

Inventor SANS Steel Library

AVAILABLE SECTIONS

ANGLES

- Equal Legs
- Unequal Legs
- Cold Formed Lipped
- Cold Formed Equal Legs
- Cold Formed Unequal Legs
- Cold Formed Unequal Lipped Legs

CHANNELS

- Cold Formed
- Parallel Flanges
- Taper Flanges
- Cold Formed Lipped

I-BEAMS

- H-Sections
- I-Sections
- Joists
- IPE's
- IPE-AA's

HOLLOW SECTIONS

- Circular Sections
- Circular Sections (Other)
- Rectangular Sections
- Square Sections

FLAT BARS

ROUND BARS

OTHER

- Cold Formed Zee's
- Cold Formed Unequal Zee's
- Rails
- T-sections
- Top Hats

ABOUT

The SANS Steel library for Inventor was created as a single content centre library which consists of all the standard steel sections as listed by the SABS / SANS South African Standards. The Library easily installs as an additional content centre library.

By having a single library, time is saved by preventing confusion with other library content, and a reduction in time searching for the sections you need. Each library section has its own unique Part Number, Stock Number and File Name, all automatically generated for you.

All properties are mapped to the part's iProperties which shows up in BOM tables and Parts Lists on your Inventor drawings.

USAGE

Once installed, the steel sections are available from Inventor's Content Centre window and from within the Frame Generator window. Please see the [SANS Steel Library Setup Instructions page](#) for details on creating a SANS filter in Inventor to make the steel sections easily selectable.

When placing sections, using Inventor's Content Centre, you can either opt to insert "As Standard" or "As Custom". When placing it "As Standard", the filename is generated automatically and a part is created in the project workspace. When placed "As Custom", you will have the opportunity to specify the filename. Using both methods, you will be asked to specify the length of the section inserted. This value is recorder and used in the filename and as a property and will be visible in the BOM and on the drawing parts lists.

With Frame Generator, these sections can be added using current geometry as reference. Any changes to the reference will automatically update your design.

SECTION IDENTIFICATION

Formatting for Identification

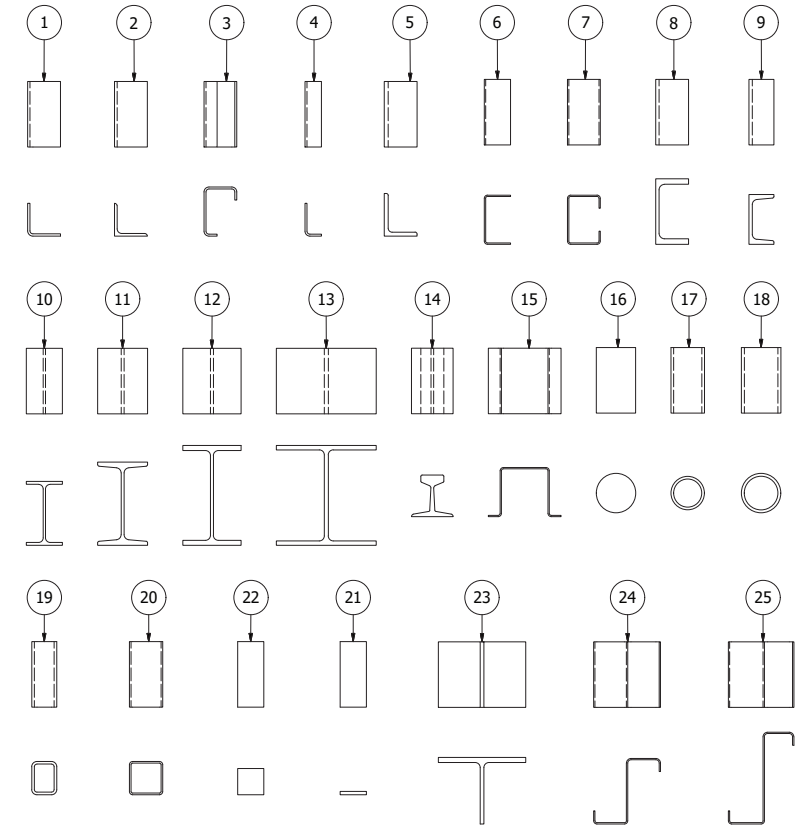
Stock No. = [Abbreviation] + [Member]

Part No. = [Stock No.] + [Length]

File Name = Part No.

PARTS LIST

ITEM	QTY	STOCK NUMBER	PART NUMBER	DESCRIPTION
1	100,000 mm	ACF 50x50x3.5	ACF 50x50x3.5-100	Angle : Cold Formed
2	100,000 mm	RSA 50x50x4	RSA 50x50x4-100	Rolled Steel Angle
3	100,000 mm	LAC 75x50x20x3.0	LAC 75x50x20x3.0-100	Lipped Angle : Cold Formed
4	100,000 mm	ACF 50x25x3	ACF 50x25x3-100	Angle : Cold Formed
5	100,000 mm	RSA 65x50x6	RSA 65x50x6-100	Rolled Steel Angle
6	100,000 mm	CFC 75x40x2	CFC 75x40x2-100	Channel : Cold Formed
7	100,000 mm	LCC 75x50x20x2.0	LCC 75x50x20x2.0-100	Lipped Channel : Cold Formed
8	100,000 mm	PFC 100x50x10	PFC 100x50x10-100	Parallel Flange Channel
9	100,000 mm	TFC 76x38x6	TFC 76x38x6-100	Taper Flange Channel
10	100,000 mm	IPE-AA 100	IPE-AA 100-100	IPE-AA 100 Hot Rolled
11	100,000 mm	RSJ 127x76x13	RSJ 127x76x13-100	Rolled Steel Joist (I-Section - Taper Flange)
12	100,000 mm	BMS 152x89x16	BMS 152x89x16-100	152x89x16 Hot Rolled
13	100,000 mm	UC 152x152x23	UC 152x152x23-100	Universal Column
14	100,000 mm	Ra 10kg/m	Ra 10kg/m-100	Rails
15	100,000 mm	TH 75x75x20x2.0	TH 75x75x20x2.0-100	Top Hat
16	100,000 mm	Rbar 60	Rbar 60-100	Round Bar
17	100,000 mm	RndT 51x4.0	RndT 51x4.0-100	Round Tube
18	100,000 mm	RndT 60.3x4.5	RndT 60.3x4.5-100	Round Tube
19	100,000 mm	RecT 50,8x38,1x4	RecT 50,8x38,1x4-100	Rectangular Tube
20	100,000 mm	SqrT 50,8x50,8x2,5	SqrT 50,8x50,8x2,5-100	Square Tube
21	100,000 mm	Fbar 40x5	Fbar 40x5-100	Flat Bar
22	100,000 mm	Sbar 40	Sbar 40-100	Square Bar
23	100,000 mm	T 102x133x13	T 102x133x13-100	T-section
24	100,000 mm	LZC 100x50x20x2.0	LZC 100x50x20x2.0-100	Lipped Zee
25	100,000 mm	LZC 140x45x53x20x2	LZC 140x45x53x20x2-100	Lipped Zee



MICRO
GRAPHICS



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