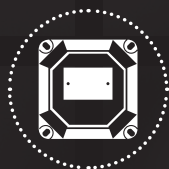


EA Exe ENCLOSURES

..... *For Harsh & Hazardous Environments*



ENCLOSURE SOLUTIONS

..... For Harsh & Hazardous Locations



Connecting you through Innovation

Experienced

With over 60 years experience protecting people and assets in the world's most demanding environments, Hawke is the obvious choice for reliability, quality and safety.

Worldwide

Our global network of over 20 licensed Enclosure Modifiers can support you wherever you're based and supply you with Hawke Enclosures.

Quality Driven

All Hawke products are designed to comply with ISO 9001 standards. Rigorous in-house and third party testing ensures that all our products exceed expectations.

Complete Solution

With an extensive range of Cable Glands, Enclosures, Connectors, Accessories, Control Stations and more Hawke International can provide you with a complete solution, no matter what your project is.



Follow us

Easy Access, Easy Installation



Our most innovative range yet.

All Hawke Easy Access Enclosures and Accessories have been designed with increased productivity in mind.



Discover the Hawke Enclosure Range

Harsh and Hazardous environments demand exceptional strength. That's why we've been at the forefront of innovation for the past 30 years to provide superior Enclosures and unmatched engineering excellence.

Whether it's an Enclosure for an Oil and Gas, Petrochemical or Harsh & Hazardous application, Hawke International provides quality assured solutions that guarantee the protection not just of assets, but of lives.



The EA Range

For fast installation and easy inspection in Exe environments, the EA range is the ideal choice. Our most innovative enclosure range yet, the EA's radical sloped face design provides unmatched corrosion resistance and meets the highest demands for water and dustproof requirements.



The PL Range

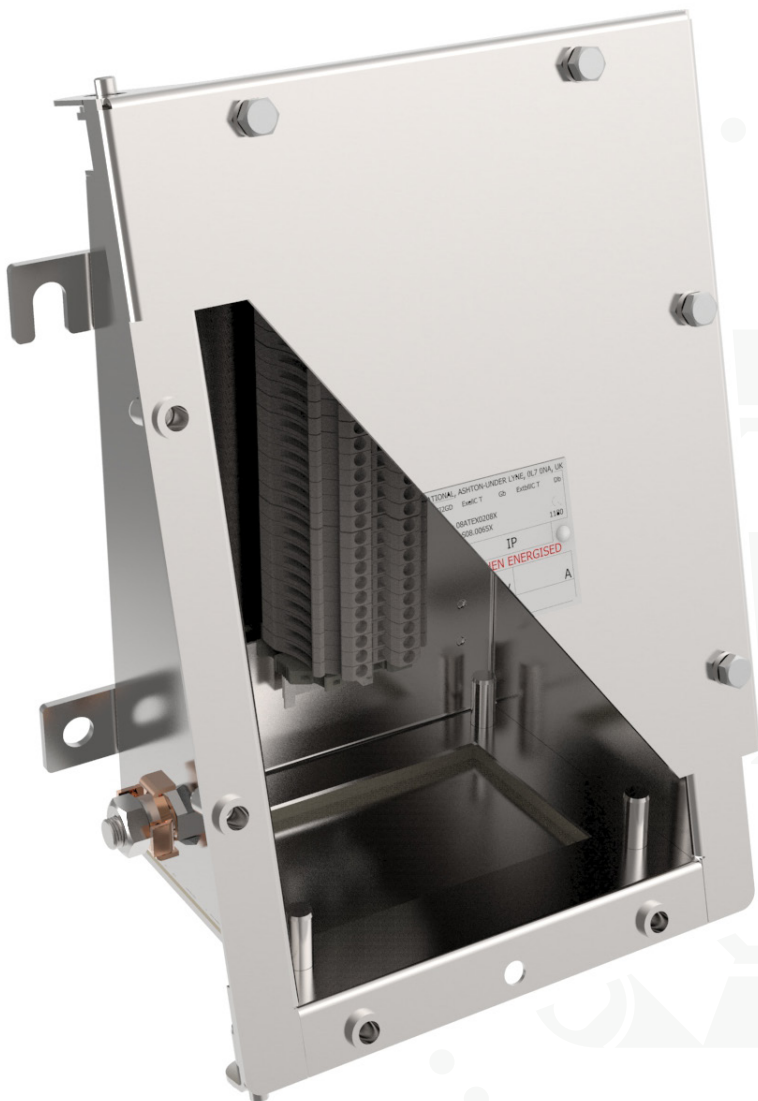
The ultimate in Glass Reinforced Plastic construction, the PL range has been designed to provide outstanding protection in Harsh & Hazardous environments. With an impressive impact strength of up to 20Nm; and exceptional resistance to corrosive atmospheres, the PL range offers a versatile and cost effective solution for Exe environments.



The S-Series

Our toughest Enclosure Range, the S Series has been designed for use in the world's most severe environments. With unmatched chemical corrosion protection, Electromagnetic Interference resistance and dust and water ingress protection the S Range is perfect for use in Zones 1, 2, 21 and 22.

With its radical sloped face design and cut away sides, the EA range reduces cost through unparalleled installation and inspection speeds.



Features

- **Faster Installation**
Cut away sides enable increased hand access for faster installation, providing on average 35% extra space over competition enclosures (up to 55%).
- **Easy Inspection**
See exactly what you've installed, without walls getting in the way
- **Familiar Footprints**
All 9 EA sizes follow industry standards, so you can easily switch out or retrofit your current Enclosures for the EA range
- **Drop Restraint Feature**
The removable hinged lid with added retaining pins prevents the lid from being dropped from height
- **Internationally Approved**
Certified for Exe/AExe Increased Safety for use in (IEC) Zone 1/2, 21/22: ATEX / IECEx / EAC TC RU / INMETRO. (CEC/NEC) Class, 1 Zone1 (CEC/NEC) Class, 1 Div 2



Corrosion Resistant by Design

Sloped lid and body allows corrosion causing contaminants to naturally slide off.

