

STRUCTURAL REELS

(BCS, BFA)

Structural reels with flanges obtained from corrugated sheets or with flanges made up of smooth steel sheet reinforced by radial welded profiles. They are suitable for internal process or for one-way or multiple shipping of cables, tubes and wires.

These reels are the most versatile and are customizable according to specific requirements.



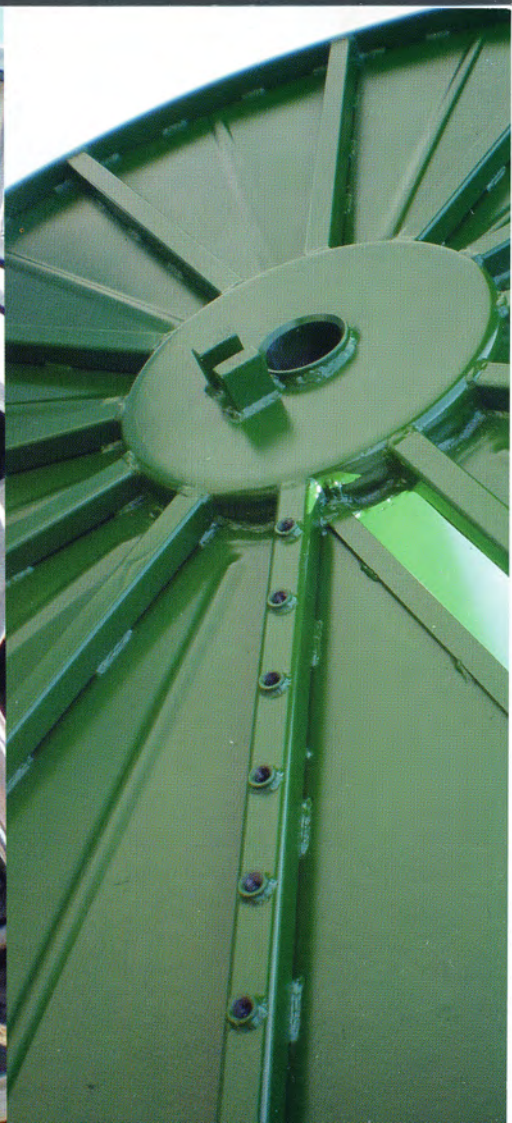
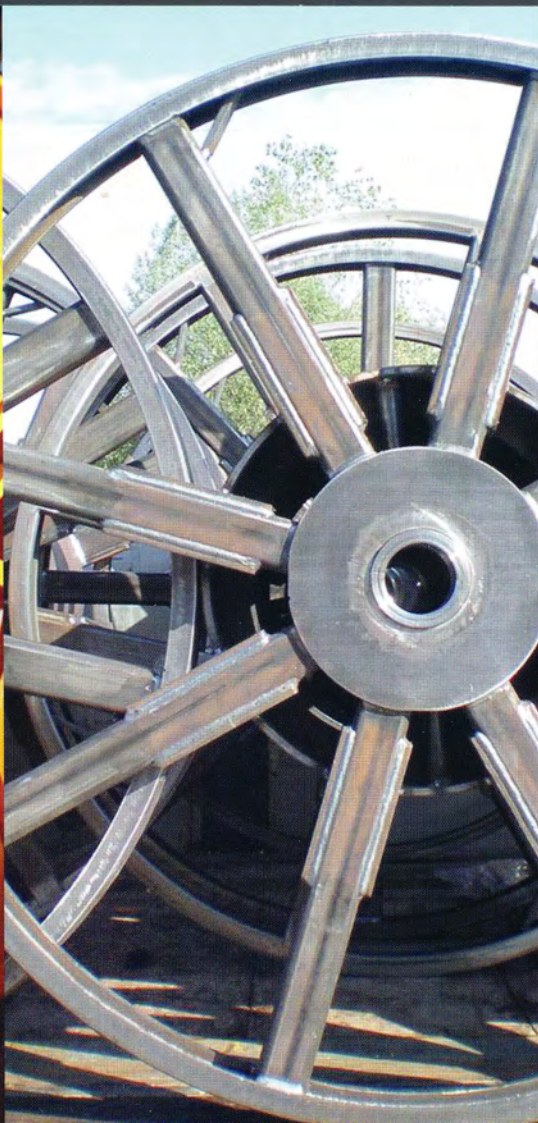
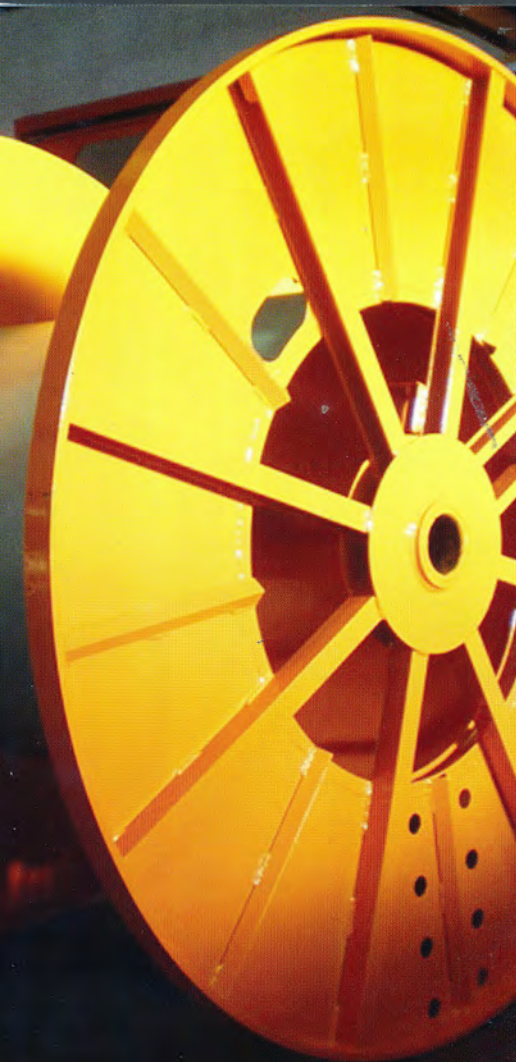
STRUCTURAL REELS /

