



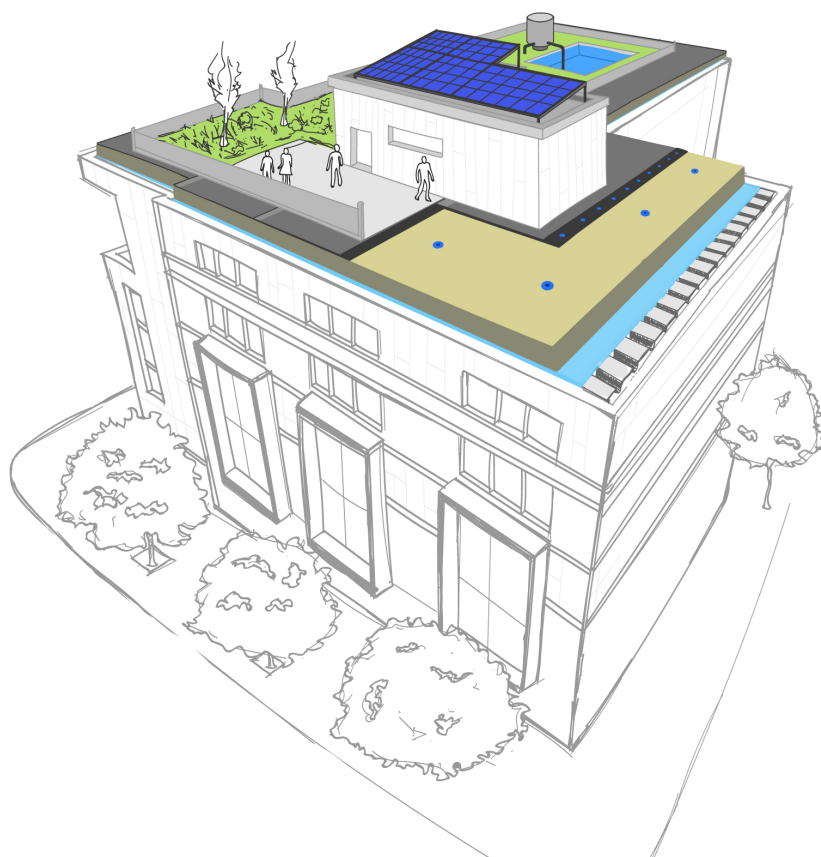
GUARDIAN

your smart roof guide

GET MORE OUT OF YOUR ROOF

Guardian is more than just a flat
roof fastening manufacturer.

We are connectors!



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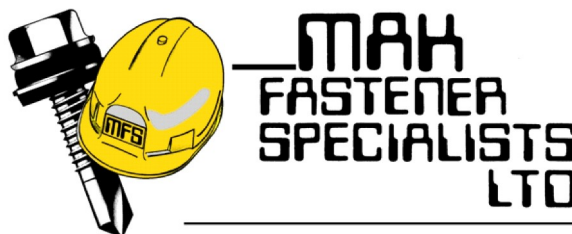
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Combination Table - TELESCOPIC TUBES / FASTENERS

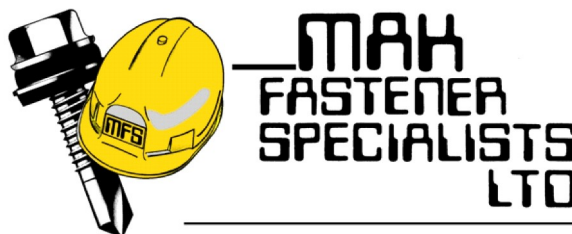
TYPE OF FASTENER:		STEELDECK (BUILD-UP + 20MM)	CONCRETE (BUILD-UP + 25MM)		WOOD (BUILD-UP + 25MM)
BUILD-UP	TUBE LENGTH	BS / PS	CS	KPNS	KPWS
40	20	60	70	65	65
50	20	70	80	75	75
60	40	60	70	65	65
70	40	70	60	75	75
80	60	60	70	65	65
90	60	70	80	75	75
100	80	60	70	65	65
110	90	60	70	65	65
120	100	60	70	65	65
130	100	70	80	75	75
140	120	60	70	65	65
150	120	70	80	75	75
160	120	80	90	85	85
170	150	60	70	65	65
180	150	70	80	75	75
190	150	80	90	85	85
200	180	60	70	65	65
210	180	70	80	75	75
220	180	80	90	85	85
230	210	60	70	65	65
240	210	70	80	75	75
250	210	80	90	85	85
260	240	60	70	65	65
270	240	70	80	75	75
280	240	80	90	85	85
290	270	60	70	65	65
300	270	70	80	75	75
310	270	80	90	85	85
320	300	60	70	65	65
330	300	70	80	75	75
340	300	80	90	85	85
350	330	60	70	65	65
360	330	70	80	75	75
370	330	80	90	85	85
380	330	90	100	95	95
390	330	100	120	105	105
400	330	110	120	115	120
410	330	120	140	125	120
420	330	130	140	--	--
430	330	140	160	--	--
440	330	150	160	--	--
450	330	160	180	--	--
460	330	170	180	--	--
470	330	180	200	--	--
480	330	200	200	--	--
490	330	200	220	--	--
500	330	220	220	--	--
NOTE: ALL SIZES IN MM					

