

OBX-STD Technical Specification

Material

High Grade Carbon Steel - Case Hardened and Tempered

Finish

Electro Zinc Plated with Clear Passivation

Corrosion Resistance

Min. 72hrs Neutral salt Spray (ASTM B117)

Shear Strength

7.23kN (Ultimate Single Shear)

Typical Pullout Resistance

STEEL THICKNESS			
1mm	1.5mm	2.0mm	2.5mm
1.33kN	2.59kN	3.95kN	5.01kN

NB 1kN = 100Kgf

Above figures are Laboratory test results and are for guidance only.
For further information or samples please call
Orbix Technical Dept. on 0845 241 9862

Key Features:

- Product code: OBX-STD 4.8 x 16
- Self drilling/self tapping fastener for up to 2.5mm thick steel
- Can be removed and re-used
- Unique Orbix™ wafer head - will not snag or chafe cables
- Standard Pozi drive
- Point caps available to protect cables when installed

Applications:

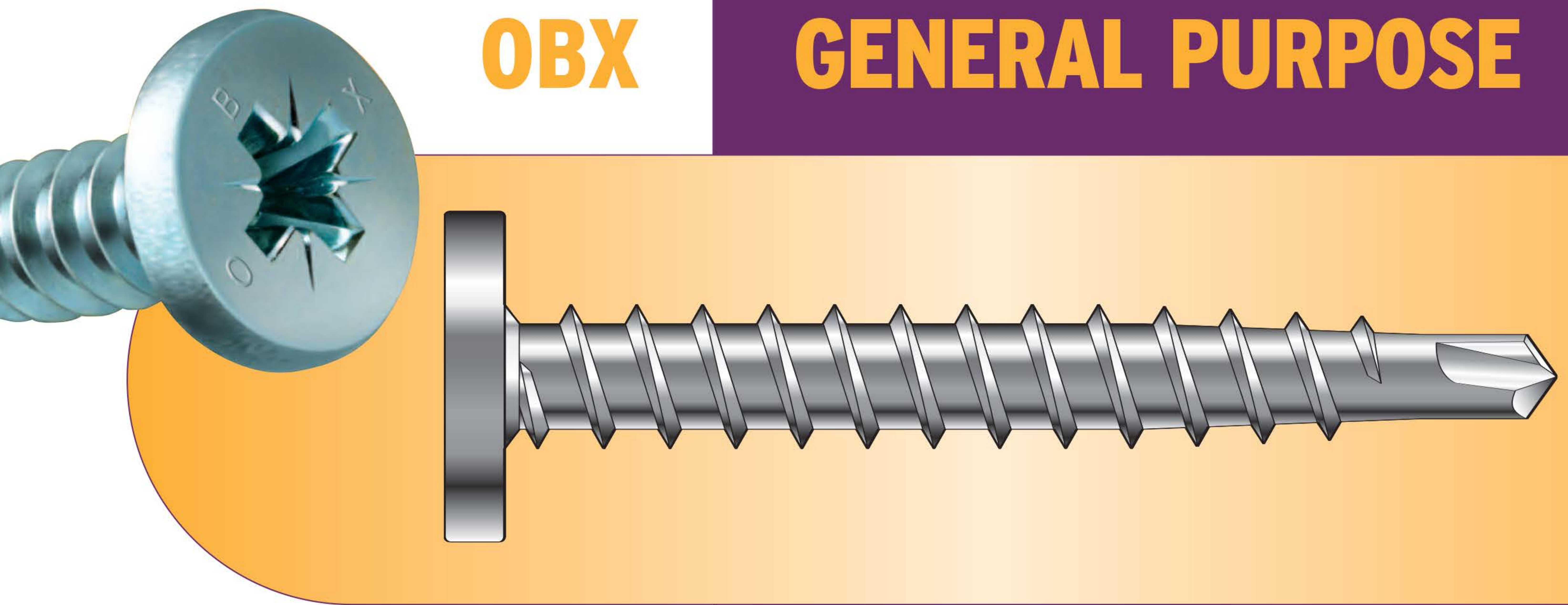
- Speedy fixing of earth tags to galvanised trunking/boxes
- Faster joining of cable tray, cable, trunking, trunking lid etc.
- Mounting din rail and accessories in control panels

PLUS ENDLESS APPLICATIONS THAT REQUIRE A FAST, ONE-SHOT JOINING OF THIN STEEL

Installation:

OBX-STD Fasteners should be installed using a standard variable speed cordless drill fitted with a PZD #2 drive bit.
Optimum drilling speed: 1000 - 1800 RPM with medium force.
Use torque control when drilling into very thin steel to avoid overdriving.
Do not over tighten.





