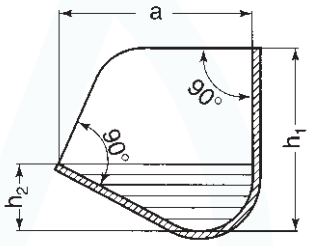
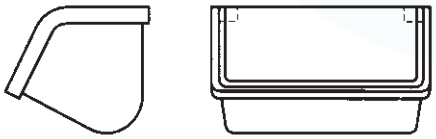
Welded DIN buckets

The plate steel elevator buckets are either in a deep or a shallow version in accordance with DIN 15231, 15232, 15233, and 15234. The correct bucket is selected depending on the product, fine or crude material.These buckets are available in a pressed or welded version and feature recessed holes. VAV offers you a selection of various different materials, such as: S235JR, S355J2G3, Hardox 400/500, Creusabro 4800 / 1.3401, Stainless steel 1.4301 / 1.4404 / 1.4571.

The net volumes listed in the tables correspond to the shaded areas in the drawing, if the back-side is vertical.



Bucket with front lip reinforcement



Bucket with trilateral edge reinforcement

Plate steel elevator buckets may be strengthened even further with a welded edge reinforcement. Options include a front lip reinforcement or a trilateral edge reinforcement.

DIN 15231 - 15232

DIN 15231

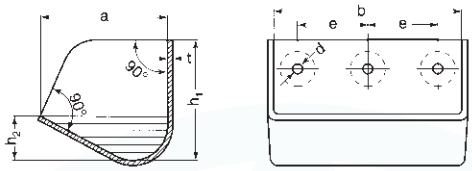


Plate steel elevator buckets in a welded version in accordance with DIN 15231 (parameters in mm)											
Shallow buckets, suitable for light-weight goods, such as flower etc.											
Type	Size/weight						Volume (L)	Holes			Max.
	b	a	h1	h2	t*	Kg	Z3	d Ø	e	Nr	bckts/m
80 x t	80	75	67	24	1,5	0,22	0,10	7,0	40	2	8,00
100 x t	100	90	80	28	1,5	0,33	0,16	7,0	50	2	6,50
125 x t	125	106	95	34	1,5	0,48	0,28	9,5	63	2	5,50
160 x t	160	125	112	40	1,5	0,70	0,50	9,5	80	2	4,50
180 x t	180	135	120	42	1,5	0,80	0,65	11,5	125	2	4,50
200 x t	200	140	125	45	1,5	0,95	0,80	11,5	125	2	4,00
250 x t	250	160	140	50	1,5	1,30	1,25	11,5	80	3	4,00
315 x t	315	180	160	56	1,5	1,80	1,93	11,5	112	3	3,00
400 x t	400	200	180	63	2,0	3,25	3,15	11,5	100	4	3,00
500 x t	500	224	200	71	3,0	6,60	4,84	14,0	100	5	3,00

Z3 = net volume in liters.
t* = different plate thicknesses possible

DIN 15232

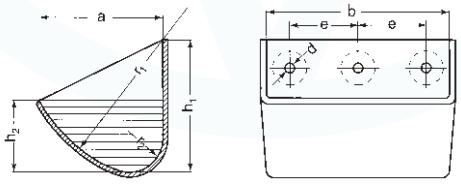


Plate steel elevator buckets in a welded version in accordance with DIN 15232 (parameters in mm)											
Deep buckets, suitable for grainy goods, such as grains and seeds, etc.											
Type	Size/weight						Volume (L)	Holes			Max.
	b	a	h1	h2	t*	Kg	Z3	d Ø	e	Nr	bckts/m
80 x t	80	75	80	43	1,5	0,24	0,17	7,0	40	2	10,00
100 x t	100	90	95	50	1,5	0,36	0,30	7,0	50	2	8,50
125 x t	125	106	112	60	1,5	0,51	0,53	9,5	63	2	7,00
160 x t	160	125	132	71	1,5	0,75	0,90	9,5	80	2	5,50
180 x t	180	130	140	75	1,5	1,00	1,14	11,5	125	2	5,00
200 x t	200	140	150	80	1,5	1,20	1,40	11,5	125	2	5,00
250 x t	250	160	170	90	1,5	1,40	2,24	11,5	80	3	5,00
315 x t	315	180	190	100	2,0	2,60	3,55	11,5	112	3	4,00
400 x t	400	200	212	112	2,0	3,55	5,60	11,5	100	4	3,00
500 x t	500	224	236	125	3,0	7,20	9,00	14,0	100	5	3,00
630 x t	630	250	265	140	3,0	13,00	14,00	14,0	100	6	2,50
800 x t	800	280	300	160	4,0	22,20	23,30	14,0	200	7	2,50