Multiple Lid Fixing Points

Provides equal gasket compression for superior sealing performance.

Better Tool Access

Turned out sealing face means spanners can be brought into the enclosure parallel with gland locknuts allowing for an easier installation.

Concealed Silicone Gasket

Amazing sealing performance provided by a single piece gasket concealed by the enclosure lid.



The Bottom Face: A Better Gland Space

Installing glands through the bottom of the Enclosure has long been adopted as industry best practice for superior Ingress Protection. The EA range is designed around this principle.

Gland Plate or Straight Through

EA enclosures can be supplied with a 3mm bottom gland plate or alternatively in just sheet steel for easy onsite punching.

Technical Data

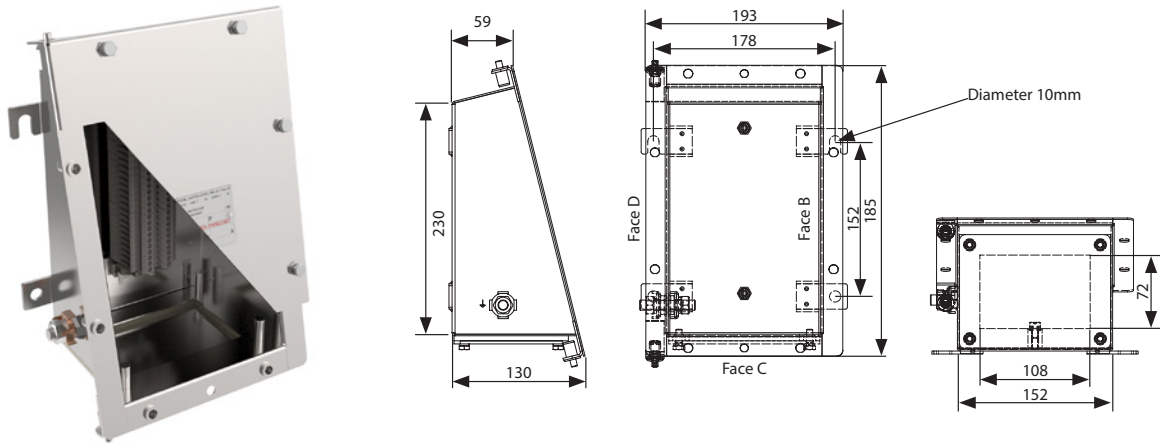
Type of Protection	Increased Safety II 2 GD Exe IIC Gb, Extb IIIC Db	Material	Stainless Steel AISI 316L
Area Classification	Suitable for use in Zone 1, Zone 2, Zone 21, Zone 22 Class 1 Zone 1, Class 1 Div 2	Finish	Electropolished as standard (Painted finish optional)
Certificates	<ul style="list-style-type: none"> • ATEX: Baseefa08ATEX0208X, Baseefa08ATEX0207U (Z Type) • IECEx: IECEx BAS 08.0065X, IECEx BAS 08.0064U (Z Type) • EAC: TCRU C-GB.AA87.B.00430 • INMETRO: IEx 16.0144X • NEC/CEC (Canada): 70039997 (079713_0_000) 	Gasket Material	Silicone (One Piece - Closed Cell) Superior reseal and recovery
		Locking Feature	Pad Lockable Lid
		Earth Stud	M10 Welded to Body M6 Welded Inside Lid
Construction and Test Standards	IEC/EN 60079-0, IEC/EN 60079-7 and IEC/EN 60079-31 CAN/CSA-C22.2 No. 60079-7-2011 CAN/CSA-C22.2 No. 60079-15-2010 CAN/CSA-C22.2 No. 60079-31-2011 CAN/CSA-C22.2 No. 94-M91 CAN/CSA-C22.2 No. 14-M91 UL 60079-0-2007 UL 60079-7- 2004 UL 60079-15-2013 UL60079-31-2011	Mounting Feet	Welded to Body
Ingress Protection	IP66 to EN60529 Type 4X to UL50E/CSA 94.2	Gland Plate	3mm - Bottom Face Only
Operating Temp.	-60°C to +80°C	Assembly Instructions	EA: AI282 ZEA (Component): AI283



EA 231513

Increased Safety Exe Dual Certified ATEX / IECEx

10



Selection Table

Thread Size	M16	M20	M25	M32	M40	M50	M63	M75
Face B	11	6	3	1	-	-	-	-
Face C (Gland Plate)	6	4	3	2	1	-	-	-
Face C (no Gland Plate)	12	6	4	2	1	1	-	-
Face D	9	4	3	-	-	-	-	-

Terminal Capacity

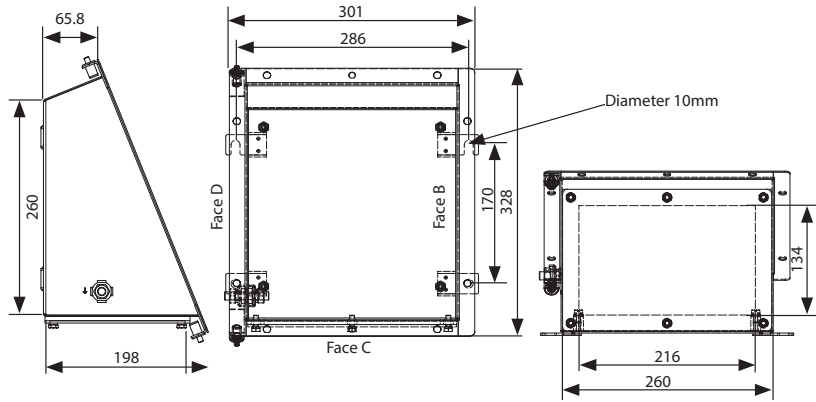
Terminal Type	Conductor Size (mm ²)		Max. Volts	Rail Orientation	Max. Physical Terminal Content			Reduced Terminal Content at Max Amps	
	Min.	Max.			Terminal Qty.	Rail Qty	Amps	Terminal Qty.	Amps
WDU 2.5	0.5	2.5	550	V	25	1	10	9	17
UT 2.5	0.5	2.5	690	V	25		12	17	15
WDU 4	0.5	4	690	V	21		14	8	22
UT 4	0.5	4	690	V	21		16	12	20
WDU 6	0.5	6	550	V	16		19	7	29
UT6	0.5	6	690	V	15		25	12	28
WDU 10	1.5	10	550	V	13		26	5	40
UT 10	1.5	10	690	V	13		33	9	39
WDU 16	1.5	16	690	V	10		37	5	53
UT 16	1.5	16	690	V	11		45	7	53
WDU 35	2.5	35	690	V	8		58	3	87
UT 35	2.5	35	690	V	8		70	8	70

