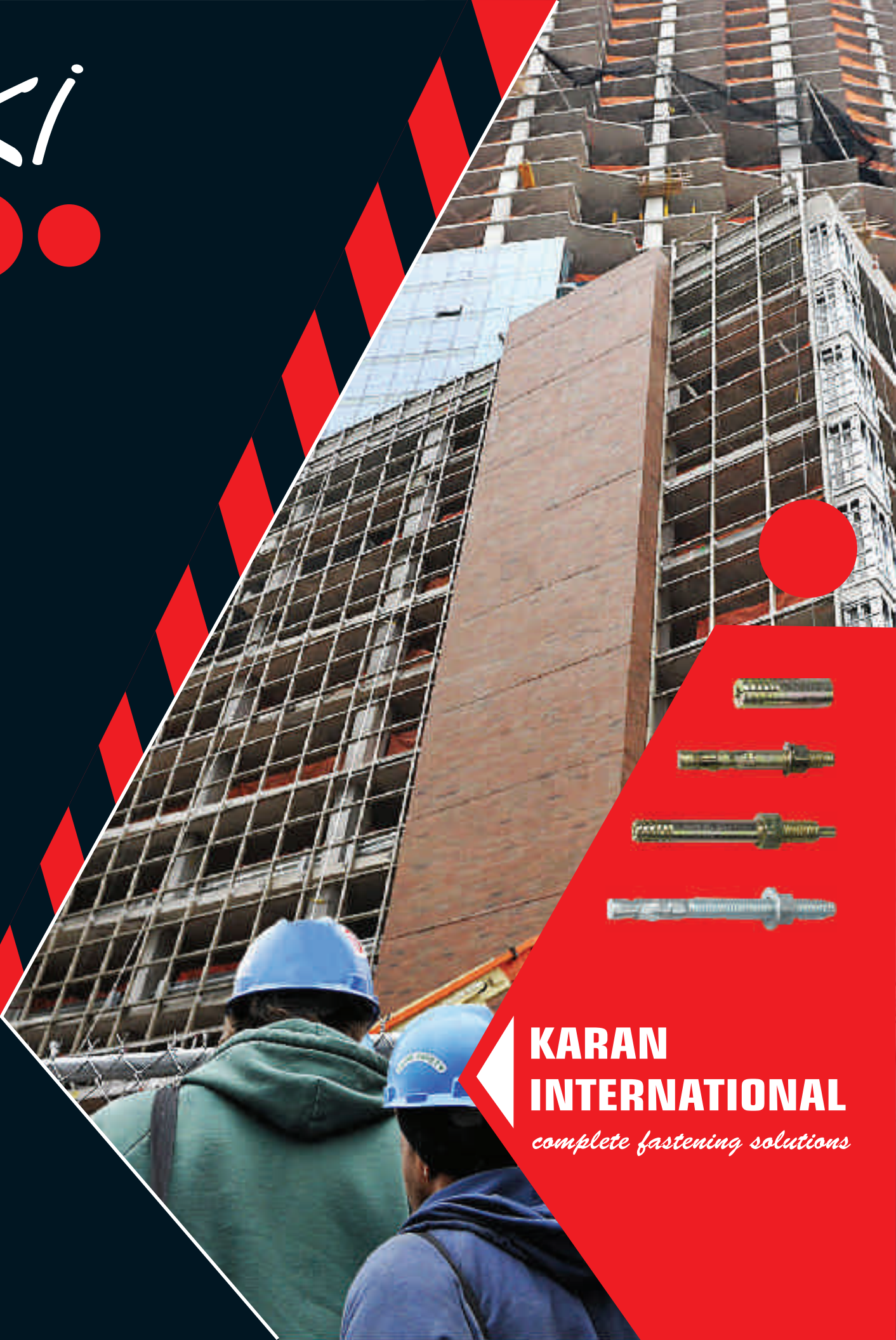


Ki



**KARAN
INTERNATIONAL**
complete fastening solutions



Ki



About us....

Karan International is an ISO 9001 Company having its Head Office in Kolkata. It is one of the leading manufacturer and supplier of Fasteners.

We strive to offer safety application and a very eco-friendly environment to our customers.

