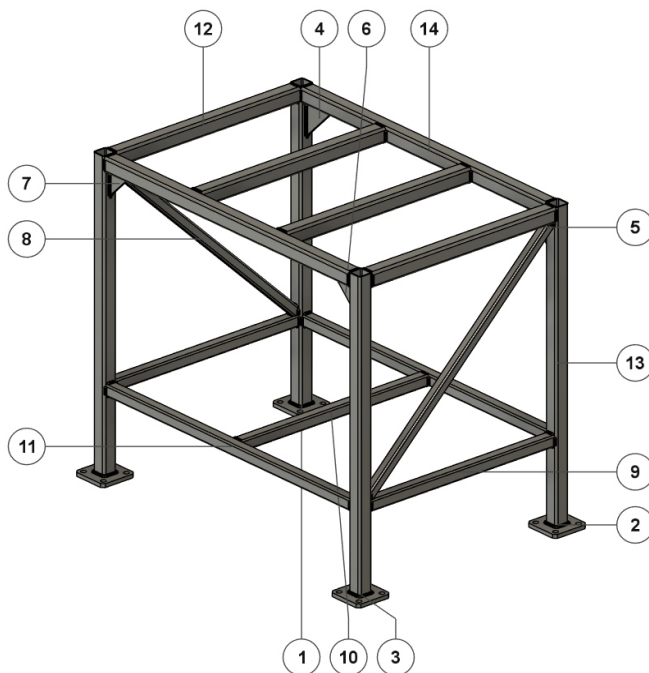


WELDMENT DRAWING

Total: 25 pcs Members: 12253.2 mm Mass: 35.2 kg Surface: 3.17 m²

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Overview (Fusion viewport) - item balloons



Cut list table

ITEM	QTY	TYPE	PROFILE / SIZE	L (mm)	W (mm)	T (mm)	END / DETAILS (FACE 90)
1	1	Base Plate	BasePlate-100x100x10-4xD14-Ch8	100.0	100	10	Base plate: L=100 mm; W=100 mm; T=10 mm; Corner=Chamfer 8 mm Holes: 2 x 2 holes D14; pitch X 70 mm x Y 70 mm; centre-to-edge X 15 mm / Y 15 mm
2	2	Base Plate	BasePlate-100x100x10-4xD14-Ch8	100.0	100	10	Base plate: L=100 mm; W=100 mm; T=10 mm; Corner=Chamfer 8 mm Holes: 2 x 2 holes D14; pitch X 70 mm x Y 70 mm; centre-to-edge X 15 mm / Y 15 mm
3	1	Base Plate	BasePlate-100x100x10-4xD14-Ch8	100.0	100	10	Base plate: L=100 mm; W=100 mm; T=10 mm; Corner=Chamfer 8 mm Holes: 2 x 2 holes D14; pitch X 70 mm x Y 70 mm; centre-to-edge X 15 mm / Y 15 mm
4	1	Gusset	Gusset-01	90.0	90	6	Gusset: Triangular; U=90 mm; V=90 mm; T=6 mm Relief=8 mm; Thickness=Centered; Offset along corner=0 mm
5	1	Gusset	Gusset-02	90.0	90	6	Gusset: Triangular; U=90 mm; V=90 mm; T=6 mm Relief=8 mm; Thickness=Centered; Offset along corner=0 mm
6	1	Gusset	Gusset-03	65.0	65	6	Gusset: Triangular; U=65 mm; V=65 mm; T=6 mm Relief=8 mm; Thickness=Centered; Offset along corner=0 mm
7	1	Gusset	Gusset-04	65.0	65	6	Gusset: Triangular; U=65 mm; V=65 mm; T=6 mm Relief=8 mm; Thickness=Centered; Offset along corner=0 mm
8	2	Member	EN - SHS - SHS 25x25x2	781.6 / 752.9			Cut lengths: long/stock=781.6 mm; short-point=752.9 mm; end offsets=15.3 mm / 13.4 mm
9	2	Member	EN - SHS - SHS 30x30x2	560			90° / 90°
10	1	Member	EN - SHS - SHS 30x30x2	570			90° / 90°
11	2	Member	EN - SHS - SHS 30x30x2	860			90° / 90°
12	4	Member	EN - SHS - SHS 40x40x3	560			90° / 90°
13	4	Member	EN - SHS - SHS 40x40x3	830			90° / 90°
14	2	Member	EN - SHS - SHS 40x40x3	860			90° / 90°

