

# Spacial 3D steel enclosure

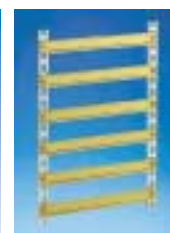
## universal enclosure and accessories selection guide

### IP 66 universal enclosures\*



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### chassis



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external dimensions			no. of doors	enclosure reference			perforated chassis reference	plain chassis reference			mixed chassis reference	
H	W	D		without chassis	with plain chassis	glazed door without chassis		standard	silkscreened	microperforated	symmetrical	type
300	200	150	1	ENN83015	ENN83315	–	ENN55415	ENN55715	–	ENN50415	–	–
	300	150	1	ENN83002	ENN83302	ENN83502	ENN55402	ENN55702	–	ENN50402	ENN55002	B
	200	200	1	ENN83003	ENN83303	ENN83503	ENN55402	ENN55702	–	ENN50402	ENN55002	B
	400	150	1	ENN83012	ENN83312	ENN83512	ENN55412	ENN55712	ENN55362	ENN50412	ENN55012	B
400	300	150	1	ENN83017	ENN83317	ENN83517	ENN55417	ENN55712	ENN55362	ENN50412	ENN55017	B
	200	200	1	ENN83018	ENN83318	ENN83518	ENN55417	ENN55712	ENN55362	ENN50412	ENN55017	B
	400	200	1	ENN83019	ENN83319	ENN83519	ENN55419	ENN55719	ENN55369	ENN50419	ENN55019	B
	600	200	1	ENN83031	ENN83331	ENN83531	ENN55432	ENN55726	ENN55376	ENN50426	ENN55032	A
	250	250	1	ENN83032	ENN83332	ENN83532	ENN55432	ENN55726	ENN55376	ENN50426	ENN55032	A
500	300	200	1	ENN83021	ENN83321	ENN83521	ENN55421	ENN55721	ENN55371	ENN50421	ENN55021	B
	400	200	1	ENN83023	ENN83323	ENN83523	ENN55423	ENN55723	ENN55373	ENN50423	ENN55023	B
	250	250	1	ENN83024	ENN83324	ENN83524	ENN55423	ENN55723	ENN55373	ENN50423	ENN55023	B
	500	200	1	ENN83022	ENN83322	ENN83522	ENN55425	ENN55725	ENN55375	ENN50425	ENN55025	A
	250	250	1	ENN83025	ENN83325	ENN83525	ENN55425	ENN55725	ENN55375	ENN50425	ENN55025	A
600	400	200	1	ENN83026	ENN83326	ENN83526	ENN55426	ENN55726	ENN55376	ENN50426	ENN55026	B
	250	250	1	ENN83027	ENN83327	ENN83527	ENN55426	ENN55726	ENN55376	ENN50426	ENN55026	B
	600	200	1	ENN83028	ENN83328	ENN83528	ENN55429	ENN55729	ENN55379	ENN50429	ENN55029	A
	250	250	1	ENN83029	ENN83329	ENN83529	ENN55429	ENN55729	ENN55379	ENN50429	ENN55029	A
	300	300	1	ENN83030	ENN83330	ENN83530	ENN55429	ENN55729	ENN55379	ENN50429	ENN55029	A
	400	300	1	ENN83039	ENN83339	ENN83539	ENN55429	ENN55729	ENN55379	ENN50429	ENN55029	A
	800	300	1	ENN83037	ENN83337	ENN83537	ENN55431	ENN55756	ENN55396	ENN50456	ENN55031	A
700	500	250	1	ENN83035	ENN83335	ENN83535	ENN55435	ENN55735	ENN55385	ENN50435	ENN55035	B
800	600	200	1	ENN83043	ENN83343	ENN83543	ENN55456	ENN55756	ENN55396	ENN50456	ENN55056	A
	250	250	1	ENN83056	ENN83356	ENN83556	ENN55456	ENN55756	ENN55396	ENN50456	ENN55056	A
	300	300	1	ENN83057	ENN83357	ENN83557	ENN55456	ENN55756	ENN55396	ENN50456	ENN55056	A
	400	300	1	ENN83044	ENN83344	ENN83544	ENN55456	ENN55756	ENN55396	ENN50456	ENN55056	A
	800	250	1	ENN83045	ENN83345	ENN83545	ENN55446	ENN55745	–	ENN50445	ENN55045	A
	300	300	1	ENN83046	ENN83346	ENN83546	ENN55446	ENN55745	–	ENN50445	ENN55045	A
1000	300	1	ENN83047	ENN83347	–	–	ENN55447	ENN55760	–	ENN50460	ENN55047	A
1000	600	250	1	ENN83054	ENN83354	ENN83554	ENN55454	ENN55754	–	ENN50454	ENN55054	A
	400	400	1	ENN83059	ENN83359	ENN83559	ENN55454	ENN55754	–	ENN50454	ENN55054	A
	800	250	1	ENN83060	ENN83360	ENN83560	ENN55460	ENN55760	–	ENN50460	ENN55060	A
	300	300	1	ENN83061	ENN83361	ENN83561	ENN55460	ENN55760	–	ENN50460	ENN55060	A
	400	300	1	ENN83062	ENN83362	ENN83562	ENN55460	ENN55760	–	ENN50460	ENN55060	A
	1000	300	1	ENN83070	ENN83370	ENN83570	ENN55463	ENN55763	–	ENN50463	ENN55063	A
	300	2*	ENN83063	ENN83363	ENN83563	ENN55463	ENN55763	–	ENN50463	ENN55063	A	
	1200	300	2*	ENN83066	ENN83366	–	ENN55461	ENN55765	–	ENN50465	ENN55061	A
1200	800	300	1	ENN83064	ENN83364	ENN83564	ENN55464	ENN55764	–	ENN50464	ENN55064	A
	400	400	1	ENN83067	ENN83367	ENN83567	ENN55464	ENN55764	–	ENN50464	ENN55064	A
	1000	300	1	ENN83071	ENN83371	ENN83571	ENN55465	ENN55765	–	ENN50465	ENN55065	A
	300	2*	ENN83065	ENN83365	ENN83565	ENN55465	ENN55765	–	ENN50465	ENN55065	A	

