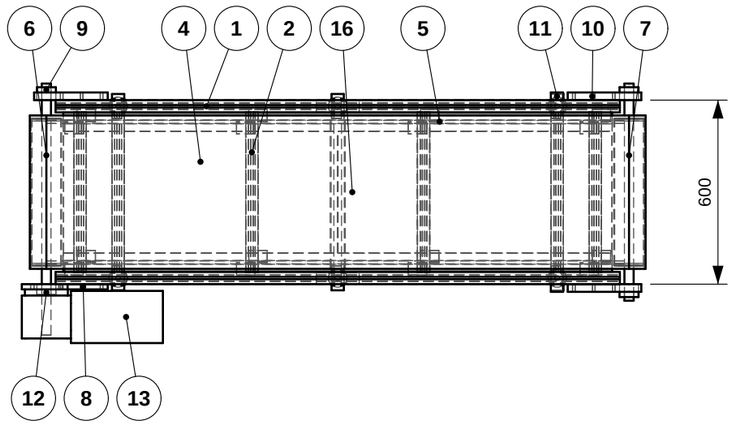
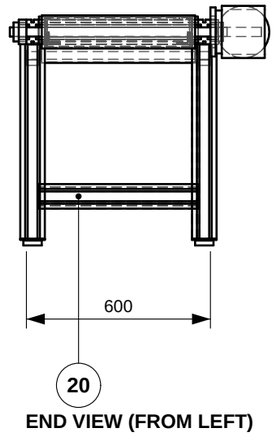


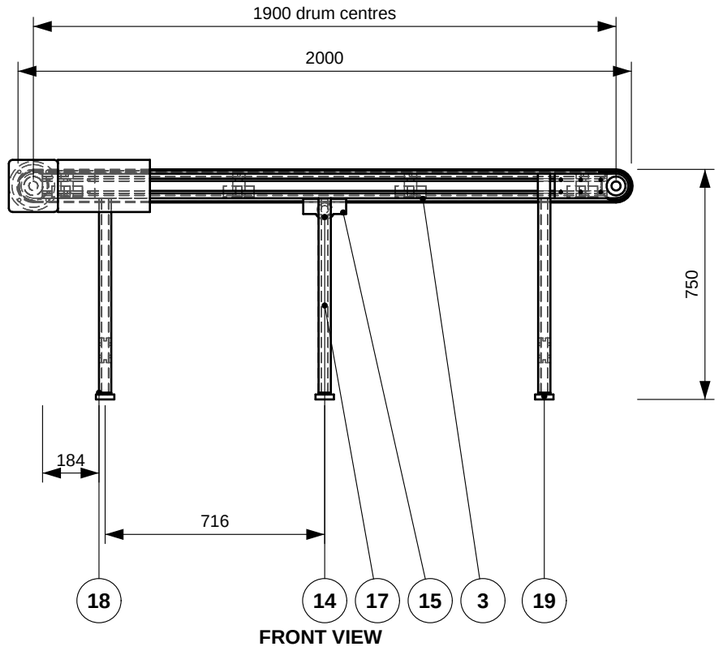
ISOMETRIC VIEW (NOT TO SCALE)



PLAN VIEW



END VIEW (FROM LEFT)



FRONT VIEW

PARTS OF ASSEMBLY

ITEM	DESCRIPTION	SHEET	QTY
1	Side extrusion, 80x40 alu profile x 1840 lg	sh 2	2
2	Cross member, 80x40 alu profile x 520 lg	sh 3	4
3	Angle bracket 40x80 (bought-out)	sh 4	16
4	Bed panel, plywood 893 x 396 x 10	sh 5	2
5	Tracking strip, nylon 1790 x 60 x 10	sh 6	2
6	Drive drum Ø100 x 480 face, shaft Ø30 x 820	sh 7	1
7	Idle drum Ø100 x 480 face, shaft Ø30 x 708	sh 8	1
8	Drive bearing housing 280 x 160 x 17	sh 9	1
9	Bearing insert UC206, 30 x 62 x 17 (bought-out)	sh 10	4
10	Idle bearing housing 240 x 80 x 25	sh 11	3
11	Tensioner block 40 x 25 x 80	sh 12	2
12	Motor spacer Ø140 x 20	sh 13	1
13	Shaft-mounted gearmotor, hollow shaft Ø30 (bought-out)	sh 14	1
14	Return idler Ø49 x 500, shaft Ø25	sh 15	1
15	Pillow block bearing UCP205, 25 bore (bought-out)	sh 16	2
16	Belt 500 wide x 4127 endless, 2-ply, K10 guide both edges	sh 17	1
17	Leg, 80x40 alu profile x 636 lg	sh 18	6
18	Foot plate 80 x 40 x 4, M16 tapped	sh 19	6
19	Levelling foot Ø60, M16 (bought-out)	sh 20	6
20	Lower tie, 80x40 alu profile x 520 lg	sh 21	2

NOTES

1. Belt 500 wide, top 750 above floor; drums Ø100 at 1900 centres. Frame 80x40 aluminium profile, top 736; 3 leg pairs at 284, 1000, 1716 from the drive end.
2. Drive -X end, -Y side: shaft-mounted gearmotor (size ASSUMED). Tension: screw blocks, +X end.
3. ASSUMED = to be confirmed before manufacture.
4. Frame joints: 40x80 profile angle brackets, M8 button heads, T-slot nuts.
5. All dimensions mm. Do not scale.
6. Detail of every item on the following sheets.
7. Geometry projected from the STEP model (same file).

PARAMETERS (from cell builder)

length	2000
width	600
height	750

Path2

path2.io · generated from cell builder parameters

BELT CONVEYOR

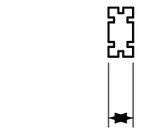
GENERAL ARRANGEMENT

CONCEPT – VERIFY BEFORE MANUFACTURE

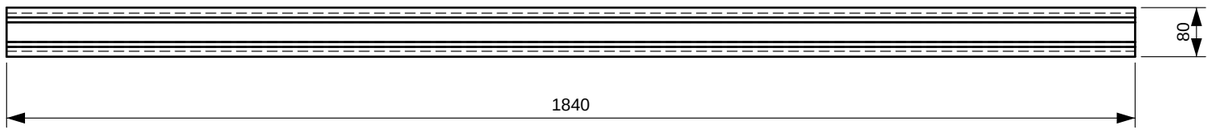
DRAWING NO	**P2-BELT-2000X600X750**
SCALE	**1:20 @ A3**
UNITS	**mm Third angle**
FINISH	**Clear anodised alu / zinc**
DATE	**2026-11-26**
SHEET	**1 of 21**



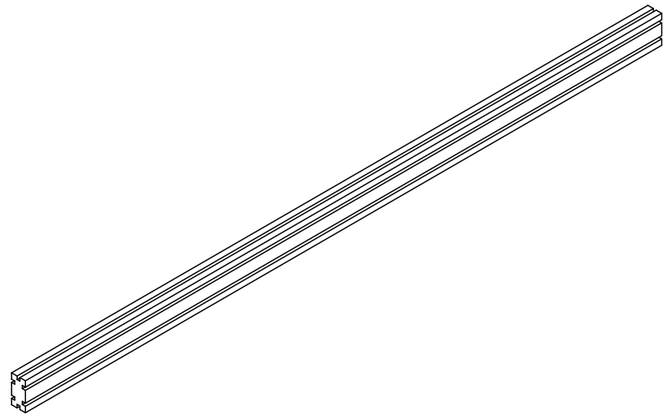
PLAN VIEW



END VIEW (FROM LEFT)



FRONT VIEW



ISOMETRIC VIEW (NOT TO SCALE)

NOTES

1. Stops 30 short of each drum centre; housings bolt to its outer face.
2. Ends cut square, deburred. 2 off.
3. Deburr all edges. Dimensions mm. Do not scale.