Structural steel reels suitable for internal process, handling and / or shipping. It can be used for various applications depending on the field of use:

- Production of cable, non-ferrous wire and strips: take-up from drawing and rod-breakdown machines, suitable for annealing processes, extrusion, single or double twist stranding, bunching, armoring, winding of finished cable for one way/multiple shipping;
- Production of ferrous wire: take-up from high/low carbon steel wire drawing machines, especially for use in the construction/building sector
- Production of tubes: take-up of hoses of various types from extrusion lines (thermoplastics, PVC, textile, rubber, etc.)

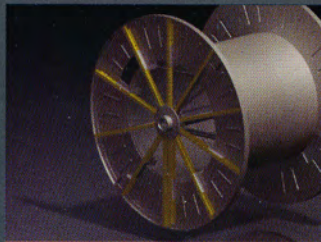
This type of reels is highly customizable, and the various fields in which it can be used, as well as the many available options, make it the most versatile model. BCS are specifically designed according to the customer requirements, to the specific application and to the requested capacity. Upon request, FEA simulations (Finite Element Analysis) are also available.

BCS



STRUCTURAL REELS / BCS - DRUMS FOR CABLES

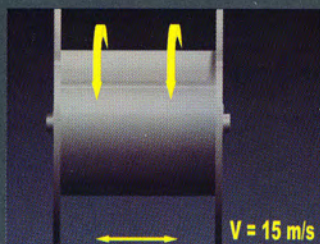
MAIN FEATURES



Structural reel with flanges provided with spokes converging to the centre



Structural reel provided with flanges made up of radial spokes and central "cross"



Straightening and static balancing for winding speed up to 15 m/s



Arbor provided with machined bushings (mainly for internal process or for high-speed process)