* Max terminals are split across the quantity of terminal rails

10a

EA 262620

Increased Safety Exe Dual Certified ATEX / IECEx



International Approvals

Selection Table								
Thread Size	M16	M20	M25	M32	M40	M50	M63	M75
Face B	22	13	9	5	3	2	1	-
Face C (Gland Plate)	28	18	12	8	6	3	-	-
Face C (no Gland Plate)	42	24	20	12	6	6	3	-
Face D	17	10	6	4	2	2	1	-

Terminal Capacity									
Terminal Type	Conductor Size (mm ²)		Max. Volts	Rail Orientation	Max. Physical Terminal Content			Reduced Terminal Content at Max Amps	
	Min.	Max.			Terminal Qty.	Rail Qty	Amps	Terminal Qty.	Amps
WDU 2.5	0.5	2.5	550	V	32	1	12	17	17
				H	36		11		
UT 2.5	0.5	2.5	690	V	31	1	15	34	15
				H	35		14		
WDU 4	0.5	4	690	V	26	1	17	15	22
				H	30		15		
UT 4	0.5	4	690	V	26	1	20	30	19
				H	30		19		
WDU 6	0.5	6	550	V	20	1	23	12	29
				H	23		21		
UT6	0.5	6	690	V	19	1	28	22	28
				H	22		28		
WDU 10	1.5	10	550	V	16	1	32	10	40
				H	18		31		
UT 10	1.5	10	690	V	16	1	39	17	39
				H	17		39		
WDU 16	1.5	16	690	V	13	1	45	11	53
				H	15		42		
UT 16	1.5	16	690	V	13	1	53	15	53
				H	15		53		
WDU 35	2.5	35	690	V	10	1	72	8	87
				H	11		68		
UT 35	2.5	35	690	V	10	1	70	11	70
				H	11		70		

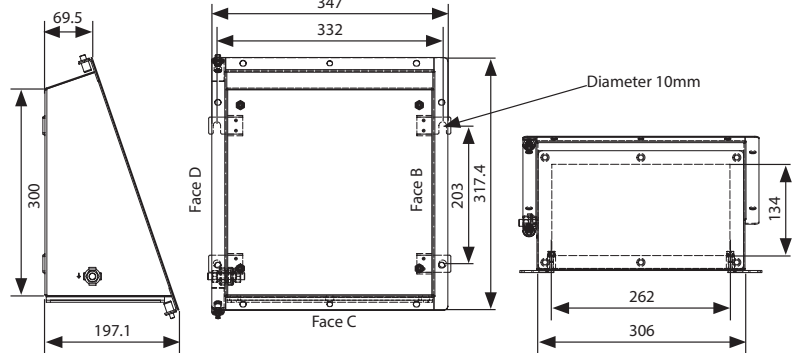
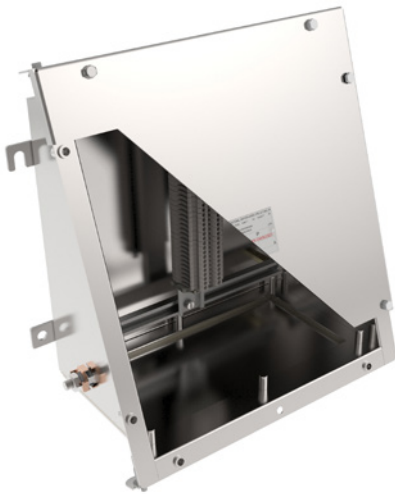
* Max terminals are split across the quantity of terminal rails



EA 303020

Increased Safety Exe Dual Certified ATEX / IECEx

11



Selection Table

Thread Size	M16	M20	M25	M32	M40	M50	M63	M75
Face B	26	16	11	7	5	3	2	1
Face C (Gland Plate)	35	23	15	9	7	4	-	-
Face C (no Gland Plate)	45	28	18	15	8	6	3	2
Face D	22	13	8	5	3	2	1	1