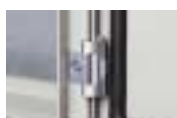
\* 2-door enclosures are protection IP 55.

## universal accessories



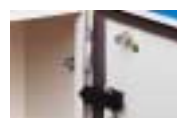
wall fixing lugs  
steel ENN51206  
s/steel ENN51207

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hinges  
standard ENN51209  
180° ENN51208

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door stop  
standard ENN51210

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document pocket  
A4 ENN21322  
A4 ENN21323  
A3 ENN21317

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Characteristics page 38

Dimensions page 48

# Spacial 3D steel enclosure universal enclosure

## technical characteristics

- Three enclosure versions are proposed:
  - with plain door,
  - with plain door, fitted with plain galvanised chassis.
  - with glazed door, safety glass thickness 4 mm.
- Textured 100% polyester powder paint finish, colour grey RAL 7032.
- Degree of protection IP 66 for all single door enclosures, IP 55 for double door enclosures.
- External mechanical impact resistance:
  - IK 10 for enclosures with plain door,
  - IK 08 for enclosures with glazed door.
- One-piece folded and welded body, double plate thickness gutter shaped front profile. Flat rear panel.
- Perforated rails on door, drilled diameter 4.2 on 25 mm pitch:
  - 2 vertical rails from height 500 mm,
  - 2 vertical rails and 2 horizontal rails from width 800 mm.
- Door easily removable and reversible with double thickness 20 mm return fold for excellent rigidity, 120° opening, 2 or 3 concealed hinges. 3 closure points from height 600 mm with single operating point. Simple reversal of linkage. Maximum loading: 50 kg/m<sup>2</sup>.
- Enclosure supplied as standard with 3 mm double bar lock. The handle supplied has two functions:
  - as operating key,
  - as tool for removal of stud protective caps.
- Polyurethane door seal.
- M6 x 16 earthing screw for equipotential connection between enclosure door and body.
- Wall mounting direct (4 holes Ø 10) or using fixing lugs (to be ordered separately, see page 42).
- 4 shouldered backstuds M8 x 25 for mounting of chassis and step slides, leaving 10 mm clearance from rear panel.
- Cable gland plate with grid pattern to facilitate drilling and assure maximum access.