Our Reputation for supplying quality products and of establishing unique Customer network has resulted in enormous expansion in terms of both the Product Range and the Supply Capabilities over the years.

This catalogue brings to you our wide range of products to help you in selecting the right fasteners for your day to day applications.

We pledge to cater and design for the needs of our valued customers and look forward positively towards the goal for achieving new bonds of Esteem Business Relationships.



BSCIC Certification Pvt. Ltd.

Designated by Registration



QUALITY MANAGEMENT SYSTEM

in accordance with
ISIRI INTERNATIONAL
4E, NETAJI SUBHASI ROAD,
KOLKATA-700 091, INDIA.

Certificate number: 11001/2017

Valid from: 15/05/2017 to 15/05/2019

Manufacture & Supply of Anchor Fasteners

Issue date: 15/05/2017 Validity: 24 Months Expiry: 15/05/2019

No. of sites: 01/01/01



BSCIC



11001/2017

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KI PIN TYPE ANCHOR BOLT (KIP)



Hit Type Anchor or
Hammer Driven Anchor



DESCRIPTION

- ▲ Hammer driven pin type anchor for push-through installation.
- ▲ The shell of an anchor is driven into the hole without the expansion pin.
- ▲ Then the expansion pin is driven into the shell which after being hit expands the shell against the concrete.

INSTALLATION



RECOMMENDED LOAD

Maximum Load recommended for KI Pin type Anchor with large axial spacing and edge distance

Anchor size	Non-cracked concrete					
	Dia (8mm)	Dia (10mm)	Dia (12mm)	Dia 16 (mm)		
Recommended loads nrec [kn]						
Tensile	[kN]	gvz	1.7	2.8	4.9	7.0
Shear			4.0	7.1	9.1	16.0

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USAGE

Suitable for :

- Concrete C12/15

For Fixing of :

- Gratings
- Machines
- Metal Profiles
- Gates
- Consoles
- Steel constructions
- sanitary equipments
- Conduit Pipes
- Lighting Fixture
- Storable Rack
- Fire fighting equipments

PRODUCT RANGE-SIZES

KIP 6 x 40	KIP 8 x 100	KIP 12 x 50	KIP 16 x 100	KIP 20 x 150
KIP 6 x 50	KIP 10 x 50	KIP 12 x 60	KIP 16 x 125	KIP 20 x 200
KIP 6 x 60	KIP 10 x 60	KIP 12 x 75	KIP 16 x 150	KIP 20 x 250
KIP 6 x 75	KIP 10 x 75	KIP 12 x 100	KIP 16 x 200	KIP 20 x 300
KIP 6 x 100	KIP 10 x 100	KIP 12 x 125	KIP 16 x 250	KIP 24 x 150
KIP 8 x 50	KIP 10 x 125	KIP 12 x 150	KIP 16 x 300	KIP 24 x 200
KIP 8 x 60	KIP 10 x 150	KIP 12 x 200	KIP 20 x 100	KIP 24 x 250
KIP 8 x 75	KIP 10 x 200	KIP 16 x 75	KIP 20 x 125	KIP 24 x 300

* ALSO AVAILABLE IN STAINLESS STEEL 202 & 304 GRADE ON REQUEST

All load values apply for concrete C20/25 without edge or spacing influence.



KI DOUBLE RING (KIDR)



DESCRIPTION

- ▲ Double Ring anchor for push-through and pre-positioned installation.
- ▲ When the hexagon nut is tightened, the tapered bolt is pulled into the expansion clip and expands it against the hole wall.

INSTALLATION

- ▲ Drill hole to the length of fasteners minus the thickness of the nuts minus the thickness of the fixture.
- ▲ Pump out the dust.
- ▲ Place the fasteners & then hammer it.
- ▲ Tighten the nut which projects out & the clip inside expands and takes the firm grip on the concrete.
- ▲ The double clips gives double Gripping.