OBX

GENERAL PURPOSE

OBX-GP Technical Specification

Material

High grade carbon steel case hardened and tempered

Finish

Electro-zinc plated with clear passivation

Corrosion Resistance

Min. 72 hrs neutral salt spray (ASTM B117)

Shear strength

7.23kN (ultimate single shear)

Typical Pullout Resistance

STEEL THICKNESS		
1mm	1.5mm	2.0mm
1.66kN	3.26kN	4.46kN

into timber ¹	into masonry ²
3.58kN	2.46kN

NB 1kN = 100Kgf

1. 30mm embedment

2. 7Nmm² concrete blockwork

Above figures are Laboratory test results and are for guidance only.

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Key Features:

- Product code: OBX-GP 4.8 x 35
- Self drilling/self tapping fastener for fixing to: steel, timber and masonry using nylon wallplug
- Self drill through PVC trunking/accessories and fix direct to timber with no pre-drilling
- Can be removed and re-used
- Unique Orbix™ wafer head - will not snag or chafe cables
- Standard pozi drive

Applications:

- Faster fixing of electrical accessories/socket boxes/trunking/cable tray/support brackets to thin steel, timber or masonry

Installation:

Into steel/timber: OBX-GP Fasteners should be installed using a standard variable-speed cordless drill fitted with a PZD#2 drive bit. Select lower speed setting for more positive control. Use torque control for consistent clamping force. Do not over tighten.

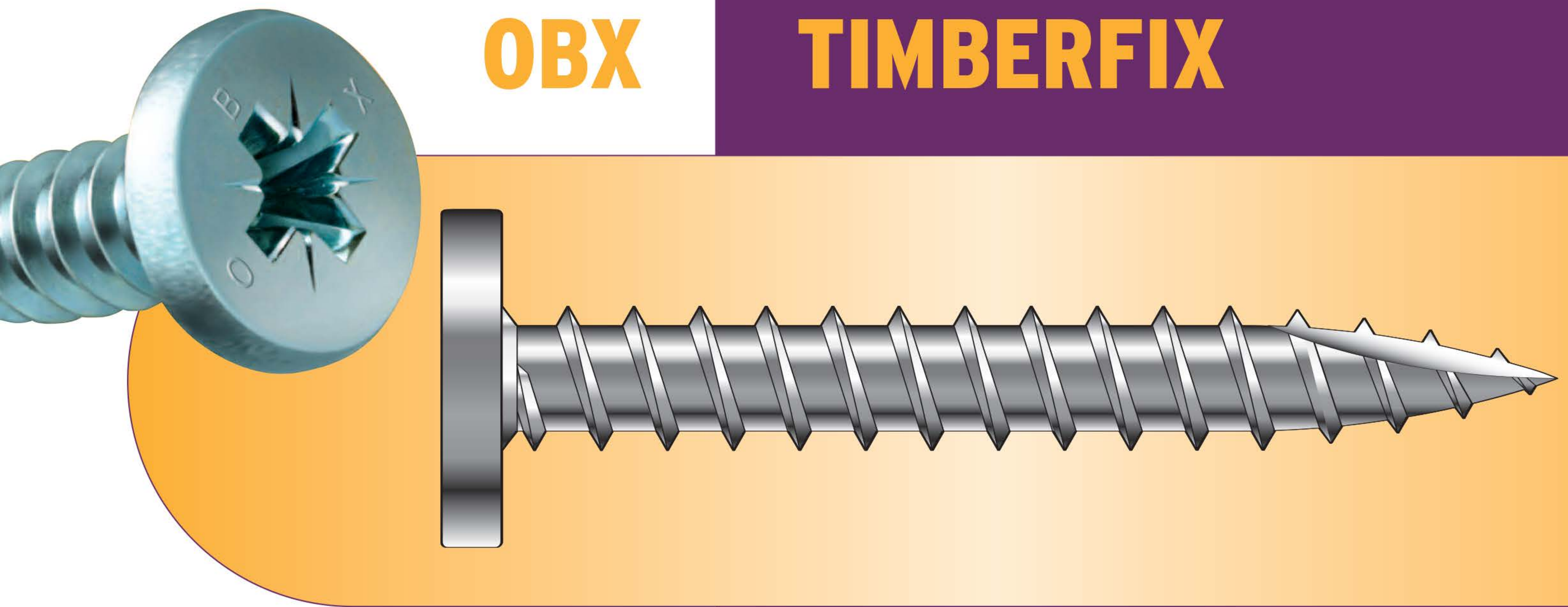
Into masonry: drill pilot hole in brickwork/masonry using heavy duty, rotary impact hammer drill. Hole size: 6.0mm dia.

