

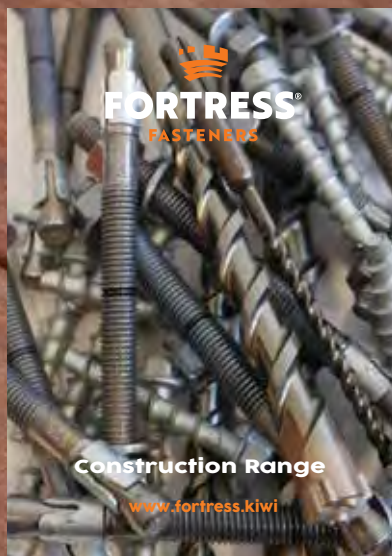


FORTRESS[®]
FASTENERS

DECKIT[™]

Quality stainless steel products manufactured to meet the
needs of all professionally constructed timber decking

Fortress Catalogues Now Available






FORTRESS®

FASTENERS

Manufacturing Suppliers Ltd (MSL) began business in 1980 as a small operation in New Lynn, Auckland and is now one of New Zealand's leading fastener suppliers. We have grown dramatically in the past thirty years and now employ over one hundred people who continue our company vision - to meet industry demands for a range of quality fasteners backed by a dependable service.

Now a wholly owned subsidiary of Steel & Tube Holdings Ltd, we take pride in supporting the New Zealand economy, and can now offer a full range of steel solutions in partnership with Steel & Tube.

 Our substantial growth since the eighties has included the introduction of 9 branches nationwide. Fortress has developed into a house hold name across many kiwi industries. Our local management means we understand the local market and have the ability to make decisions rapidly and easily. Large enough to meet the demands of any customer, we are still small enough to offer the personal touch.

With our network of fully-stocked branches carrying over 300 million items and 17,000 product lines. This makes us arguably the largest fastening wholesaler in the country. Our new products, creative packaging and merchandising initiatives have also earned us a reputation as industry innovators.

We owe our success to our ability to deliver on time and in full to a wide customer base in manufacturing industries, the building trade and to building supplies merchants in New Zealand.

This, combined with the strength of our own Fortress brand and our exceptional customer service is what makes MSL a market leader.

Our national management means we understand the local market and have the ability to make decisions rapidly and easily. Large enough to meet the demands of any customer, we are still small enough to offer the personal touch.

Branch Network

Auckland (Head Office)

560 Rosebank Road, Avondale
Phone 09 828 2777
Fax 09 828 2424

Albany

2 Ride Way, Albany
Phone 09 414 7620
Fax 09 414 7410

Hamilton

51 Vickery Street, Te Rapa
Phone 07 850 8434
Fax 07 850 5696

Mount Maunganui

7 Newton Street
Phone 07 575 0508
Fax 07 575 0557

Hastings

199 St. Aubyn Street West
Phone 06 873 3311
Fax 06 873 3315

New Plymouth

62 De Havilland Drive, Bell Block
Phone 06 8248950 or 06 8248951
Fax 06 7574391

Palmerston North

94 Kaimanawa Street
Phone 06 355 5990
Fax 06 355 5880

Wellington

6 Regent Street, Petone
Phone 04 586 2300
Fax 04 586 2600

Christchurch

66 Hammersmith Drive, Sockburn
Phone 03 343 6740
Fax 03 343 6741



Durability Icon Legend



Zinc - Internal use



Zinc Chromate - Internal use



Class 4 - External use



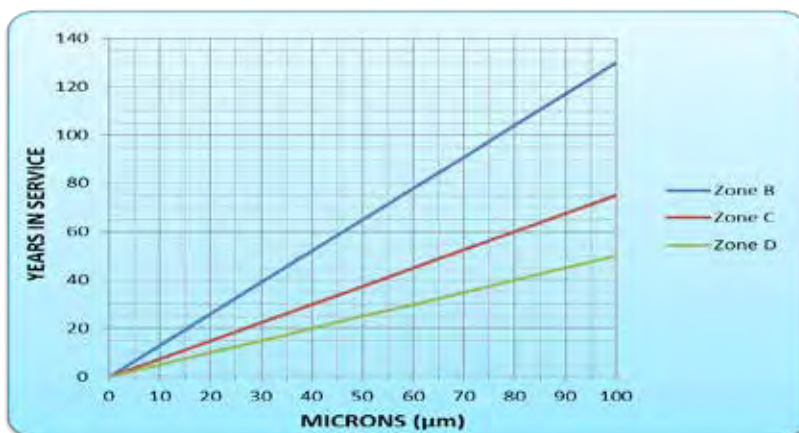
Galvanised - External use



T304 Stainless Steel - External use



T316 Stainless Steel - External and Marine use



Category	Coating Type	Coating Thickness (µm)	Standard
CLASS: 1	Electro Plated Zinc	4	AS 1791
CLASS: 2	Electro Plated Zinc	12	AS 1791
CLASS: 2	Mechanically Plated Zinc	17	AS 1791
CLASS: 3	Electro Plated Zinc	30	AS 1791
CLASS: 3	Mechanically Plated Zinc	40	AS 1791
CLASS: 3	Hot Dipped Galvanised	30	AS 1791
CLASS: 4	Mechanically Plated Zinc	45	AS 1791
CLASS: 4	Hot Dipped Galvanised	50	AS 1791
HDG	Hot Dipped Galvanised	84	AS 1214 / AS 4680

Exposure Zone Descriptions

Zone B: Low

Inland areas with little risk from wind blown sea-spray salt deposits.

