

ANDREW® SMART-PIPE NUMBERING SYSTEM

Making business easier

The Smart-Pipe is a numbering system has been 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 numbering system 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 numbering system

- 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 numbering system 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.

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