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BS 4.8mm

**INSULATION &
MEMBRANE TO
STEEL DECK
0.7mm TO 1.25mm
THICK**



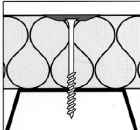
PRODUCT DESCRIPTION

- 4.8mm Diameter
- For use with Guardian Tube system
- Torx 25 Drive Head
- Drillpoint (drilling capacity 2 x 1.25mm)
- Packed in buckets
- NBI Approval
- Enduroguard Coating, 15 cycles

Code	Description
19-BS-48050	4.8x50mm Guardian BS Roofing Screw
19-BS-48060	4.8x60mm Guardian BS Roofing Screw
19-BS-48070	4.8x70mm Guardian BS Roofing Screw
19-BS-48080	4.8x80mm Guardian BS Roofing Screw
19-BS-48090	4.8x90mm Guardian BS Roofing Screw
19-BS-48100	4.8x100mm Guardian BS Roofing Screw
19-BS-48110	4.8x110mm Guardian BS Roofing Screw
19-BS-48120	4.8x120mm Guardian BS Roofing Screw
19-BS-48130	4.8x130mm Guardian BS Roofing Screw
19-BS-48140	4.8x140mm Guardian BS Roofing Screw
19-BS-48150	4.8x150mm Guardian BS Roofing Screw
19-BS-48170	4.8x170mm Guardian BS Roofing Screw
19-BS-48190	4.8x190mm Guardian BS Roofing Screw

Substrate	Pull-Out Value
Steel 0.75mm	1.6kN
Steel 1.00mm	2.0kN

Based on 20mm Fastener Penetration

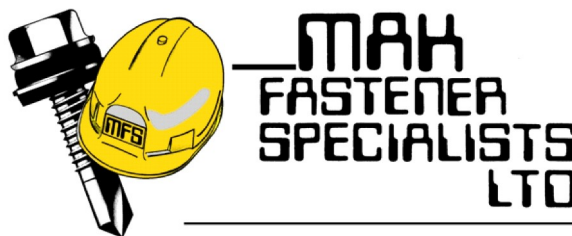
R75 Standard ✓ 	R45 Standard ✓ 	 
RB48 Standard ✓ 	 	

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BS Stainless Steel 4.8mm

**INSULATION &
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STEEL DECK
0.7mm TO 1.25mm
THICK**

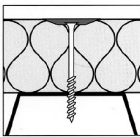


PRODUCT DESCRIPTION

- 4.8mm Diameter
- For use with Guardian Tube system
- Torx 25 Drive Head
- Drillpoint carbon steel (drilling capacity 2 x 1.25mm)
- Packed in buckets
- NBI Approval
- Stainless Steel A4 + coating

Code	Description
19-BS-S-48060	4.8x60mm Guardian St/Steel BS Roofing Screw
19-BS-S-48080	4.8x80mm Guardian St/Steel BS Roofing Screw
19-BS-S-48100	4.8x100mm Guardian St/Steel BS Roofing Screw
19-BS-S-48120	4.8x120mm Guardian St/Steel BS Roofing Screw
19-BS-S-48140	4.8x140mm Guardian St/Steel BS Roofing Screw

Substrate	Pull-Out Value
Steel 0.75mm	1.6kN
Steel 1.00mm	2.0kN
Based on 20mm Fastener Penetration	