Zone C: Medium

Inland costal areas with medium risk from wind blown sea-spray salt deposits. This covers mainly coastal areas with relatively low salinity. The extent of the affected area varies significantly with factors such as winds, topography and vegetation.

Zone D: High

Coastal areas with high risk of wind blown sea-spray deposits. This is defined as within 500m of the sea including harbours or 100m from tidal estuaries and sheltered inlets. This also includes all offshore islands.

Decking Screws Raised Countersunk

T304 Stainless Steel

T316 Stainless Steel



Cutting system offers fast fixing into hardwood timber decking.



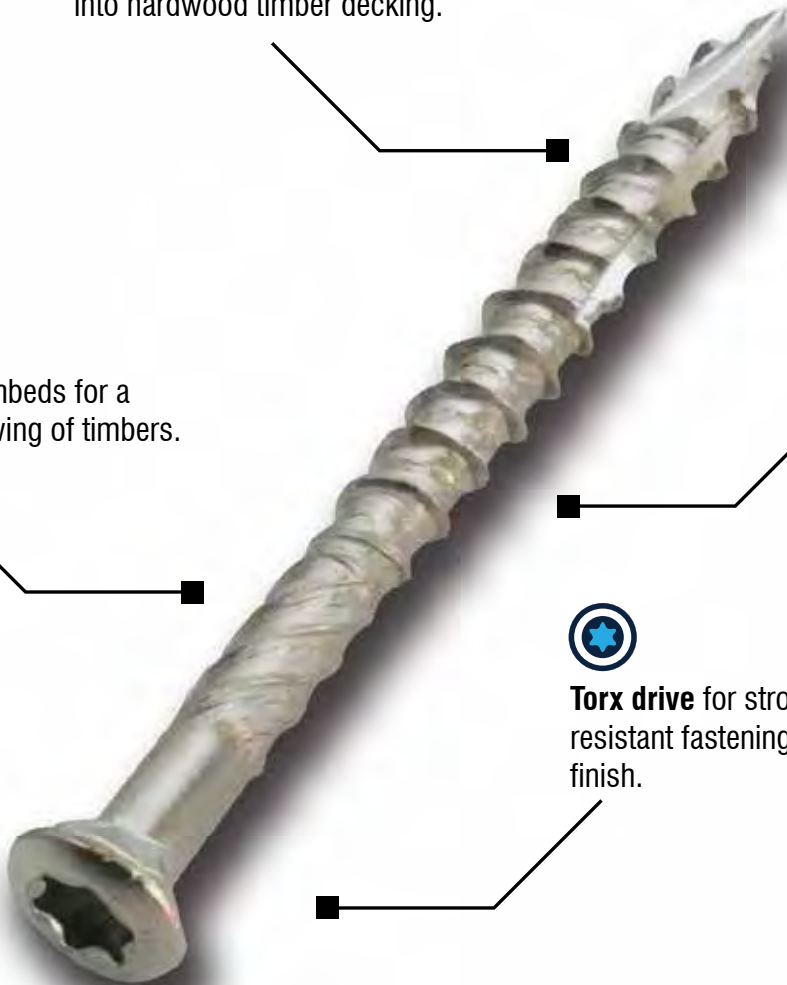
Double thread firmly embeds for a tight finish; reduces bowing of timbers.



Square thread reduces resistance during installation.



Torx drive for strong, fast, cam-out resistant fastening and a smart looking finish.