Insert Orbix™ nylon wallplug and tap in fully with hammer until flush with masonry.

Drive in OBX-GP screw using variable speed cordless drill as above.



**faster fasteners
for the trade**



OBX

TIMBERFIX

OBX-TFX Technical Specification

Material

High Grade Carbon Steel - Case Hardened and Tempered

Finish

Electro Zinc Plated with Clear Passivation

Corrosion Resistance

Min. 72hrs Neutral salt Spray (ASTM B117)

Shear Strength

7.23kN (Ultimate Single Shear)

Typical Pullout Resistance

into timber ¹	into masonry ²
3.98kN	2.46kN

NB 1kN = 100Kgf

1. 30mm embedment

2. 7Nmm² concrete blockwork

Above figures are Laboratory test results and are for guidance only.

For further information or samples please call
Orbix Technical Dept. on 0845 241 9862

Key Features:

- Product code: OBX-TFX 4.8 x 35
- Type 17 sharp point for faster fixing into timber or masonry using nylon wall plug
- Will self-pierce through PVC trunking for direct fixing to timber
- Can be removed and re-used
- Unique Orbix™ wafer head - will not snag or chafe cables
- Standard pozi drive

Applications:

- Fixing electrical accessories/socket boxes/trunking/cable tray/support brackets to timber or masonry

PLUS ENDLESS APPLICATIONS THAT REQUIRE A FAST, ONE-SHOT FIXING TO TIMBER

Installation:

Into timber: OBX-TFX Fasteners should be installed using a standard variable-speed cordless drill fitted with a PZD#2drive bit. Select lower speed setting for more positive control. Use torque control for consistent clamping force. Do not over tighten.

Into masonry: drill pilot hole in brickwork/masonry using heavy duty, rotary impact hammer drill. Hole size: 6.0mm dia.

Insert Orbix™ nylon wallplug and tap in fully with hammer until flush with masonry.

Drive in OBX-TFX screw using variable speed cordless drill as above.