QTY PER ASSEMBLY	2
STOCK	80x40 aluminium profile, 8 mm slot
MATERIAL	Aluminium 6063-T6 extrusion, 80x40 profile
FINISH	Clear anodised aluminium extrusion (as supplied)

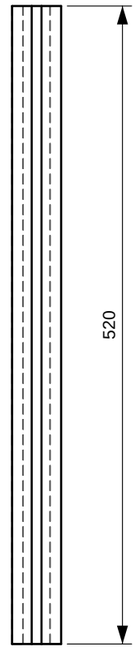
Path2 path2.io · generated from cell builder parameters

ITEM 1: SIDE EXTRUSION, 80X40 ALU PROFILE X 1840 LG

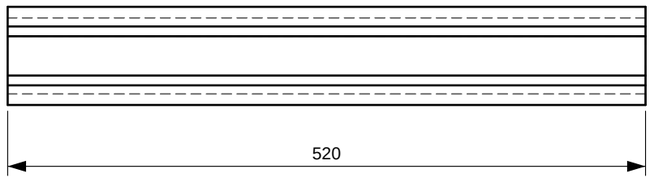
Belt conveyor – detail

CONCEPT – VERIFY BEFORE MANUFACTURE

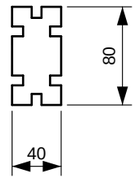
DRAWING NO	**P2-BELT-2000X600X750/01**
SCALE	**1:10 @ A3**
UNITS	**mm Third angle**
FINISH	**Clear anodised**
DATE	**2026-11-26**
SHEET	**2 of 21**



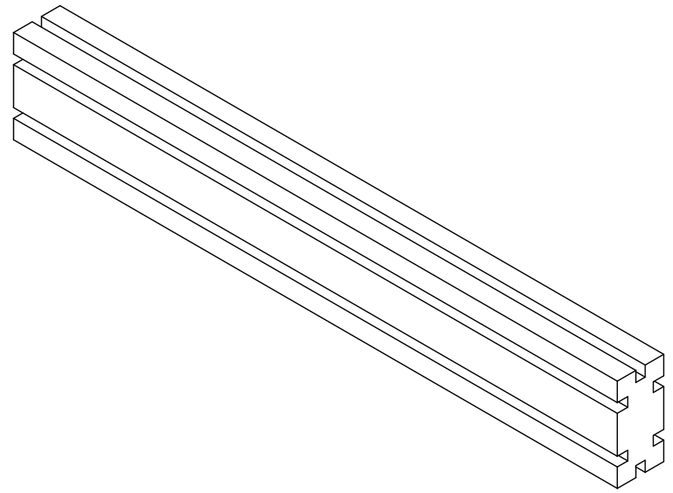
PLAN VIEW



END VIEW (FROM LEFT)



FRONT VIEW



ISOMETRIC VIEW (NOT TO SCALE)

NOTES

1. Between the side extrusions, tops flush. Centres 160, 720, 1280, 1840 from the drive end.
2. Fixed with 2x 40x80 angle brackets each end, M8 T-slot nuts.
3. Deburr all edges. Dimensions mm. Do not scale.

QTY PER ASSEMBLY	4
STOCK	80x40 aluminium profile, 8 mm slot
MATERIAL	Aluminium 6063-T6 extrusion, 80x40 profile
FINISH	Clear anodised aluminium extrusion (as supplied)

Path2

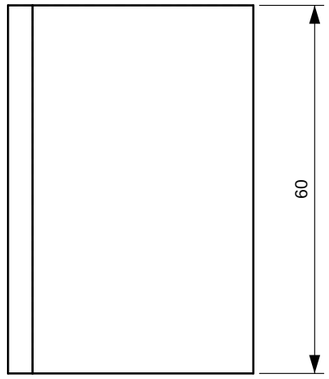
path2.io · generated from cell builder parameters

ITEM 2: CROSS MEMBER, 80X40 ALU PROFILE X 520 LG

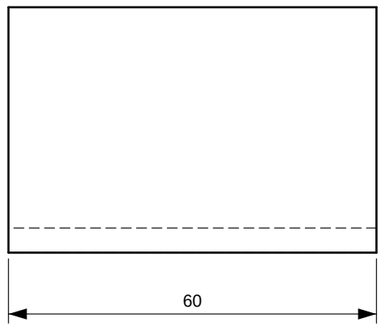
Belt conveyor – detail

CONCEPT – VERIFY BEFORE MANUFACTURE

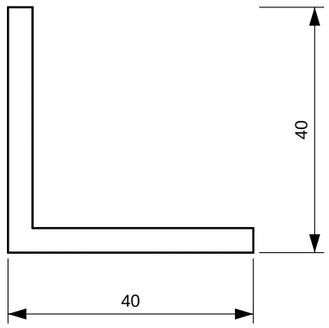
DRAWING NO	**P2-BELT-2000X600X750/02**
SCALE	**1:5 @ A3**
UNITS	**mm Third angle**
FINISH	**Clear anodised**
DATE	**2026-11-26**
SHEET	**3 of 21**



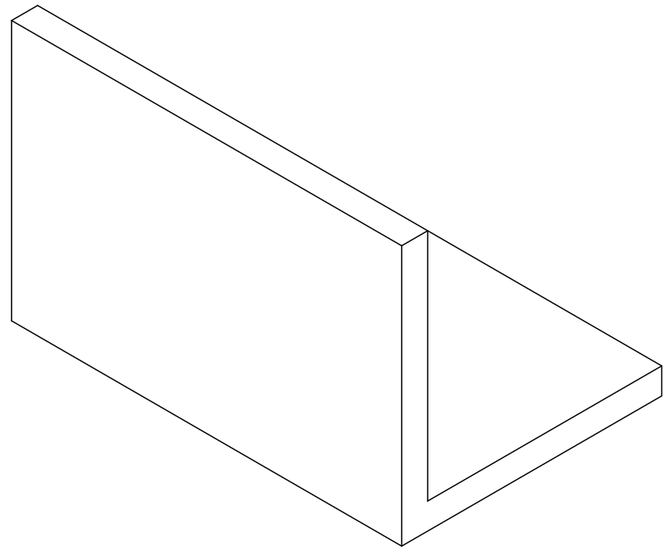
PLAN VIEW



END VIEW (FROM LEFT)



FRONT VIEW



ISOMETRIC VIEW (NOT TO SCALE)

NOTES

1. Under each cross member end, both faces. M8 button head + T-slot nut.
2. Deburr all edges. Dimensions mm. Do not scale.

QTY PER ASSEMBLY	16
STOCK	Bought-out: 40x80 profile angle bracket, M8 fixings
MATERIAL	Die-cast aluminium
FINISH	As supplied

Path2 path2.io · generated from cell builder parameters

ITEM 3: ANGLE BRACKET 40X80 (BOUGHT-OUT)

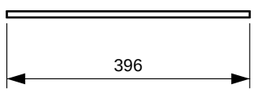
Belt conveyor – detail

CONCEPT – VERIFY BEFORE MANUFACTURE

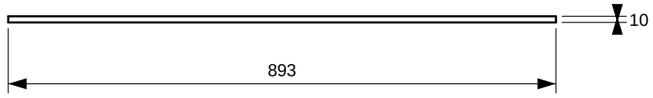
DRAWING NO	**P2-BELT-2000X600X750/03**
SCALE	**1:1 @ A3**
UNITS	**mm Third angle**
FINISH	**As supplied**
DATE	**2026-11-26**
SHEET	**4 of 21**



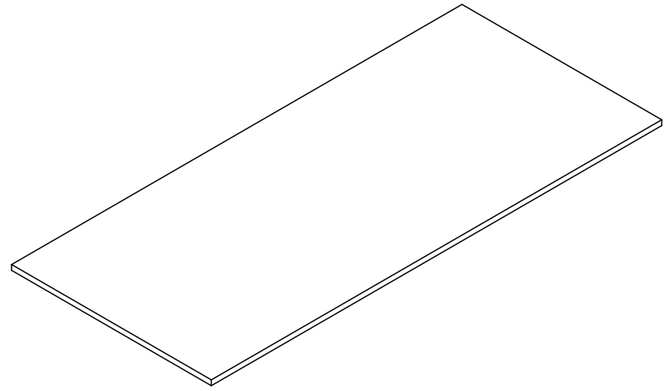
PLAN VIEW



END VIEW (FROM LEFT)



FRONT VIEW



ISOMETRIC VIEW (NOT TO SCALE)

NOTES

1. M8 countersunk into the cross member slots, heads below the surface.
2. 2 panels, joints on a cross member.
3. Deburr all edges. Dimensions mm. Do not scale.

QTY PER ASSEMBLY	2
STOCK	Plywood 10 thk, friction bed
MATERIAL	Birch plywood
FINISH	Sealed, top face smooth

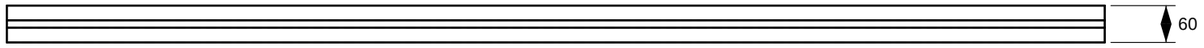
Path2 path2.io · generated from cell builder parameters

ITEM 4: BED PANEL, PLYWOOD 893 X 396 X 10

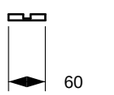
Belt conveyor – detail

CONCEPT – VERIFY BEFORE MANUFACTURE

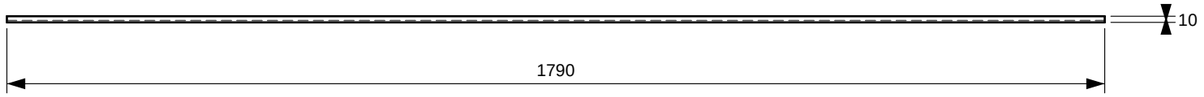
DRAWING NO	**P2-BELT-2000X600X750/04**
SCALE	**1:10 @ A3**
UNITS	**mm Third angle**
FINISH	**Sealed**
DATE	**2026-11-26**
SHEET	**5 of 21**



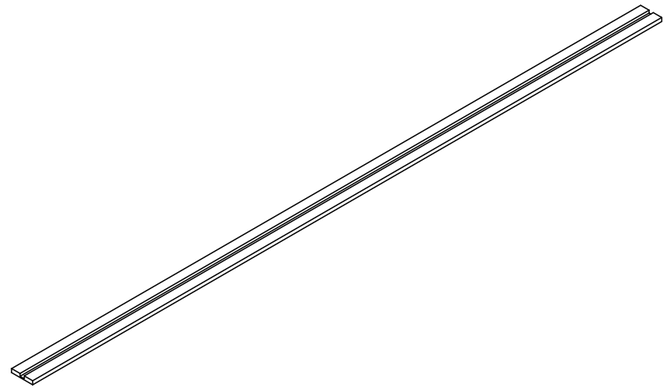
PLAN VIEW



END VIEW (FROM LEFT)



FRONT VIEW



ISOMETRIC VIEW (NOT TO SCALE)

NOTES

1. V groove 12 wide x 8 deep under the belt's K10 guide.
2. Either side of the bed, M8 button heads into the cross member slots.
3. Deburr all edges. Dimensions mm. Do not scale.

