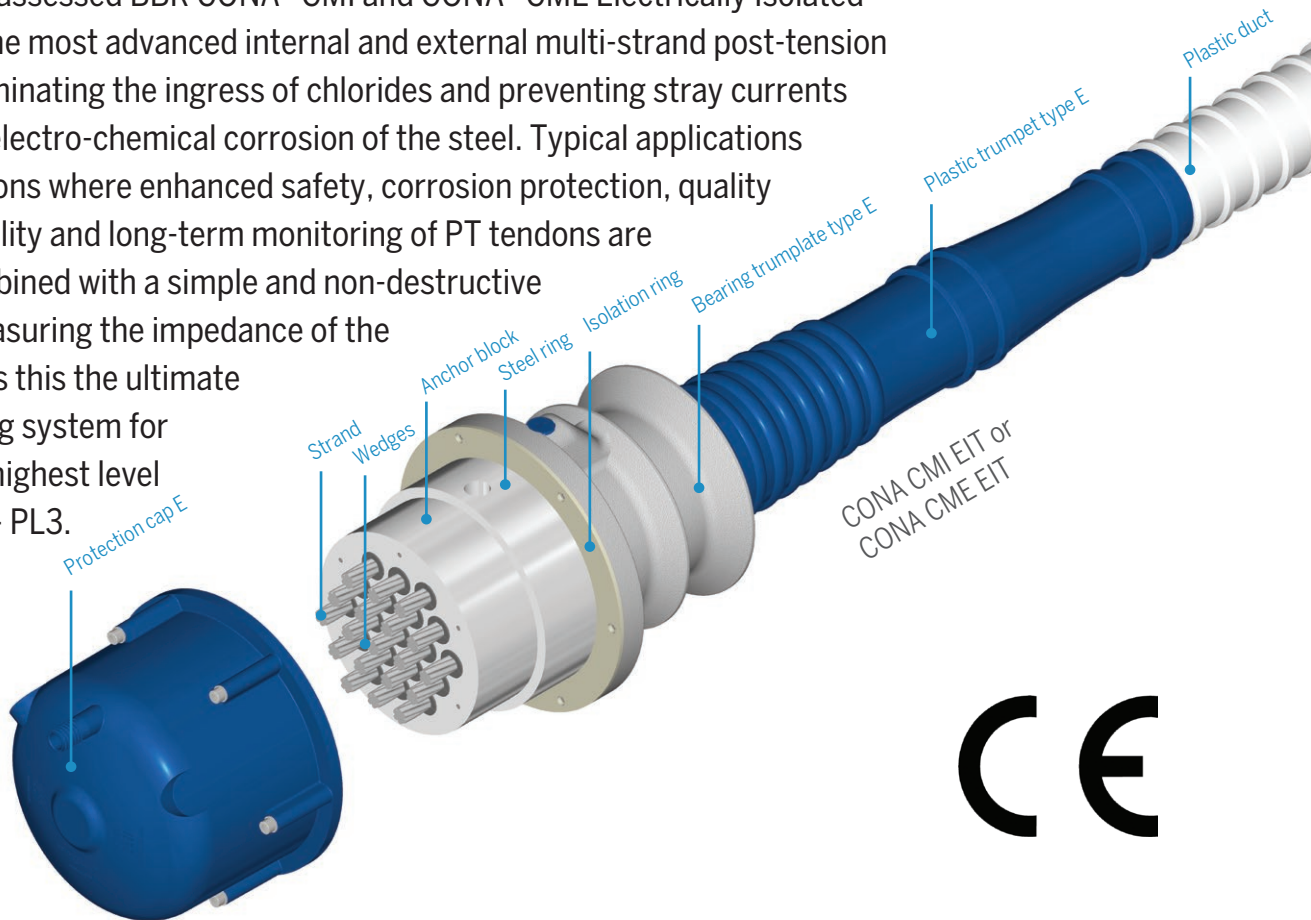


# BBR VT CONA CMI/CME EIT

Internal and external Electrically Isolated Tendons



The European assessed BBR CONA® CMI and CONA® CME Electrically Isolated Tendons are the most advanced internal and external multi-strand post-tension system for eliminating the ingress of chlorides and preventing stray currents from causing electro-chemical corrosion of the steel. Typical applications include situations where enhanced safety, corrosion protection, quality control, durability and long-term monitoring of PT tendons are required. Combined with a simple and non-destructive method of measuring the impedance of the tendons makes this the ultimate post-tensioning system for achieving the highest level of protection – PL3.



CE



Viaducto arroyo de las Piedras (Spain)

# BBR VT CONA CMI/CME EIT

Internal and external Electrically Isolated Tendons



## Features

- Exceptionally high electrical resistance avoiding the risk of stray currents causing electro-chemical corrosion of the steel
- Thick corrugated BBR VT Plastic Ducts prevent chloride ingress
- Enhanced safety and superior long-term durability achieving the highest possible protection level of PL3 according to *fib* recommendations
- Easy continuous monitoring of electrical impedance, resulting in an early detection warning system
- Standard tendon sizes from 1 to 31 strands. Larger sizes upon request
- Optimised for 15.7 mm diameter, 1,860 MPa strand
- The most compact & light-weight system available utilizing an advanced proprietary load transfer element for very small centre spacings and edge distances at the anchorages
- Application of full post-tensioning force at very low concrete strengths ( $f_{cm,0} = 19/23$  MPa)
- Fixed couplers for joining tendons
- Plastic ducts are filled with high performance BBR grout
- European Technical Assessment and CE marking

## Available tendon sizes

Type of strands\*

in	05	06
mm	12.9	15.7
mm <sup>2</sup>	100	150
MPa	1,860	1,860

Tendon sizes

Strands	Characteristic ultimate resistance of tendon [kN]	
01	186	279
02	372	558
03	558	837
04	744	1,116
05	930	1,395
06	1,116	1,674
07	1,302	1,953
08	1,488	2,232
09	1,674	2,511
12	2,232	3,348
13	2,418	3,627
15	2,790	4,185
16	2,976	4,464
19	3,534	5,301
22	4,092	6,138
24	4,464	6,696
25	4,650	6,975
27	5,022	7,533
31	5,766	8,649

\* 12.5 mm and 15.3 mm diameter strand, and 1,770 MPa tensile strength strand is also available

## Compatible technologies



Coupler H (fixed)



Plastic Duct (round)



For further information download these brochures from our website.