

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.



SINTERED WIRE

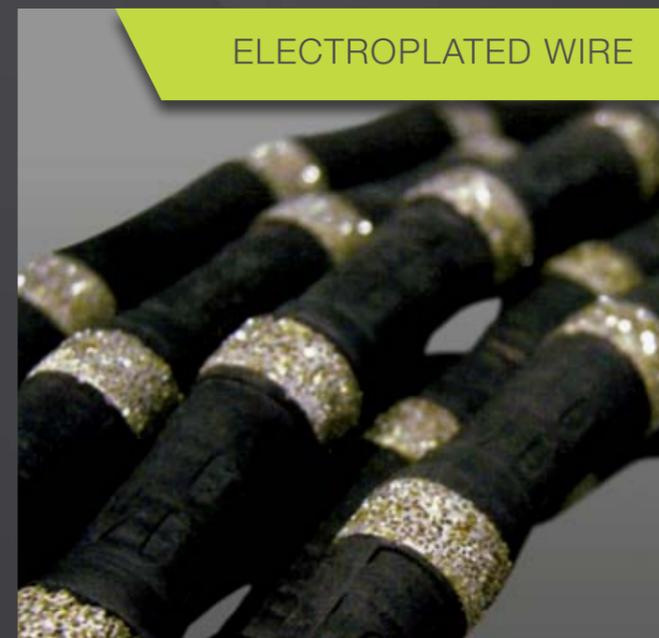
Electroplated or Diamond Brazed - In this method, the diamond coating is vacuum brazed or electroplated to the diamond bead as opposed to sintered. This type of wire is used where improved speed of cut is required or where heavy steel content is encountered in the concrete. TRAXX also has versions for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



ELECTROPLATED WIRE

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

super wire **C14**

40 beads / 1m

- Diamond Layer : 2.00mm
- 4.8mm Cable

step wire **C10**

40 beads / 1m

- Diamond Layer : 2.00mm
- 4.8mm Cable

grooving wire **C8**

40 beads / 1m

- Diamond Layer : 2.50mm
- 4.8mm Cable

finish wire **C12**

40 beads / 1m

- Diamond Layer : 1.25mm
- 4.8mm Cable

techno wire **C15**

40 beads / 1m

- Diamond Layer : 1.25mm
- 4.8mm Cable

precision (safety) wire (II) **C16**

40 beads / 1m ✕

- Diamond Layer : 1.15mm
- 4.8mm Cable

speedy wire **C13**

30 beads / 1m

- Diamond Layer : 1.75mm
- 4.8mm Cable

fine wire **C11**

40 beads / 1m

- Diamond Layer : 1.00mm
- 3.8mm Cable

dry wire **C18**

48 beads / 1m

- Diamond Layer : 1.75mm
- 4.8mm Cable

standard wire **C1**

40 beads / 1m

- Diamond Layer : 1.50mm
- 4.8mm Cable

precision (safety) wire (I) **C5**

40 beads / 1m

- Diamond Layer : 1.65mm
- 3.8mm Cable

jumbo wire **C7**

40 beads / 1m

- Diamond Layer : 2.00mm
- 4.8mm Cable

hydra wire **C4**

48 beads / 1m

- Diamond Layer : 1.75mm
- 4.8mm Cable

various colour coding available **C17**

• Available on Customer's Request

various coloured rubbers available **C2**

• Available on Customer's Request



• 4.8mm Cable



• 4.8mm Cable



• 4.8mm Cable



• 4.8mm Cable



• 3.8mm Cable



• 4.8mm Cable

DIAMOND WIRE BOND SELECTION CHART

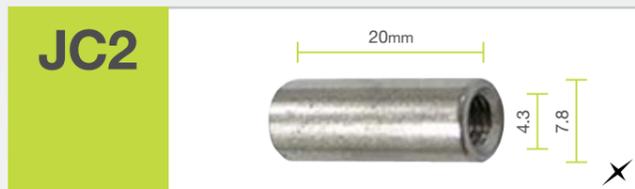
SINTERED WIRE										
10	10									
25		25								
45			45							
60				60						
80					80					
90						90				
ELECTROPLATED WIRE										
HT1							HT1			
HT2								HT2		
HT3									HT3	
	EXTREME HARD REINFORCED CONCRETE	HARD REINFORCED CONCRETE	MEDIUM TO SOFT CONCRETE	REFRACTORY	MASONRY & BLOCK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

accessories for assembling

for 4.8mm cable



for 3.8mm cable



assembling press & die



✕ = Normally stocked item.

for more information contact:

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