QTY PER ASSEMBLY	2
STOCK	Nylon 6 sheet 10 thk
MATERIAL	Nylon 6
FINISH	As machined

Path2

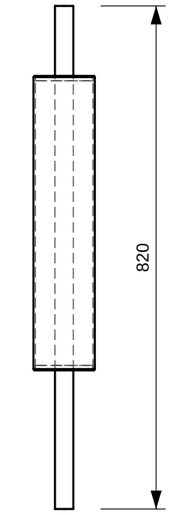
path2.io · generated from cell builder parameters

ITEM 5: TRACKING STRIP, NYLON 1790 X 60 X 10

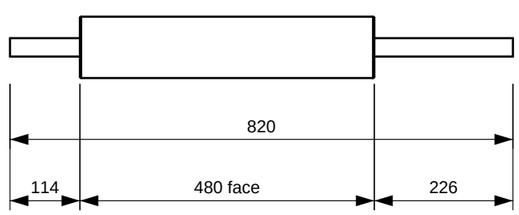
Belt conveyor – detail

CONCEPT – VERIFY BEFORE MANUFACTURE

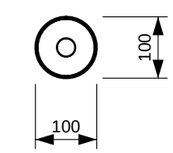
DRAWING NO	**P2-BELT-2000X600X750/05**
SCALE	**1:10 @ A3**
UNITS	**mm Third angle**
FINISH	**As machined**
DATE	**2026-11-26**
SHEET	**6 of 21**



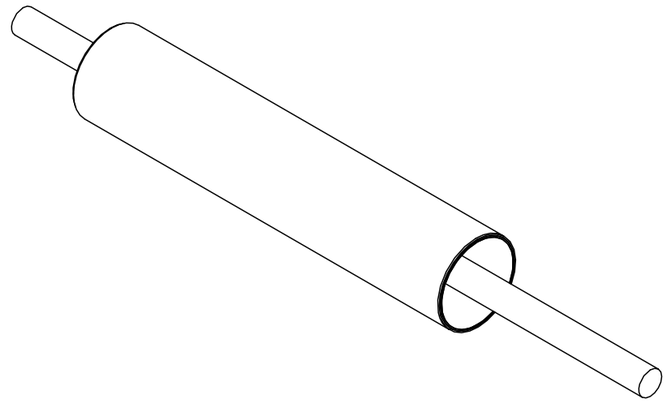
PLAN VIEW



END VIEW (FROM LEFT)



FRONT VIEW



ISOMETRIC VIEW (NOT TO SCALE)

NOTES

1. Face = belt 500 - 20.
2. Drive stub 226 from the tube (gearmotor hollow shaft, shrink disc); idle stub 114.
3. Deburr all edges. Dimensions mm. Do not scale.

QTY PER ASSEMBLY	1
STOCK	Tube Ø100 x 3.2, shaft Ø30
MATERIAL	Mild steel
FINISH	Mild steel, bright zinc plated

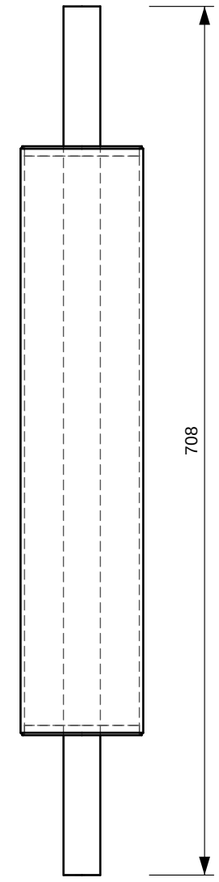
Path2 path2.io · generated from cell builder parameters

ITEM 6: DRIVE DRUM Ø100 X 480 FACE, SHAFT Ø30 X 820

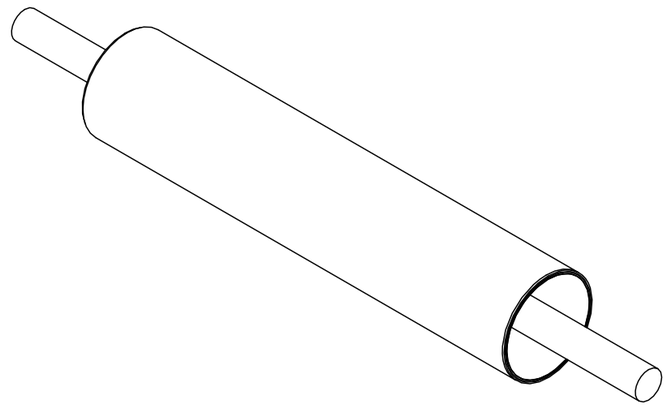
Belt conveyor – detail

CONCEPT – VERIFY BEFORE MANUFACTURE

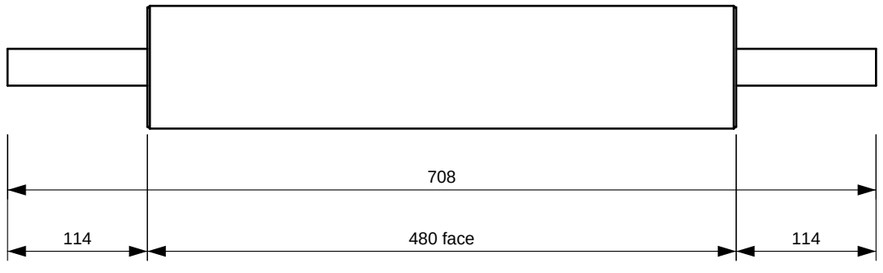
DRAWING NO	**P2-BELT-2000X600X750/06**
SCALE	**1:10 @ A3**
UNITS	**mm Third angle**
FINISH	**Bright zinc**
DATE	**2026-11-26**
SHEET	**7 of 21**



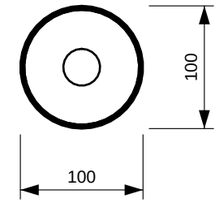
PLAN VIEW



ISOMETRIC VIEW (NOT TO SCALE)



END VIEW (FROM LEFT)



FRONT VIEW

NOTES

1. Stubs 114 each end. Huco locking collar both ends.
2. Deburr all edges. Dimensions mm. Do not scale.

QTY PER ASSEMBLY	1
STOCK	Tube Ø100 x 3.2, shaft Ø30
MATERIAL	Mild steel
FINISH	Mild steel, bright zinc plated

Path2

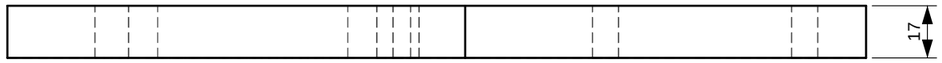
path2.io · generated from cell builder parameters

ITEM 7: IDLE DRUM Ø100 X 480 FACE, SHAFT Ø30 X 708

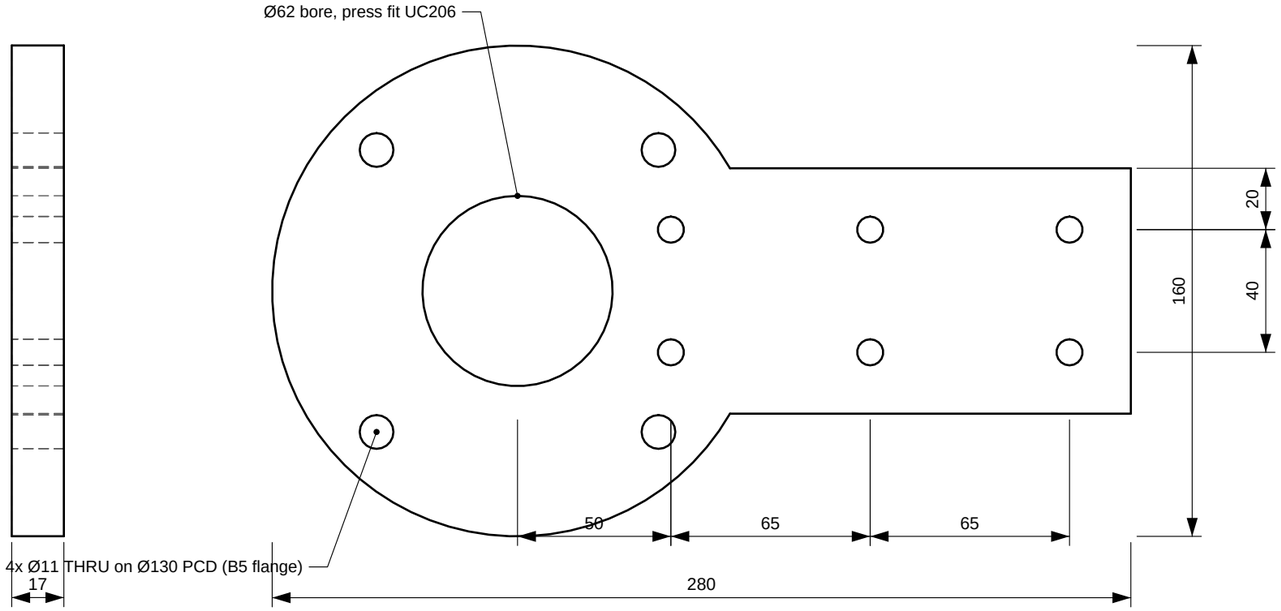
Belt conveyor – detail

CONCEPT – VERIFY BEFORE MANUFACTURE

DRAWING NO	**P2-BELT-2000X600X750/07**
SCALE	**1:5 @ A3**
UNITS	**mm Third angle**
FINISH	**Bright zinc**
DATE	**2026-11-26**
SHEET	**8 of 21**

