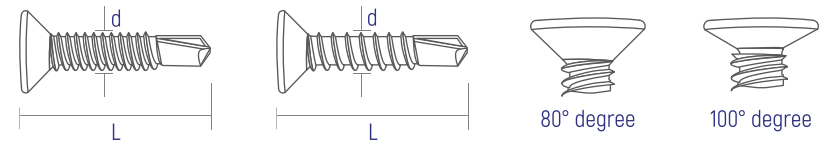
FIXEON Countersunk Head Self Drilling Screw

Applications

- Best choice for fastening in window or door frames purpose
- Using in flat surface required
- Using in per-drilled hole for fitting

Features

- Precise cutting edges to improve drill performance
- Countersunk head available for working purpose



Size	Length (inch)	Length (mm)	Drill Point (m/m)	Drill Capacity (m/m)
#6-20 M3.5	3/8"	10	#2	0.5 - 1.0
	1/2"	13	#2	0.5 - 1.0
	5/8"	16	#2	0.5 - 1.0
	3/4"	19	#2	0.5 - 1.0
	1"	25	#2	0.5 - 1.0
#8-18 M4.2	1/2"	13	#2	1.0 - 2.0
	5/8"	16	#2	1.0 - 2.0
	3/4"	19	#2	1.0 - 2.0
	1"	25	#2	1.0 - 2.0
	1-1/4"	32	#2	1.0 - 2.0
#10-16 M4.8	1-1/2"	38	#2	1.0 - 2.0
	5/8"	16	#2	1.0 - 2.0
	3/4"	19	#2	1.0 - 2.0
	1"	25	#3	1.0 - 3.0
	1-1/4"	32	#3	1.0 - 3.0
	1-1/2"	38	#3	1.0 - 3.0

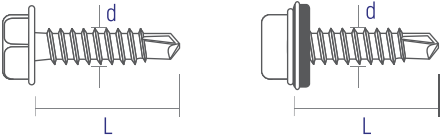
FIXEON Hex Washer Head Self Drilling Screw

Applications

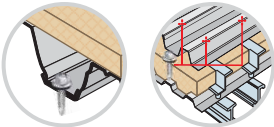
- For light duty purpose
- Stitch roof deck and wall panel sidelaps
- Residential steel frame construction
- Brick ties to steel framing

Features

- Unique point to thread design extrudes the metal preventing stripout
- Non-walking point provides fast material engagement
- Point to thread design maximizes pullout performance and minimizes backout



Plated Point
ZN YZ SS 2 3



Suggested application thickness
point #2 < 2mm

Size	Length (inch)	Length (mm)	Drill Point (m/m)	Drill Capacity (m/m)
#6-20 M3.5	3/8"	10	#2	0.5 - 1.0
	1/2"	13	#2	0.5 - 1.0
	5/8"	16	#2	0.5 - 1.0
#8-18 M4.2	1/2"	13	#2	1.0 - 2.0
	5/8"	16	#2	1.0 - 2.0
	3/4"	19	#2	1.0 - 2.0
	1"	25	#2	1.0 - 2.0
	1-1/4"	32	#2	1.0 - 2.0
	1-1/2"	38	#2	1.0 - 2.0
	1/2"	13	#2	1.0 - 2.0
#10-16 M4.8	5/8"	16	#2	1.0 - 2.0
	3/4"	19	#2	1.0 - 2.0
	1"	25	#3	1.0 - 3.0
	1-1/4"	32	#3	1.0 - 3.0
	1-1/2"	38	#3	1.0 - 3.0
	2"	50	#3	1.0 - 3.0

SS YZ BP RS ZN
Stainless Steel Yellow Zinc Black phosphate Ruspert Zinc

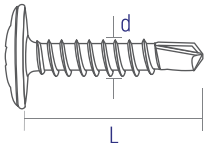
FIXEON Truss Head Self Drilling Screw

Applications

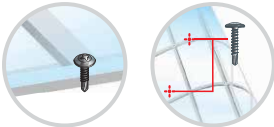
- Residential steel frame construction
- For using in object like polycarbonate sheet, shadow cover