ITEM DETAILS

Total: 25 pcs Members: 12253.2 mm Mass: 35.2 kg Surface: 3.17 m²

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#1 BasePlate-100x100x10-4xD14-Ch8

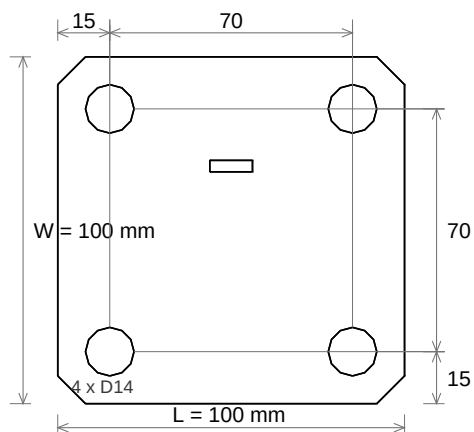
x1

Base plate: L=100 mm; W=100 mm; T=10 mm; Corner=Chamfer 8 mm

Holes: 2 x 2 holes D14; pitch X 70 mm x Y 70 mm; centre-to-edge X 15 mm / Y 15 mm

Mass 0.72 kg/pc; surface 0.024 m²/pc; Steel

Plate outline



T = 10 mm

#2 BasePlate-100x100x10-4xD14-Ch8

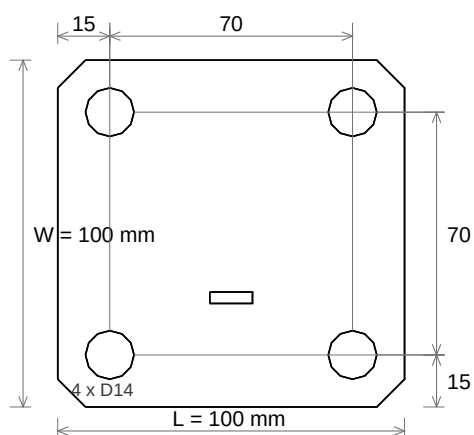
x2

Base plate: L=100 mm; W=100 mm; T=10 mm; Corner=Chamfer 8 mm

Holes: 2 x 2 holes D14; pitch X 70 mm x Y 70 mm; centre-to-edge X 15 mm / Y 15 mm

Mass 0.72 kg/pc; surface 0.024 m²/pc; Steel

Plate outline



T = 10 mm

ITEM DETAILS

Total: 25 pcs Members: 12253.2 mm Mass: 35.2 kg Surface: 3.17 m²

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#3 BasePlate-100x100x10-4xD14-Ch8

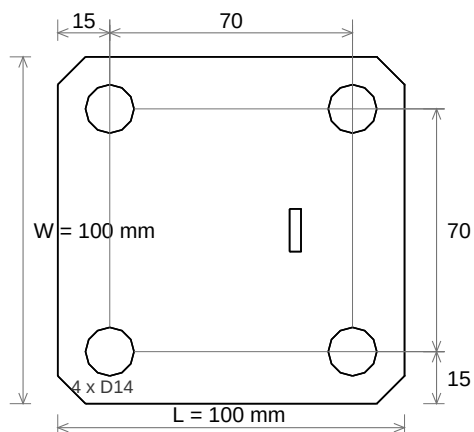
x1

Base plate: L=100 mm; W=100 mm; T=10 mm; Corner=Chamfer 8 mm

Holes: 2 x 2 holes D14; pitch X 70 mm x Y 70 mm; centre-to-edge X 15 mm / Y 15 mm