Terminal Capacity

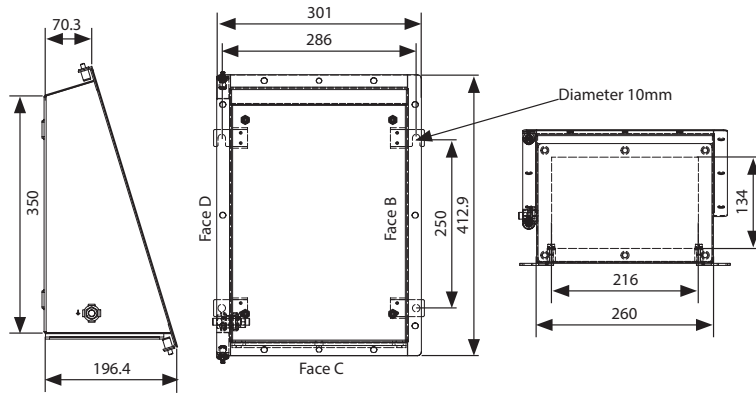
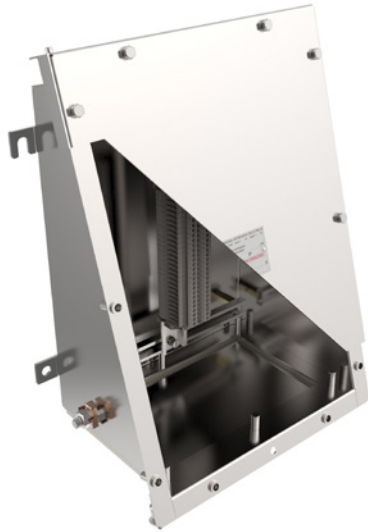
Terminal Type	Conductor Size (mm ²)		Max. Volts	Rail Orientation	Max. Physical Terminal Content			Reduced Terminal Content at Max Amps	
	Min.	Max.			Terminal Qty.	Rail Qty	Amps	Terminal Qty.	Amps
WDU 2.5	0.5	2.5	550	V	82	2	3	4	17
				H	90		3		
UT 2.5	0.5	2.5	690	V	80	2	4	7	15
				H	88		4		
WDU 4	0.5	4	690	V	68	2	5	3	22
				H	76		4		
UT 4	0.5	4	690	V	66	2	6	6	20
				H	74		5		
WDU 6	0.5	6	550	V	52	2	7	3	29
				H	58		6		
UT6	0.5	6	690	V	50	2	9	5	28
				H	56		8		
WDU 10	1.5	10	550	V	42	2	10	2	40
				H	46		9		
UT 10	1.5	10	690	V	40	2	12	4	39
				H	44		12		
WDU 16	1.5	16	690	V	34	2	13	2	53
				H	38		13		
UT 16	1.5	16	690	V	32	2	18	3	53
				H	36		17		
WDU 35	2.5	35	690	V	26	2	22	1	87
				H	28		21		
UT 35	2.5	35	690	V	26	2	26	3	70
				H	28		25		

* Max terminals are split across the quantity of terminal rails

11a

EA 352620

Increased Safety Exe Dual Certified ATEX / IECEx



Selection Table								
Thread Size	M16	M20	M25	M32	M40	M50	M63	M75
Face B	27	16	11	7	4	2	1	1
Face C (Gland Plate)	28	18	12	8	6	3	-	-
Face C (no Gland Plate)	42	24	19	12	6	6	3	2
Face D	23	14	9	5	3	2	1	-

Terminal Capacity									
Terminal Type	Conductor Size (mm ²)		Max. Volts	Rail Orientation	Max. Physical Terminal Content			Reduced Terminal Content at Max Amps	
	Min.	Max.			Terminal Qty.	Rail Qty	Amps	Terminal Qty.	Amps
WDU 2.5	0.5	2.5	550	V	98	2	3	4	17
				H	72		4		
UT 2.5	0.5	2.5	690	V	96	2	4	7	15
				H	70		4		
WDU 4	0.5	4	690	V	82	2	4	2	22
				H	60		5		
UT 4	0.5	4	690	V	80	2	5	6	20
				H	58		6		
WDU 6	0.5	6	550	V	62	2	6	3	29
				H	46		7		
UT6	0.5	6	690	V	60	2	8	5	28
				H	44		9		
WDU 10	1.5	10	550	V	50	2	9	2	40
				H	36		10		
UT 10	1.5	10	690	V	48	2	11	4	39
				H	34		13		
WDU 16	1.5	16	690	V	38	2	12	2	53
				H	30		14		
UT 16	1.5	16	690	V	36	2	17	3	53
				H	28		19		
WDU 35	2.5	35	690	V	30	2	20	1	87
				H	22		24		
UT 35	2.5	35	690	V	30	2	24	3	70
				H	22		28		

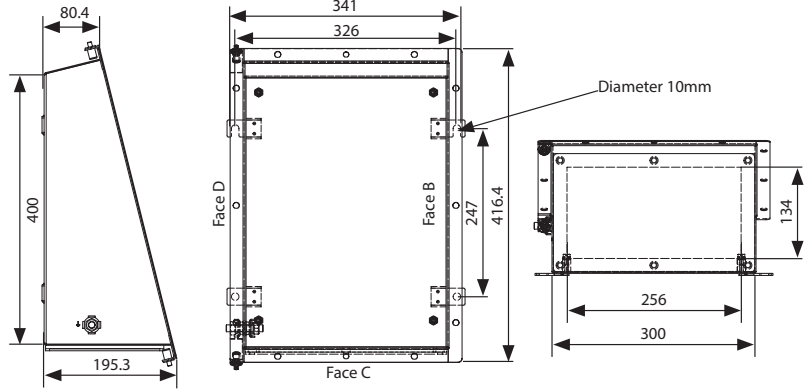
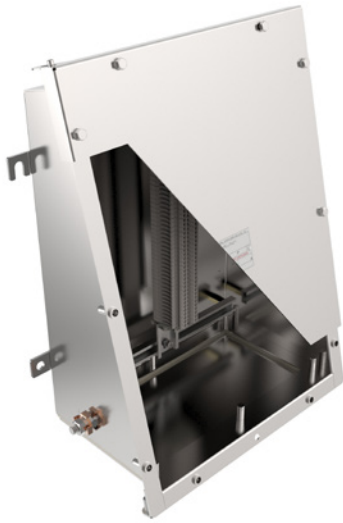
* Max terminals are split across the quantity of terminal rails



EA 403020

Increased Safety Exe Dual Certified ATEX / IECEx

11b



Selection Table

Thread Size	M16	M20	M25	M32	M40	M50	M63	M75
Face B	34	20	14	8	4	3	2	1
Face C (Gland Plate)	32	23	15	9	7	4	-	-
Face C (no Gland Plate)	53	28	23	12	8	6	3	2
Face D	29	17	12	8	4	3	2	1