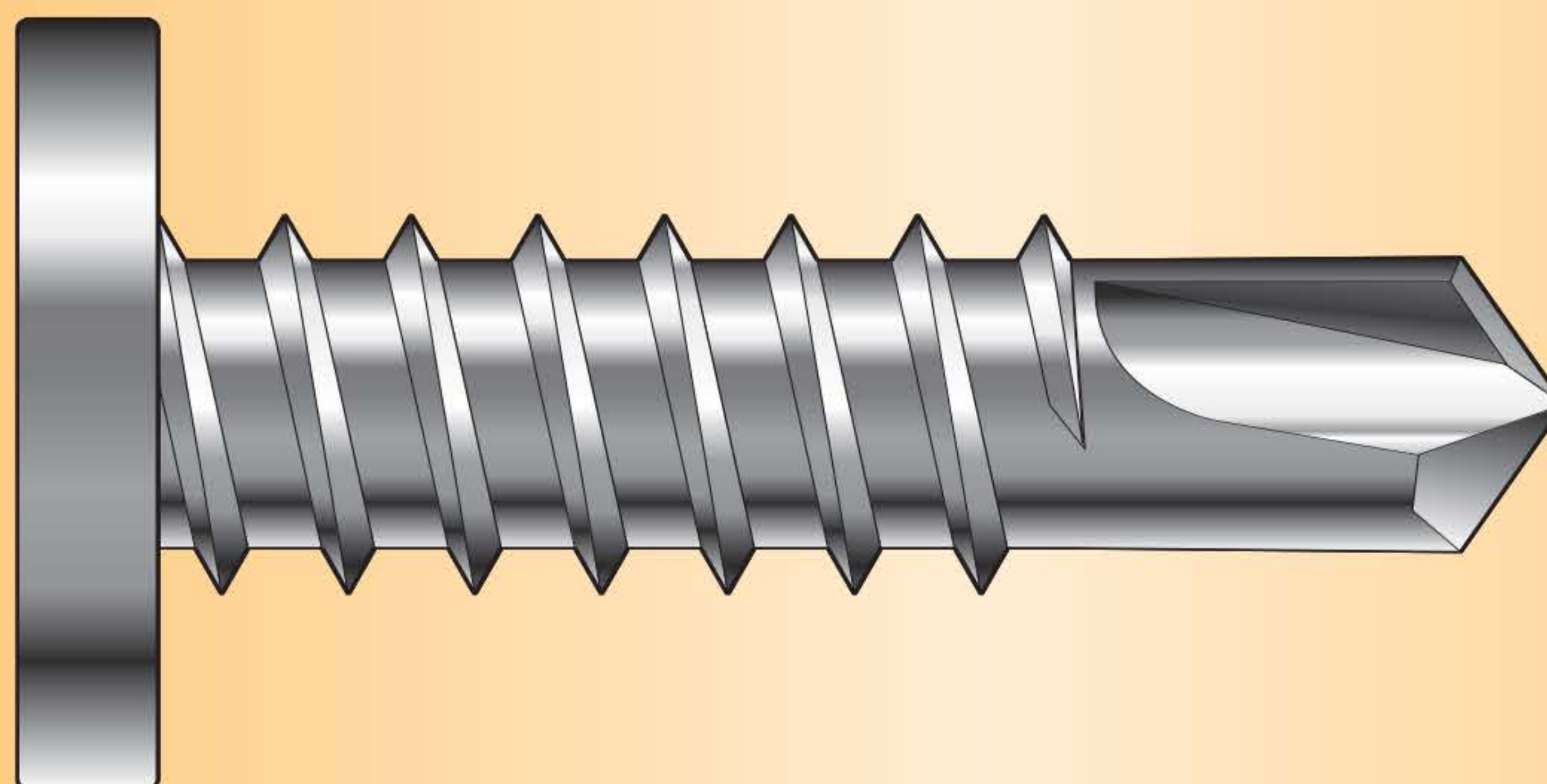


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OBX

HEAVY DUTY



OBX-HD Technical Specification

Material

High Grade Carbon Steel - Case Hardened and Tempered

Finish

Electro-zinc Plated with Clear Passivation

Corrosion Resistance

Min. 72 hrs Neutral Salt Spray (ASTM B117)

Shear Strength

10.7kN (ultimate single shear)

Typical Pullout Resistance

STEEL THICKNESS			
1mm	1.5mm	2.0mm	3.0mm
1.31kN	2.78kN	4.18kN	7.72kN

NB 1kN = 100Kgf

Above figures are Laboratory test results and are for guidance only.
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Key Features:

- Product Code: OBX-HD 5.5 x 20
- Self drilling/self tapping fastener for up to 3.5mm thick steel
- Can be removed and re-used
- Unique Orbix™ wafer head - will not snag or chafe cables
- Standard pozi drive

Applications:

- Fixing trunking, cable tray, joint boxes or accessories to lightweight support framework
- Faster joining of lightweight channel support systems
- Fixing channel support systems, trunking, cable tray or accessories direct to galvanised purlins or cladding rails

PLUS ENDLESS APPLICATIONS THAT REQUIRE A FAST, ONE-SHOT JOINING OF STEEL UP TO 3.5MM THICK

Installation:

OBX-HD Fasteners should be installed using a standard variable-speed cordless drill fitted with a PZD #2 drive bit. Optimum drilling speed: 1000-1800RPM with medium force. Use torque control when drilling into very thin steel to avoid overdriving. Do not over tighten.



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