

# R-KNC plastic collated concrete pins with fuel cells

Smooth shank galvanised pins for concrete applications



## Product information

### Features and benefits

- Ballistic point increases performance into the base material. This special design is responsible for providing best load bearing values for this type of fixing
- Smooth shank and toughness of 57 - 60 HRC provides great penetration ability and give best result in hard substrates
- Plastic collation provides protection from deterioration by weather conditions or high humidity
- Compatible with leading manufactures tools currently on the market

### Applications

- Fixing steel or aluminium profiles into concrete in drywall systems
- Fixing electrical boxes, sanitary ware, cable trunking, etc.
- Cable conduits and wires installation

### Base materials

- Concrete
- Cracked Concrete

### Corresponding products

- R-RAWL-SC40 Gas powered steel and concrete nailer



## Installation data

Substrate			Concrete
Effective embedment depth	$h_{ef}$	[mm]	17
Min. substrate thickness	$h_{min}$	[mm]	80
Min. spacing	$s_{min}$	[mm]	200
Min. edge distance	$c_{min}$	[mm]	150

## Basic performance data

Base materials		Concrete C12/15	Concrete C20/25 - C50/60
<b>CHARACTERISTIC LOAD</b>			
<b>TENSION LOAD <math>N_{Rk}</math></b>			
Sheet metal thickness = 0,50 ÷ 1,00 mm	[kN]	0.35	0.45
<b>SHEAR LOAD <math>V_{Rk}</math></b>			
Sheet metal thickness = 0,50 ÷ 1,00 mm	[kN]	0.35	0.45
<b>DESIGN LOAD</b>			
<b>TENSION LOAD <math>N_{Rd}</math></b>			
Sheet metal thickness = 0,50 ÷ 1,00 mm	[kN]	0.14	0.18
<b>SHEAR LOAD <math>V_{Rd}</math></b>			
Sheet metal thickness = 0,50 ÷ 1,00 mm	[kN]	0.28	0.36
<b>RECOMMENDED LOAD</b>			
<b>TENSION LOAD <math>N_{rec}</math></b>			
Sheet metal thickness = 0,50 ÷ 1,00 mm	[kN]	0.10	0.13
<b>SHEAR LOAD <math>V_{rec}</math></b>			
Sheet metal thickness = 0,50 ÷ 1,00 mm	[kN]	0.20	0.26

## Product commercial data

Index	Fastener diameter	Length	Head type	Shank type	Finish	Protection	Collation	Fasteners per strip	Carton quantity	Fuel cells per carton	Box weight	Outer weight	EAN
	[mm]	[mm]						[pcs]	[pcs]	[pcs]	kg	kg	
R-KNC-6/17/500	2.7	17	Full Round	Smooth	Electro galvanized	Up to 4 microns	Plastic strip	10	500	1	0.39	4.62	59066754 58694
R-KNC-6/19/500	2.7	19	Full Round	Smooth	Electro galvanized	Up to 4 microns	Plastic strip	10	500	1	0.39	4.62	59066754 58700
R-KNC-6/22/500	2.7	22	Full Round	Smooth	Electro galvanized	Up to 4 microns	Plastic strip	10	500	1	0.75	9.05	59066754 38122
R-KNC-6/25/500	2.7	25	Full Round	Smooth	Electro galvanized	Up to 4 microns	Plastic strip	10	500	1	0.85	10.14	59066754 38139
R-KNC-6/27/500	2.7	27	Full Round	Smooth	Electro galvanized	Up to 4 microns	Plastic strip	10	500	1	0.88	10.54	59066754 38146
R-KNC-6/32/500	2.7	32	Full Round	Smooth	Electro galvanized	Up to 4 microns	Plastic strip	10	500	1	1.00	11.98	59066754 38153
R-KNC-6/38/500	2.7	38	Full Round	Smooth	Electro galvanized	Up to 4 microns	Plastic strip	10	500	1	1.15	13.76	59066754 38160
SPG-R-KNC-6/17	2.7	17	Full Round	Smooth	Electro galvanized	Up to 4 microns	Plastic strip	10	1000	0	1.40	1.40	59066755 11931
SPG-R-KNC-6/19	2.7	19	Full Round	Smooth	Electro galvanized	Up to 4 microns	Plastic strip	10	1000	0	0.70	0.70	59066753 24357
SPG-R-KNC-6/22	2.7	22	Full Round	Smooth	Electro galvanized	Up to 4 microns	Plastic strip	10	1000	0	1.49	1.49	59066753 24364
SPG-R-KNC-6/25	2.7	25	Full Round	Smooth	Electro galvanized	Up to 4 microns	Plastic strip	10	1000	0	1.84	1.84	59066752 85979
SPG-R-KNC-6/27	2.7	27	Full Round	Smooth	Electro galvanized	Up to 4 microns	Plastic strip	10	1000	0	1.73	1.73	59066753 24371
SPG-R-KNC-6/32	2.7	32	Full Round	Smooth	Electro galvanized	Up to 4 microns	Plastic strip	10	1000	0	1.86	1.86	59066753 24388
SPG-R-KNC-6/38	2.7	38	Full Round	Smooth	Electro galvanized	Up to 4 microns	Plastic strip	10	1000	0	2.23	2.23	59066753 24401

## Technical Data

Parameter	Value	Norm
Substrate	Concrete	
Sheet metal thickness	0,50 ÷ 1,00mm	