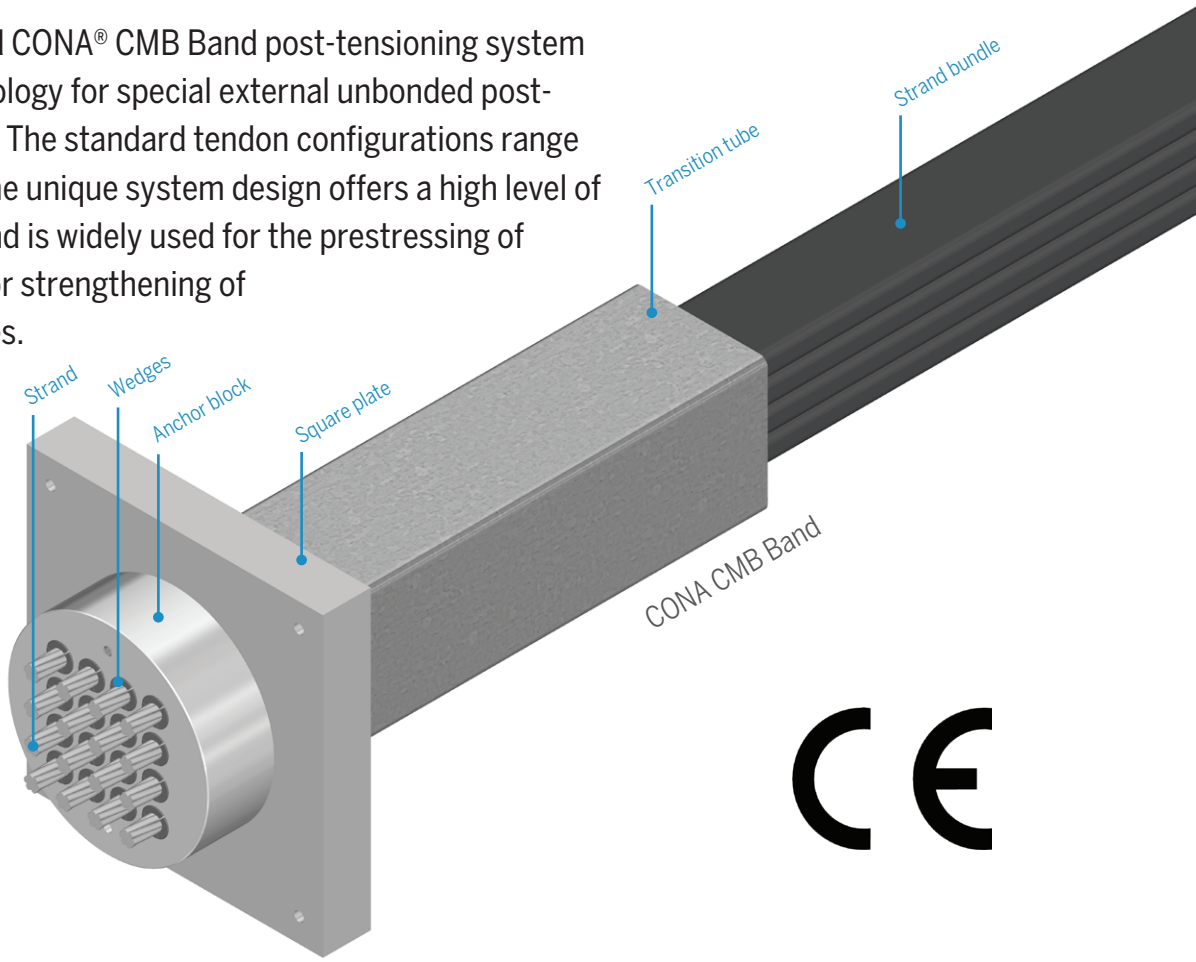
BBR VT CONA CMB - Band

Band post-tensioning system

The European assessed CONA® CMB Band post-tensioning system is a multi-strand technology for special external unbonded post-tensioned applications. The standard tendon configurations range from 1 to 16 strands. The unique system design offers a high level of corrosion protection and is widely used for the prestressing of wind towers and also for strengthening of railway and road bridges.



CE


Lavant Bridge (Austria)

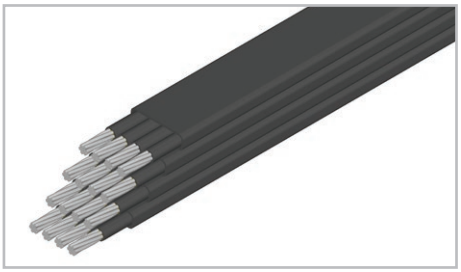
BBR VT CONA CMB - Band

Band post-tensioning system

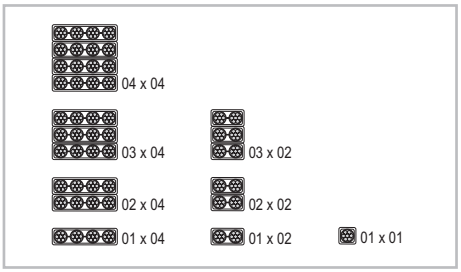
Features

- Standard tendon sizes from 1 up to 16 strands
- Strands are configured in either 2 or 4 strand flat horizontal bands, stacked vertically up to 16 strands
- Optimised for compacted strand – 15.2 mm diameter, 165 mm^2 area, 1,820 MPa, F_{pk} = 300 kN
- High level of corrosion protection ensured with transition tube and greased/waxed and HDPE sheathed monostrands. An additional extruded smooth rectangular plastic sheath for extra durability is also available
- Bands pre-cut and rolled onto a transportable drum for rapid deployment and tendon placement on-site
- Ideal for strengthening of bridges, buildings and tank wrapping. Convenient flat band profile for transfer of transversal forces at deviator/ saddle points
- Restressable & exchangeable tendons perfectly suited for long-term inspection and maintenance
- European Technical Assessment and CE marking

Band configurations



Strand bundle



Strand configuration

Special applications

Available tendon sizes

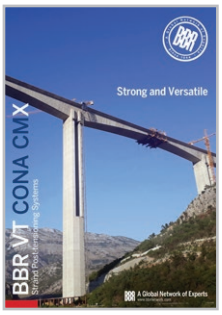
Type of strands*

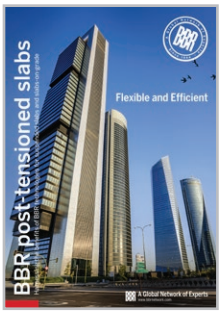
in	06		06C
mm	15.3	15.7	15.2
mm^2	140	150	165
MPa	1,860	1,860	1,820

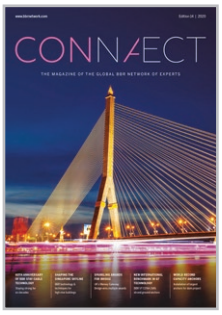
Tendon sizes

Strands	Characteristic ultimate resistance of tendon [kN]		
01	260	279	300
02	521	558	601
04	1,042	1,116	1,201
06	1,562	1,674	1,802
08	2,083	2,232	2,402
12	3,125	3,348	3,604
16	4,166	4,464	4,805

* 1,770 MPa tensile strength strand is also available







For further information download these brochures from our website.

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