Enclosure with plain galvanised chassis

Double bar lock

## certifications

- EN 50298, LCIE (enclosures standard, page 88), UL, CSA: pending.

## special versions

- These enclosures can be supplied on request with:
  - alternative colours,
  - accessories premounted,
  - special machining,
  - other dimensions,
  - alternative finishes (zinc chromate, metallisation, etc.),
  - etc.
 See our customised service page 52.

**cross-rails/rails**



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**modular chassis**



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**19" chassis**



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external reference			no. of doors	chassis elements reference			modular chassis ref.		reference		19" chassis			
H	W	D		aluminium vert. rail	symmetrical cross rail	type	cut-out front panel	no. of modules	plain front panel	plain chassis	fixed reference U	no.	pivoting reference U	no.
300	200	150	1	ENNS1101	-	-	-	-	-	-	-	-	-	-
	300	150	1	ENNS1101	ENNS1011	B	-	-	-	-	-	-	-	-
		200	1	ENNS1101	ENNS1011	B	-	-	-	-	-	-	-	-
	400	150	1	ENNS1101	ENNS1012	B	-	-	-	-	-	-	-	-
400	300	150	1	ENNS1102	ENNS1011	B	ENNS80450	24	ENNS80430	ENNS80440	-	-	-	-
		200	1	ENNS1102	ENNS1011	B	ENNS80450	24	ENNS80430	ENNS80440	-	-	-	-
	400	200	1	ENNS1102	ENNS1012	B	-	-	-	-	-	-	-	-
	600	200	1	ENNS1102	ENNS1014	A	-	-	-	-	-	-	-	-
		250	1	ENNS1102	ENNS1014	A	-	-	-	-	ENNS25911	8	ENNS25940	7
500	300	200	1	ENNS1103	ENNS1011	B	-	-	-	-	-	-	-	-
	400	200	1	ENNS1103	ENNS1012	B	ENNS80451	48	ENNS80431	ENNS80441	-	-	-	-
		250	1	ENNS1103	ENNS1012	B	ENNS80451	48	ENNS80431	ENNS80441	-	-	-	-
	500	200	1	ENNS1103	ENNS1013	A	-	-	-	-	-	-	-	-
		250	1	ENNS1103	ENNS1013	A	-	-	-	-	-	-	-	-
600	400	200	1	ENNS1104	ENNS1012	B	ENNS80452	48	ENNS80431	ENNS80441	-	-	-	-
		250	1	ENNS1104	ENNS1012	B	ENNS80452	48	ENNS80431	ENNS80441	-	-	-	-
	600	200	1	ENNS1104	ENNS1014	A	ENNS80453	84	-	-	ENNS25912	12	ENNS25941	11
		250	1	ENNS1104	ENNS1014	A	ENNS80453	84	-	-	ENNS25912	12	ENNS25941	11
		300	1	ENNS1104	ENNS1014	A	ENNS80453	84	-	-	ENNS25912	12	ENNS25941	11
		400	1	ENNS1104	ENNS1014	A	ENNS80453	84	-	-	ENNS25912	12	ENNS25941	11
	800	300	1	ENNS1104	ENNS1015	A	-	-	-	-	-	-	-	-
700	500	250	1	ENNS1105	ENNS1013	A	ENNS80454	66	ENNS80432	ENNS80442	-	-	-	-
		250	1	ENNS1105	ENNS1013	A	ENNS80455	88	ENNS80432	ENNS80442	-	-	-	-
800	600	200	1	ENNS1106	ENNS1014	A	ENNS80456	84 (2)	ENNS80433	ENNS80443	ENNS25913	17	ENNS25942	16
		250	1	ENNS1106	ENNS1014	A	ENNS80457	112 (2)	ENNS80433	ENNS80443	ENNS25913	17	ENNS25942	16
		300	1	ENNS1106	ENNS1014	A	ENNS80457	112 (2)	ENNS80433	ENNS80443	ENNS25913	17	ENNS25942	16
		400	1	ENNS1106	ENNS1014	A	ENNS80457	112 (2)	ENNS80433	ENNS80443	ENNS25913	17	ENNS25942	16
	800	250	1	ENNS1106	ENNS1015	A	-	-	-	-	-	-	-	-
		300	1	ENNS1106	ENNS1015	A	-	-	-	-	-	-	-	-
	1000	300	1	ENNS1106	ENNS1016	A	-	-	-	-	-	-	-	-
1000	600	250	1	ENNS1107	ENNS1014	A	ENNS80458	168 (3)	-	-	ENNS25914	21	ENNS25943	20
		400	1	ENNS1107	ENNS1014	A	ENNS80458	168 (3)	-	-	ENNS25914	21	ENNS25943	20
	800	250	1	ENNS1107	ENNS1015	A	ENNS80459	240	ENNS80434	ENNS80444	-	-	ENNS25944	20
		300	1	ENNS1107	ENNS1015	A	ENNS80459	240	ENNS80434	ENNS80444	-	-	ENNS25944	20
		400	1	ENNS1107	ENNS1015	A	ENNS80459	240	ENNS80434	ENNS80444	-	-	ENNS25944	20
	1000	300	1	ENNS1107	ENNS1016	A	-	-	-	-	-	-	-	-
		300	2	ENNS1107	ENNS1016	A	-	-	-	-	-	-	-	-
	1200	300	2	ENNS1107	ENNS1014 (1)	A	-	-	-	-	-	-	-	-
1200	800	300	1	ENNS1108 (4)	ENNS1015	A	-	240	ENNS80434	ENNS80444	-	-	ENNS25945	25
		400	1	ENNS1108 (4)	ENNS1015	A	-	240	ENNS80434	ENNS80444	-	-	ENNS25945	25
	1000	300	1	ENNS1108 (4)	ENNS1016	A	-	-	-	-	-	-	-	-
		300	2	ENNS1108 (4)	ENNS1016	A	-	-	-	-	-	-	-	-

