

Webinar on Aluminium Drawn Tube for PP Multi-Filament Spin-Draw-Wind Lines



7 October, 2021



Ahmedabad, India

Speaker:

Bhavik Thaker

Asst. Manager - Export
SIDDHI GROUP

Moderator:

Aayush Chopra

Marketing Engineer
SIDDHI GROUP

Welcome to Siddhi Group

3+ Decades of Precision



About Siddhi Group

3+ Decades of Experience in Aluminum Precision Drawn Tubes & Metal COPS



Company has Collaborative Approach

Diversified Group with 2 holding companies

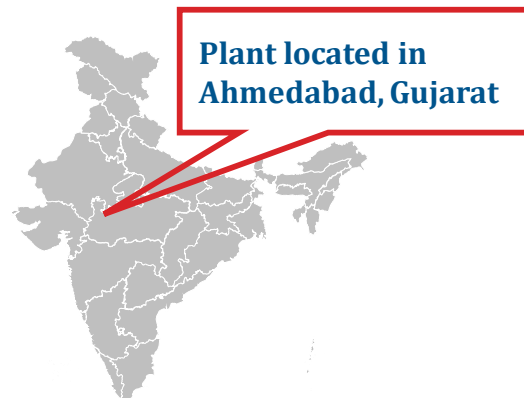
- **Siddhi Engineers** : Manufacturer & Exporter of Aluminum Precision Drawn Tubes from 20 different Alloys since 1988
- **Samruddhi Engineering** : Manufacturer & Exporter of Metal COPS (Bobbins/Pirns) for Synthetic Yarn Winding since 1992



Largest Portfolio of Product Range for Woven Sack Industries



Technology Partnership with ISRO



Full Time Innovation Team

Products Manufactured from Aluminium and Steel Tubes



EXPORTING TO

30+

COUNTRIES



*For Multifilament Yarn, Woven Sack, FIBC, Geo-Textile, Carpets,
Aero Space, Defence, Automobile, Telecommunications &
Automation Industries*