Z3 = net volume in liters.
t* = different plate thicknesses possible

DIN 15233 - 15234

DIN 15233

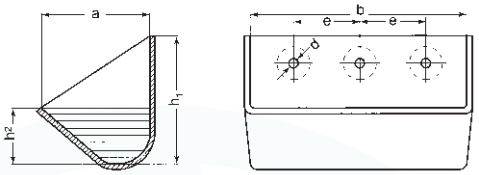


Plate steel elevator buckets in a welded or a pressed version in accordance with DIN 15233 (parameters in mm)											
Medium deep buckets, suitable for sticky goods, such as sugar, etc.											
Type	Size/weight						Volume (L)	Holes			Max.
	b	a	h1	h2	t*	Kg	Z3	d Ø	e	Nr	bckts/m
160 x 140 x t	160	140	160	63	2,0	1,23	0,95	9,5	80	2	4,50
160 x 160 x t	160	160	180	71	2,0	1,44	1,20	9,5	80	2	4,00
200 x 160 x t	200	160	180	71	2,0	1,65	1,50	11,5	125	2	4,00
250 x 180 x t	250	180	200	80	2,0	2,25	2,40	11,5	80	3	4,00
250 x 200 x t	250	200	224	90	2,0	2,63	3,00	11,5	80	3	3,50
315 x 200 x t	315	200	224	90	3,0	4,55	3,75	11,5	112	3	3,50
400 x 224 x t	400	224	250	100	3,0	6,10	5,90	11,5	100	4	3,00
500 x 250 x t	500	250	280	112	4,0	11,50	9,30	14,0	100	5	3,00
630 x 280 x t	630	280	315	125	4,0	16,10	14,60	14,0	100	6	2,50
800 x 315 x t	800	315	355	140	5,0	27,50	23,30	14,0	200	7	2,50
1.000 x 355 x t	1.000	355	400	160	5,0	38,20	37,60	14,0	200	9	2,00

Z3 = net volume in liters.
t* = different plate thicknesses possible

DIN 15234

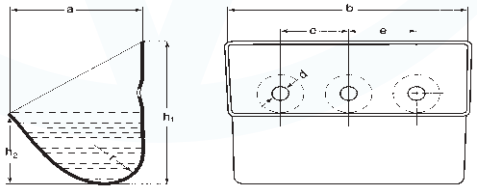


Plate steel elevator buckets in a welded version in accordance with DIN 15234 (parameters in mm)											
Deep buckets, suitable for heavy goods, such as cokes, sand, glass, etc.											
Type	Size/weight						Volume (L)	Holes			Max.
	b	a	h1	h2	t*	Kg	Z3	d Ø	e	Nr	bckts/m
160 x 140 x t	160	140	180	95	2,0	1,38	1,50	9,5	80	2	4,00
160 x 160 x t	160	160	200	106	2,0	1,59	1,90	9,5	80	2	4,00
200 x 160 x t	200	160	200	106	2,0	1,85	2,40	11,5	125	2	4,00
250 x 180 x t	250	180	224	118	2,0	2,49	3,70	11,5	80	3	3,50
250 x 200 x t	250	200	250	132	3,0	4,36	4,60	11,5	80	3	3,00
315 x 200 x t	315	200	250	132	3,0	5,09	5,80	11,5	112	3	3,00
400 x 224 x t	400	224	280	150	3,0	7,03	9,40	11,5	100	4	3,00
500 x 250 x t	500	250	315	170	4,0	12,80	14,90	14,0	100	5	2,50
630 x 280 x t	630	280	355	190	4,0	17,60	23,50	14,0	100	6	2,50
800 x 315 x t	800	315	400	212	5,0	30,60	37,30	14,0	200	7	2,00
1.000 x 355 x t	1.000	355	450	236	5,0	42,00	58,30	14,0	200	9	2,00

Z3 = net volume in liters.
t* = different plate thicknesses possible