Free Torx drive in every pack

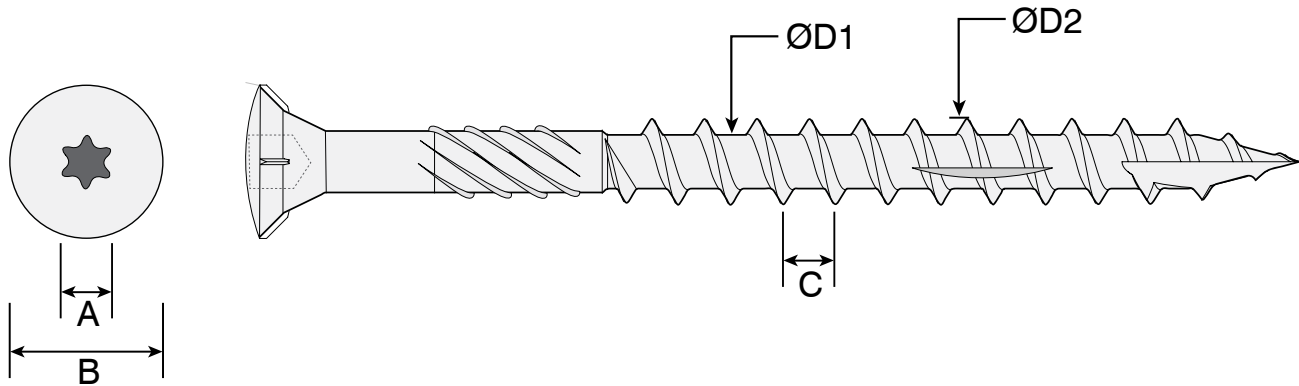


QTY: 100



QTY: 1000

Screw Dimensions



8 Gauge

A	T-25
B	7mm
C	2.8mm
ØD1	3.4mm
ØD2	4.7 - 5.0mm

10 Gauge

A	T-25
B	8mm
C	3mm
ØD1	3.6mm
ØD2	5.0 - 5.4mm

12 Gauge

A	T-25
B	10mm
C	3mm
ØD1	3.9mm
ØD2	5.3 - 5.7mm



T304 Raised Csk



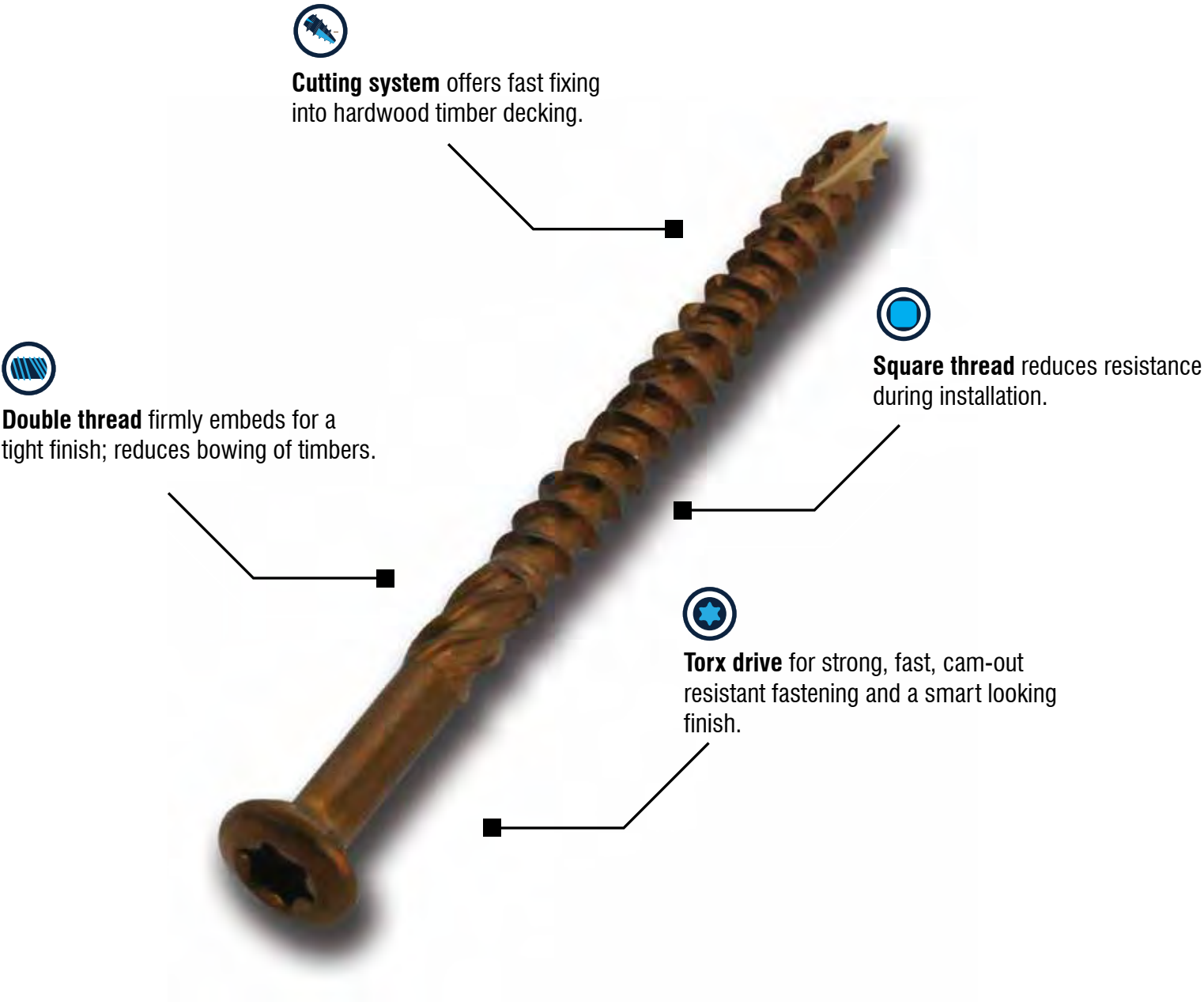
PART CODE	BOX CODE	DESCRIPTION	PACK QTY	BOX QTY
DECKX850P100	DECKX850P	8G X 50	100	1000
DECKX865P100	DECKX865P	8G X 65	100	1000
DECKX1060P100	DECKX1060P	10G X 60	100	1000
DECKX1075P100	DECKX1075P	10G X 75	100	1000
DECKX1275P100	DECKX1275P	12G X 75	100	1000
DECKX1290P100	DECKX1290P	12G X 90	100	1000