Mass 0.72 kg/pc; surface 0.024 m²/pc; Steel

Plate outline



T = 10 mm

#4 Gusset-01

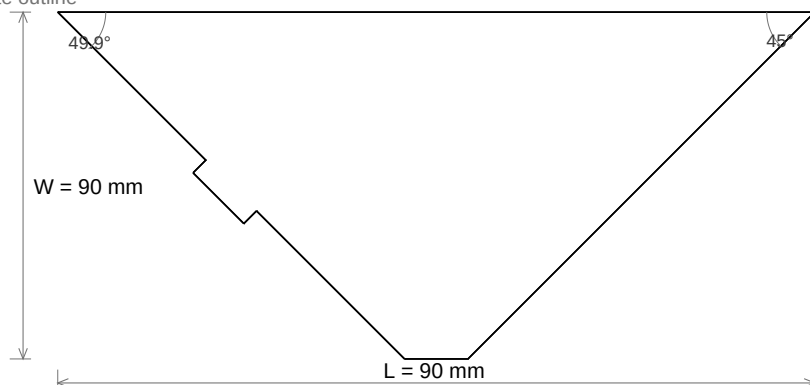
x1

Gusset: Triangular; U=90 mm; V=90 mm; T=6 mm

Relief=8 mm; Thickness=Centered; Offset along corner=0 mm

Mass 0.19 kg/pc; surface 0.010 m²/pc; Steel

Plate outline



T = 6 mm

ITEM DETAILS

Total: 25 pcs Members: 12253.2 mm Mass: 35.2 kg Surface: 3.17 m²

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#5 Gusset-02

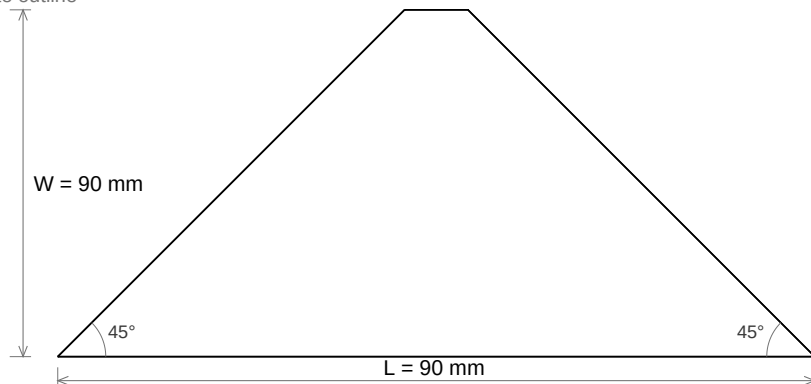
x1

Gusset: Triangular; U=90 mm; V=90 mm; T=6 mm

Relief=8 mm; Thickness=Centered; Offset along corner=0 mm

Mass 0.19 kg/pc; surface 0.010 m²/pc; Steel

Plate outline



T = 6 mm

#6 Gusset-03

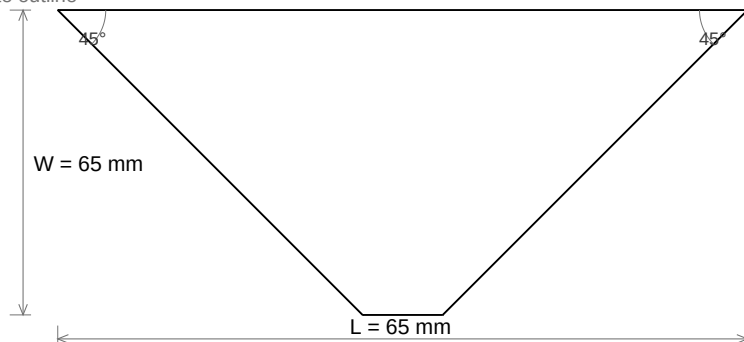
x1

Gusset: Triangular; U=65 mm; V=65 mm; T=6 mm

Relief=8 mm; Thickness=Centered; Offset along corner=0 mm

Mass 0.10 kg/pc; surface 0.005 m²/pc; Steel

Plate outline



T = 6 mm

#7 Gusset-04

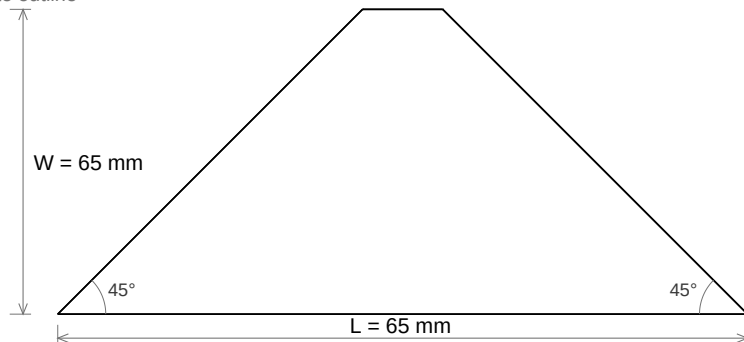
x1

Gusset: Triangular; U=65 mm; V=65 mm; T=6 mm

Relief=8 mm; Thickness=Centered; Offset along corner=0 mm

Mass 0.10 kg/pc; surface 0.005 m²/pc; Steel

Plate outline



T = 6 mm

ITEM DETAILS