Terminal Capacity

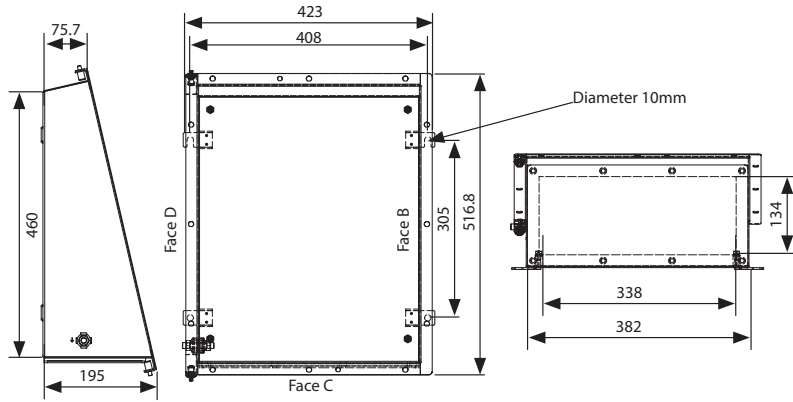
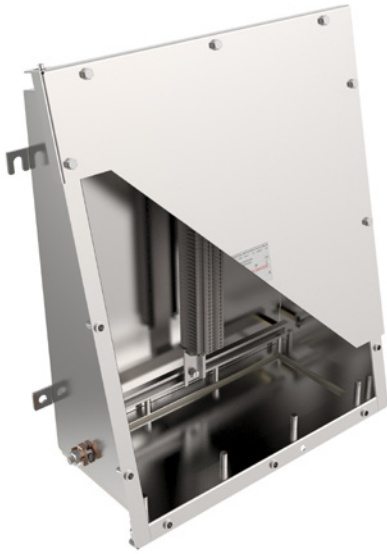
Terminal Type	Conductor Size (mm ²)		Max. Volts	Rail Orientation	Max. Physical Terminal Content			Reduced Terminal Content at Max Amps	
	Min.	Max.			Terminal Qty.	Rail Qty	Amps	Terminal Qty.	Amps
WDU 2.5	0.5	2.5	550	V	118	2	3	4	17
				H	132		3		
UT 2.5	0.5	2.5	690	V	116	2	4	9	15
				H	129		3		
WDU 4	0.5	4	690	V	98	2	4	4	22
				H	111		4		
UT 4	0.5	4	690	V	96	2	5	7	20
				H	109		5		
WDU 6	0.5	6	550	V	76	2	6	3	29
				H	84		6		
UT6	0.5	6	690	V	73	2	8	6	28
				H	81		7		
WDU 10	1.5	10	550	V	60	2	9	3	40
				H	66		8		
UT 10	1.5	10	690	V	58	2	11	5	39
				H	64		10		
WDU 16	1.5	16	690	V	50	2	12	2	53
				H	57		11		
UT 16	1.5	16	690	V	49	2	16	4	53
				H	56		15		
WDU 35	2.5	35	690	V	38	2	20	2	87
				H	42		19		
UT 35	2.5	35	690	V	38	2	23	4	70
				H	42		22		

* Max terminals are split across the quantity of terminal rails

12

EA 463820

Increased Safety Exe Dual Certified ATEX / IECEx



International Approvals

Selection Table								
Thread Size	M16	M20	M25	M32	M40	M50	M63	M75
Face B	36	22	15	9	6	3	2	1
Face C (Gland Plate)	46	30	21	12	10	5	3	3
Face C (no Gland Plate)	71	36	31	18	10	8	4	3
Face D	34	20	13	8	4	3	2	1

Terminal Capacity									
Terminal Type	Conductor Size (mm ²)		Max. Volts	Rail Orientation	Max. Physical Terminal Content			Reduced Terminal Content at Max Amps	
	Min.	Max.			Terminal Qty.	Rail Qty	Amps	Terminal Qty.	Amps
WDU 2.5	0.5	2.5	550	V	213	3	3	7	17
				H	180		3		
UT 2.5	0.5	2.5	690	V	209	4	4	13	15
				H	177				
WDU 4	0.5	4	690	V	177	4	4	6	22
				H	150				
UT 4	0.5	4	690	V	174	5	5	11	20
				H	148				
WDU 6	0.5	6	550	V	138	6	6	5	29
				H	117				
UT6	0.5	6	690	V	133	7	7	9	28
				H	113				
WDU 10	1.5	10	550	V	108	8	8	4	40
				H	93				
UT 10	1.5	10	690	V	105	10	10	7	39
				H	90				
WDU 16	1.5	16	690	V	90	11	11	4	53
				H	78				
UT 16	1.5	16	690	V	88	15	15	7	53
				H	76				
WDU 35	2.5	35	690	V	66	19	19	3	87
				H	57				
UT 35	2.5	35	690	V	66	22	22	6	70
				H	57				