T316 Raised Csk

PART CODE	BOX CODE	DESCRIPTION	PACK QTY	BOX QTY
DECKX1060TP100	DECKX1060TP	10G X 60	100	1000
DECKX1075TP100	DECKX1075TP	10G X 75	100	1000
DECKX1275TP100	DECKX1275TP	12G X 75	100	1000
DECKX1290TP100	DECKX1290TP	12G X 90	100	1000

Decking Screws Raised Countersunk (Bronze)

BRONZED 304 Stainless Steel



Free Torx drive in every pack

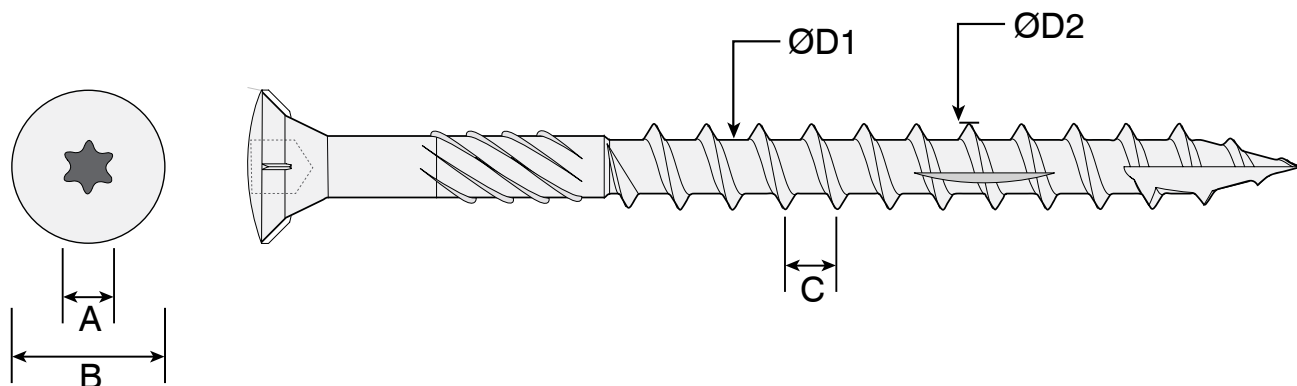


QTY: 100



QTY: 1000

Screw Dimensions

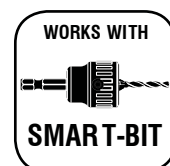
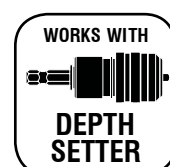


10 Gauge

A	T-25
B	8mm
C	3mm
ØD1	3.6mm
ØD2	5.0 - 5.4mm

12 Gauge

A	T-25
B	10mm
C	3mm
ØD1	3.9mm
ØD2	5.3 - 5.7mm



T304 Raised Csk (Bronze)



PART CODE	BOX CODE	DESCRIPTION	PACK QTY	BOX QTY
DECKX1060BR100	DECKX1060BR	10G X 60	100	1000
DECKX1075BR100	DECKX1075BR	10G X 75	100	1000
DECKX1275BR100	DECKX1275BR	12G X 75	100	1000
DECKX1290BR100	DECKX1290BR	12G X 90	100	1000

Decking Screws Flush Countersunk

T304 Stainless Steel

T316 Stainless Steel



Cutting system offers fast fixing into hardwood timber decking.



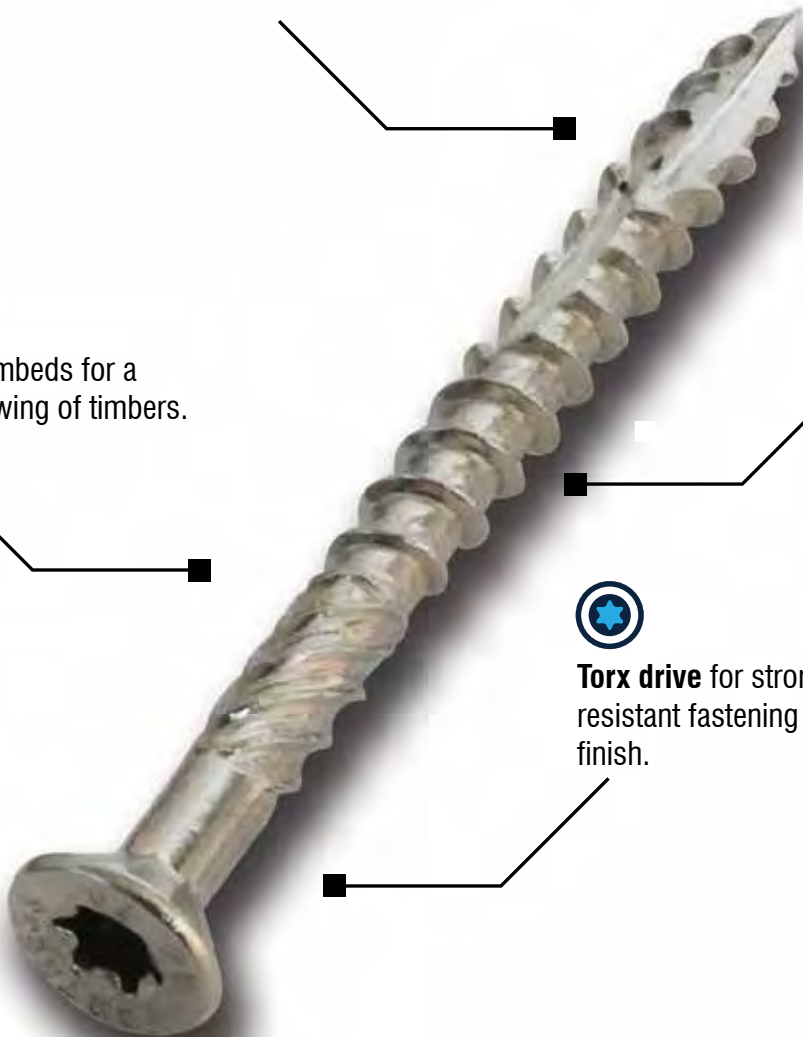
Double thread firmly embeds for a tight finish; reduces bowing of timbers.