Total: 25 pcs Members: 12253.2 mm Mass: 35.2 kg Surface: 3.17 m²

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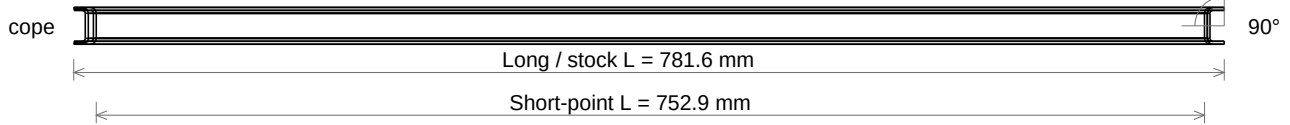
#8 EN - SHS - SHS 25x25x2

x2

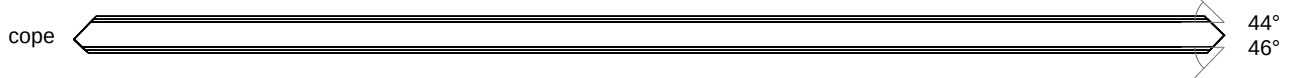
Cut lengths: long/stock=781.6 mm; short-point=752.9 mm; end offsets=15.3 mm / 13.4 mm

Mass 1.04 kg/pc; surface 0.133 m²/pc; Steel

View 1



View 2 (rotated 90°)

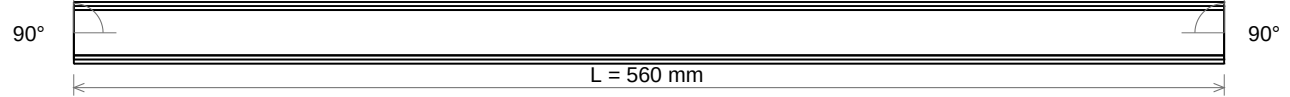


#9 EN - SHS - SHS 30x30x2

x2

Mass 0.94 kg/pc; surface 0.120 m²/pc; Steel

View 1



View 2 (rotated 90°)

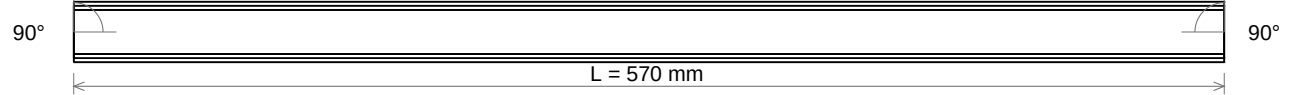


#10 EN - SHS - SHS 30x30x2

x1

Mass 0.96 kg/pc; surface 0.122 m²/pc; Steel

View 1



View 2 (rotated 90°)

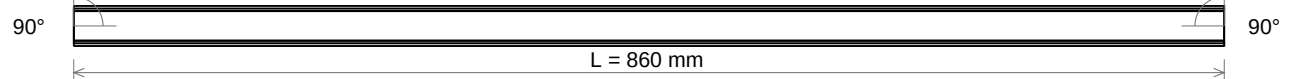


#11 EN - SHS - SHS 30x30x2

x2

Mass 1.44 kg/pc; surface 0.184 m²/pc; Steel

View 1



View 2 (rotated 90°)



ITEM DETAILS

Total: 25 pcs Members: 12253.2 mm Mass: 35.2 kg Surface: 3.17 m²

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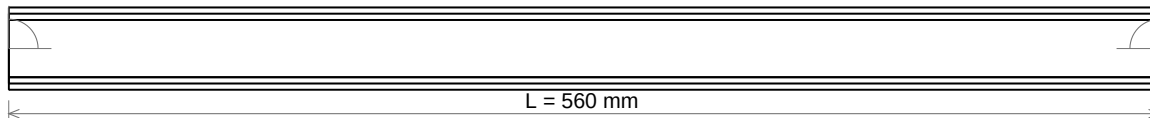
#12 EN - SHS - SHS 40x40x3

x4

Mass 1.85 kg/pc; surface 0.158 m²/pc; Steel

View 1

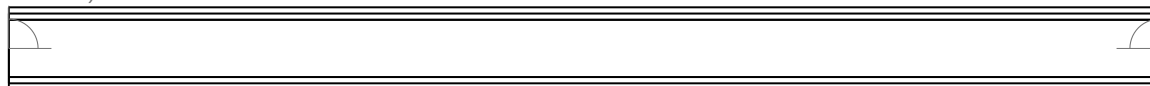
90°



90°

View 2 (rotated 90°)