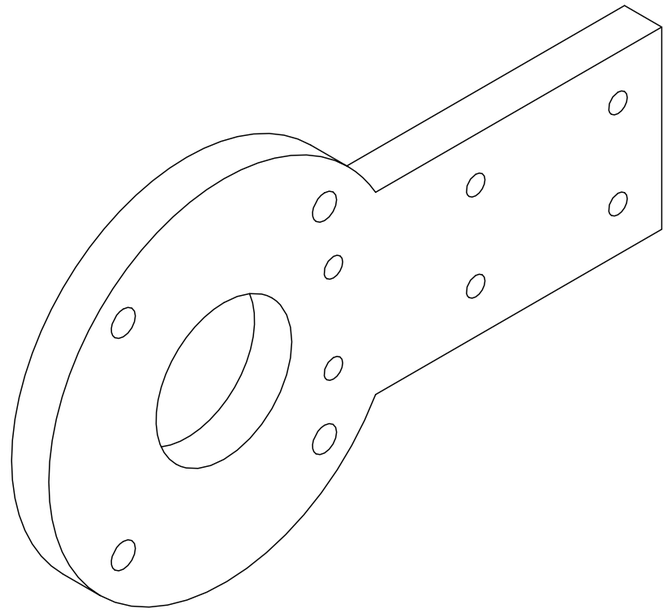


PLAN VIEW



END VIEW (FROM LEFT)

FRONT VIEW



ISOMETRIC VIEW (NOT TO SCALE)

NOTES

1. Ø62 bore, press fit to suit UC206 insert.
2. 6x Ø8.5 THRU on the straight part (columns 50 / 115 / 180, rows 20 / 60).
3. 4x Ø11 on the Ø130 PCD for the gearmotor B5 flange via the spacer.
4. Deburr all edges. Dimensions mm. Do not scale.

QTY PER ASSEMBLY	1
STOCK	Plate 17 thk
MATERIAL	Mild steel
FINISH	Mild steel, bright zinc plated

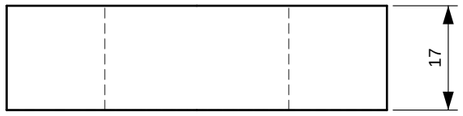
Path2 path2.io · generated from cell builder parameters

ITEM 8: DRIVE BEARING HOUSING 280 X 160 X 17

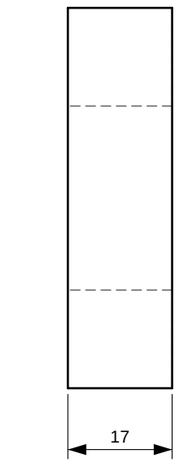
Belt conveyor – detail

CONCEPT – VERIFY BEFORE MANUFACTURE

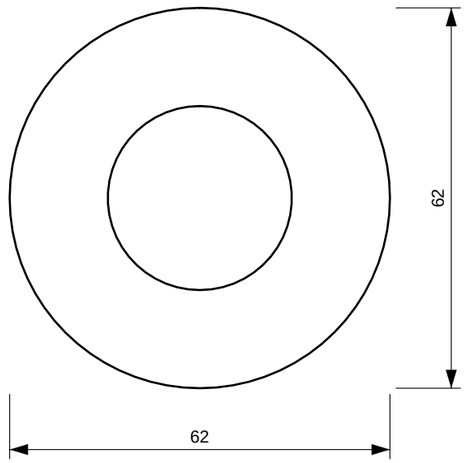
DRAWING NO	**P2-BELT-2000X600X750/08**
SCALE	**1:2 @ A3**
UNITS	**mm Third angle**
FINISH	**Bright zinc**
DATE	**2026-11-26**
SHEET	**9 of 21**



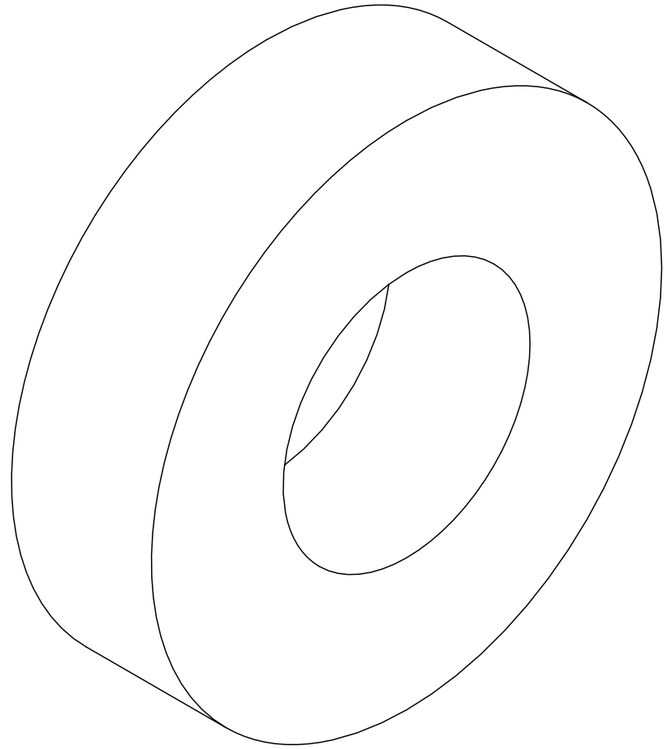
PLAN VIEW



END VIEW (FROM LEFT)



FRONT VIEW



ISOMETRIC VIEW (NOT TO SCALE)

NOTES

1. With Huco locking collar on the shaft.
2. Deburr all edges. Dimensions mm. Do not scale.

QTY PER ASSEMBLY	4
STOCK	Bought-out: UC206 insert bearing
MATERIAL	S275JR steel (assumed)
FINISH	Bright zinc plated (bought-out, not powder coated)

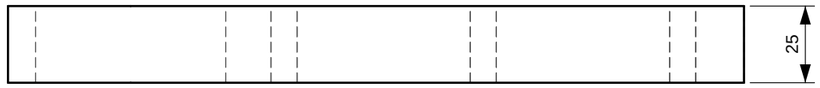
Path2 path2.io · generated from cell builder parameters

ITEM 9: BEARING INSERT UC206, 30 X 62 X 17 (BOUGHT-OUT)

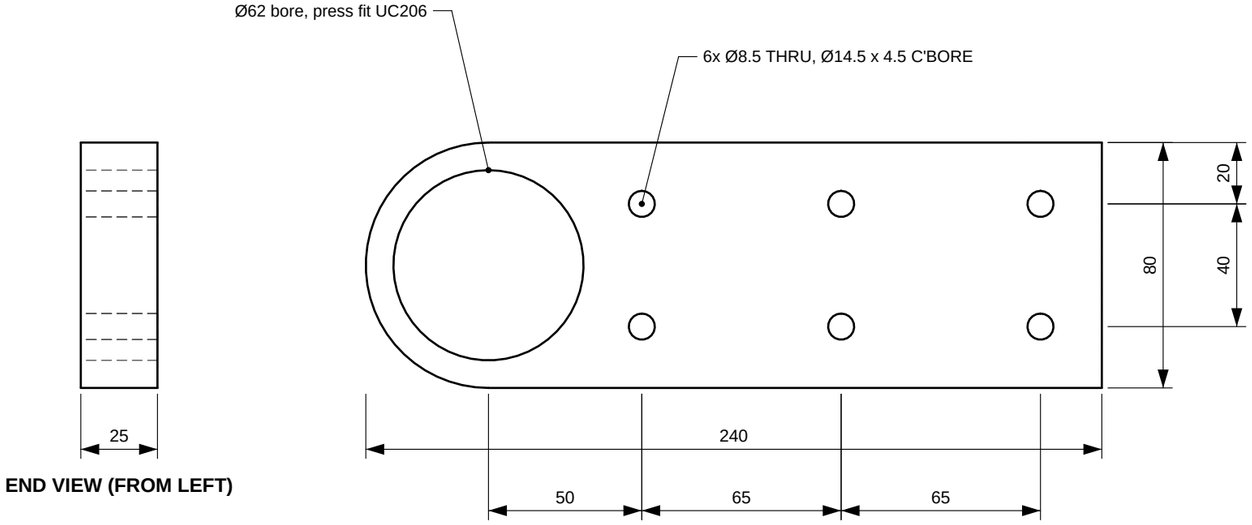
Belt conveyor – detail

CONCEPT – VERIFY BEFORE MANUFACTURE

DRAWING NO	**P2-BELT-2000X600X750/09**
SCALE	**1:1 @ A3**
UNITS	**mm Third angle**
FINISH	**Zinc / bought-out**
DATE	**2026-11-26**
SHEET	**10 of 21**