Fig-1



Fig-2

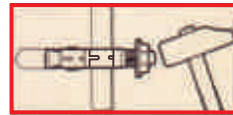


Fig-3

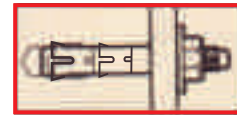


Fig-4



RECOMMENDED LOAD

Maximum recommended loads for KI Double Ring with large axial spacing and edge distance

Recommended loads [kN]

Anchor size	Non-cracked Concrete				
	8mm Dia	10mm Dia	12mm Dia	16mm Dia	20mm Dia
Tensile [kN] gvz	4.2	5.8	10.2	17.9	24.0
Shear [kN] gvz	5.2	7.6	10.6	25.0	39.1

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USAGE

- Cable trays
- Railings
- Consoles
- Steel construction
- Ladders
- Rail Tracks
- Window elements
- Facades
- Staircases
- Gates
- Machines
- Wood constructions

PRODUCT RANGE-SIZES

- | | | |
|---------------|---------------|---------------|
| KIDR 6 x 75 | KIDR 12 x 75 | KIDR 16 x 300 |
| KIDR 8 x 75 | KIDR 12 x 100 | KIDR 20 x 100 |
| KIDR 8 x 100 | KIDR 12 x 125 | KIDR 20 x 125 |
| KIDR 8 x 125 | KIDR 12 x 150 | KIDR 20 x 150 |
| KIDR 8 x 150 | KIDR 12 x 200 | KIDR 20 x 200 |
| KIDR 10 x 75 | KIDR 16 x 100 | KIDR 20 x 250 |
| KIDR 10 x 100 | KIDR 16 x 125 | KIDR 20 x 300 |
| KIDR 10 x 125 | KIDR 16 x 150 | KIDR 24 x 150 |
| KIDR 10 x 150 | KIDR 16 x 200 | KIDR 24 x 200 |
| KIDR 10 x 200 | KIDR 16 x 250 | KIDR 24 x 250 |
| | | KIDR 24 x 300 |

* ALSO AVAILABLE IN STAINLESS STEEL & HIGH CARBON MATERIALS WITH HOT DIP GALVANISED FINISH ON REQUEST.



KI BULLET TYPE ANCHOR (KIB)



Drop-in-Anchor

KIB



KIB-P



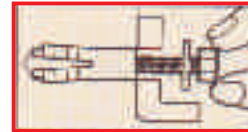
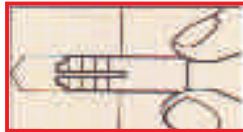
KIB-N



DESCRIPTION

- ▲ Bullet type anchor shell with internal thread for pre-positioned installation.
- ▲ When the bullet is placed in shell & hit with a setting tools it slides forward & the inside part of shell expands and takes the grip in the wall.

INSTALLATION



RECOMMENDED LOAD

Maximum Recommended load for Bullet Type Anchor

Recommended Load (for Non-cracked concrete)						
	M6X30	M8X40	M10x40	M12x50	M16x60	M20x80
Tensile	1.4	2.2	2.9	5.4	9.5	12.4
Shear	1.2	3.0	3.8	7.5	13.0	16.0

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USAGE

- Plumbing
- Heating
- Air-conditioning
- Ventilation installation
- Pipe suspension
- Air ducts
- Suspended ceilings
- Cable Trays
- Haid Rails
- Staircase

PRODUCT RANGE-SIZES

- KIB 5 x 25
- KIB 6 x 30
- KIB 8 x 30
- KIB 8 x 40
- KIB 10 x 30
- KIB 10 x 40
- KIB 12 x 50
- KIB 12 x 60
- KIB 12 x 75
- KIB 16 x 60
- KIB 16 x 75

* ALSO AVAILABLE IN STAINLESS STEEL 202 & 304 GRADE ON REQUEST

The above values are for a single anchor without influence of edge distance, anchor spacing and other influence.



KI TAPER NUT SLEEVE ANCHOR (KI-TNS)



DESCRIPTION

- ▲ KI Taper Nut Sleeve anchor with internal threaded taper nuts for the lowest anchorage depth.
- ▲ When the nut on the stud is tightened, the tapered nut on the other end is pulled into the sleeve which on expanding takes the grip in the wall.