MAIN OPTIONS



Transversal reinforcements for drum-twister applications



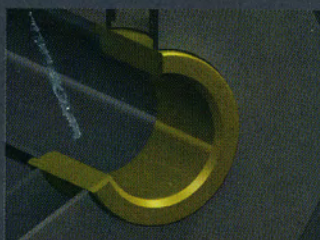
Arbor provided with interchangeable screwed bushings

STRUCTURAL REELS / BCS - DRUMS FOR TUBES

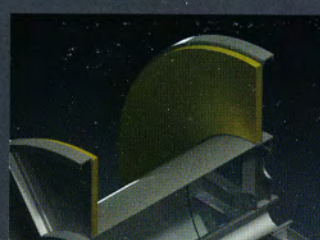
MAIN FEATURES



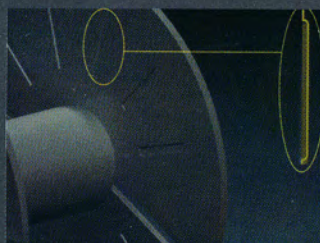
Light structural reel, flanges made up of radial spokes and central cross or plate



Arbor provided with machined bushes or passing shaft



Coating of surfaces with specific materials aimed at protecting the wound material (PVC, polyurethane spray, rubber, etc.)



Reinforcing ribs on the flanges



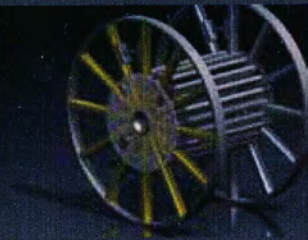
Epoxy-painting on all the surfaces (all RAL colors available)



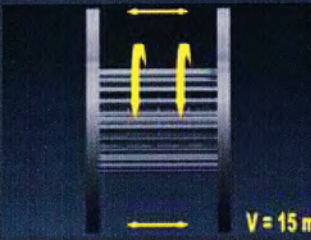
Seal welded sleeves for pneumatic test of the wound tubes

STRUCTURAL REELS / BCS - DRUMS FOR FERROUS WIRES

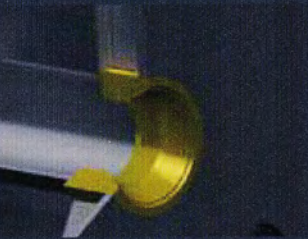
MAIN FEATURES



Structural reel with flanges provided with ribs converging to the centre (with or without internal sheet)



Straightening and static balancing for winding speed up to 15 m/s



Arbor provided with machined bushes



Holes or slots for wire/cable tightening (if requested)

MAIN OPTIONS



Reinforced barrel to increase the capacity of the reel

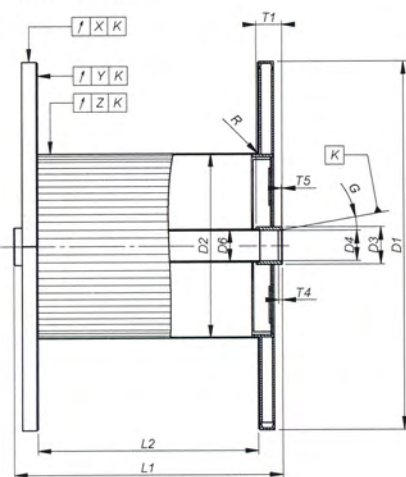


Reinforcing squares for the parts of the drum most stressed by the pressure of the wound material

DRAWING TECHNICAL DRAWING TECHNICAL DRAWING

BCS reels can be manufactured with flange diameter up to 4500 mm and other dimensions as per DIN 46397-11: 2005-07, DIN 46395 and DIN 46391-1: 2005-04.