System Certifications & Awards

System Certificates



ISO 9001 - 2015
Quality Management



ISO 14001 - 2015
Environment Management



EN 9100D - 2018
Aerospace Products

45+ awards and counting



Export Excellence



R&D In MSME



Entrepreneurship



Make in India



Other Awards

Products for Woven Sack & Allied Industries



Steel / Aluminium Cheese Tubes



**PP/HDPE
Flat Tape
Winding**



**FIBC
Industry**

Products for Woven Sack & Allied Industries



Jumbo Tubes



**FIBC
Industry**

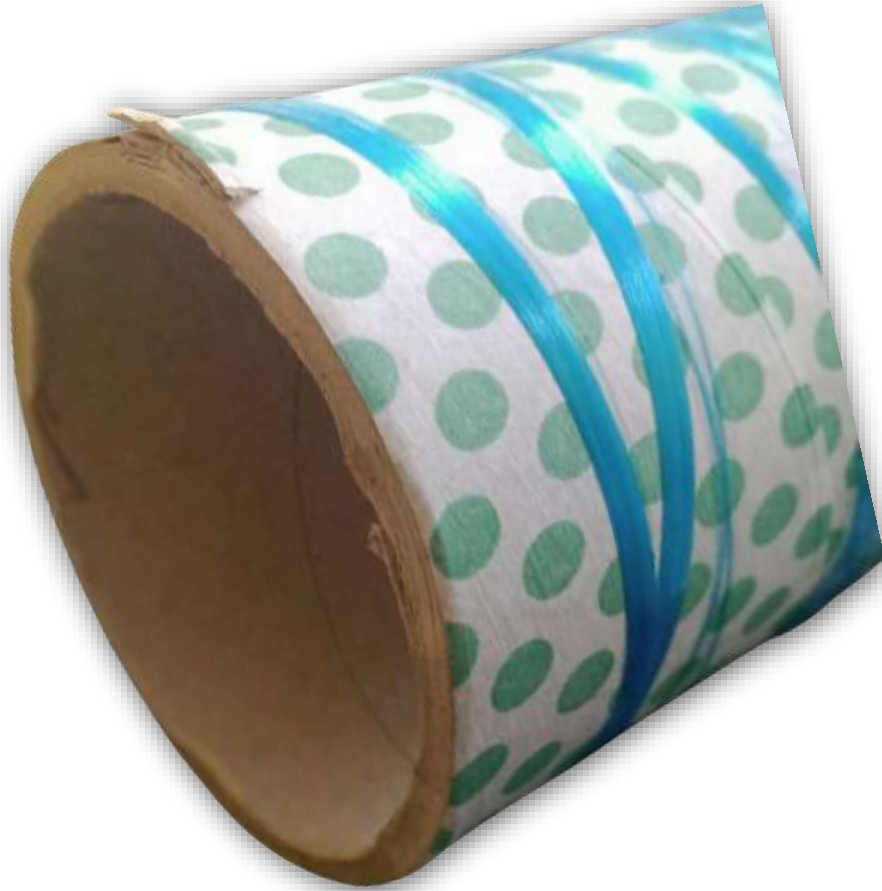


**Carpet
Backing
Thread**



**Geo-Textile
Industry**

Pain Points of using Paper Tubes



**End Damage while Fitment
Impact on Spindle**



**Damage due to Atmospheric
Effect**



**Damage due to Miss-
handling / Transportation**

Introducing Aluminium Drawn Tube for Multi-Filament Yarn



Paper Tube to be replaced by
Aluminium Drawn Jumbo Tubes
for In-house Yarn processing



Aluminium Drawn Jumbo Tube for ***Multifilament Yarn***
Size: ID 110 x OD 116 (in mm)
1st time in the world

Value Proposition

Yarn produced with a better WINDING QUALITY



Increased Life by Number of Cycles

80%

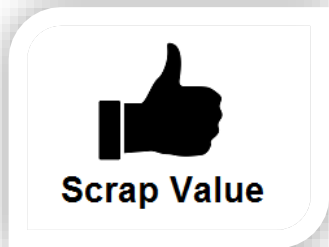
Reduced Cost per Kg Production in regards to Yarn Carrying

No Repeated Buying of Tubes



Less Damage in Handling & No Deformation due to Atmospheric Effect

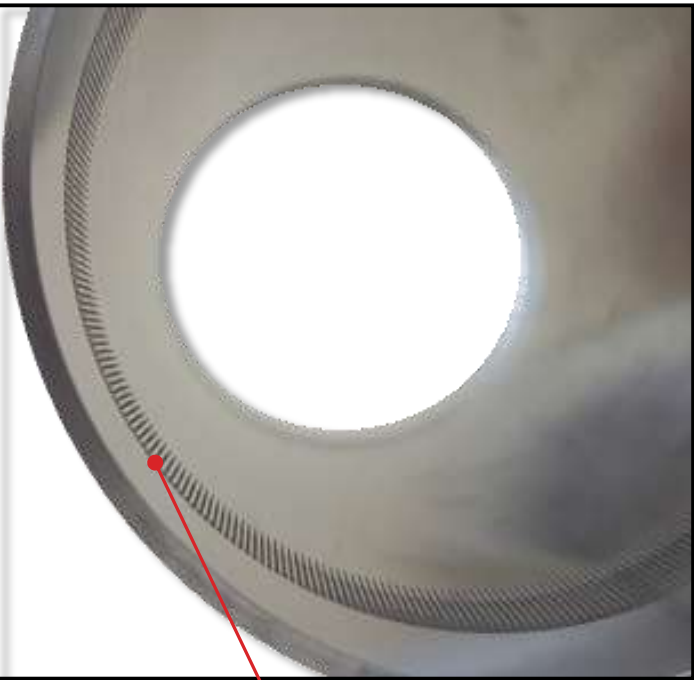
Scrap Value is Min. 50% of its Purchased Cost