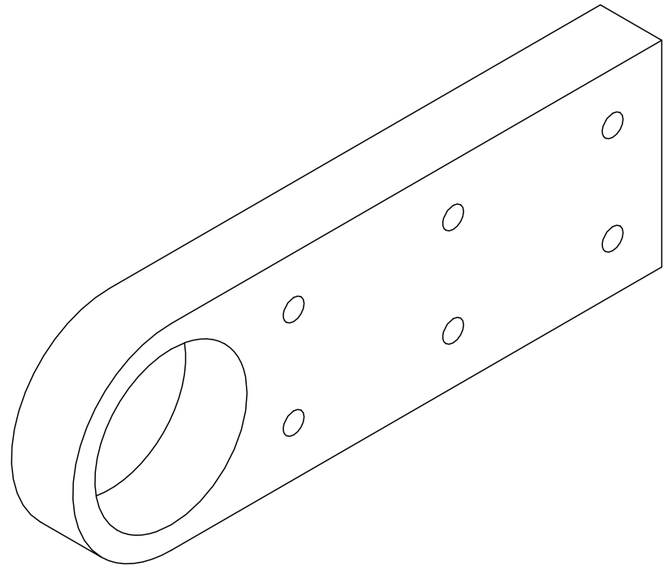


PLAN VIEW



END VIEW (FROM LEFT)

FRONT VIEW



ISOMETRIC VIEW (NOT TO SCALE)

NOTES

1. Ø62 bore, press fit to suit UC206 insert.
2. 6x Ø8.5 THRU, Ø14.5 x 4.5 counterbore, for M8 button heads into the slots.
3. Tail housings slide in the slots for belt tension.
4. Deburr all edges. Dimensions mm. Do not scale.

QTY PER ASSEMBLY	3
STOCK	Aluminium plate 25 thk
MATERIAL	Aluminium 6082-T6
FINISH	As machined

Path2 path2.io · generated from cell builder parameters

ITEM 10: IDLE BEARING HOUSING 240 X 80 X 25

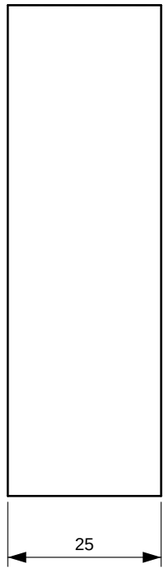
Belt conveyor – detail

CONCEPT – VERIFY BEFORE MANUFACTURE

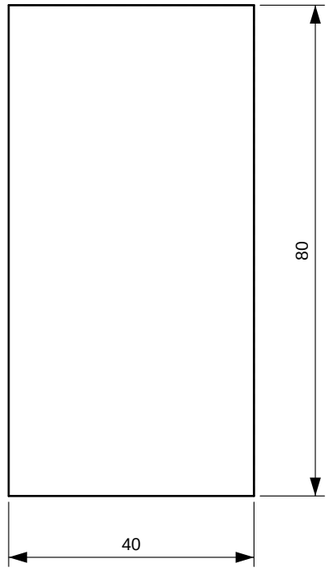
DRAWING NO	**P2-BELT-2000X600X750/10**
SCALE	**1:2 @ A3**
UNITS	**mm Third angle**
FINISH	**As machined**
DATE	**2026-11-26**
SHEET	**11 of 21**



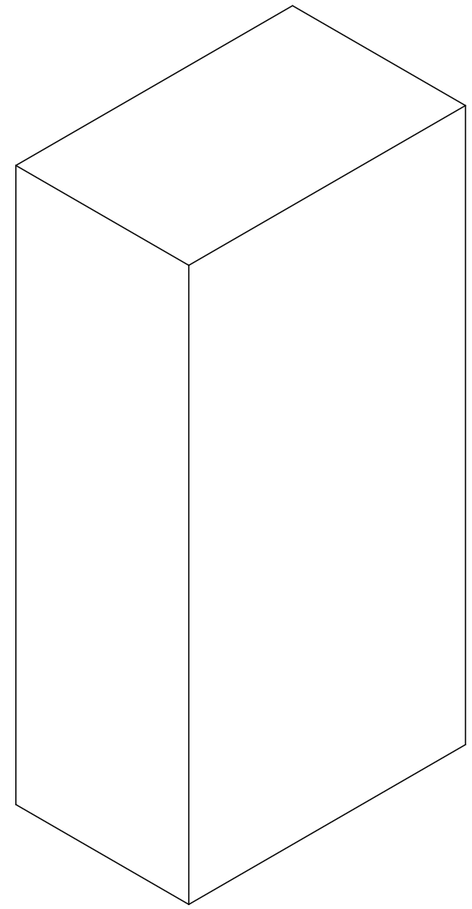
PLAN VIEW



END VIEW (FROM LEFT)



FRONT VIEW



ISOMETRIC VIEW (NOT TO SCALE)

NOTES

1. M8 tapped through, along the conveyor: screw pushes the tail housing.
2. 2x Ø9 THRU to the side extrusion slots, M8 + T-slot nuts.
3. Deburr all edges. Dimensions mm. Do not scale.

QTY PER ASSEMBLY	2
STOCK	Mild steel bar
MATERIAL	Mild steel
FINISH	Mild steel, bright zinc plated

Path2

path2.io · generated from cell builder parameters

ITEM 11: TENSIONER BLOCK 40 X 25 X 80

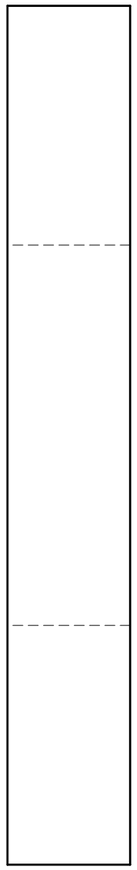
Belt conveyor – detail

CONCEPT – VERIFY BEFORE MANUFACTURE

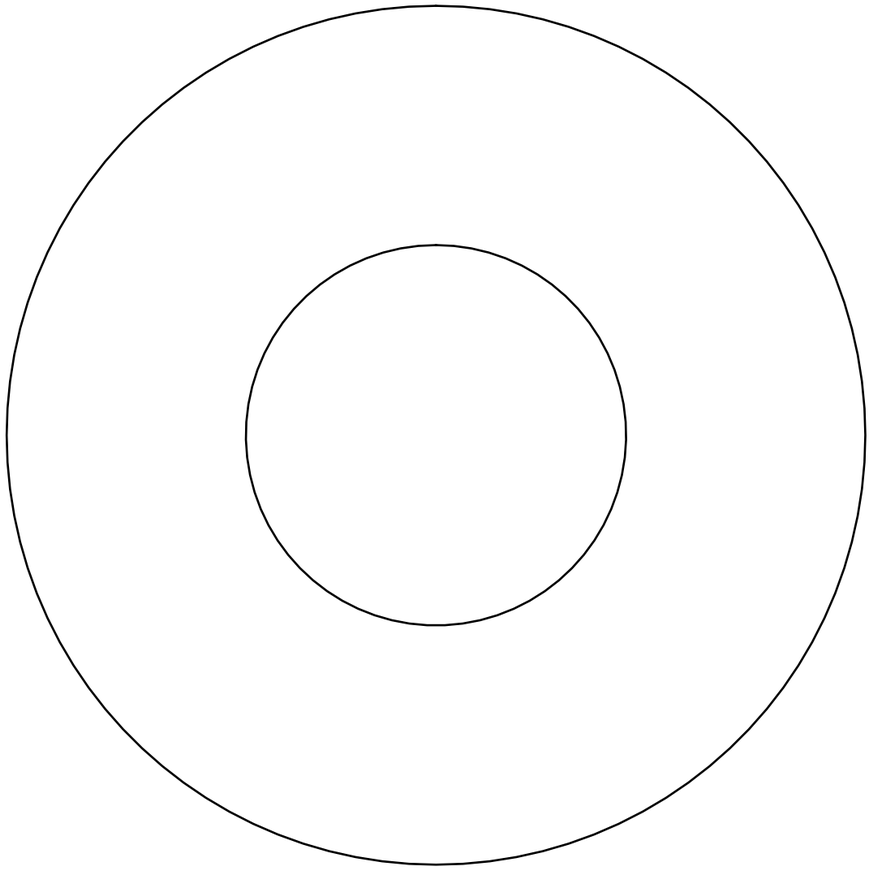
DRAWING NO	**P2-BELT-2000X600X750/11**
SCALE	**1:1 @ A3**
UNITS	**mm Third angle**
FINISH	**Bright zinc**
DATE	**2026-11-26**
SHEET	**12 of 21**