Square thread reduces resistance during installation.



Torx drive for strong, fast, cam-out resistant fastening and a smart looking finish.



Free Torx drive in every pack

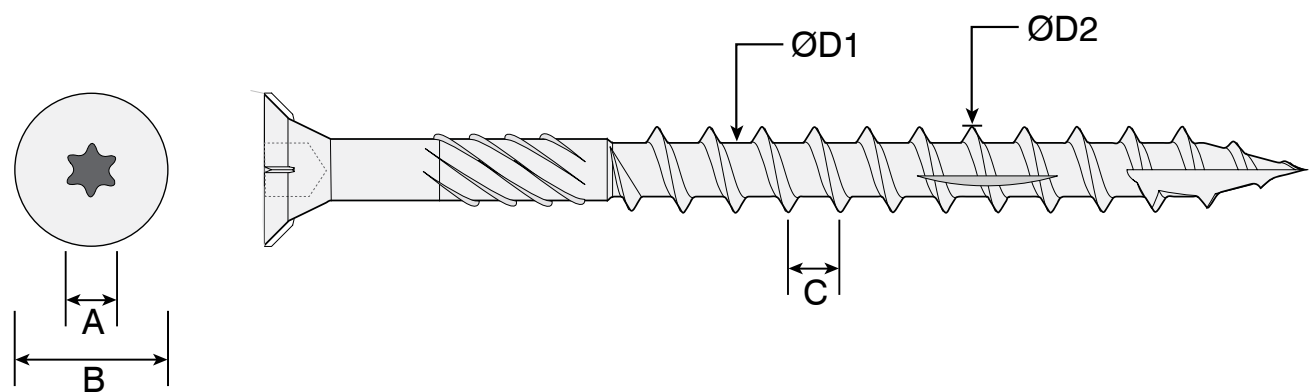


QTY: 100



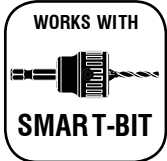
QTY: 1000

Screw Dimensions



10 Gauge

A	T-25
B	8mm
C	3mm
ØD1	3.6mm
ØD2	5.0 - 5.4mm



T3O4 Flush Csk



PART CODE	BOX CODE	DESCRIPTION	PACK QTY	BOX QTY
DECKXCSK1060P100	DECKXCSK1060P	10G X 60	100	1000

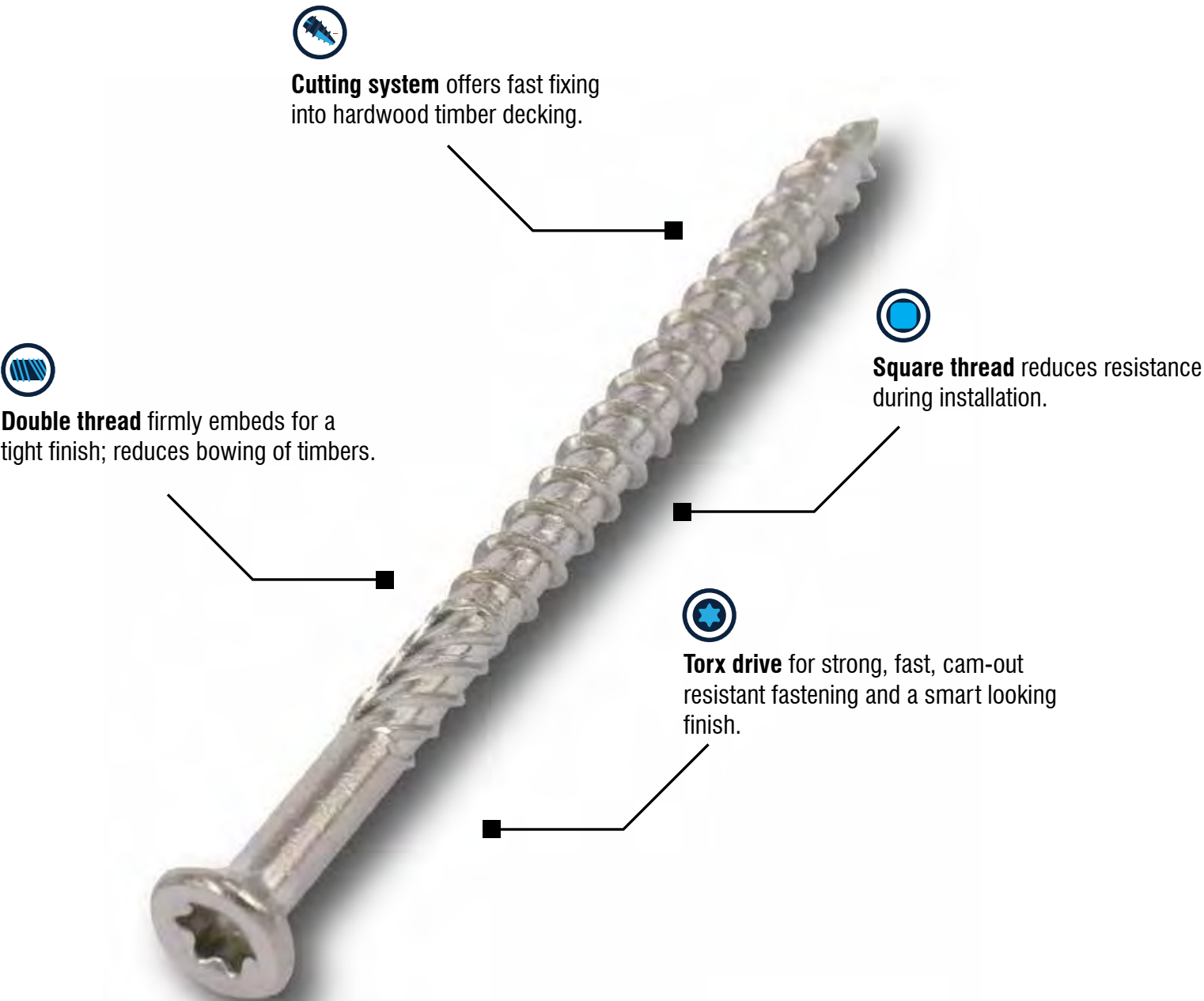
T316 Flush Csk

PART CODE	BOX CODE	DESCRIPTION	PACK QTY	BOX QTY
DECKXCSK1060TP100	DECKXCSK1060TP	10G X 60	100	1000

Decking Screws Flush Countersunk - Long

T304 Stainless Steel