Space Utilization as Less Stock Keeping



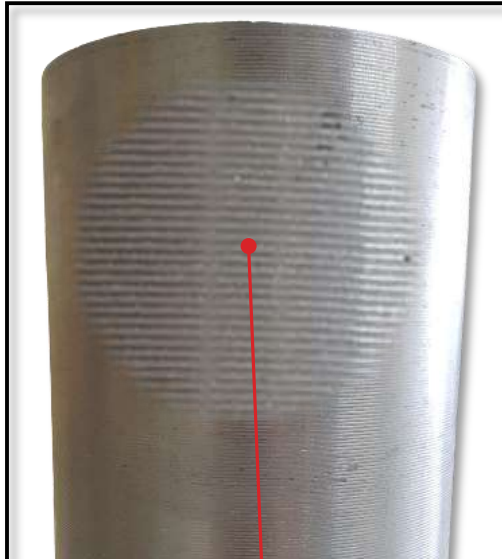
Additional Features for Creating Functional Advantages



Internal Knurling



Longitudinal Grooving



Micro Grooving on OD circumference



Anodizing / Powder Coating



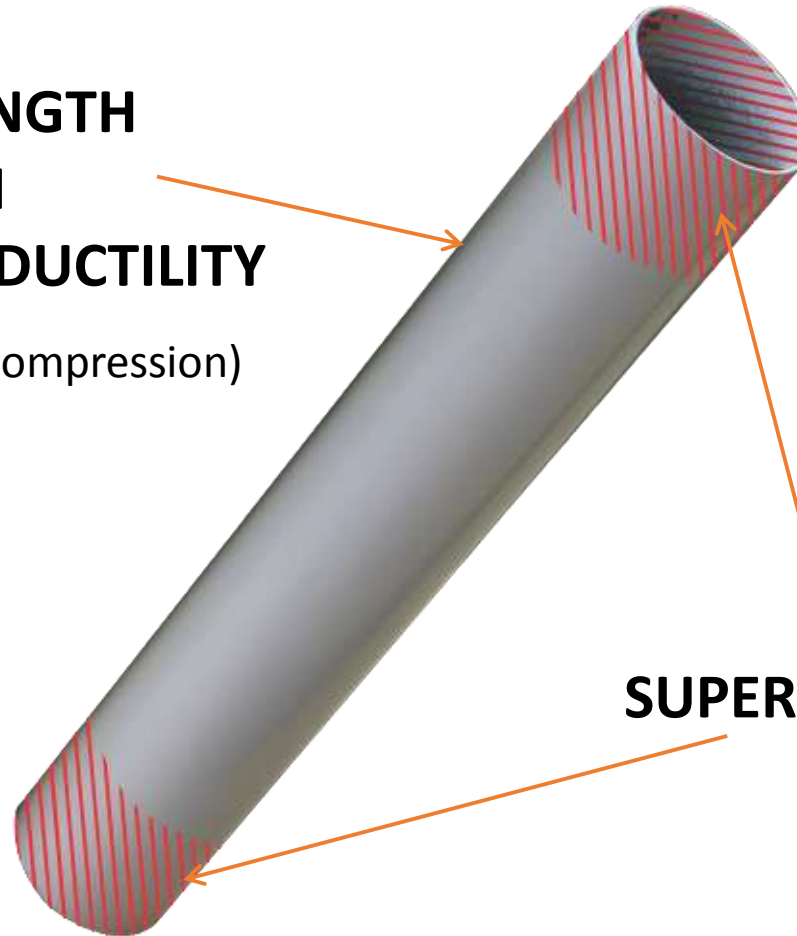
Rough OD Surface

OTHER USEFUL PRODUCTS

EDGE
HARDENED
Steel
Cheese
Tube

**HIGH STRENGTH
AREA WITH
REQUIRED DUCTILITY**

(Resistance to compression)



SUPER HIGH STRENGTH AREA

(Resistance to impact)