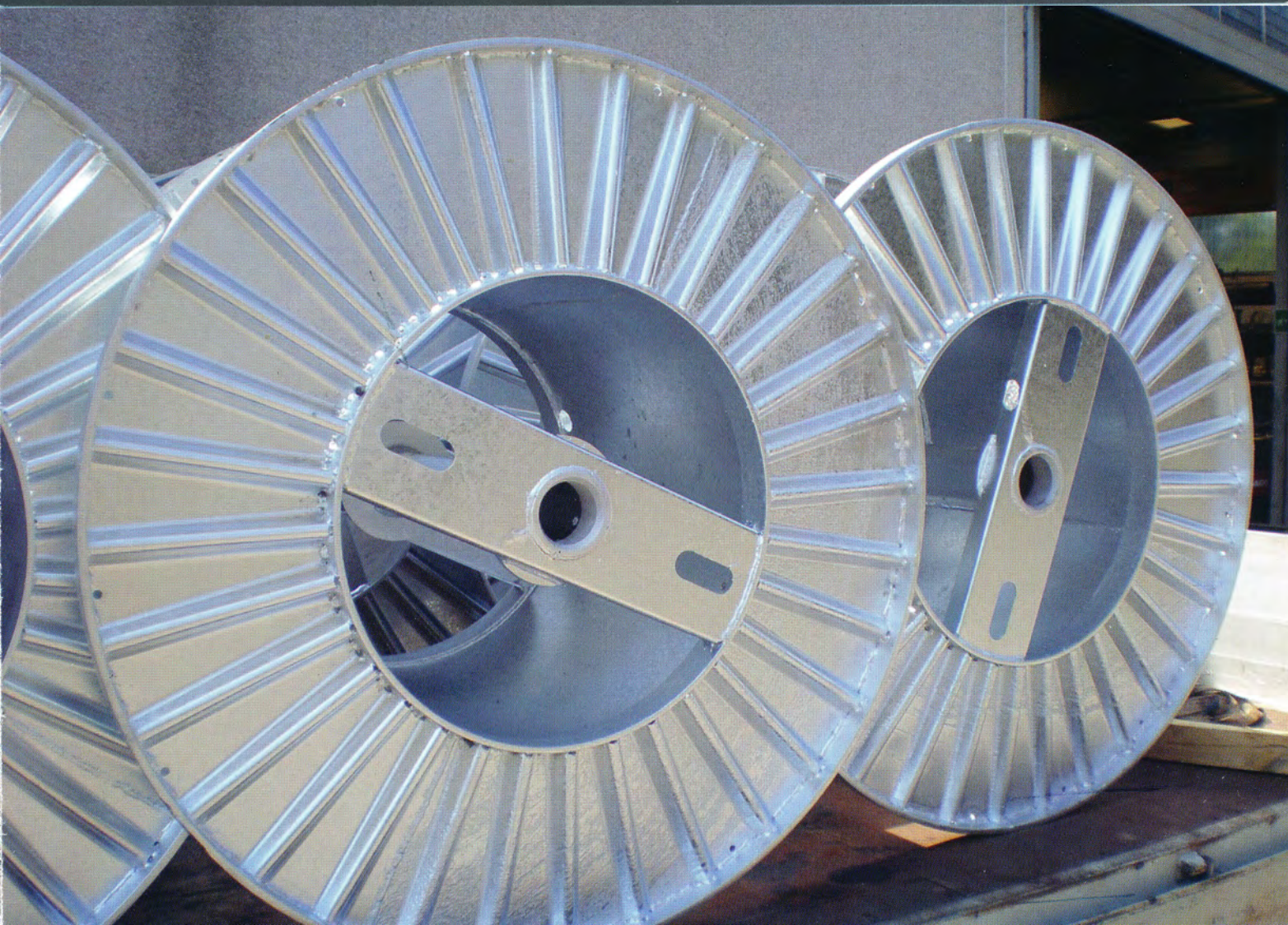
FORM "A"



STRUCTURAL REELS /

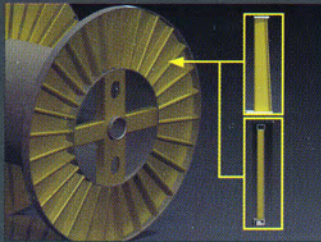
Structural steel reel provided with finned flanges and suitable for all types of cable, strands, ferrous and non ferrous wires. This kind of reel can be used for many applications, in particular for the production of cables in annealing, stranding, bunching, armoring processes and for one-way/multiple shipping of the finished products. The reinforcing ribs of the flanges can be either conical or cylindrical, and are rounded so as not to create sharp edges or roughness that can damage the wound material. The reels are specifically designed according to the customer requirements, to the specific application and to the requested capacity. Upon request, FEA simulations (Finite Element Analysis) are also available.

