

Diamond Wire

PASSION. INNOVATION. EXCELLENCE.



Diamond Wire sawing is now used extensively throughout the construction industry for making economical cuts in large concrete sections where removal, alteration or complete demolition is required.

At TRAXX, we offer a vast range of wires for all applications. Shown here is our range for all concrete and steel construction applications.

There are essentially two main types of wire.

Sintered - This wire has beads that are metallurgically sintered in their method of manufacture and tend to provide longer life in most concrete materials.



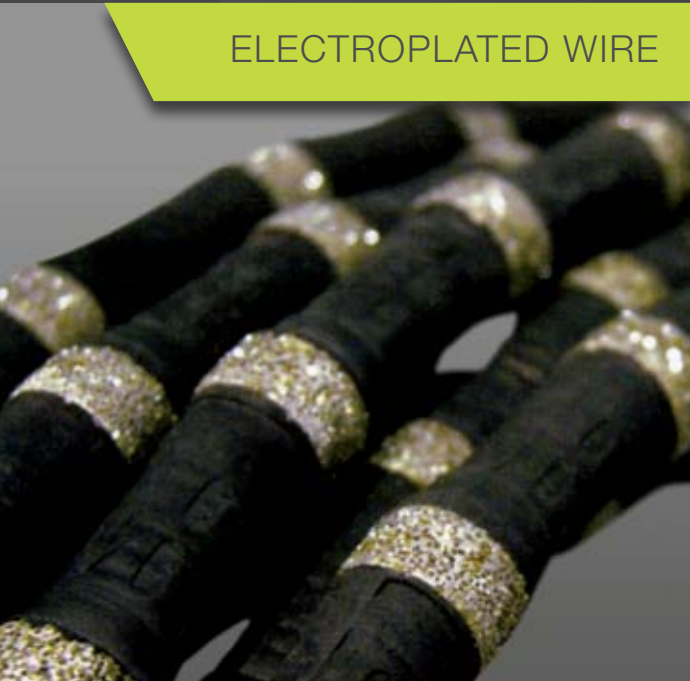
Electroplated or Diamond Brazed - In this method, the diamond coating is vacuum brazed or electroplated to the diamond bead as opposed to sintered. This type of wire is used where improved speed of cut is required or where heavy steel content is encountered in the concrete. TRAXX also has versions for 100% steel cutting if required.

All TRAXX wires are assembled for longevity and safety. All beads are pressed onto the carrier wire, before springs and rubber injection is applied.

Traxx has developed specialised rubber to prevent premature cracking that allows deterioration of the wire.

Most wires are available in 3 or 4 different bonds, thus providing improved speed of cut or longer life where needed.


At TRAXX we are proud of the fact that we can deliver 95% of wires ex stock.



1

Use a grinder to get an even surface


Use a grinder to cut the cable and make sure the cable has an even surface.



2

Remove all rubber coatings and springs


Use a knife to remove all the rubber coating and springs from the cable.
It is better when there is less rubber around the cable as there will be stronger hold.



3

Push both ends to the half way point of coupler


Push both ends of the rope through the coupler.
It is important to make sure that each end of the rope is inserted into half of the coupler (see image).



4


Apply pressure to the entire area of coupler

Press the whole area of the coupler with the 5 ton press (HT45) a couple of times for greater breaking force achievement (see image).
Please note, pressing the whole surface of the coupler holds greater force than just pressing both ends.



high performance wire

C6



40 beads / 1m

- Diamond Layer : 1.75mm
- 4.8mm Cable

finish wire

C12

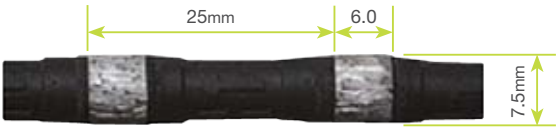


40 beads / 1m

- Diamond Layer : 1.25mm
- 4.8mm Cable

fine wire

C11




40 beads / 1m

- Diamond Layer : 1.00mm
- 3.8mm Cable

jumbo wire

C7



40 beads / 1m

- Diamond Layer : 2.00mm
- 4.8mm Cable

super wire

C14



40 beads / 1m

- Diamond Layer : 2.00mm
- 4.8mm Cable

techno wire

C15

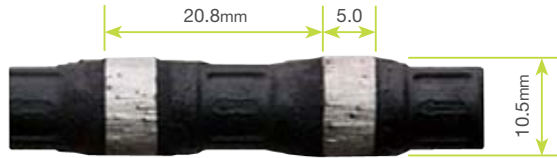


40 beads / 1m

- Diamond Layer : 1.25mm
- 4.8mm Cable

dry wire

C18




48 beads / 1m

- Diamond Layer : 1.75mm
- 4.8mm Cable

hydra wire

C4



48 beads / 1m

- Diamond Layer : 1.75mm
- 4.8mm Cable

step wire

C10




40 beads / 1m

- Diamond Layer : 2.00mm
- 4.8mm Cable

precision (safety) wire (II)

C16



40 beads / 1m

- Diamond Layer : 1.15mm
- 4.8mm Cable

standard wire

C1



40 beads / 1m

- Diamond Layer : 1.50mm
- 4.8mm Cable

various colour coding available

C17



- Available on Customer's Request

grooving wire

C8




40 beads / 1m

- Diamond Layer : 2.50mm
- 4.8mm Cable

speedy wire

C13




30 beads / 1m

- Diamond Layer : 1.75mm
- 4.8mm Cable

precision (safety) wire (I)

C5



40 beads / 1m

- Diamond Layer : 1.65mm
- 3.8mm Cable

various coloured rubbers available

C2



- Available on Customer's Request

heavy concrete wire

HT1

40 beads / 1m

- 4.8mm Cable

concrete wire

HT3

40 beads / 1m

- 4.8mm Cable

finish wire

HT5

40 beads / 1m

- 3.8mm Cable

steel wire

HT2

40 beads / 1m

- 4.8mm Cable

hydra steel wire

HT4

48 beads / 1m

- 4.8mm Cable

grooving wire

HT6

40 beads / 1m

- 4.8mm Cable

DIAMOND WIRE BOND SELECTION CHART									
SINTERED WIRE									
10	10								
25		25							
45			45						
60				60					
80					80				
90						90			
ELECTROPLATED WIRE									
HT1							HT1		
HT2								HT2	
HT3									HT3
	EXTREME HARD REINFORCED CONCRETE	HARD REINFORCED CONCRETE	MEDIUM TO SOFT CONCRETE	REFRACTORY	MASONRY & BLOCK	SANDSTONE	LIMESTONE	STEEL SHEETING WITH CONCRETE	EXTREME STEEL / CONCRETE
									SOLID STEEL
	◀ SOFTEST BONDS						HARDEST BONDS ▶		

accessories for assembling

for 4.8mm cable

JC1

20mm

5.3

9.0

JC3
(Flexible)

DOUBLE JOINT

32mm

5.1

9.4

JC4
(Screw)

25mm

5.1

9.0

JC5

18mm

5.3

7.8

JC7
(Flexible)

SINGLE JOINT

27mm

5.1

9.6

JC9
(Copper)

20mm

5.2

9.0

for 3.8mm cable

JC2

20mm

4.3

7.8

JC8
(Screw)

23mm

4.1

7.0

assembling press & die

HT45
(5 Ton)

20mm

4.3

7.8

MK8
(for 4.8mm cable)

MK7
(for 3.8mm cable)

✕ = Normally stocked item.

for more information contact:

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