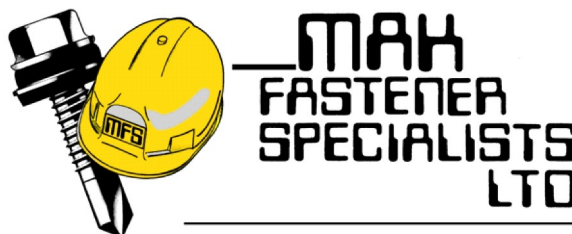
R75 Standard ✓ 	R45 Standard ✓ 	 
RB48 Standard ✓ 		

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**INSULATION &
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TIMBER OR STEEL
DECK 0.88mm**



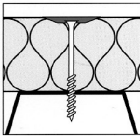
PS 4.8mm

PRODUCT DESCRIPTION

- 4.8mm Diameter
- For use with Guardian Tube system
- Torx 25 Drive Head
- Drillpoint (drilling capacity 0.88mm)
- Packed in buckets
- NBI Approval
- Enduroguard Coating, 15 cycles

Code	Description
19-PS-48050	4.8x50mm Guardian PS Roofing Screw
19-PS-48060	4.8x60mm Guardian PS Roofing Screw
19-PS-48070	4.8x70mm Guardian PS Roofing Screw
19-PS-48080	4.8x80mm Guardian PS Roofing Screw
19-PS-48090	4.8x90mm Guardian PS Roofing Screw
19-PS-48100	4.8x100mm Guardian PS Roofing Screw
19-PS-48110	4.8x110mm Guardian PS Roofing Screw
19-PS-48120	4.8x120mm Guardian PS Roofing Screw
19-PS-48130	4.8x130mm Guardian PS Roofing Screw
19-PS-48140	4.8x140mm Guardian PS Roofing Screw
19-PS-48150	4.8x150mm Guardian PS Roofing Screw
19-PS-48160	4.8x160mm Guardian PS Roofing Screw
19-PS-48170	4.8x170mm Guardian PS Roofing Screw

Substrate	Pull-Out Value
Steel 0.75mm	1.6kN
Steel 0.88mm	1.8kN
Based on 20mm Fastener Penetration	

R75 Standard ✓ 	R45 Standard ✓ 	 
RB48 Standard ✓ 	 	

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**INSULATION &
MEMBRANE TO
STEEL DECK
0.63mm TO 1.25mm
THICK**



BS 6.1mm

PRODUCT DESCRIPTION

- 6.1mm Diameter
- For use with Guardian Tube system
- Torx 25 Drive Head
- Drillpoint (drilling capacity 2 x 1.25mm)
- Packed in buckets
- NBI Approval
- Screw for extra high pullout resistance
- Enduroguard Coating, 15 cycles



Code	Description
19-BS-61060	6.1x60mm Guardian BS Roofing Screw
19-BS-61080	6.1x80mm Guardian BS Roofing Screw
19-BS-61100	6.1x100mm Guardian BS Roofing Screw
19-BS-61120	6.1x120mm Guardian BS Roofing Screw

Substrate	Pull-Out Value
Steel 0.63mm	1.9kN
Steel 0.75mm	2.1kN
Steel 0.88mm	2.5kN
Steel 1.25mm	3.5kN

Based on 20mm Fastener Penetration

R75 Standard ✓ 	R45 Standard ✓ 	 
RB48 Standard ✓ 	 	

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KPWS 5.2mm

PRODUCT DESCRIPTION

INSULATION & MEMBRANE TO TIMBER DECK



- 5.2mm Diameter
- For use with Guardian Tube system & DMPA 40 Plates
- P2 Drive Head
- S-Point
- Packed in buckets
- NBI Approval
- Enduroguard Coating, 15 cycles

Code	Description
19-KPWS-5025	5.2x25mm Guardian Wood Screws
19-KPWS-5035	5.2x35mm Guardian Wood Screws
19-KPWS-5045	5.2x45mm Guardian Wood Screws
19-KPWS-5055	5.2x55mm Guardian Wood Screws
19-KPWS-5065	5.2x65mm Guardian Wood Screws
19-KPWS-5075	5.2x75mm Guardian Wood Screws