Features

- Truss head design on purpose using
- Non-walking point provides fast material engagement



Plated Point
ZN BP SS 2



Suggested application thickness
point #2 < 2mm

Size	Length (inch)	Length (mm)	Drill Point (m/m)	Drill Capacity (m/m)
#8-18 M4.2	1/2"	13	#2	1.0 - 2.0
	5/8"	16	#2	1.0 - 2.0
	3/4"	19	#2	1.0 - 2.0
	1"	25	#2	1.0 - 2.0
	1-1/4"	32	#2	1.0 - 2.0
	1-5/8"	41	#2	1.0 - 2.0

SS YZ BP RS ZN
Stainless Steel Yellow Zinc Black phosphate Ruspert Zinc

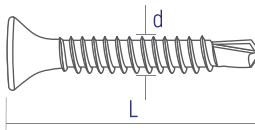
FIXEON Bugle Head Self Drilling Screw

Applications

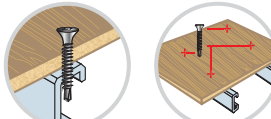
- For using in stitch wood to metal
- Using in flat surface required
- Using in pre-drilled hole for fitting

Features

- Precise cutting edges to improve drill performance with less effort
- Bugle head available for working purpose



Plated
ZN **YZ** **SS** Point
3



Suggested application thickness
point #2 < 2 mm

Size	Length (inch)	Length (mm)	Drill Point (m/m)	Drill Capacity (m/m)
#6-20 M3.5	1"	25	#2	0.5 - 1.0
	1-1/8"	28	#2	0.5 - 1.0
	1-1/4"	32	#2	0.5 - 1.0
	1-5/8"	41	#2	0.5 - 1.0
	2"	50	#2	0.5 - 1.0
#8-18 M4.2	1"	25	#2	1.0 - 2.0
	1-1/4"	32	#2	1.0 - 2.0
	2"	50	#2	1.0 - 2.0
	2-3/8"	60	#2	1.0 - 2.0
	2-5/8"	65	#2	1.0 - 2.0
	3"	75	#2	1.0 - 2.0

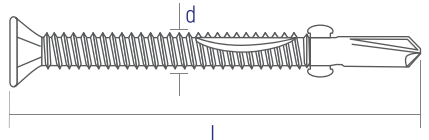
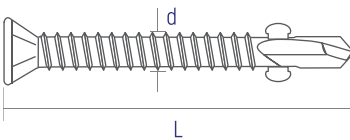
FIXEON Countersunk Wings Self Drilling Screw

Applications

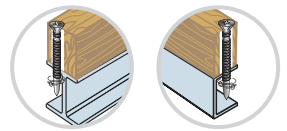
- Wood mansard to steel frames
- Plywood fascial to steel frames
- Plywood roof and floor sheet to steel frames

Features

- Large bearing surface ideal for plywood
- Flat head desing countersunks and seats flush in wood
- Aluminium/Steel washer
- Special winged fasteners ream a hole in wood preventing thread engagement during drilling



Plated
ZN **YZ** **SS** Point
3 **4** **5**



Suggested application thickness
point #3 < 2 - 5 mm
point #4 < 5 - 8 mm
point #5 < 9 - 12 mm