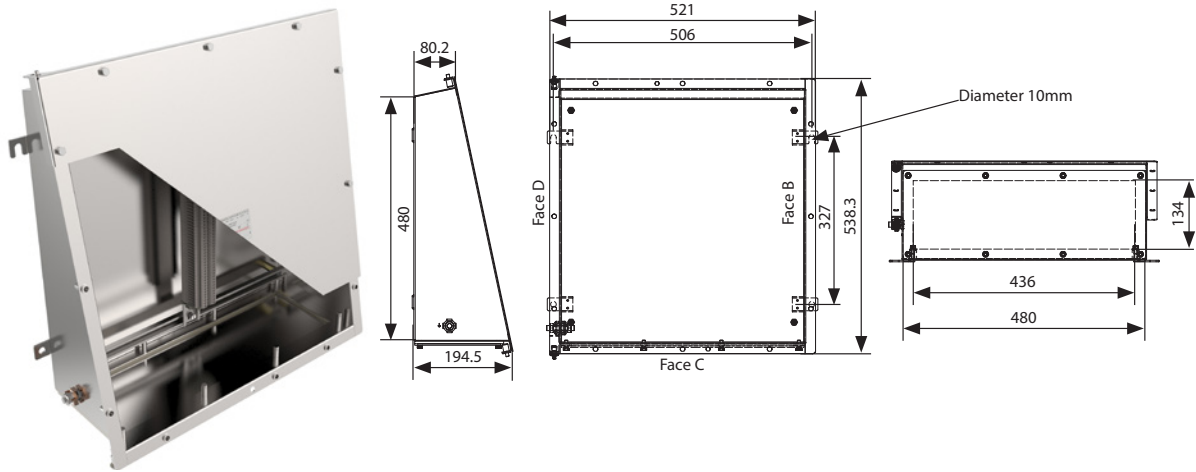
* Max terminals are split across the quantity of terminal rails



EA 484820

Increased Safety Exe Dual Certified ATEX / IECEx

12a



Selection Table								
Thread Size	M16	M20	M25	M32	M40	M50	M63	M75
Face B	41	24	16	10	6	4	2	1
Face C (Gland Plate)	56	40	30	17	13	7	5	4
Face C (no Gland Plate)	75	48	30	24	14	10	4	4
Face D	35	21	14	9	5	3	2	1

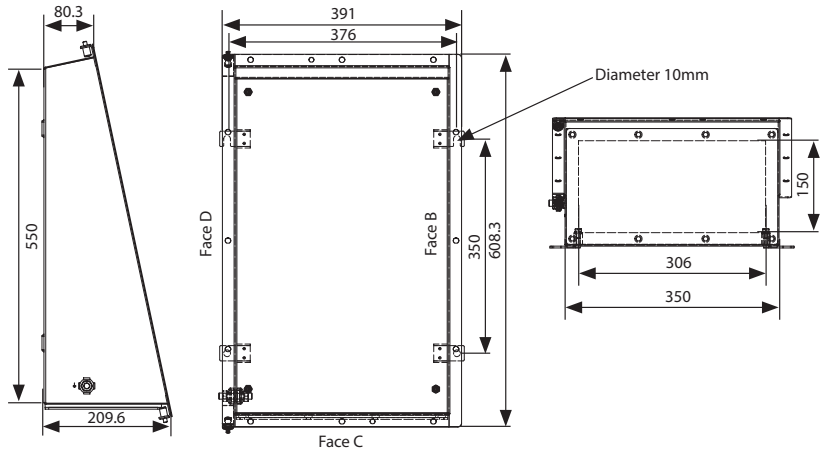
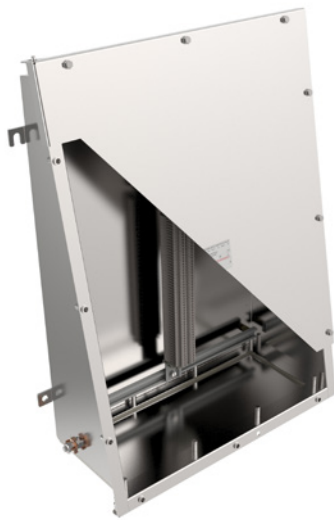
Terminal Capacity									
Terminal Type	Conductor Size (mm ²)		Max. Volts	Rail Orientation	Max. Physical Terminal Content			Reduced Terminal Content at Max Amps	
	Min.	Max.			Terminal Qty.	Rail Qty	Amps	Terminal Qty.	Amps
WDU 2.5	0.5	2.5	550	V	300	4	3	10	17
				H	316		3		
UT 2.5	0.5	2.5	690	V	294	4	4	21	15
				H	310		3		
WDU 4	0.5	4	690	V	252	4	4	10	22
				H	264		4		
UT 4	0.5	4	690	V	248	5	5	17	20
				H	260		5		
WDU 6	0.5	6	550	V	192	6	6	8	29
				H	204		5		
UT6	0.5	6	690	V	185	7	7	14	28
				H	197		7		
WDU 10	1.5	10	550	V	152	8	8	7	40
				H	164		8		
UT 10	1.5	10	690	V	148	11	11	11	39
				H	159		10		
WDU 16	1.5	16	690	V	128	11	11	6	53
				H	136		11		
UT 16	1.5	16	690	V	125	16	16	11	53
				H	133		15		
WDU 35	2.5	35	690	V	96	19	19	4	87
				H	100		19		
UT 35	2.5	35	690	V	96	23	23	10	70
				H	100		22		

* Max terminals are split across the quantity of terminal rails

12b

EA 553522

Increased Safety Exe Dual Certified ATEX / IECEx



Selection Table								
Thread Size	M16	M20	M25	M32	M40	M50	M63	M75
Face B	51	31	21	13	7	5	3	2
Face C (Gland Plate)	50	32	21	14	8	7	3	2
Face C (no Gland Plate)	66	45	28	18	15	8	6	3
Face D	46	27	20	11	7	4	3	2