(1) Order 2 cross rails 600 mm.

(2) Mounting of refs. ENNS80456 or ENNS80457 possible.

(3) Mounting of refs. ENNS80458 or ENNS80459 possible.

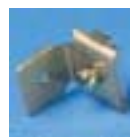
(4) Steel vertical rail

**accessories**



slides  
mm reference  
90 ENN21081  
130 ENN21082

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brackets reference  
ENN21036

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blanking cover  
no. mod. reference  
4 ENN80355

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19"  
screw-nut ENN11246

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**locks and inserts**

- Spacial 3D enclosures are delivered as standard with a 3 mm double bar lock.
- A wide range of standardised inserts is available to cover the most common requirements.
- Single screw installation and removal.
- The operating handle delivered with the enclosure can be used as:
  - a provisional handle (partial engagement),
  - a definitive handle (total engagement with click-in).



**key handles**

- Composite material handle, attractive and ergonomic.
- Extensive range of barrels enabling coverage of a wide range of requirements.



**closure system**

- Easily installed to replace the standard lock.
- Material: zamack.



ENN51339



ENN51340

**insert**

**shape/type**

reference	description	pack qty.
ENN51325	Square 6 mm	1
ENN51326	Square 7 mm	1
ENN51327	Square 8 mm	1
ENN51328	Double bar 3 mm	1
ENN51329	Double bar 5 mm	1
ENN51330	Triangular 6.5 mm CNOMO	1
ENN51331	Triangular 8 mm	1

**key handle**

reference	barrels with keys	pack qty.
ENN51332	1242 E	1
ENN51333	405	1
ENN51334	421	1
ENN51335	455	1
ENN51336	2331 A	1
ENN51337	2433 A	1
ENN51338	3113 A	1

reference	closure system	pack qty.
ENN51339	Half cylinder DIN	1
ENN51340	Padlockable	1

