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**FT-ROLLER**

# Air Shafts

Airshafts—also called “Air Expanding shafts”, “Air Bars” or “Air Mandrels”, used in the manufacturing processes for fitting into a core onto materials, such as paper, card and plastic film industry etc. On process of fitting into a core, it can be readily expanded, thereby achieving a quick and firm attachment, it may also be easily deflated to facilitate, easy withdrawal of the shaft after winding of product is completed. Air shafts are used on many converting machines. An example of one of these machines is a slitting machine or slitter rewinder which is used to cut or slit large rolls of material into smaller rollers. Advantages of air shafts: lightweight, Less deflection, higher critical speed etc.



## Expanding Air Shafts

### Material:

Aluminum (standard), steel, stainless steel and carbon fiber construction;  
(Shaft body is made of high quality steel, the surface hard chromium plating; Aluminum convex key, telescopic flexible; Configuration of high quality rubber bladder with quick exhaust gas mouth, good sealing effect, long service life; Removable shaft head, simple maintenance).

### Surface treatments:

Blackening, polishing, anodize, chrome plating, zinc plating, nickel plating, tinting.

The overall quenching and tempering treatment can improve the wear resistance and corrosion resistance, which make it possible to use in a variety of environment.



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