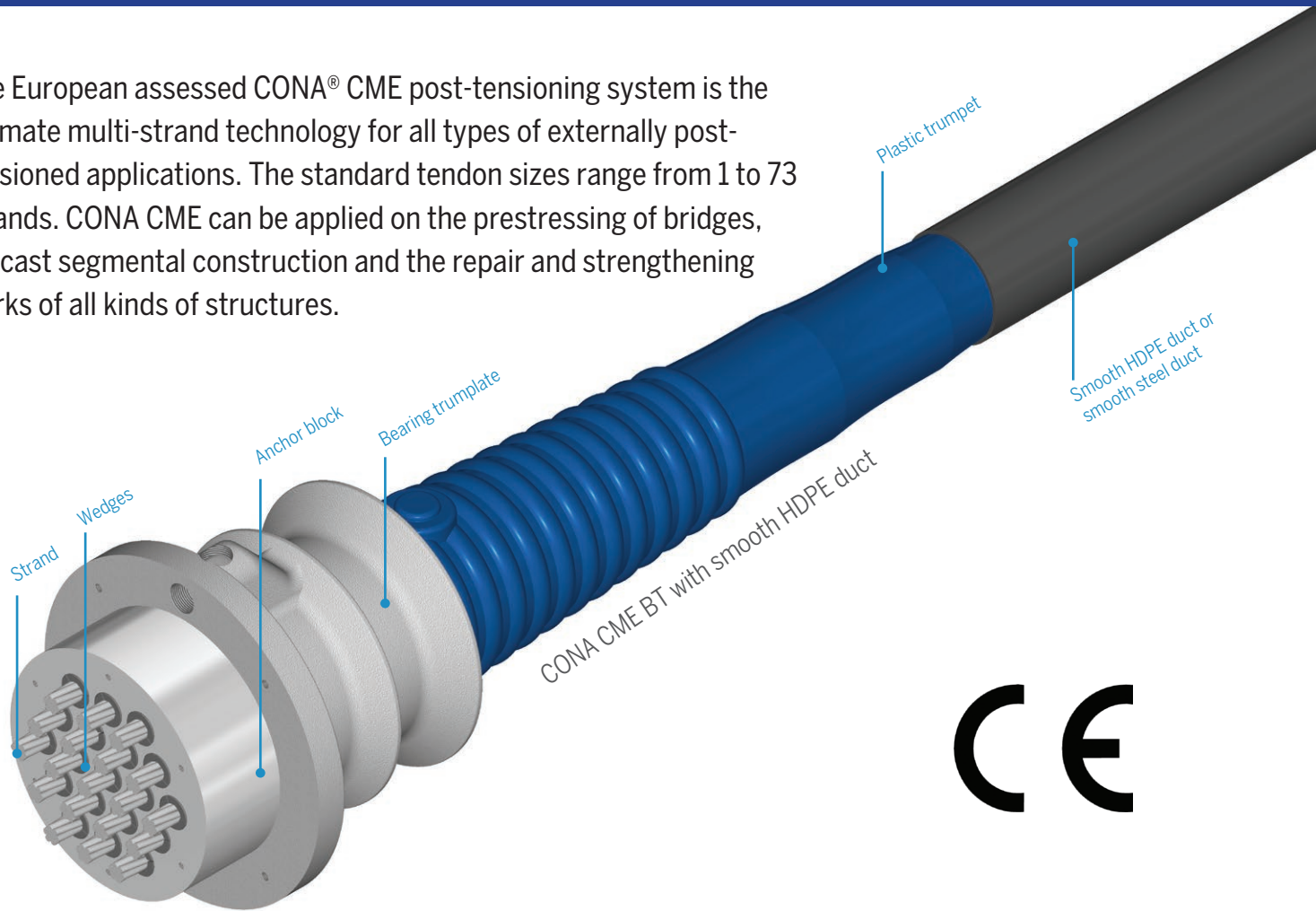


BBR VT CONA CME - External

External post-tensioning system



The European assessed CONA® CME post-tensioning system is the ultimate multi-strand technology for all types of externally post-tensioned applications. The standard tendon sizes range from 1 to 73 strands. CONA CME can be applied on the prestressing of bridges, precast segmental construction and the repair and strengthening works of all kinds of structures.



River Ebro Bridge (Spain)



A Global Network of Experts
www.bbrnetwork.com

BBR VT CONA CME - External

External post-tensioning system



Features

- Standard tendon sizes from 1 to 73 strands, larger sizes on request
- Widest range of tendon sizes with the largest tendon forces available on the international marketplace
- 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 tendon centre spacings and concrete 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
- Smooth round tendon duct utilizing either galvanized steel or HDPE material
- The ducts can be injected with either a high performance BBR grout or grease/wax. Greased and HDPE sheathed monostrands in grout filled ducts are also possible
- Restressable & exchangeable tendons perfectly suited for long-term inspection and maintenance
- Fully encapsulated and electrically isolated tendons offer the highest level of corrosion protection possible
- European Technical Assessment and CE marking

Available tendon sizes

Type of strands*

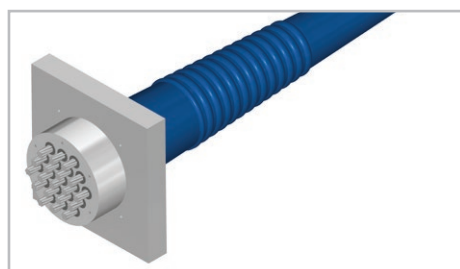
in	05	06
mm	12.9	15.7
mm ²	100	150
MPa	1,860	1,860

Tendon sizes

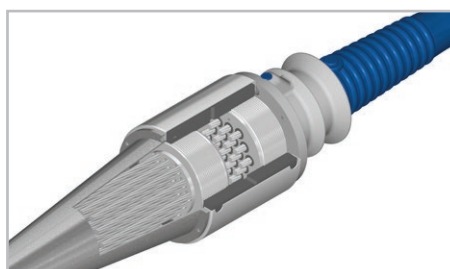
Strands	Characteristic ultimate resistance of tendon [kN]	
01	186	279
02	372	558
03	558	837
04	744	1,116
05	930	1,395
06	1,116	1,674
07	1,302	1,953
08	1,488	2,232
09	1,674	2,511
12	2,232	3,348
13	2,418	3,627
15	2,790	4,185
16	2,976	4,464
19	3,534	5,301
22	4,092	6,138
24	4,464	6,696
25	4,650	6,975
27	5,022	7,533
31	5,766	8,649
37	6,882	10,323
42	7,812	11,718
43	7,998	11,997
48	8,928	13,392
55	10,230	15,345
61	11,346	17,019
69	12,834	19,251
73	13,578	20,367

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

Compatible technologies



CONA CME SP



Coupler H



Coupler K



Plain strand & monostrand

