

# BluScrews SELF-TAPPING CONCRETE SCREWS

## RUSPERT BLUE

### BluScrews

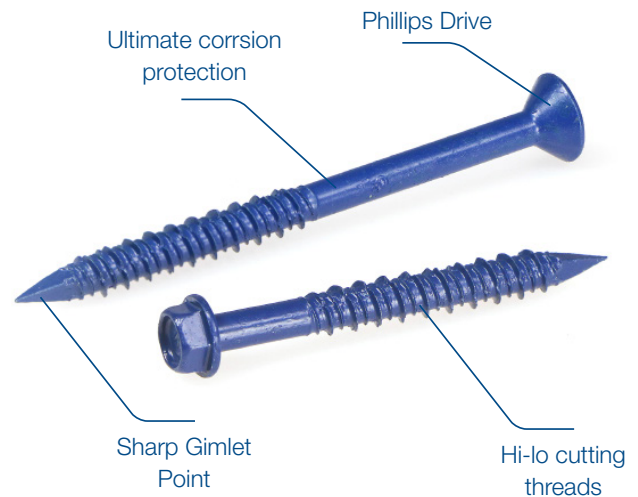
BluScrews are a self tapping anchor for light to medium duty applications in concrete, masonry block, brick, and wood base materials. Works like a screw acts like an anchor – quick and easy to install. Secure metal or timber to concrete with the optional countersunk finish. Durable and finished in a blue ruspert for long life-span and corrosion protection.

#### Key Features

- Non-expanding anchor, close to edge fixing
- Hi-lo cutting threads achieve optimum insertion into all masonry types
- Removable
- Flat countersunk head or hexagonal head
- Suitable for concrete, solid brick, perforated brick, hollow blocks, natural stone
- Ruspert Coating (Blue) 15-20um- R1000 hour salt spray test\*

#### Use

- Subsill & frame installation
- Timber battens to masonry
- Top-hat installation on masonry
- Metal brackets, plates, and hinges to masonry
- Door and window frame installation screw



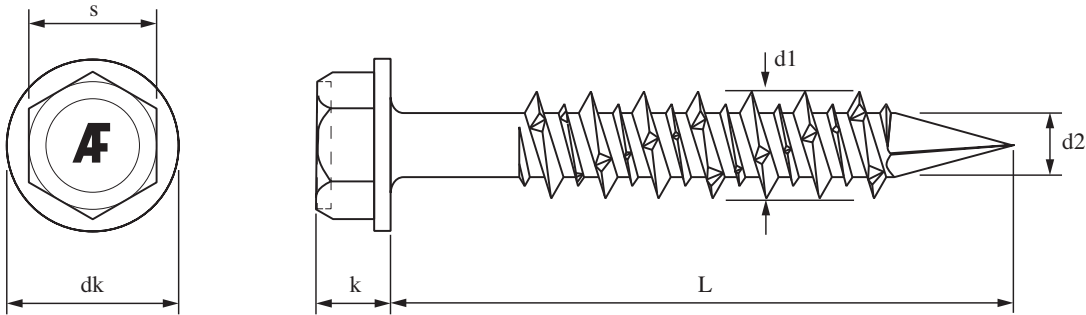
### PRODUCT ORDERING INFORMATION

SKU	HEXAGONAL Head	Pre-Drill	Fixture, max	Hole Depth, min	Embedment Depth	WLL Tensile Cap. (kN)**	WLL Shear Cap. (kN)**		
	Dia. x Length	d <sub>o</sub>	t <sub>fix</sub>	h <sub>o</sub>	h <sub>ef</sub>	N <sub>WLL</sub>	V <sub>WLL</sub>		
1-2720	6.5 x 32 mm	5 mm	2 mm	40 mm	30 mm	Not tested	Not tested	100	1000
1-2722	6.5 x 45 mm		15 mm						
1-2724	6.5 x 58 mm		13 mm						
1-2726	6.5 x 70 mm		25 mm	55 mm	45 mm	2.1 kN	2.3 kN	100	1000
1-2728	6.5 x 83 mm		38 mm						
1-2732	6.5 x 100 mm		55mm						