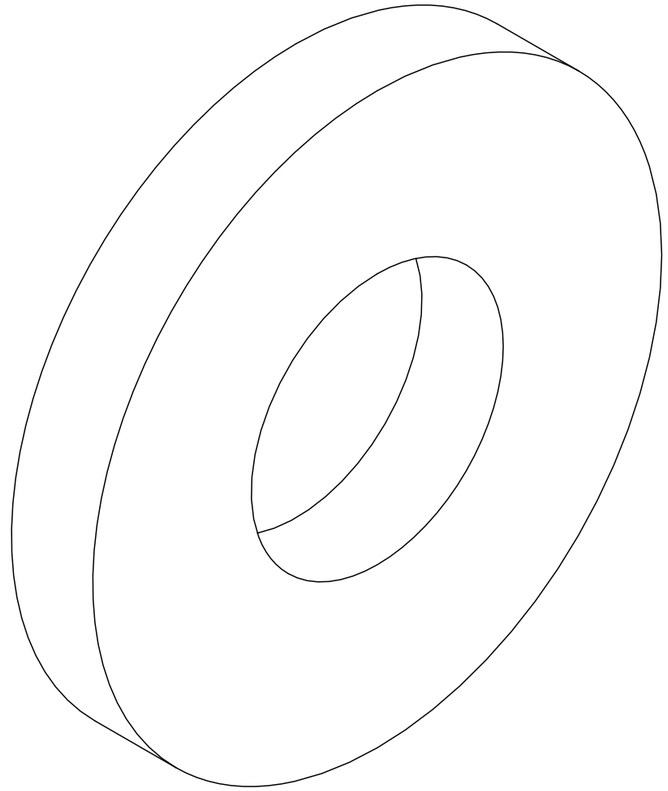
PLAN VIEW



END VIEW (FROM LEFT)



FRONT VIEW



ISOMETRIC VIEW (NOT TO SCALE)

NOTES

1. To suit the gearmotor B5 flange. Size ASSUMED: to suit motor.
2. Deburr all edges. Dimensions mm. Do not scale.

QTY PER ASSEMBLY	1
STOCK	Mild steel bar
MATERIAL	Mild steel
FINISH	Mild steel, bright zinc plated

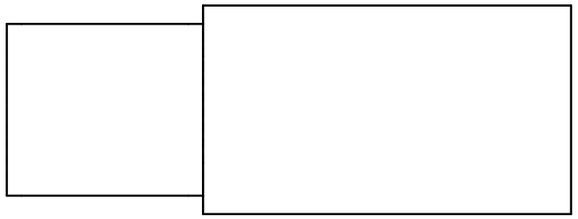
Path2 path2.io · generated from cell builder parameters

ITEM 12: MOTOR SPACER Ø140 X 20

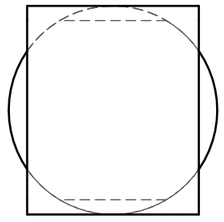
Belt conveyor – detail

CONCEPT – VERIFY BEFORE MANUFACTURE

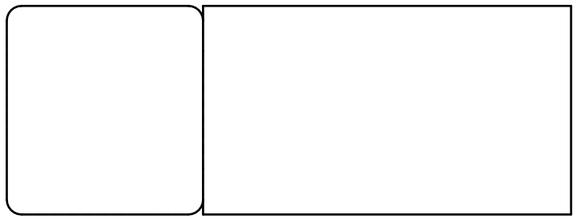
DRAWING NO	**P2-BELT-2000X600X750/12**
SCALE	**1:1 @ A3**
UNITS	**mm Third angle**
FINISH	**Bright zinc**
DATE	**2026-11-26**
SHEET	**13 of 21**



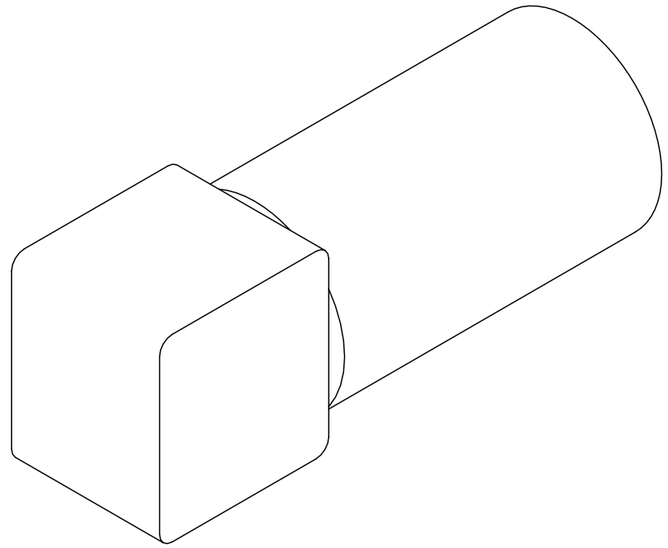
PLAN VIEW



END VIEW (FROM LEFT)



FRONT VIEW



ISOMETRIC VIEW (NOT TO SCALE)

NOTES

1. Envelope ASSUMED: size and ratio to suit belt speed and load.
2. Deburr all edges. Dimensions mm. Do not scale.

QTY PER ASSEMBLY	1
STOCK	Bought-out: helical-worm gearmotor, hollow shaft + shrink disc (e.g. SA57 class)
MATERIAL	S275JR steel (assumed)
FINISH	As supplied

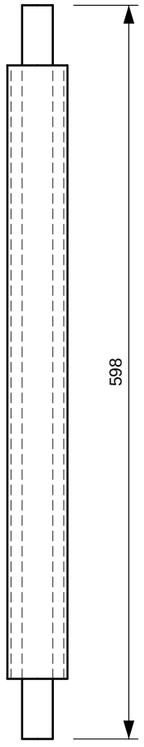
Path2 path2.io · generated from cell builder parameters

ITEM 13: SHAFT-MOUNTED GEARMOTOR, HOLLOW SHAFT Ø30 (BOUGHT

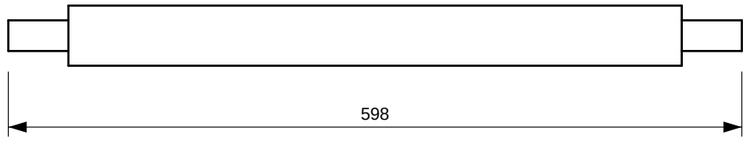
Belt conveyor – detail

CONCEPT – VERIFY BEFORE MANUFACTURE

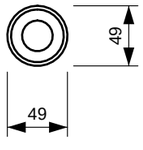
DRAWING NO	**P2-BELT-2000X600X750/13**
SCALE	**1:5 @ A3**
UNITS	**mm Third angle**
FINISH	**As supplied**
DATE	**2026-11-26**
SHEET	**14 of 21**



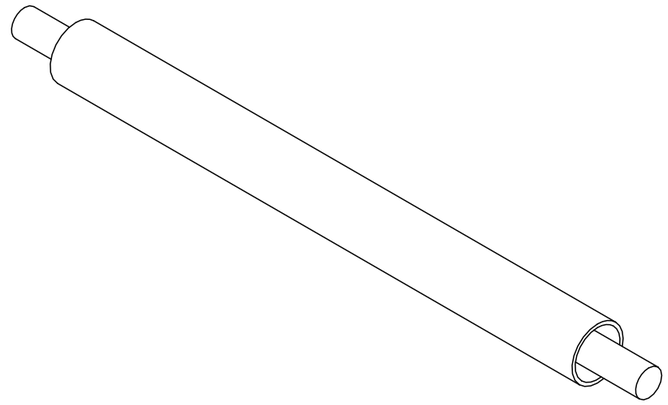
PLAN VIEW



END VIEW (FROM LEFT)



FRONT VIEW



ISOMETRIC VIEW (NOT TO SCALE)

NOTES

1. Shell zinc plated, end caps. Under the return run.
2. Deburr all edges. Dimensions mm. Do not scale.

QTY PER ASSEMBLY	1
STOCK	Tube Ø49, shaft Ø25
MATERIAL	Mild steel
FINISH	Mild steel, bright zinc plated

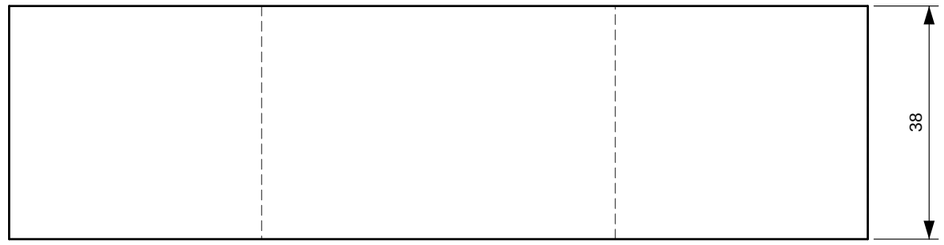
Path2 path2.io · generated from cell builder parameters