T316 Stainless Steel



Double thread firmly embeds for a tight finish; reduces bowing of timbers.



Cutting system offers fast fixing into hardwood timber decking.



Square thread reduces resistance during installation.



Torx drive for strong, fast, cam-out resistant fastening and a smart looking finish.

Free Torx drive in every pack

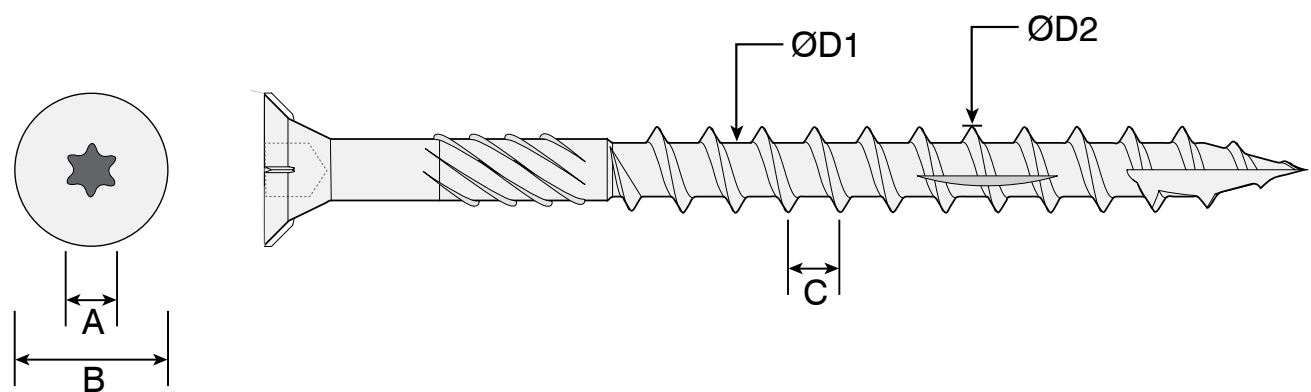


QTY: 100



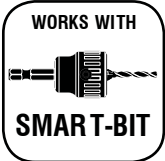
QTY: 1000

Screw Dimensions



12 Gauge

A	T-25
B	10mm
C	3mm
ØD1	3.9mm
ØD2	5.3 - 5.7mm



T3O4 Flush Csk - Long



PART CODE	BOX CODE	DESCRIPTION	PACK QTY	BOX QTY
DECKX12100P100	DECKX12100P	12G X 100	100	1000
DECKX12120P100	DECKX12120P	12G X 120	100	1000

