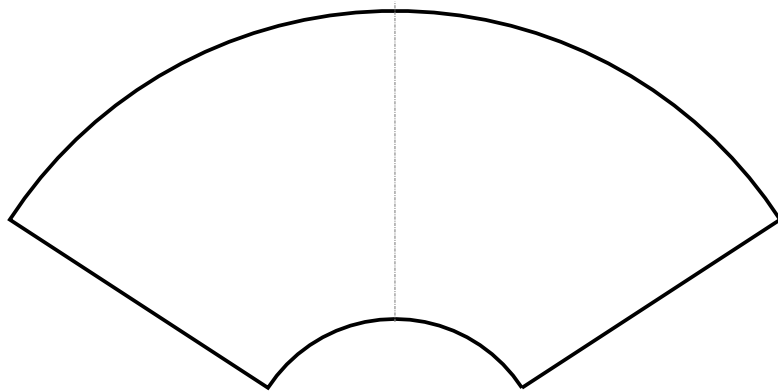




FLAT BLANK ENVELOPE 2038.13 x 997.33 mm
SCALE 1:20 ALL DIMENSIONS ARE FLAT PATTERN UNLESS MARKED FINISHED

FINISHED GEOMETRY

Large End Diameter (OD)	768.78 mm
Large End Diameter (ID)	762.00 mm
Small End Diameter (OD)	260.78 mm
Small End Diameter (ID)	254.00 mm
Axial Height	762.00 mm
Slant Height	803.22 mm
Half Apex Angle	18.435 deg
Included Apex Angle	36.87 deg
Material	Stainless 304
Thickness	3.57 mm

FLAT BLANK

Blank Outer Radius (FLAT)	1216.18 mm
Blank Inner Radius (FLAT)	400.97 mm
Sector Angle (FLAT)	113.842 deg
Outer Arc Length (FLAT)	2416.46 mm
Inner Arc Length (FLAT)	796.69 mm
Blank Envelope (FLAT)	2038.13 mm x 997.33 mm
Development Surface	K = 0.5 (mid-thickness geometric assump...
Diameter Basis Entered	Inside Diameter (ID)
Seam	Butt seam, no length allowance (blank cu...
Large End Trim Allowance	6.00 mm
Small End Trim Allowance	6.00 mm

ROLLING INFORMATION

Target Large End	768.78 mm OD / 762.00 mm ID
Target Small End	260.78 mm OD / 254.00 mm ID
Roll Direction	Roll along the arc; the seam edges are ra...
Leading / Trailing Edge	The two radial edges of the sector
Development Assumption	Neutral surface as stated above - not a c...
Machine Settings	Shop controlled - no machine profile sup...

BLANK

Envelope (FLAT)	2038.13 x 997.33 mm
Blanks to cut	1
Estimated blank mass	37.418 kg each

NOTES

1. PRE-BEND LEADING AND TRAILING EDGES AS REQUIRED TO CONTROL STRAIGHT-END FLATS.
2. Blank developed on the neutral surface at K = 0.5 (mid-thickness geometric assumption - verify against shop practice). Rolled part: no per-bend allowance applies.
3. Generated dimensions must be reviewed against the job specification, material condition and shop process before production.

RUTHEN SYSTEMS

Fabrication Generator

PART NAME Rolled Cone 762-254	PART NO CONE-762	REV A	JOB NO S-1002	CUSTOMER Sample Customer
MATERIAL Stainless 304	THICKNESS 3.57 mm	UNITS MILLIMETRES	QTY (BLANKS) 1	PROCESS Plate roll (smooth)
PREPARED BY Ruthen Systems	DATE 2026-09-02	SHEET 1 of 1		