ITEM 14: RETURN IDLER Ø49 X 500, SHAFT Ø25

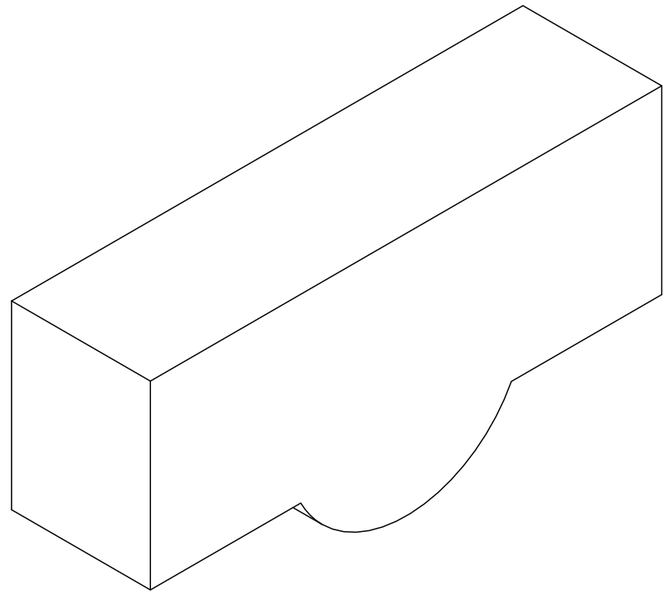
Belt conveyor – detail

CONCEPT – VERIFY BEFORE MANUFACTURE

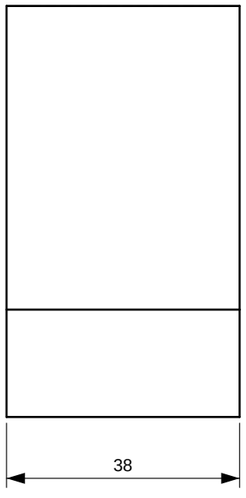
DRAWING NO	**P2-BELT-2000X600X750/14**
SCALE	**1:5 @ A3**
UNITS	**mm Third angle**
FINISH	**Bright zinc**
DATE	**2026-11-26**
SHEET	**15 of 21**



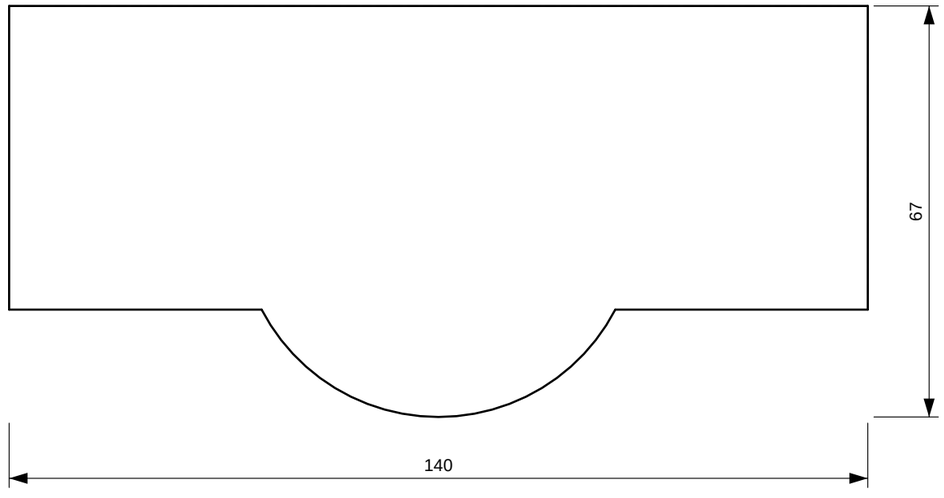
PLAN VIEW



ISOMETRIC VIEW (NOT TO SCALE)



END VIEW (FROM LEFT)



FRONT VIEW

NOTES

1. Hung under the side extrusion, M8 + T-slot nuts + washers.
2. Deburr all edges. Dimensions mm. Do not scale.

QTY PER ASSEMBLY	2
STOCK	Bought-out: UCP205
MATERIAL	S275JR steel (assumed)
FINISH	As supplied

Path2 path2.io · generated from cell builder parameters

ITEM 15: PILLOW BLOCK BEARING UCP205, 25 BORE (BOUGHT-OUT)

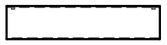
Belt conveyor – detail

CONCEPT – VERIFY BEFORE MANUFACTURE

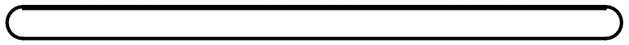
DRAWING NO	**P2-BELT-2000X600X750/15**
SCALE	**1:1 @ A3**
UNITS	**mm Third angle**
FINISH	**As supplied**
DATE	**2026-11-26**
SHEET	**16 of 21**



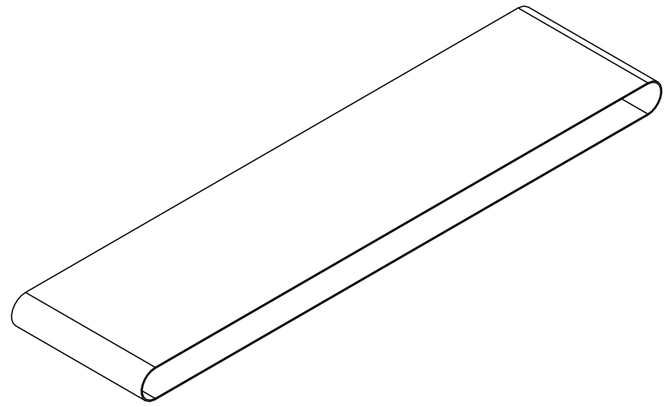
PLAN VIEW



END VIEW (FROM LEFT)



FRONT VIEW



ISOMETRIC VIEW (NOT TO SCALE)

NOTES

1. Thickness 4 ASSUMED. Length on the drum centres; confirm with the belt supplier.
2. Deburr all edges. Dimensions mm. Do not scale.

QTY PER ASSEMBLY	1
STOCK	Bought-out: conveyor belt, 2-ply, K10 V-guide both edges
MATERIAL	PVC / polyester
FINISH	As supplied

Path2

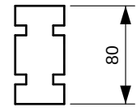
path2.io · generated from cell builder parameters

ITEM 16: BELT 500 WIDE X 4127 ENDLESS, 2-PLY, K10 GUIDE BOTH EDGE

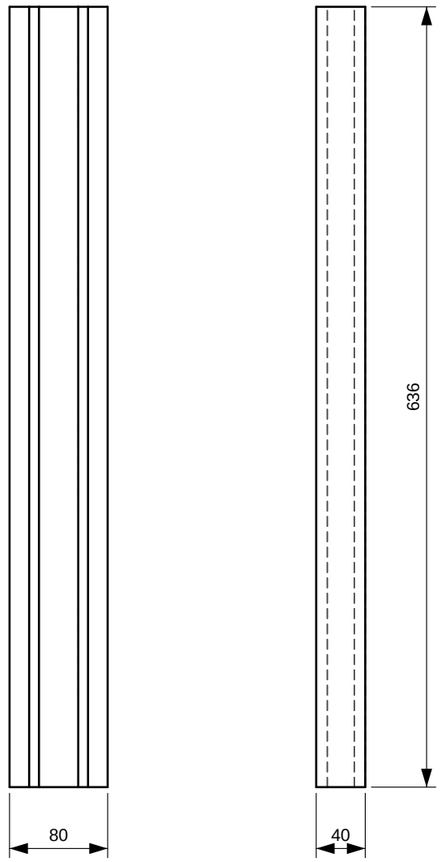
Belt conveyor – detail

CONCEPT – VERIFY BEFORE MANUFACTURE

DRAWING NO	**P2-BELT-2000X600X750/16**
SCALE	**1:20 @ A3**
UNITS	**mm Third angle**
FINISH	**As supplied**
DATE	**2026-11-26**
SHEET	**17 of 21**

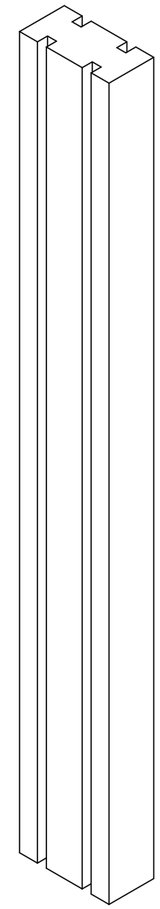


PLAN VIEW



END VIEW (FROM LEFT)

FRONT VIEW



ISOMETRIC VIEW (NOT TO SCALE)

NOTES

1. Length = belt height 750 - belt 4 - bed 10 - frame 80 - foot 20.
2. Under the side extrusion, 2x 40x80 brackets. Centres 284, 1000, 1716 from the drive end.
3. Deburr all edges. Dimensions mm. Do not scale.