Size	Length (inch)	Length (mm)	Drill Point (m/m)	Drill Capacity (m/m)
#10 M4.8	1"	25	#3	1.0 - 3.0
	1-1/4"	32	#3	1.0 - 3.0
	1-1/2"	38	#3	1.0 - 3.0
	1-3/4"	45	#3	1.0 - 3.0
#12 M5.5	1-1/2"	38	#3	2.0 - 4.0
	2"	50	#3 · #5	2.0 - 4.0 · 12.0
	2-3/16"	55	#3 · #5	2.0 - 4.0 · 12.0
	3"	75	#3 · #5	2.0 - 4.0 · 12.0
	3-5/32"	80	#3 · #5	2.0 - 4.0 · 12.0
	3-1/2"	45	#3 · #5	2.0 - 4.0 · 12.0
	4-3/4"	120	#3 · #5	2.0 - 4.0 · 12.0
#14 M6.3	2"	50	#4 · #5	7.0 - 8.0 · 12.0
	3-5/32"	80	#4 · #5	7.0 - 8.0 · 12.0
	3-1/2"	88	#4 · #5	7.0 - 8.0 · 12.0
	4-3/4"	120	#4 · #5	7.0 - 8.0 · 12.0
	6"	150	#4 · #5	7.0 - 8.0 · 12.0

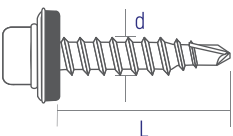
FIXEON Farmer Screws

Features

- Used for fasten sheet-metal to walls and roofs, the aluminium washer with EPDM rubber covering ensures an effective seal and resistance to aging. Moreover, farmer screws are electro galvanised with coating thickness as available, and various colors as in RAL and RR for selection.

Conditions

- Durable painting
- Ideal for walls and roofs with overlap joints
- Aluminium/Steel washer
- 2.5/3 mm EPDM thickness



Size	Length (inch)	Length (m/m)	Drill Point (m/m)	Drill Capacity (m/m)
#10-12 M4.8	3/4"	20	#2	1.0 - 1.6
	1-1/8"	28	#2	1.0 - 1.6
	1-3/8"	35	#2	1.0 - 1.6
	1-1/2"	38	#2	1.0 - 1.6
	2-3/8"	60	#2	1.0 - 1.6
	2-3/4"	70	#2	1.0 - 1.6



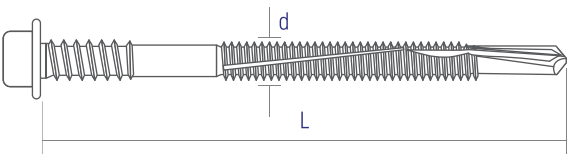
FIXEON Double Thread Self Drilling Screw

Applications

- Roof and wall panel over rigid insulation to steel framing
- Roof panel over spacer block and insulation to eaves purlin

Features

- Double thread for the purpose using exterior roofing environment
- High thread under the head prevents panel stripout
- Point to thread design maximizes pullout performance and minimizes backout



Size	Length (inch)	Length (m/m)	Drill Point (m/m)	Drill Capacity (m/m)
#14-14 / #12-24 M6.3 / M5.5	2-3/8"	60	#5	12.0
	3-5/32"	80	#5	12.0
	4"	100	#5	12.0
	5"	125	#5	12.0
	6"	150	#5	12.0
	2-3/8"	60	#5	12.0
	3-5/32"	80	#5	12.0
	5"	125	#5	12.0
	4"	100	#5	12.0
	6"	150	#5	12.0
	7"	175	#5	12.0
	8"	200	#5	12.0
	10"	250	#5	12.0
	11"	275	#5	12.0



FIXEON
Long Size Screw

Type 17 hex washer flange yellow zinc



countersunk head, reduced point



Concrete & masonry screw ruspert



Bugle head reduced point, plain



Type 17 double thread ruspert



Double thread nano plating



Hex washer double thread #5 with bonded washer zinc plated



Custom Options

All our products come in various sizes, styles and can be customized to fit your needs.