90°



90°

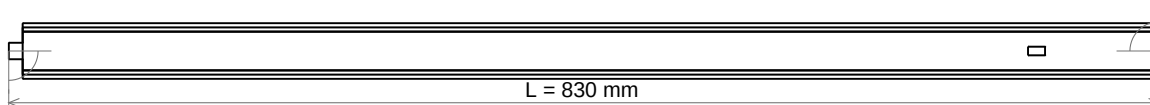
#13 EN - SHS - SHS 40x40x3

x4

Mass 2.71 kg/pc; surface 0.231 m²/pc; Steel

View 1

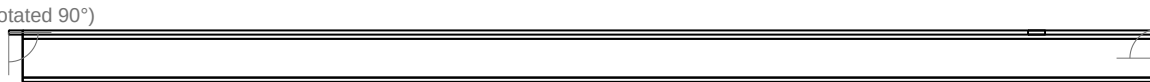
90°



90°

View 2 (rotated 90°)

90°



90°

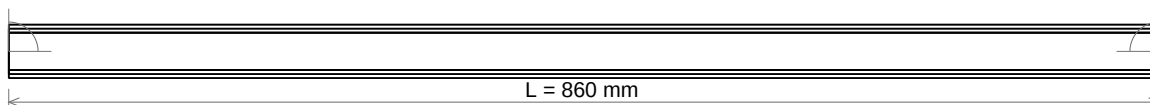
#14 EN - SHS - SHS 40x40x3

x2

Mass 2.84 kg/pc; surface 0.242 m²/pc; Steel

View 1

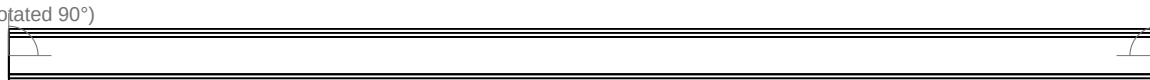
90°



90°

View 2 (rotated 90°)

90°

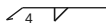
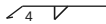
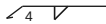
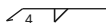
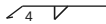
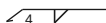
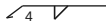