QTY PER ASSEMBLY	6
STOCK	80x40 aluminium profile, 8 mm slot
MATERIAL	Aluminium 6063-T6 extrusion, 80x40 profile
FINISH	Clear anodised aluminium extrusion (as supplied)

Path2

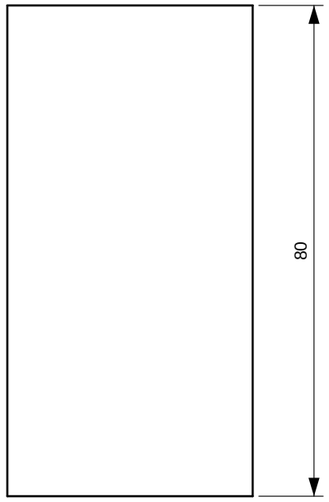
path2.io · generated from cell builder parameters

ITEM 17: LEG, 80X40 ALU PROFILE X 636 LG

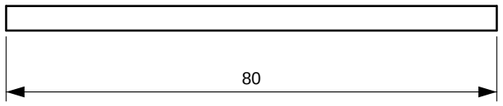
Belt conveyor – detail

CONCEPT – VERIFY BEFORE MANUFACTURE

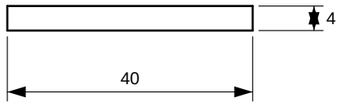
DRAWING NO	**P2-BELT-2000X600X750/17**
SCALE	**1:5 @ A3**
UNITS	**mm Third angle**
FINISH	**Clear anodised**
DATE	**2026-11-26**
SHEET	**18 of 21**



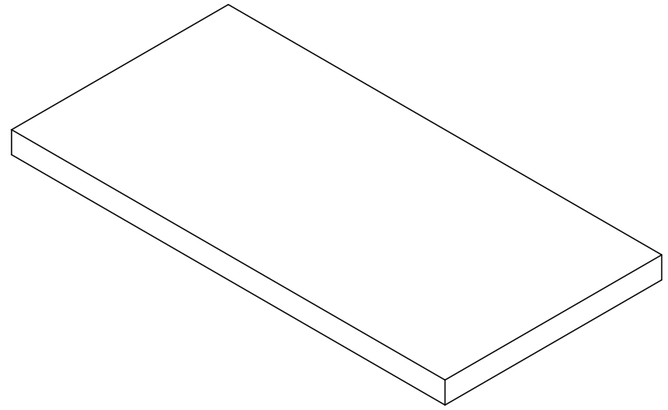
PLAN VIEW



END VIEW (FROM LEFT)



FRONT VIEW



ISOMETRIC VIEW (NOT TO SCALE)

NOTES

1. In the leg end, for the levelling foot.
2. Deburr all edges. Dimensions mm. Do not scale.

QTY PER ASSEMBLY	6
STOCK	Plate 4 thk
MATERIAL	Mild steel
FINISH	Mild steel, bright zinc plated

Path2

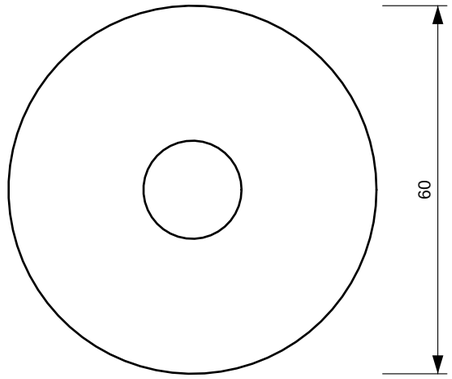
path2.io · generated from cell builder parameters

ITEM 18: FOOT PLATE 80 X 40 X 4, M16 TAPPED

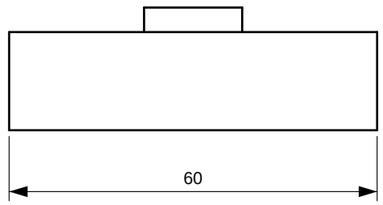
Belt conveyor – detail

CONCEPT – VERIFY BEFORE MANUFACTURE

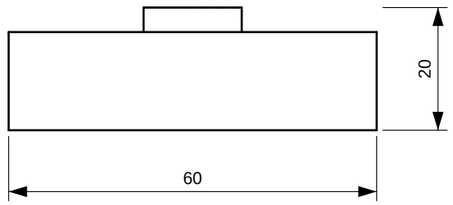
DRAWING NO	**P2-BELT-2000X600X750/18**
SCALE	**1:1 @ A3**
UNITS	**mm Third angle**
FINISH	**Bright zinc**
DATE	**2026-11-26**
SHEET	**19 of 21**



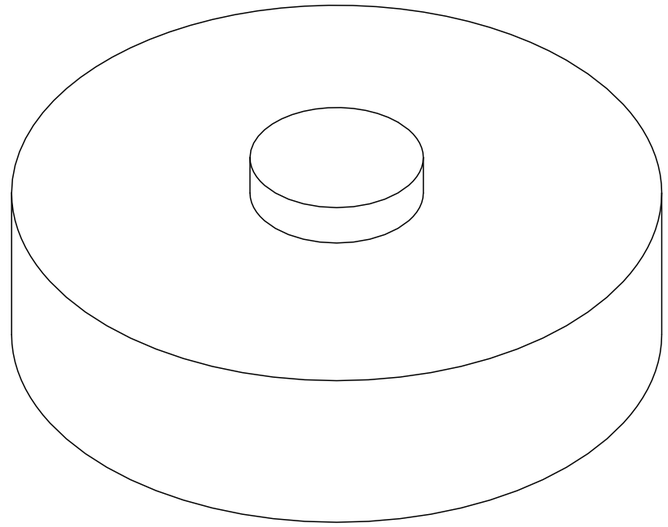
PLAN VIEW



END VIEW (FROM LEFT)



FRONT VIEW



ISOMETRIC VIEW (NOT TO SCALE)

NOTES

1. Set 20 nominal to give the belt height.
2. Deburr all edges. Dimensions mm. Do not scale.

QTY PER ASSEMBLY	6
STOCK	Bought-out: levelling foot M16
MATERIAL	S275JR steel (assumed)
FINISH	Bright zinc plated (bought-out, not powder coated)

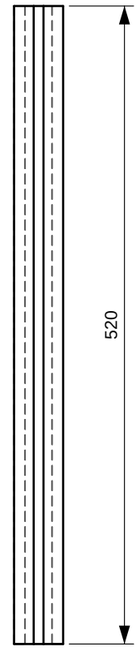
Path2 path2.io · generated from cell builder parameters

ITEM 19: LEVELLING FOOT Ø60, M16 (BOUGHT-OUT)

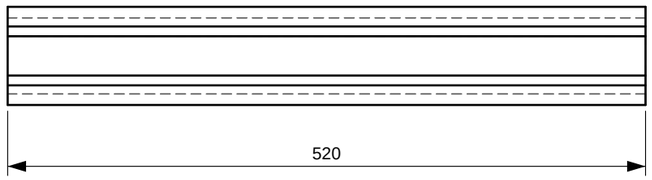
Belt conveyor – detail

CONCEPT – VERIFY BEFORE MANUFACTURE

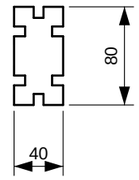
DRAWING NO	**P2-BELT-2000X600X750/19**
SCALE	**1:1 @ A3**
UNITS	**mm Third angle**
FINISH	**Zinc / bought-out**
DATE	**2026-11-26**
SHEET	**20 of 21**



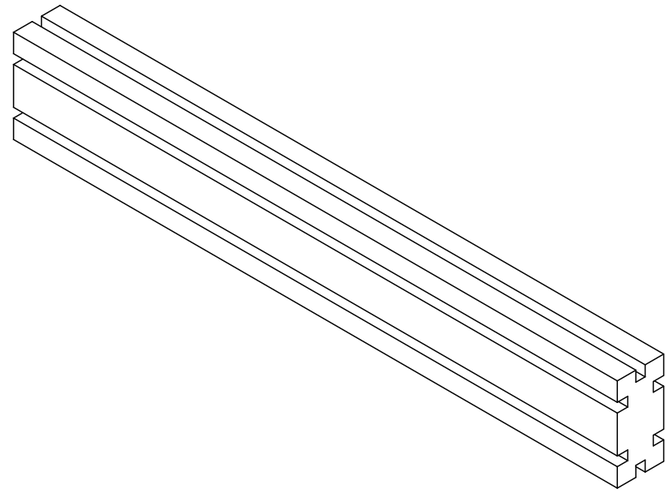
PLAN VIEW



END VIEW (FROM LEFT)



FRONT VIEW



ISOMETRIC VIEW (NOT TO SCALE)

NOTES

1. Across each end leg pair, top 200 above the floor. 40x80 brackets.
2. Deburr all edges. Dimensions mm. Do not scale.

QTY PER ASSEMBLY	2
STOCK	80x40 aluminium profile, 8 mm slot
MATERIAL	Aluminium 6063-T6 extrusion, 80x40 profile
FINISH	Clear anodised aluminium extrusion (as supplied)

Path2 path2.io · generated from cell builder parameters

ITEM 20: LOWER TIE, 80X40 ALU PROFILE X 520 LG

Belt conveyor – detail

CONCEPT – VERIFY BEFORE MANUFACTURE

DRAWING NO	**P2-BELT-2000X600X750/20**
SCALE	**1:5 @ A3**
UNITS	**mm Third angle**
FINISH	**Clear anodised**
DATE	**2026-11-26**
SHEET	**21 of 21**