Bugle Batten Screws

T316 Stainless Steel



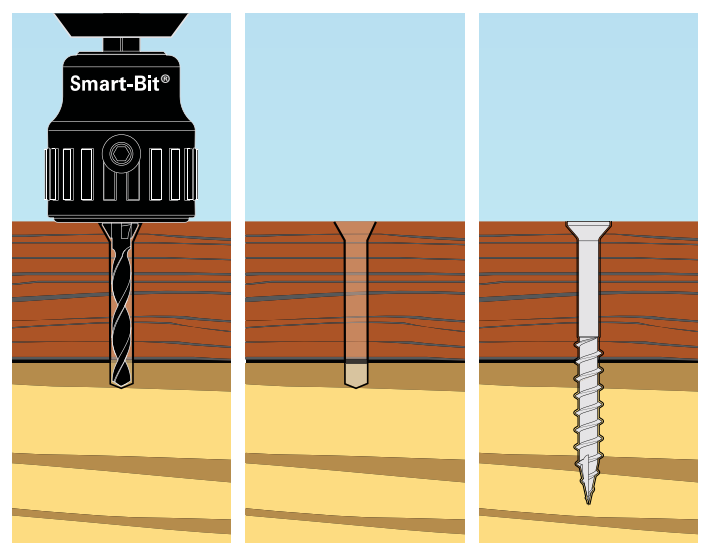
JAR PART #	PACK PART #	SIZE	HEX mm	ED(mm)	JAR QTY	PACK QTY
	TTBX1450T	14G x 50mm	5	30		100
	TTBX1475T	14G x 75mm	5	35		100
TTBX1490TJ	TTBX1490T	14G x 90mm	5	35	25	100
TTBX14100TJ	TTBX14100T	14G x 100mm	5	35	25	100
TTBX14120TJ	TTBX14120T	14G x 120mm	5	35	25	100
TTBX14150TJ	TTBX14150T	14G x 150mm	5	35	25	100

SMART-BIT® Pre-Drilling and Countersinking Tool



SMART-BIT® Pre-drilling and Countersinking Tool is designed for decking and general woodworking. The tool features a pre-set countersink, a free spinning stop collar to protect the work surface, and replaceable Powerbolic® fluted drill bits that cut through decking more than twice as fast as standard wood bits.

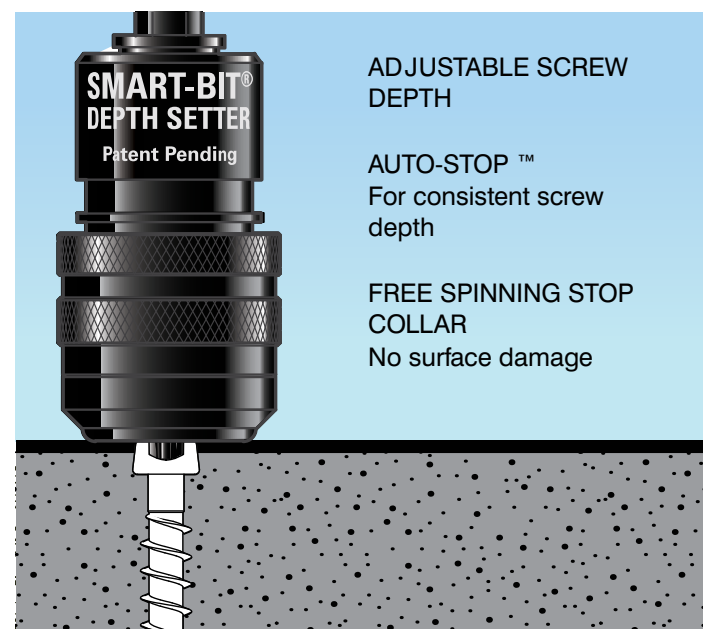
HEADCOTE® 305 and 316 and DECKFAST® Stainless 305 and 316 compatible: The countersink profiles of Smart-Bit tools are precisely matched to Headcote® and Deckfast® Stainless screws. For materials that require pre-drilling, especially hardwoods, this product combination makes it easy to achieve a clean and professional finish.



SMART-BIT® Depth Setting Tool



SMART-BIT® Deck Screw Depth Setter is designed to make fastening decks, drywall, and general screw setting easier and faster, with clean and uniform results: perfectly set screws every time. The tool is adjustable so that it can be used with many different screw types and sizes, and features an Auto-Stop™ mechanism that sets the screw at the target depth without stripping the screw recess. A free spinning stop collar with rubber O-ring protects the work surface from damage or marking. The Depth Setter works with both Phillips® and Torx® bits and is designed for use with a full range of Starborn fasteners. The Depth Setter also works well with other fastener products.



SMART-BIT® Features

Free-Spinning Stop Collar with O-ring

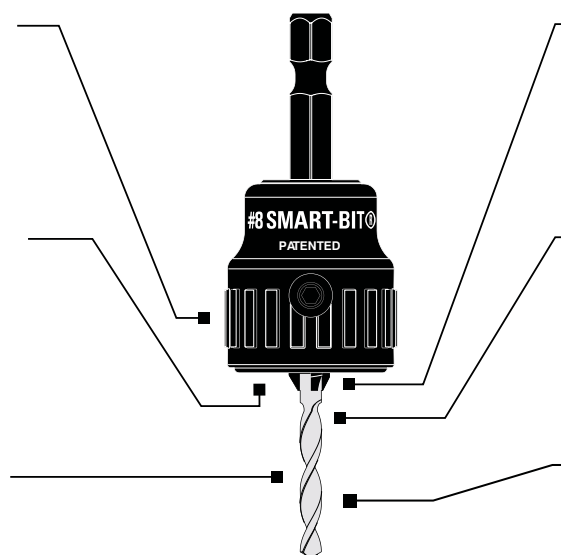
The Smart-Bit stop collar spins free of the drill bit, preventing marring or burnishing of the deck surface. When the stop collar stops spinning, the hole is complete.

