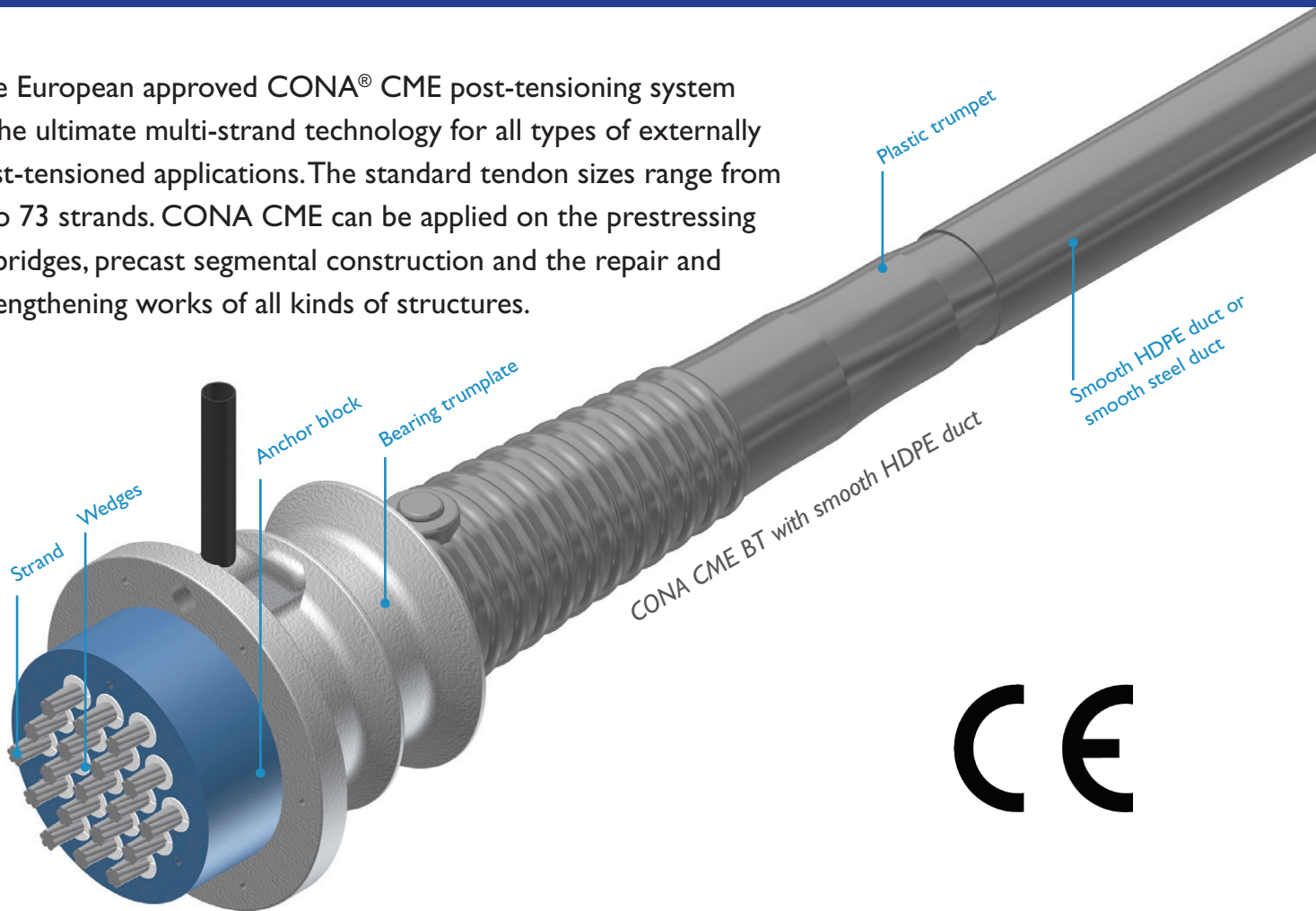


BBRVT CONA CME - External

External post-tensioning system



The European approved 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)

BBR VT CONA CME - External

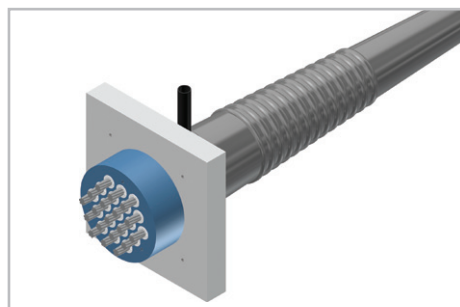
External post-tensioning system



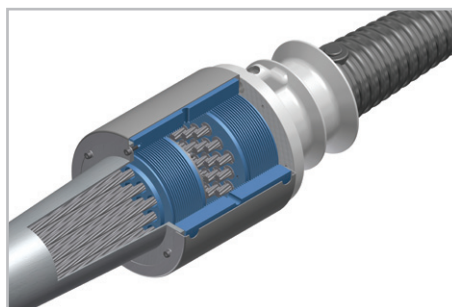
Features

- 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 15.7mm 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
- European Technical Approval and CE marking

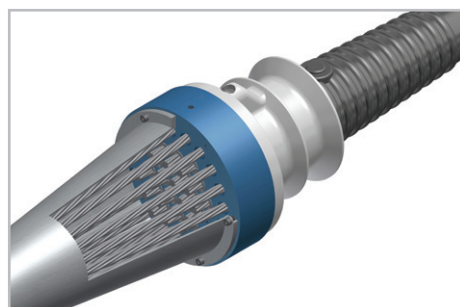
Compatible technologies



CONA CME SP



Coupler H



Coupler K



Plain strand & monostrand

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 |

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