- Resistance to
impact

- Resistance to
compression

PATENTED

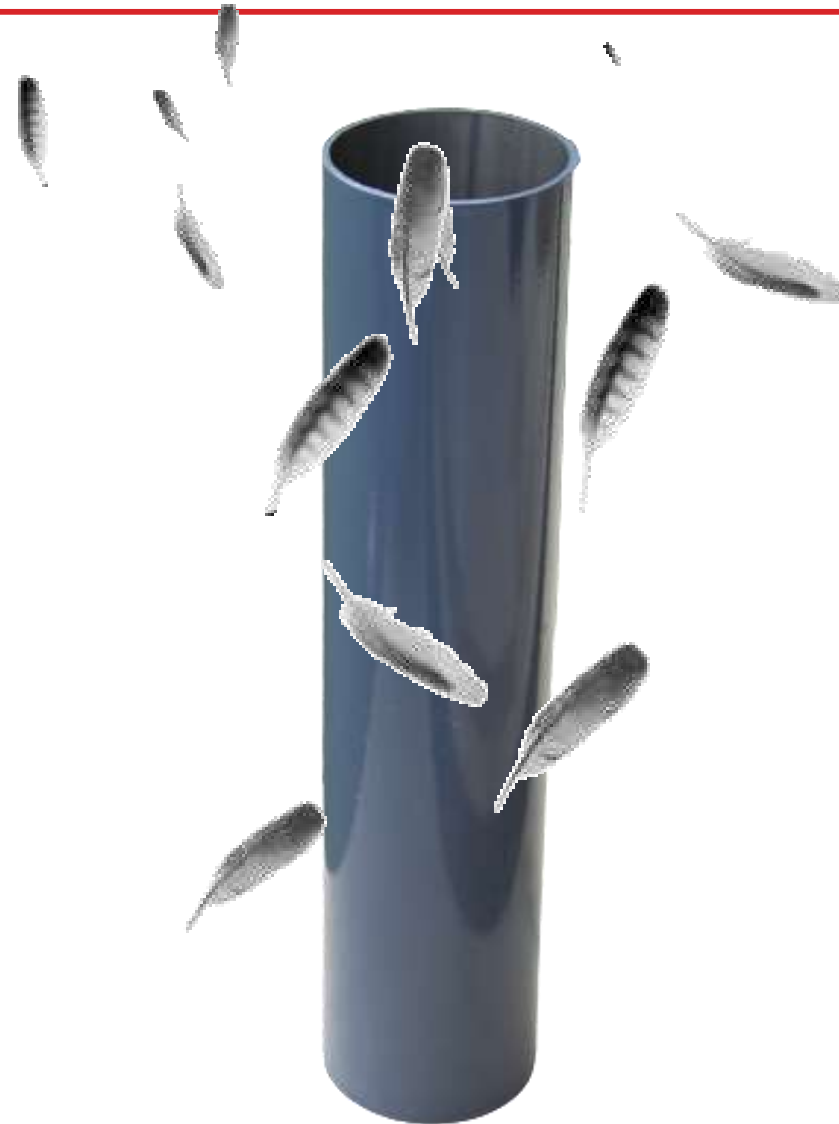
OTHER USEFUL PRODUCTS

Aluminium
Cheese
Tube

100 Grams

1st time in the
WORLD

(lightest – Patent
Applied)



Patents & Innovation

High focus on research and innovative solutions

Spending around **5%** of revenue on R&D

1 patent received



Process of induction hardening treatment at steel cheese tube edge for high impact resistance

5 Patents applications in process



India

Process for **manufacturing of Aluminium alloy cheese tube**, cheese pipe or bobbin for woven sack



India

Process for **manufacturing steel cheese tubes**, jumbo tubes, pipes for woven sacks and cops, bobbin, pins for synthetic yarn



India

Process for **manufacturing of steel cops/ bobbins/ pins** for synthetic yarn



India

Method of **manufacturing Aluminium tubes** for telescopic mast



Israel

Process for **Manufacturing Steel Cheese tubes/ jumbo tubes/ pipes** for woven-sacks and cops/ bobbins/ pins for synthetic yarn

Useful Videos

Applications and advantages of different products by **Siddhi Group**

Get more details through **YouTube Videos**



**HIGH STRENGTH
STEEL CHEESE TUBES**



Get in touch

As we say

**Doors are
Always Open,
for personal &
virtual visits.**

**You are always
Welcome.**

SIDDHI ENGINEERS

'SIDDHI HOUSE' 6, Virkunj Society,
Near Vidyanagar School, Usmanpura,
Ahmedabad - 380014.
Gujarat - INDIA

Ph. No. +91 79 40244344, 27542909

Fax No. +91 79 27545089

WhatsApp No. +91 93779 79018 / 21

Email: siexp@siddhiindia.com

Website: www.cheesetubes.com
www.siddhiindia.com





SIDDHI GROUP

*Thank
you*