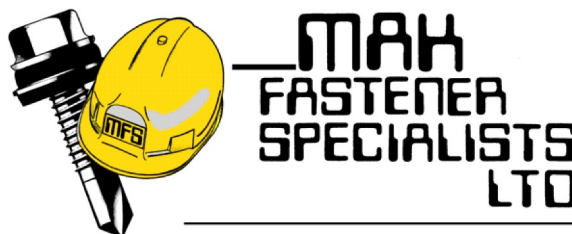
R75 Standard ✓ 	R45 Standard ✓ 	  
RB48 Standard ✓ 	22-DMPA-40 ✓ 	

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INSULATION & MEMBRANE TO CONCRETE DECK

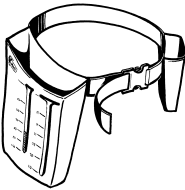
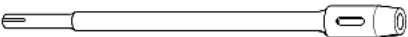
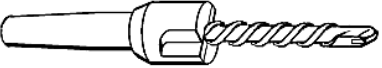


KPNS NAIL

PRODUCT DESCRIPTION

- 5.0 / 5.7mm Diameter
- For use with Guardian Tube system
- Minimum Embedment 25mm
- 5.0mm Pre-Drill Hole Diameter
- Packed in buckets
- NBI Approval

Code	Description
19-KPNS-50/57-045	5.0/5.7x45mm Guardian Stainless Steel Nail
19-KPNS-50/57-055	5.0/5.7x55mm Guardian Stainless Steel Nail
19-KPNS-50/57-065	5.0/5.7x65mm Guardian Stainless Steel Nail
19-KPNS-50/57-075	5.0/5.7x75mm Guardian Stainless Steel Nail
19-KPNS-50/57-085	5.0/5.7x85mm Guardian Stainless Steel Nail

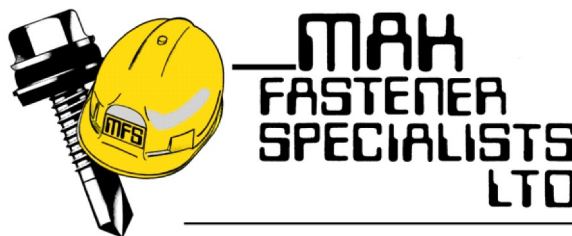
Setting Tools		
Code	Description	
17-300004	Guardian Blue Pouch 	R75 Standard ✓ 
17-303001	500mm SDS Drill Extension 	
17-303002	500mm SDS Drive Bar 	RB48 Standard ✓ R45 Standard ✓ 
17-303003	5.0x50mm SDS Cutter 	

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**INSULATION &
MEMBRANE TO
CONCRETE DECK**



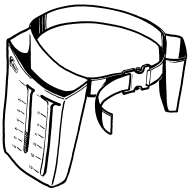
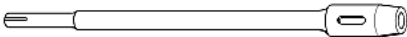
CS 6.1

PRODUCT DESCRIPTION

- Hi-Lo Thread
- For use with Guardian Tube system
- Minimum Embedment 25mm
- 5.0mm Pre-Drill Hole Diameter
- Packed in buckets
- NBI Approval



Code	Description
19-CS-61070	6.1x70mm Guardian CS Roofing Screw
19-CS-61080	6.1x80mm Guardian CS Roofing Screw
19-CS-61090	6.1x90mm Guardian CS Roofing Screw
19-CS-61100	6.1x100mm Guardian CS Roofing Screw
19-CS-61120	6.1x120mm Guardian CS Roofing Screw

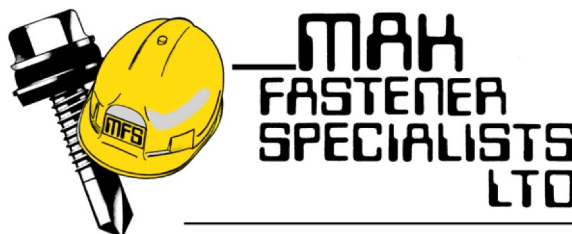
Setting Tools		
Code	Description	
17-300004	Guardian Blue Pouch 	R75 Standard ✓ 
17-303001	500mm SDS Drill Extension 	
17-303003	5.0x50mm SDS Cutter 	RB48 Standard ✓ R45 Standard ✓ 
82-TORX25150		