90°

WELD LIST

Total: 25 pcs Members: 12253.2 mm Mass: 35.2 kg Surface: 3.17 m²

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#	WELD	BETWEEN	TYPE / LEG	SYMBOL	LENGTH (mm)	SEGMENTS	MASS (g)	BEADS	a (mm)	t (mm)	NOTES
1	W43	G1-SHS 40x40x3 <-> Base..	Fillet z4 + cap 6	N/A	206	continuous	~16	12 (+50)	N/A	3 / 10	EN 1993-1-8:20..
2	W44	G2-SHS 40x40x3 <-> G1-S..	Fillet z4 + cap 84	N/A	128	continuous	~10	4 (+16)	N/A	3 / 3	EN 1993-1-8:20..
3	W45	G2-SHS 40x40x3 <-> G1-S..	Fillet z4 + cap 56	N/A	92	continuous	~7	3 (+16)	N/A	3 / 3	EN 1993-1-8:20..
4	W46	G3-SHS 30x30x2 <-> G1-S..	Fillet z4	N/A	113	continuous	~9	4 (+25)	N/A	2 / 3	EN 1993-1-8:20..
5	W47	G3-SHS 30x30x2 <-> G1-S..	Fillet z4	N/A	113	continuous	~9	4 (+25)	N/A	2 / 3	EN 1993-1-8:20..
6	W48	G4-SHS 25x25x2 <-> G1-S..	Fillet z4	N/A	101	continuous	~7	6 (+23)	N/A	2 / 3	AISC 360-16: ru..
7	W49	Gusset-02 <-> G1-SHS 40x..	Fillet z4		176	continuous	13	4	1.53-..	6 / 3	EN 1993-1-8:20..
8	W50	G1-SHS 40x40x3 <-> Base..	Fillet z4 + cap 6	N/A	206	continuous	~16	12 (+50)	N/A	3 / 10	EN 1993-1-8:20..
9	W51	G2-SHS 40x40x3 <-> G1-S..	Fillet z4 + cap 84	N/A	128	continuous	~10	4 (+16)	N/A	3 / 3	EN 1993-1-8:20..
10	W52	G2-SHS 40x40x3 <-> G1-S..	Fillet z4 + cap 56	N/A	100	continuous	~8	3 (+16)	N/A	3 / 3	EN 1993-1-8:20..
11	W53	G3-SHS 30x30x2 <-> G1-S..	Fillet z4	N/A	113	continuous	~9	4 (+25)	N/A	2 / 3	EN 1993-1-8:20..
12	W54	G3-SHS 30x30x2 <-> G1-S..	Fillet z4	N/A	107	continuous	~8	4 (+23)	N/A	2 / 3	EN 1993-1-8:20..
13	W55	G4-SHS 25x25x2 <-> G1-S..	Fillet z4	N/A	97	continuous	~7	5 (+15)	N/A	2 / 3	EN 1993-1-8:20..
14	W56	G1-SHS 40x40x3 <-> Guss..	Fillet z4		177	continuous	13	8	1.53-..	3 / 6	EN 1993-1-8:20..
15	W57	G2-SHS 40x40x3 <-> G1-S..	Fillet z4 + cap 84	N/A	128	continuous	~10	4 (+16)	N/A	3 / 3	EN 1993-1-8:20..
16	W58	G2-SHS 40x40x3 <-> G1-S..	Fillet z4 + cap 56	N/A	100	continuous	~8	3 (+16)	N/A	3 / 3	EN 1993-1-8:20..
17	W59	G3-SHS 30x30x2 <-> G1-S..	Fillet z4	N/A	106	continuous	~8	4 (+23)	N/A	2 / 3	EN 1993-1-8:20..
18	W60	G3-SHS 30x30x2 <-> G1-S..	Fillet z4	N/A	113	continuous	~9	4 (+25)	N/A	2 / 3	EN 1993-1-8:20..
19	W61	G4-SHS 25x25x2 <-> G1-S..	Fillet z4	N/A	97	continuous	~7	5 (+15)	N/A	2 / 3	EN 1993-1-8:20..
20	W62	Gusset-03 <-> G1-SHS 40x..	Fillet z4		126	continuous	9	4	1.53-..	6 / 3	EN 1993-1-8:20..
21	W63	G1-SHS 40x40x3 <-> Base..	Fillet z4 + cap 6	N/A	206	continuous	~16	12 (+50)	N/A	3 / 10	EN 1993-1-8:20..
22	W64	G2-SHS 40x40x3 <-> G1-S..	Fillet z4 + cap 84	N/A	128	continuous	~10	4 (+16)	N/A	3 / 3	EN 1993-1-8:20..
23	W65	G2-SHS 40x40x3 <-> G1-S..	Fillet z4 + cap 56	N/A	92	continuous	~7	3 (+16)	N/A	3 / 3	EN 1993-1-8:20..
24	W66	G3-SHS 30x30x2 <-> G1-S..	Fillet z4	N/A	113	continuous	~9	4 (+25)	N/A	2 / 3	EN 1993-1-8:20..
25	W67	G3-SHS 30x30x2 <-> G1-S..	Fillet z4	N/A	113	continuous	~9	4 (+25)	N/A	2 / 3	EN 1993-1-8:20..
26	W68	G4-SHS 25x25x2 <-> G1-S..	Fillet z4	N/A	101	continuous	~7	6 (+23)	N/A	2 / 3	AISC 360-16: ru..
27	W69	Gusset-04 <-> G1-SHS 40x..	Fillet z4		126	continuous	9	4	1.53-..	6 / 3	EN 1993-1-8:20..
28	W70	G1-SHS 40x40x3 <-> Base..	Fillet z4 + cap 6	N/A	206	continuous	~16	12 (+50)	N/A	3 / 10	EN 1993-1-8:20..
29	W71	G2-SHS 40x40x3 <-> G2-S..	Fillet z4 + cap 56	N/A	128	continuous	~10	4 (+16)	N/A	3 / 3	EN 1993-1-8:20..
30	W72	G2-SHS 40x40x3 <-> G2-S..	Fillet z4 + cap 56	N/A	128	continuous	~10	4 (+16)	N/A	3 / 3	EN 1993-1-8:20..
31	W73	Gusset-01 <-> G2-SHS 40x..	Fillet z4		176	continuous	13	4	1.53-..	6 / 3	EN 1993-1-8:20..
32	W74	Gusset-02 <-> G2-SHS 40x..	Fillet z4		176	continuous	13	4	1.53-..	6 / 3	EN 1993-1-8:20..
33	W75	G4-SHS 25x25x2 <-> G2-S..	Fillet z4	N/A	84	continuous	~6	5 (+15)	N/A	2 / 3	AISC 360-16: ru..
34	W76	G2-SHS 40x40x3 <-> G2-S..	Fillet z4 + cap 56	N/A	128	continuous	~10	4 (+16)	N/A	3 / 3	EN 1993-1-8:20..
35	W77	G2-SHS 40x40x3 <-> G2-S..	Fillet z4 + cap 56	N/A	128	continuous	~10	4 (+16)	N/A	3 / 3	EN 1993-1-8:20..
36	W78	Gusset-03 <-> G2-SHS 40x..	Fillet z4		126	continuous	9	4	1.53-..	6 / 3	EN 1993-1-8:20..
37	W79	Gusset-04 <-> G2-SHS 40x..	Fillet z4		126	continuous	9	4	1.53-..	6 / 3	EN 1993-1-8:20..
38	W80	G4-SHS 25x25x2 <-> G2-S..	Fillet z4	N/A	84	continuous	~6	5 (+15)	N/A	2 / 3	AISC 360-16: ru..
39	W81	G3-SHS 30x30x2 <-> G3-S..	Fillet z4 + cap 44	N/A	103	continuous	~8	4 (+15)	N/A	2 / 2	EN 1993-1-8:20..
40	W82	G4-SHS 25x25x2 <-> G3-S..	Fillet z4	N/A	85	continuous	~5	4 (+36)	N/A	2 / 2	AISC 360-16: ru..
41	W83	G3-SHS 30x30x2 <-> G3-S..	Fillet z4 + cap 44	N/A	103	continuous	~8	4 (+15)	N/A	2 / 2	EN 1993-1-8:20..
42	W84	G4-SHS 25x25x2 <-> G3-S..	Fillet z4	N/A	85	continuous	~5	4 (+36)	N/A	2 / 2	AISC 360-16: ru..

