

# ANDREW<sup>®</sup> SMART-PIPE NOMENCLATURE

## Making business easier

Smart-Pipe is a nomenclature developed by ANDREW to bring clarity and consistency to part numbering for pipe, tube, and angle used in the telecommunications structural support sector.

### What we are seeing in the industry

The structural support industry lacks a consistent system for part numbers. Most current part numbers are random or semi-random and fail to convey essential material attributes. This creates friction at every stage of the project lifecycle—design, procurement, and field installation.

Common missing attributes include:

- Material type (e.g., steel, aluminum)
- Length
- Outer diameter
- Wall thickness
- Material grade

### Smart-Pipe part number nomenclature defined

Example part number: **BPS-BCE-E-096-H**

Bulk Pipe Steel, Schedule 40, A500C 46 KSI,  
.203" x 3.5"OD x 96", Galv

P/N Digit	Meaning
BPS	Product Category: Bulk Pipe Steel
B	Pipe Type or Schedule
C	Material Grade
E	Wall Thickness
E	Outer Diameter
096	Length (in inches)
H	Finish (e.g., Hot Dipped Galvanized)

### What we strive to achieve with Smart-Pipe nomenclature

- Eliminate confusion in material identification
- Establish a standardized reference system for pipe, tube, and angle
- Accelerate engineering analysis and scoping
- Improve accuracy in specification and ordering

### Smart-Pipe nomenclature delivers value across multiple functions by standardizing how material is identified and communicated through the part number itself, providing:

- Faster and more accurate A&E analysis
- Streamlined quoting and ordering processes
- Reduction in RFIs, change orders, and miscommunications
- Improved alignment between procurement, engineering, and installation teams
- Easier onboarding and training of internal teams and partners



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Need further assistance?

Contact our team today: [steelproducts@andrew.com](mailto:steelproducts@andrew.com).

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