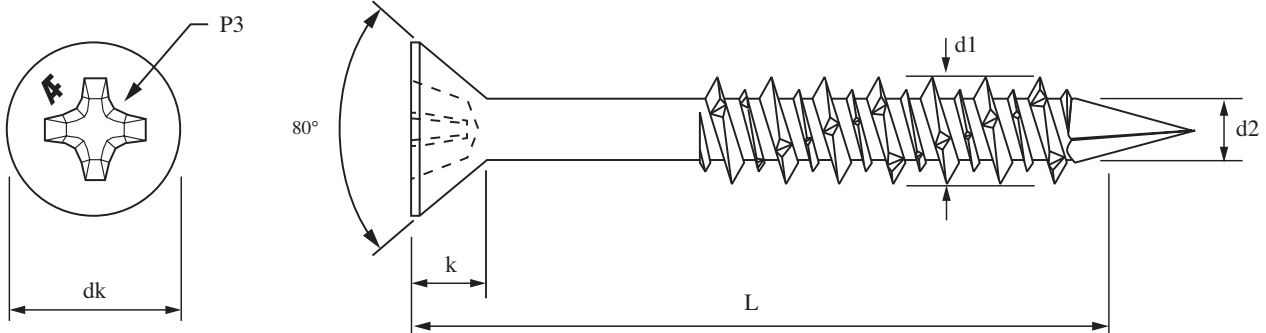
SKU	COUNTERSUNK Head	Pre-Drill	Fixture, max	Hole Depth, min	Embedment Depth	WLL Tensile Cap. (kN)**	WLL Shear Cap. (kN)**		
	Dia. x Length	d <sub>o</sub>	t <sub>fix</sub>	h <sub>o</sub>	h <sub>ef</sub>	N <sub>WLL</sub>	V <sub>WLL</sub>		
1-2760	6.5 x 32 mm	5 mm	2 mm	40 mm	30 mm	Not tested	Not tested	100	1000
1- 2762	6.5 x 45 mm		15 mm						
1- 2764	6.5 x 58 mm		13 mm						
1- 2766	6.5 x 70 mm		25 mm	55 mm	45 mm	2.1 kN	2.3 kN	100	1000
1- 2768	6.5 x 83 mm		38 mm						
1- 2770	6.5 x 95 mm		50 mm						
1- 2774	6.5 x 125 mm		80 mm					100	500
1- 2776	6.5 x 150 mm	105 mm					100	500	

\*Generally comparable to the 1000 hours salt spray test of Class 3 coating for use in external conditions in mild to moderate environments.

\*\*32MPa un-cracked concrete with no spacing or edge distance influences. WLL (Working Load Limit) = SWL = Recommended load

**BluScrews SELF-TAPPING CONCRETE SCREWS**  
RUSPERT BLUE**PHYSICAL DIMENSIONS**

Major Dia.	Minor Dia.	Head Dia.	Head Depth	Driver	Length, range
d1	d2	dk	k	s	L
6.5mm	5.0mm	11mm	5.2mm	5/16 (7.9mm)	32 -100 mm



Major Dia.	Minor Dia.	Head Dia.	Head Depth	Driver	Length, range
d1	d2	dk	k	s	L
6.5 mm	5.0 mm	12.5 mm	4.0 mm	P3	32 -150 mm

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## INSTALLATION SETTING

### 1. Select

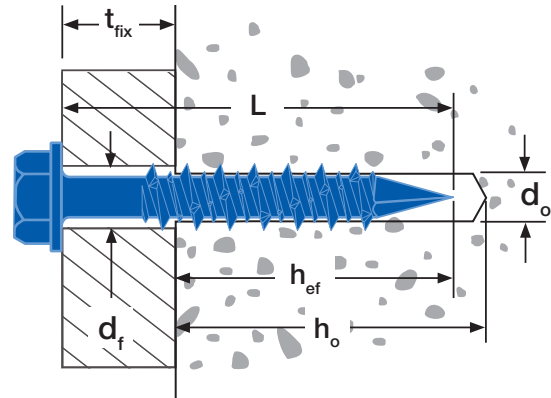
Select the appropriate length BluScrew for your fixture thickness. Make sure the minimum embedment depth is achieved. *(We do not recommend more than 60mm of embedment for this type of anchor.)*

### 2. Drill

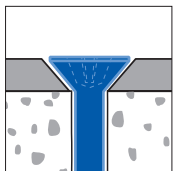
Pre-drill a 5 mm hole into substrate to the required embedment depth. Always over drill the hole depth for dust and debris. Countersinking is only required for metal fixture plates, see below. *(Note: in some circumstances of high MPa masonry a 5.5mm hole is permissible.)*

### 3. Drive

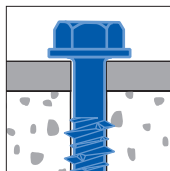
Place your fixture hard up against the substrate material and drive the BluScrew with an impact driver (max. capacity 120Nm) power tool using the appropriate driver bit. **STOP** once the fixture is firmly clamped, take care to not over-tighten the BluScrew.



Countersunk



Hexagonal



Length (mm)	L	32 – 45 mm	58 – 150 mm
Driver Bit Size		5/16" or P3	
Pre-Drill Hole Ø	d <sub>o</sub>	5 mm	
Min Anchor Embedment Depth	h <sub>ef</sub>	30 mm	45 mm
Min Drill Hole Depth	h <sub>o</sub>	40 mm	55 mm
Max Clearance Hole	d <sub>f</sub>	8.0 mm	
Max Fixture Thickness	t <sub>fix</sub>	Length (L) minus Min Embedment Depth (h <sub>ef</sub> )	