TOTAL: 42 weld(s) 5274 mm deposited ~396 g

Deposited metal uses the schedule section area, 1.20 reinforcement allowance for supported fillets and 7.85 g/cm3 steel. ~ marks nominal/legacy estimates and totals containing them; see CSV notes for each basis. N/A means no usable mass, not zero, and makes the total unavailable. a = geometric throat; t = part thickness. BEADS = model solids; (+n) = mm without a solid. Symbol indicates fillet type only; seam location and sidedness require model review. Screening is for geometry/fabrication only; weld resistance and WPS are not evaluated. 42 row(s) have notes; see CSV for full text.

STOCK PLAN

Total: 25 pcs Members: 12253.2 mm Mass: 35.2 kg Surface: 3.17 m²

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Stock plan summary

PROFILE	PIECES	BARS (n x stock)	STOCK (mm)	UTIL. (%)	WASTE (mm)	REMNANTS (mm)
EN - SHS - SHS 25x25x2 - Steel	2	1 x 6000	6000	26.1	0	4420.8
EN - SHS - SHS 30x30x2 - Steel	5	1 x 6000	6000	56.8	0	2565
EN - SHS - SHS 40x40x3 - Steel	10	2 x 6000	12000	60.7	76	4594
TOTAL	17	4 x 6000	24000	51.1	76	11579.8

Stock 6000 mm; kerf 3 mm; end trim 5 mm; offcuts >= 300 mm kept as remnants (not counted as waste).

EN - SHS - SHS 25x25x2 - Steel - 2 piece(s), 1 x 6000

Bar 1 6000 mm 2 pc cut 1563.2 mm remnant 4420.8 mm

#8 781.6	#8 781.6	4420.8 R				
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EN - SHS - SHS 30x30x2 - Steel - 5 piece(s), 1 x 6000

Bar 1 6000 mm 5 pc cut 3410 mm remnant 2565 mm

#11 860	#11 860	#10 570	#9 560	#9 560	2565 R	
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EN - SHS - SHS 40x40x3 - Steel - 10 piece(s), 2 x 6000

Bar 1 6000 mm 8 pc cut 5890 mm offcut 76 mm

#14 860	#14 860	#13 830	#13 830	#13 830	#12 560	#12 560	#12 560	
---------	---------	---------	---------	---------	---------	---------	---------	--

Bar 2 6000 mm 2 pc cut 1390 mm remnant 4594 mm

#13 830	#12 560	4594 R					
---------	---------	--------	--	--	--	--	--