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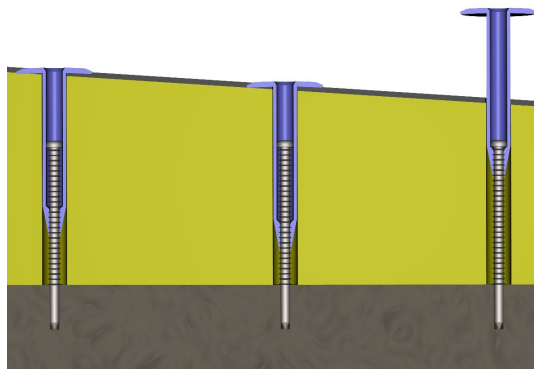
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ASRF: For Tapered Insulation on Concrete Roofs

PRODUCT DESCRIPTION



- Stainless Steel A2 Nail
- To suit Guardian Tubes Ø 45 & 75mm
- For Insulation Layers from 60 to 435mm thick
- 5.0mm Pre-Drill Hole Diameter with special stopper
- Special tools so you can work in an upright position
- Bridge 60mm of slope insulation with 1 length



Build-up Thickness ASRF Ø 45mm Membrane Fix Assembly

Code	Description
19-ASRF-45-060/080	60-80mm / Tube 60 / Nail 65mm
19-ASRF-45-080/100	80-100mm / Tube 80 / Nail 65mm
19-ASRF-45-100/160	100-160mm / Tube 100 / Nail 105mm
19-ASRF-45-150/210	150-210mm / Tube 150 / Nail 105mm
19-ASRF-45-210/270	210-270mm / Tube 210 / Nail 105mm
19-ASRF-45-270/330	270-330mm / Tube 270 / Nail 105mm
19-ASRF-45-330/435	330-435mm / Tube 330 / Nail 145mm



Build-up Thickness ASRF Ø 75mm Insulation Fix Assembly

Code	Description
19-ASRF-75-060/080	60-80mm / Tube 60 / Nail 65mm
19-ASRF-75-080/100	80-100mm / Tube 80 / Nail 65mm
19-ASRF-75-100/160	100-160mm / Tube 100 / Nail 105mm
19-ASRF-75-150/210	150-210mm / Tube 150 / Nail 105mm
19-ASRF-75-210/270	210-270mm / Tube 210 / Nail 105mm
19-ASRF-75-270/330	270-330mm / Tube 270 / Nail 105mm
19-ASRF-75-330/435	330-435mm / Tube 330 / Nail 145mm



Setting Tools

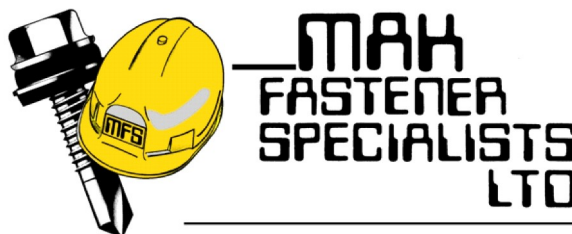
Code	Description
17-303005	5.0x30mm SDS Cutter
17-303001	500mm SDS Drill Extension
17-303002	500mm SDS Drive Bar
17-303006	Adjusting Tool for ASRF

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R 75 Standard Tube

PRODUCT DESCRIPTION



GUARDIAN PLASTIC TELESCOPIC TUBE FOR FASTENING OF INSULATIONS OR UNDERLAYERS:

- Standard Series
- Modified PP
- Size Ø 75mm
- Hole Diameter 6.1mm
- NBI Approval

Code	Description
19-R-75-020	75x20mm Guardian R Standard Tube
19-R-75-040	75x40mm Guardian R Standard Tube
19-R-75-060	75x60mm Guardian R Standard Tube
19-R-75-080	75x80mm Guardian R Standard Tube
19-R-75-090	75x90mm Guardian R Standard Tube
19-R-75-100	75x100mm Guardian R Standard Tube
19-R-75-120	75x120mm Guardian R Standard Tube
19-R-75-150	75x150mm Guardian R Standard Tube
19-R-75-180	75x180mm Guardian R Standard Tube
19-R-75-210	75x210mm Guardian R Standard Tube
19-R-75-240	75x240mm Guardian R Standard Tube
19-R-75-270	75x270mm Guardian R Standard Tube
19-R-75-300	75x300mm Guardian R Standard Tube
19-R-75-330	75x330mm Guardian R Standard Tube