KI-TNS



KI-TNS-B



KI-TNS-H



KI-TNS-S



INSTALLATION



USAGE

- Battens
- Metal profiles
- Wire & nonious hangers
- Chains
- Punched tapes
- Fire protection boards
- Ventilation systems
- Substructures made of wood & metal
- Ceilings
- Metal clamps
- Air Condition Duct works
- Fixing of doors & windows frames
- Overhead cable trays
- Fire partitions
- Plasterboards

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PRODUCT RANGE-SIZES

KI-TNS	KI-TNS-B	KI-TNSH	KI-TNSS
6 x 11 x 30	6 x 40	6	6
8 x 12.5 x 35	8 x 50	8	8
10 x 16 x 42	10 x 60	10	10
12 x 19 x 60	10 x 75	12	12
16 x 25 x 75	12 x 75	16	16
	12 x 100		

RECOMMENDED LOADS

	6 mm Rod Dia	8 mm Rod Dia	10 mm Rod Dia
Tension Load	KN	KN	KN
	4.0	6.10	9.7

* ALSO AVAILABLE IN STAINLESS STEEL 202 & 304 GRADE ON REQUEST



KI SINGLE RING (KI-SR)

or Through Bolt Type

DESCRIPTION

- $\frac{1}{10}$ Anchor Bolt for push through installation.
- $\frac{1}{10}$ The fasteners is hammered into the drilled hole upto the anchors length (minus the height of nut.)
- $\frac{1}{10}$ When the nut is tightened, the tapered bolt is pulled into the safety wedge clip and expands it. The safety wedge clip is very reliable for anchoring and expands & takes grip in the wall.

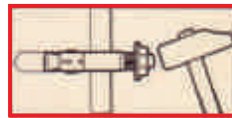
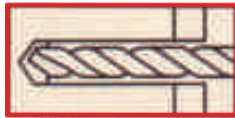
KI-SR-B



KI-SR-A



INSTALLATION



RECOMMENDED LOAD

Maximum recommended loads for KI Single Ring Anchor bolt with lage axial spacing and edge distance.

Non-cracked concrete	

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USAGE

- 2/21 Machines
- 2/21 Staircases
- 2/21 Railings
- 2/21 Consoles
- 2/21 Ladders
- 2/21 Cable trays
- 2/21 Gates
- 2/21 Facades
- 2/21 Window elements
- 2/21 Steel Constructions
- 2/21 Wood constructions

PRODUCT RANGE & SIZES

Type	drill (mm)	anchor length (mm)
KI-SR	8	75
	8	100
	8	125
	10	100
	10	125
	10	150
	12	100
	12	125
	12	150
	12	200
	16	140
	16	215
	16	165
	16	265
20	155	
20	185	
20	275	
24	185	
24	215	

* ALSO AVAILABLE IN STAINLESS STEEL MATERIAL AGAINST ORDER

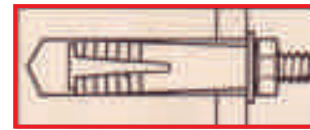
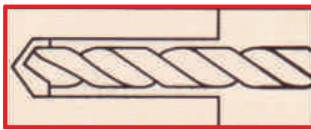


DESCRIPTION

- ▲ Sleeve Anchor for push through installation.
- ▲ For these anchor cylindrical conical hole is made with an uncut drill bit.
- ▲ The Sleeve is driven or pushed over the cone shaped bolt with a setting tool which takes the grip in the concrete



INSTALLATION



RECOMMENDED LOAD

Maximum recommended loads for each of the KI Sleeve Anchor with large axial spacing and edge distance.

Recommended Load		KIS M6	KIS M8	KIS M10	KIS M12	KIS M16
Non-cracked concrete						
Tension Load	[kN]	6.0	8.5	10.0	16.0	20.0
Shear Load	[kN]	4.5	7.0	7.5	9.6	15.5

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USAGE

- Machines
- Staircases
- Railings
- Consoles
- Ladders
- Cable trays
- Gates
- Facades
- Window elements
- Steel Constructions
- Wood constructions

PRODUCT SIZES

Thread	Drill/dia Fasteners	Anchor length	Bolt length
6	9.5	30	50
8	12	30	50
8	12	—	60
8	12	—	75
10	16	60	75
10	16	80	100



DESCRIPTION

- ▲ Wrap Sleeve Anchor (of various designs) for push through installation.
- ▲ The tapered part of the fasteners is inserted in the wall and when the hexagonal nut or bolt is tightened the tapered bolt or nut is pulled into the sleeve, it expands & takes grip in the concrete.