Terminal Capacity									
Terminal Type	Conductor Size (mm ²)		Max. Volts	Rail Orientation	Max. Physical Terminal Content			Reduced Terminal Content at Max Amps	
	Min.	Max.			Terminal Qty.	Rail Qty	Amps	Terminal Qty.	Amps
WDU 2.5	0.5	2.5	550	V	356	4	4	20	17
				H	216		5		
UT 2.5	0.5	2.5	690	V	349	4	5	39	15
				H	212		6		
WDU 4	0.5	4	690	V	296	4	5	18	22
				H	180		7		
UT 4	0.5	4	690	V	291	4	6	33	20
				H	177		8		
WDU 6	0.5	6	550	V	228	4	7	15	29
				H	140		9		
UT 6	0.5	6	690	V	220	4	9	27	28
				H	135		12		
WDU 10	1.5	10	550	V	184	4	10	13	40
				H	112		13		
UT 10	1.5	10	690	V	179	4	13	22	39
				H	109		17		
WDU 16	1.5	16	690	V	152	4	14	11	53
				H	92		19		
UT 16	1.5	16	690	V	148	4	20	21	53
				H	90		25		
WDU 35	2.5	35	690	V	112	4	24	9	87
				H	68		31		
UT 35	2.5	35	690	V	112	4	29	19	70
				H	68		37		

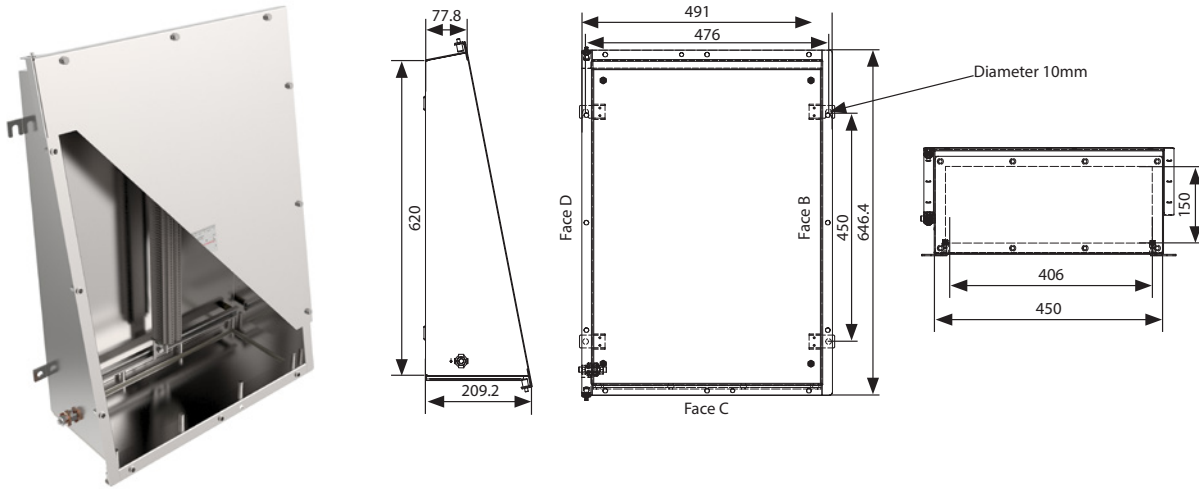
* Max terminals are split across the quantity of terminal rails



EA 624522

Increased Safety Exe Dual Certified ATEX / IECEx

12d



Selection Table								
Thread Size	M16	M20	M25	M32	M40	M50	M63	M75
Face B	54	34	24	13	9	5	3	2
Face C (Gland Plate)	65	44	28	18	12	10	5	3
Face C (no Gland Plate)	90	60	40	24	18	10	8	4
Face D	51	30	21	13	8	5	3	2

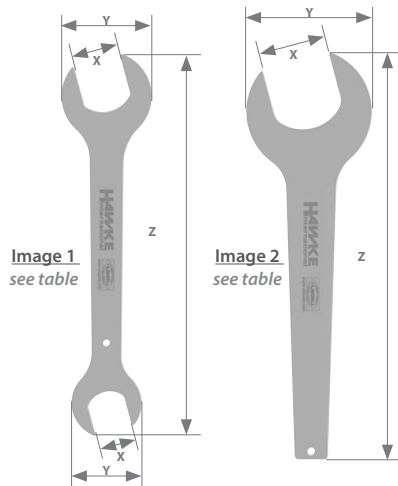
Terminal Capacity									
Terminal Type	Conductor Size (mm ²)		Max. Volts	Rail Orientation	Max. Physical Terminal Content			Reduced Terminal Content at Max Amps	
	Min.	Max.			Terminal Qty.	Rail Qty	Amps	Terminal Qty.	Amps
WDU 2.5	0.5	2.5	550	V	510	5	2	15	17
				H	365		3		
UT 2.5	0.5	2.5	690	V	500	5	3	29	15
				H	358		4		
WDU 4	0.5	4	690	V	425	5	4	14	22
				H	305		4		
UT 4	0.5	4	690	V	418	5	4	25	20
				H	300		5		
WDU 6	0.5	6	550	V	330	5	5	11	29
				H	235		6		
UT6	0.5	6	550	V	318	5	7	21	28
				H	226		8		
WDU 10	1.5	10	550	V	260	5	7	10	40
				H	190		9		
UT 10	1.5	10	690	V	252	5	10	17	39
				H	184		11		
WDU 16	1.5	16	690	V	220	5	10	9	53
				H	155		12		
WDU 16	1.5	16	690	V	215	5	14	16	53
				H	151		17		
WDU 35	2.5	35	690	V	160	5	18	7	87
				H	115		21		
UT 35	2.5	35	690	V	160	5	21	15	70
				H	115		25		

* Max terminals are split across the quantity of terminal rails

ACCESSORIES

Note: All dimensions are in millimetres unless otherwise stated

Everything you need to make our Easy Access range even easier to install and maintain, from gland spanners to stopping plugs – all available in one place.