BFA

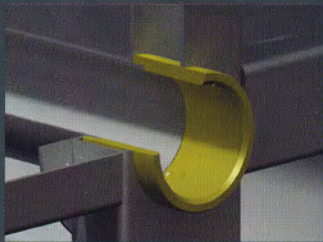


STRUCTURAL REELS / BFA

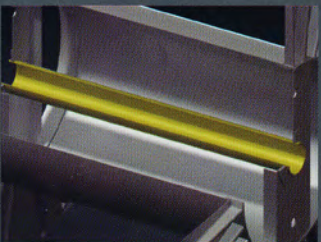
MAIN FEATURES



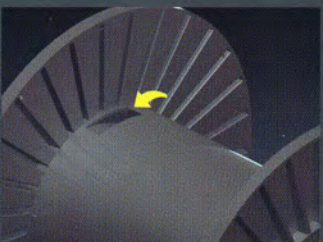
Structural reels with flanges provided with conical or cylindrical ribs and central cross



Arbor provided with machined bushes (mainly for internal process or for high process speed)



Passing shaft (mainly for shipping and low process speed)

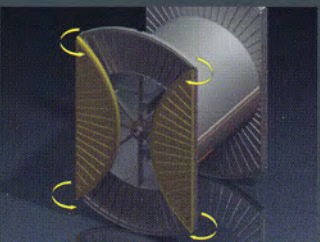


Holes or slots for wire/cable tightening

MAIN OPTIONS



Arrangement for the positioning and fixing of wooden staves

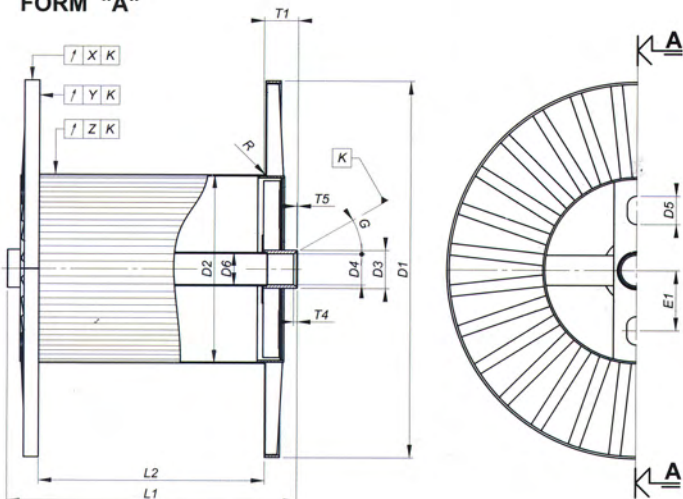


Foldable flanges (wings) to reduce the overall dimensions of the empty drum

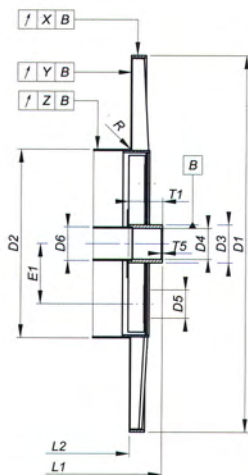
TECHNICAL DRAWING TECHNICAL DRAWING

BFA reels can be manufactured with flange diameter up to 4000 mm and other dimensions as per DIN 46397-11: 2005-07, DIN 46395 and DIN 46391-1: 2005-04.

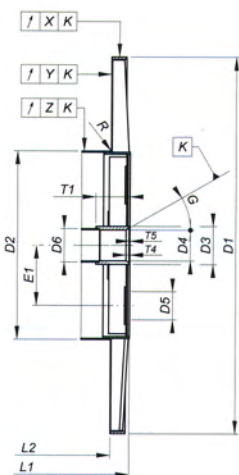
FORM "A"



FORM "B"



FORM "C"



FORM "D"