KI-WS



KI-WS



KI-WS-TAM



INSTALLATION



RECOMMENDED LOAD

Maximum recommended loads for each anchor of KI Wrap Sleeve anchor (KI-WS) with large axial spacing and edge distance.

Anchor size		Non-cracked concrete		
		M6	M8	M10
Tensile	[kN]	2.4	3.1	4.2
Shear	[kN]	2.0	5.6	6.0

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USAGE

For Fixing of :

- Steel Construction
- Handrails
- Consoles
- Ladders
- Cable trays
- Machines
- Staircase
- Gates
- Facades
- Window elements
- Stand-off installations
- Park benches
- Trash Cans
- Gratings

PRODUCT SIZES

- 6 X 8 X 65
- 8 X 10 X 70
- 10 X 12 X 90

* AGAINST ORDER



HEAVY DUTY SHIELD ANCHOR (KI-3PCS.)



DESCRIPTION

- ▲ 3 pcs. Shield Anchor for pre set installation.
- ▲ Cone side is inserted in the drilled hole & when the hexagonal bolt or nut is tightened the three strips held with spring slips on the tapered nut or projection bolts & takes the grip in the concrete.



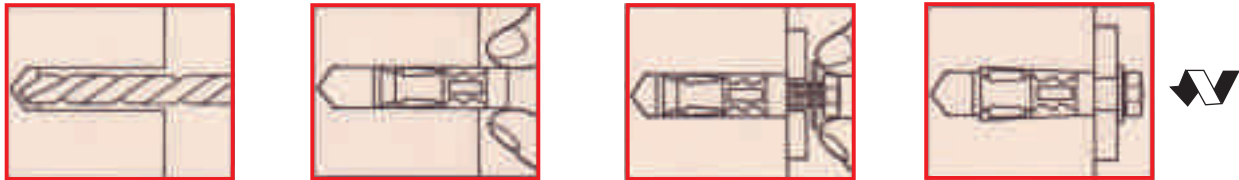
KI-HDS

KI-HDSB

KI-HDSH

KI-HDSP

INSTALLATION



USAGE

- Installing heavy equipment and machinery
- Fixing barriers, roller shutter and fire doors and switchgear
- Securing structural fixtures.
- For use in concrete and most types of masonry.
- Ideal for overhead and ceiling work or heavy items.
- Securing cable trays, ducting and trunking.
- Installing partitions and structural fixtures.

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RECOMMENDED LOAD

DIA	KN
6	3.3
8	4.8
10	6.2
12	9.7
16	15.0

PRODUCT SIZES

Bolt Sizes	Drill/dia
6 x 50	12
8 x 60	14
10 x 75	16
12 x 90	20
16 x 120	25



CLAMPS



UNIVERSAL CLAMP

DRILLING SCREWS



SELF DRILLING SCREWS

DRY WALL SCREWS

NYLON PLUGS



NYLON PLUG

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PLASTIC WASHERS



PLASTIC WASHER



PLASTIC CAP

THREADED BARS (TIE ROD)



THREADED BAR



BOLTS & NUTS & WASHERS



BOLTS & NUTS



CSK BOLTS



CARRIAGE BOLTS



NYLOCK NUTS



LOCK NUTS



SPRING NUTS

FOUNDATION BOLTS



T- TYPE FOUNDATION BOLTS



Y- TYPE FOUNDATION BOLTS



FOUNDATION BOLT WITH STRIPNER

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HOOK



J-HOOK



L-HOOK



PIPE HOOK PLASTIC COATED



U-HOOK

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APPLICATIONS



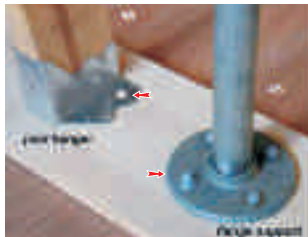
Taper Bolt Fixing
for Marble Fixing



Single Ring type
for False Ceiling



Fixing of Pipes



Fixing of Poles



Fixing of Earthquake
resistant beams



Overhead Electrical Wiring
for Panel Board



Cable Tray & Air Duct



L-T Cable Laying



Fixing of Pipe with Clamp



Fixing of Railway Tracks &
usages in Tunnels



Fire Fighting Sprinkler



Fixing of Earthing Strip
& Heavy Cables

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