GLAND SPANNERS

For all Hawke Cable Glands

Spanner Selection Table

Material	Mild steel zinc plated							
Image	1	A	1	C	2	2	2	2
Dimension	O	A	B	C	C2	D	E	F
A/F (X)	24	30	36	46	55	65	80	95
Thickness	4		4		6	6	6	6
Head Size (Y)	46	56	70	90	110	120	150	170
Overall Length (Z)	302.5		370.5		496.5	435.5	486.5	423.5

389

Breather Drain & Locknut

389 Selection Table

Thread Size	Thread Length	Across Flats	Across Corners
M20	15	30	32.5
M25	15	36	39.5

375

Domed Head Stopping Plug

375 Selection Table

Thread Size	'S' Dia. (mm)	Allen Key (mm)
M16	23.0	8
M20	27.5	10
M25	32.0	10
M32	39.0	10
M40	49.0	10
M50	59.0	10
M63	72.0	10
M75	84.0	10

487

Domed Head Stopping Plug

487 Selection Table

Thread Size	Thread Length	Overall Dia.	Allen Key
M16	15	24.0	6
M20	15	26.5	10
M25	15	34.0	10
M32	15	45.0	10
M40	15	51.5	10
M50	15	61.5	10
M63	15	74.5	10
M75	15	86.5	10

Ordering Example: *Product/Thread Size/Material/Finish*
389/M25/Brass Nickel Plate

ACCESSORIES

Note: All dimensions are in millimetres unless otherwise stated

TAG PLATE HOLDERS

For EA Enclosures

Tag Holder Plates		
Extra Label Qty	Label Size	Part Code
1	90mm x 18mm	JLBEATRAF1-920491
1	100mm x 45mm	JLBEATRAF1-920533
2	90mm x 18mm	JLBEATRAF2-920492
2	100mm x 45mm	JLBEATRAF2-920492



Tag plate holder with 3 tags installed



Removable QR code label

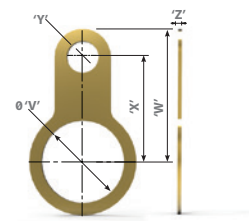
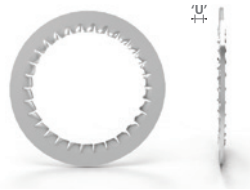
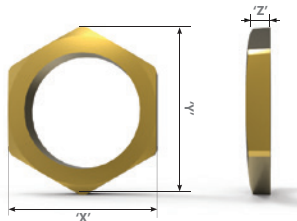
Tag Labels & Tag Plate Holders

The installer can remove the QR Label and replace with a tag label of choice. Tag plate holders can be used to adapt the number of fixing points and installation of up to 3 tags.

QR Code Label

The EA Range is supplied with a removable Stainless Steel QR code label, fixed via 2 x M3 door studs. This provides a link to current Assembly Instructions, Data Sheets, Spares & support.

Standard supported label sizes are: ● **90mmx18mm** (Single Line of Text) ● **100 mmx 45mm** (Double Line of Text)



LOCKNUTS | SERRATED WASHERS | EARTH TAGS

Locknuts Selection Table							
Gland Size	Across Flats 'X'	Across Corners 'Y'	'Z'	NPT* Gland Size	Across Flats 'X'	Across Corners 'Y'	'Z'
M16	22.0	24.0	3.7/4.7	-	-	-	-
M20	24.0	26.4	3.7/4.7	1/2"	27.0	29.7	3.0/4.0
M25	30.0	33.3	3.7/4.7	3/4"	30.5	33.5	3.7/4.7
M32	40.0	44.0	3.7/4.7	1"	36.0	39.5	6.0/7.0
M40	46.0	50.5	4.5/5.5	1 1/4"	46.0	50.5	6.0/7.0
M50	65.0	71.5	4.5/5.5	1 1/2"	55.0	60.6	6.0/7.0
M63	80.0	88.0	6.0/7.0	2"	65.0	70.8	6.0/7.0
M75	90.0	99.0	6.5/7.5	2 1/2"	80.0	90.0	6.0/7.0
M80	107.0	122.2	9.5/10.5	3"	95.0	107.0	6.0/7.0
M90	107.0	122.2	9.5/10.5	3 1/2"	128.0	143.0	8.5/9.5
M100	128.0	147.0	9.5/10.5	4"	128.0	143.0	8.5/9.5
M110	128.0	147.0	9.5/10.5	5"	170.0	187.0	9.5/10.5
M115	128.0	147.0	9.5/10.5	6"	200.0	220.0	9.5/10.5
M120	140.0	152.0	9.5/10.5	-	-	-	-
M130	150.0	165.0	9.5/10.5	-	-	-	-

Serrated Washers Selection Table			
Gland Size - Metric	Gland Size - NPT*	Thickness	'U'
M16	1/2"	1.5	1.5
M20	3/4"	1.5	1.5
M25	1"	1.5	1.5
M32	1 1/4"	1.5	1.5
M40	1 1/2"	1.5	1.5
M50	2"	1.5	1.5
M63	2 1/2"	1.5	1.5
M75	3"	1.5	1.5
M80	3 1/2"	1.5	1.5
M90	4"	1.5	1.5
M100	4 1/2"	1.5	1.5
M110	5 1/2"	1.5	1.5
M115	6"	1.5	1.5
M120	6"	1.5	1.5
M130	6"	1.5	1.5

EarthTags Selection Table				
Gland Size 'V'	'Y'	'W'	'X'	'Z'
M16	22.0	24.0	3.7/4.7	-
M20	24.0	26.4	3.7/4.7	1/2"
M25	30.0	33.3	3.7/4.7	3/4"
M32	40.0	44.0	3.7/4.7	1"
M40	46.0	50.5	4.5/5.5	1 1/4"
M50	65.0	71.5	4.5/5.5	1 1/2"
M63	80.0	88.0	6.0/7.0	2"
M75	90.0	99.0	6.5/7.5	2 1/2"
M80	107.0	122.2	9.5/10.5	3"
M90	107.0	122.2	9.5/10.5	3 1/2"
M100	128.0	147.0	9.5/10.5	4"
M110	128.0	147.0	9.5/10.5	5"
M115	128.0	147.0	9.5/10.5	6"
M120	140.0	152.0	9.5/10.5	-

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Hubbell Harsh & Hazardous

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