Anti-Clog Debris Cavity

The Smart-Bit debris cavity gathers waste material, keeping it clear of the countersink, unlike conventional flush mounted countersinks. The waste simply falls out onto the deck surface after each hole is completed.

Powerbolic® High-Speed Drill Bit

The Powerbolic bit has specially designed fluting that cuts through decking more than twice as fast as standard wood bits, even dense composites and hardwoods.



Pre-set Countersink

Smart-Bit matches the head diameter, head angle and countersink depth of corresponding Headcote 305 and 316 as well as Deckfast Stainless 305 and 316 screw sizes for the perfect hole and fit. Everything is pre-set in the tool assembly.

Replaceable Bit:

Smart-Bit tools come with two extra Replacement Bits and a 3/32" hex wrench for use with the set screw that holds the drill bits in place. Replacement Bits are also sold separately in packs of five bits each.

Pre-set Shaft Length

Together with the countersink, the overall hole depth for the #7 Trim, #8 Trim and #10 Flat sizes is 1-1/8" deep, designed for use with lumber up to 5/4" (nominal).

TOOL SIZE Gauge (mm)	HEAD STYLE	DRILL BIT mm (inch)	COUNTERSINK DIA. mm (inch)	COUNTER- SINK ANG LE	HOLE DEPTH* mm (inch)
#7 (4.2 mm)	Trim	3.0 (7/64")6	.2 (1/4")	60°	30 (1-1/8")
#8 (4.5 mm)	Trim	3.2 (1/8")	6.6 (17/64")	60°	30 (1-1/8")
#10 (5.0 mm)	Flat	3.6 (9/64")9	.2 (23/64")	90°	30 (1-1/8")
#12 (5.5 mm)	Flat	4.0 (5/32")1	1 (7/16")	82°	40 (1-9/16")
#14 (6.0 mm)	Flat	4.8 (3/16")1	2.2 (31/64")	82°	40 / 75 (1-9/16" / 3")
#14 PLUS (6.2 mm)*	Flat	5.25 (13/64")1	2.9 (1/2")	82°	40 / 75 (1-9/16" / 3")

*#14 PLUS Smart-Bit sold as #14 Smart-Bit in AU & NZ.

*Overall hole depth including countersink portion. When installing decking it is general practice to not pre-drill the underlying (joist) material, as this is usually treated lumber and does not require pre-drilling. The 1-1/8" overall hole depth of the #7 Trim, #8 Trim and #10 Flat sizes provides sufficient depth for installing deck lumber up to 5/4" nominal size.

*#14 Smart-Bit and #14 PLUS Smart-Bit come with two (2) 40 mm bits and one (1) 75 mm bit.



Smart-Bit
Tool



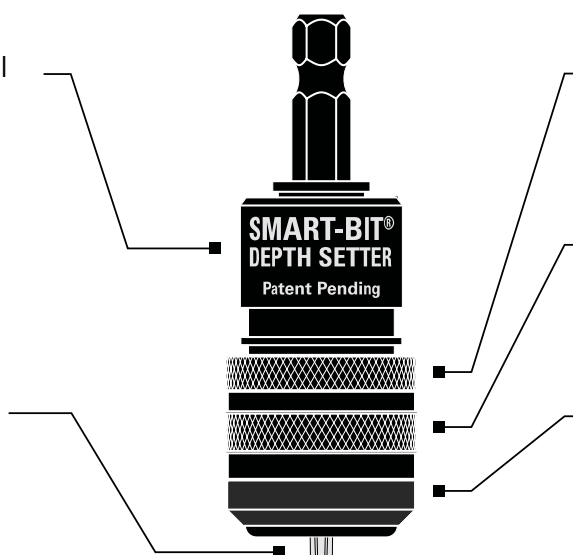
Replacement
Bits

Auto-Stop™ Mechanism

Once target depth is reached, the Auto-Stop™ mechanism inside the tool disengages the driver bit and stops the screw from driving further - without stripping the screw recess.

Works with Torx® and Phillips® Bits

Each tool includes one T-20 bit in the tool and four additional replacement bits: (2) T-20 bits, (1) T-25 and (1) #2 PH.



Locking Ring

Secures the depth setting of the tool for consistent screw depth, every time.

Adjustment Ring

Depth can be adjusted for many different types and sizes of screws, and applications.

Free Spinning Stop Collar

The free spinning stop collar is fitted with a rubber O-ring to prevent damage to the work surface once the target depth is reached.

A PERFECT HOLE AND FIT... EVERY TIME

Merchandising - Large Display

1850 H x 900 W x 410 D

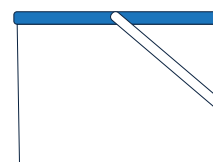
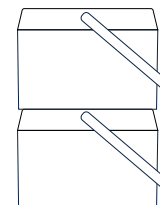
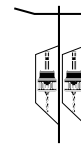


Quality stainless steel products manufactured to meet the needs of all professionally constructed timber decking.

COMPLIES WITH NZS 3604:2011
TESTED AND APPROVED BY:



SGS FORTRESS®



FORTRESS
FASTENERS

1850mm

Merchandising - Small Display

1850 H x 600 W x 410 D