FIXEON
304/316/410 Stainless Steel Self Tapping Screw

Flat Head With Square
Tapping Screw



Flat Head With Slot
DIN 7972 Tapping Screw



Phillips Or Pozi Recess
DIN 7982 Flat Head



Phillips Or Pozi Recess
DIN 7983 Oval Head



Phillips Or Pozi Recess
DIN 7981 Pan Head



Phillips Or Pozi Recess
DIN 7971 Oval Head



Hex Washer Head

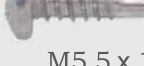
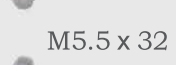
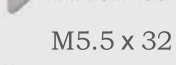
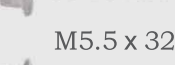
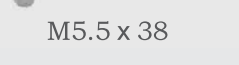
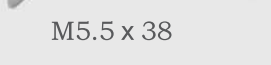
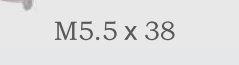


Decking Screw



FIXEON
304/316/410 Stainless Steel Self Drilling Screw

FIXEON
Packaging Customization

Pan Phillips	Countersunk Phillips	Hex Washer Head
 M4.2 x 13	 M4.2 x 13	 M4.2 x 13
 M4.2 x 16	 M4.2 x 16	 M4.2 x 16
 M4.2 x 19	 M4.2 x 19	 M4.2 x 19
 M5.5 x 16	 M5.5 x 16	 M5.5 x 16
 M5.5 x 19	 M5.5 x 19	 M5.5 x 19
 M5.5 x 25	 M5.5 x 25	 M5.5 x 25
 M5.5 x 32	 M5.5 x 32	 M5.5 x 32
 M5.5 x 38	 M5.5 x 38	 M5.5 x 38





Hexagonal Head Bolt

• DIN 933



Hexagon Nut

• DIN 934



Hexagonal Head Bolt

• DIN 931



Wing Nut

• DIN 315



Hexagonal Socket Head Cap Screw

• DIN 912



Threaded Rod

• DIN 975



Mushroom Head Square Neck Bolt

• DIN 603



Hex Nut With Plastic Insert

• DIN 985



Nylon Frame Anchor

Applications

- Wood, hardboard, plaster, metal
- Cinder block, slate, marble, plastic, glass, concrete and more....



Metal Frame Anchor

Applications

- Plastic, wood, slate, hollow brick
- Plaster, metal, cinder block, marble concrete and more....



Wedge Anchor

Applications

- Cracked concrete
- Non-cracked concrete, and more....



Drop-in Anchor

Applications

- Concrete & natural stone
- Pipes, gratings, ventilation systems, sprinkler systems, suspended ceilings and more....



Shield Anchor

Applications

- Concrete, brickwork, blocks work
- Medium duty fixing, garage door, racking to walls, and more



Bolt Anchor

Applications

- Cracked and non-cracked concrete
- Natural stone, and more....

FIXEON



Cut Anchor

Applications

- Concrete & natural stone
- Steel construction, handrails, consoles, ladders, cable trays and more....

FIXEON



Hammer Drive Anchor

Applications

- Concrete
- Solid brick & natural stone and more....

FIXEON



Nylon Plug

Applications

- Concrete & masonry building materials
- Perforated brick and more....



Plasterboard Fixing Metal

Applications

- Fiber board
- Single & double plasterboard, rear-insulated plasterboard, and more....



Sleeve Anchor Flange Nut Type

Applications

- Concrete, brick, block, stone, gates
- Steel construction, elevator, bathing, equipment, and more....



Nylon Frame Hammer Fixing

Applications

- Concrete
- Sand-Lime solid brick & red solid brick and more....



Plasterboard Fixing Nylon

Applications

- Plasterboard
- Lamp, skirting board, switches, cable ducts, picture frames, and more....



Hollow Wall Anchor

Applications

- Wall board, plaster, paneling, shelves
- Hollow block, lamps, window elements, fiber cement board, and more....

Hose Clamp

Applications

- Widely used with full size range.
- Easy installation by using flathead screw driver.
- Manufactured in fine procedures to ensure well function.
- Quality zinc-plated surface to enhance anti-rust performance.
- Applications: automotive, vessel and construction applications for binding and fixing functions.