The Plastic Tubes in the R Standard Series can be combined with the following fasteners from the Guardian Range:

- BS 4.8mm
- BS 6.1mm
- PS 4.8mm
- KPWS 5.2mm
- KPNS Nail
- CS 6.1mm

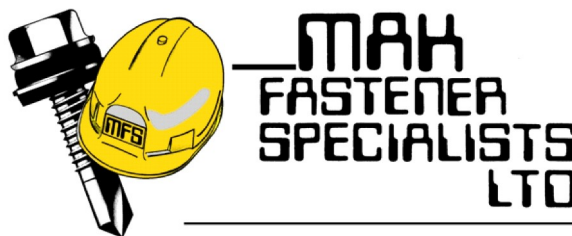


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RB 48 Standard Barbed Tube

PRODUCT DESCRIPTION



GUARDIAN PLASTIC TELESCOPIC TUBE FOR FASTENING OF MEMBRANES ON THE OVERLAP:

- Standard Series Barbed for Higher Calculation Value
- Modified PP
- Size Ø 48mm
- Hole Diameter 6.1mm
- NBI Approval

Code	Description
19-RB-48-020	48x20mm Guardian RB Standard Tube
19-RB-48-040	48x40mm Guardian RB Standard Tube
19-RB-48-060	48x60mm Guardian RB Standard Tube
19-RB-48-080	48x80mm Guardian RB Standard Tube
19-RB-48-090	48x90mm Guardian RB Standard Tube
19-RB-48-100	48x100mm Guardian RB Standard Tube
19-RB-48-120	48x120mm Guardian RB Standard Tube
19-RB-48-150	48x150mm Guardian RB Standard Tube
19-RB-48-180	48x180mm Guardian RB Standard Tube
19-RB-48-210	48x210mm Guardian RB Standard Tube
19-RB-48-240	48x240mm Guardian RB Standard Tube
19-RB-48-270	48x270mm Guardian RB Standard Tube
19-RB-48-300	48x300mm Guardian RB Standard Tube
19-RB-48-330	48x330mm Guardian RB Standard Tube



The Plastic Tubes in the RB Standard Series can be combined with the following fasteners from the Guardian Range:

- BS 4.8mm
- BS 6.1mm
- PS 4.8mm
- KPWS 5.2mm
- KPNS Nail
- CS 6.1mm

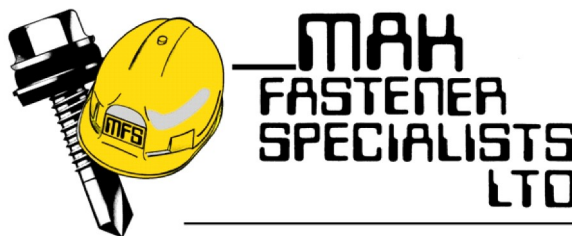


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R 45 Standard Tube

PRODUCT DESCRIPTION



GUARDIAN PLASTIC TELESCOPIC TUBE FOR FASTENING OF MEMBRANES ON THE OVERLAP:

- Standard Series
- Modified PP
- Size Ø 45mm
- Hole Diameter 6.1mm
- NBI Approval

Code	Description
19-R-45-020	45x20mm Guardian R Standard Tube
19-R-45-040	45x40mm Guardian R Standard Tube
19-R-45-060	45x60mm Guardian R Standard Tube
19-R-45-080	45x80mm Guardian R Standard Tube
19-R-45-090	45x90mm Guardian R Standard Tube
19-R-45-100	45x100mm Guardian R Standard Tube
19-R-45-120	45x120mm Guardian R Standard Tube
19-R-45-150	45x150mm Guardian R Standard Tube
19-R-45-180	45x180mm Guardian R Standard Tube
19-R-45-210	45x210mm Guardian R Standard Tube
19-R-45-240	45x240mm Guardian R Standard Tube
19-R-45-270	45x270mm Guardian R Standard Tube
19-R-45-300	45x300mm Guardian R Standard Tube
19-R-45-330	45x330mm Guardian R Standard Tube



The Plastic Tubes in the R Standard Series can be combined with the following fasteners from the Guardian Range:

- BS 4.8mm
- BS 6.1mm
- PS 4.8mm
- KPWS 5.2mm
- KPNS Nail
- CS 6.1mm

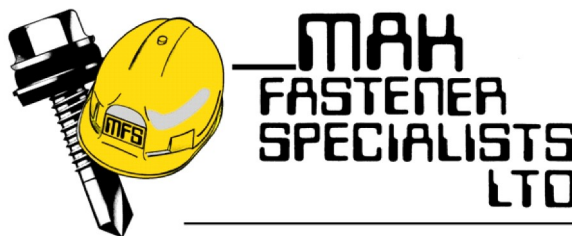


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Stand-up Tool

**SEMI-AUTOMATIC TOOL FOR FIXING
FROM AN UP-RIGHT POSITION**

FOR USE IN COMBINATION WITH

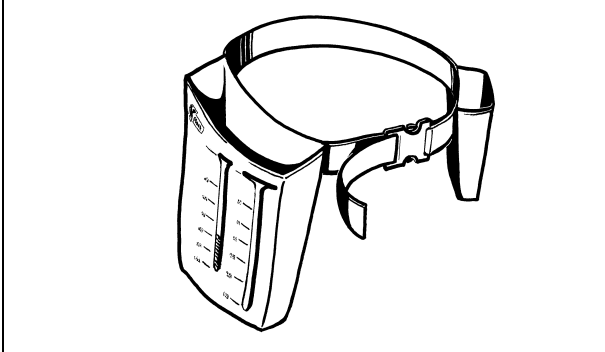
- Depth Setting
- Simple
- Ergonomic

- Pre-Assembled screws and Guardian Telescopic Tubes: 40, 60, 90, 120, 150mm
- Types: RP45 / RP75 / TPP / RBP48

Code	Description
17-300001	Guardian Stand-Up Tool
17-300002	Makita 6802BV Screw Gun
17-300003	Guardian Wooden Box
17-300004	Guardian Blue Pouch





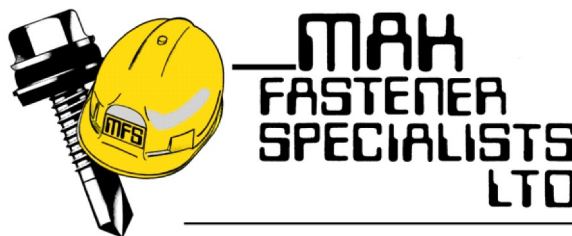



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Bits & Accessories

CONICAL DRILL BITS FOR FASTENERS KPNS / CS & ASRF	
Code	Description
17-303005	5.0x30mm SDS Cutter
17-303003	5.0x50mm SDS Cutter
17-303004	8.0x65mm SDS Cutter



NOTE: DETAILS OF EXTENDERS FOR THE CONICAL DRILL BITS CAN BE FOUND ON PRODUCT SHEETS KPNS (PAGE 9), CS (PAGE 10) AND ASRF (PAGE 11)

DRIVE BAR FOR USE IN COMBINATION WITH RETAINER RING BITS	
Code	Description
17-300006	Guardian M6x600mm Drive Bar
17-301003	Guardian M6 Threaded P2 c/w Retainer Ring
17-301004	Guardian M6 Threaded T25 c/w Retainer Ring



EXTENDED LENGTH DRIVE BITS	
Code	Description
82-TORX25150	T25x150mm Torx Drive Bit
82-TORX25200	T25x200mm Torx Drive Bit
82-PHIL02150	No.2x150mm 1/4" Phillips Drive Bit

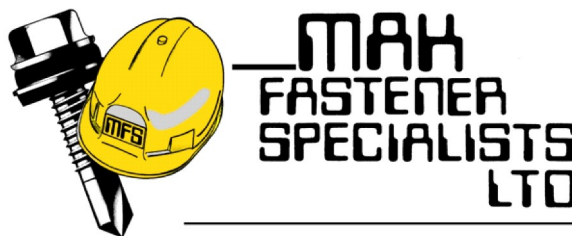


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How to identify the length of the tube & if the Guardian tube is a R version (Standard Tube) or a RP version (Plus Tube)



- Large number in the centre identifies the hole diameter of the tube and will read either 5.2 (plus series) or 6.1 (standard series)
- Small numbers surrounding the circle represent the various tube lengths.
- Whichever number the arrow points to in the circle represents the length of the tube.

Product on the picture: R-45 120mm (19-R-45-120)