PRATLEY®

www.pratleyelectrical.com

EZEE-FIT® JUNCTION BOXES

For Explosive Atmospheres or General Purpose Applications

With transparent or black lid





Supplied with or without built-in glands

For Explosive Atmospheres
(also available for general purpose applications)

SABS APPROVED · IECEx · Ex · ABS · -20 °C +40 °C · IP66/68 · CORROSIVE AREAS · HAZARDOUS Ex e ZONE 1 AREAS · LSOH

CERTIFICATION
Ex e Ezee-Fit® Cable Junction Box

SABS APPROVED
MASC MS/20.9023X

IECEx
IECEx ICS 20.0031X
Ex eb I Mb
Ex eb IIC T6..T5 Gb
Ex tb IIIC T85C..T100C Db
IP68/IP66(2m-cont)

Ex I M 2
II 2 GD
TÜV 21 ATEX 8694X

CE 2813
Complies with EU ATEX Directive 2014/34/EU
Constructed to: EN/IEC 60079-0/7/31

ABS
21-HS1242928B-PDA

FEATURES & BENEFITS

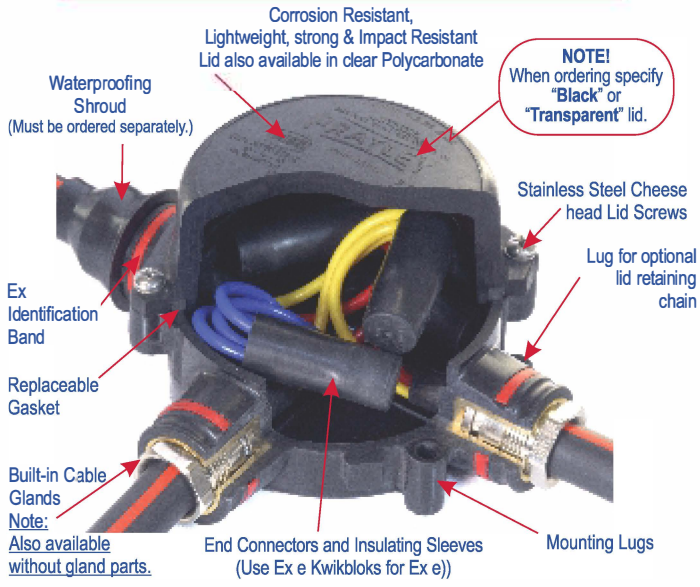
- Can be supplied with built-in Ex e cable glands
- Also available without gland parts
- Ex e and Ex n dual certified
- Unique red identification bands for quick Ex identification
- Quick and easy to fit
- Reinforced, impact and corrosion resistant thermoset material
- Unique encapsulated earth bar ensures earth continuity to all entries
- Internal earth stud
- Accommodates either armoured or unarmoured cables of various sizes.
- Numerous accessories available
- IP68 for total water and dust ingress protection
- Suitable for aggressive environments and burying underground
  (Orange coloured boxes can be supplied on request)

POLICY STATEMENT
"The performance of our products must exceed all others on the world market"
K G M Pratley

Sales Leaflet No. 020

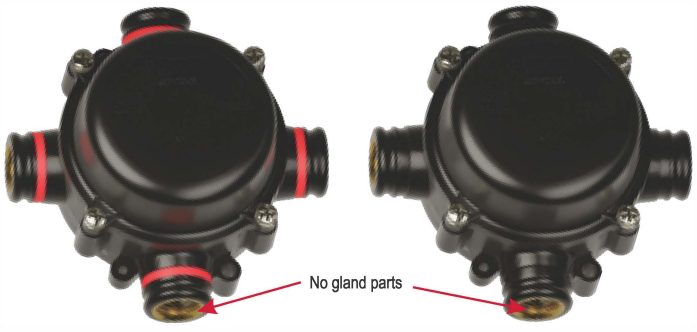
September 2025

PRATLEY EZEE-FIT JUNCTION BOX CONFIGURATIONS & SIZES



EZEE-FIT CABLE BOXES WITHOUT GLAND PARTS

The Ex e/n and Standard boxes can both be supplied without gland parts. Various entry configurations and sizes, for direct gland entry. They are also available with a black or transparent lid.



NOTE:
- Cable boxes "With Gland Parts" can be used with integral glands
- Cable boxes "Without Gland Parts" will not accomodate integral gland parts.

PRATLEY EZEE-FIT CABLE BOXES

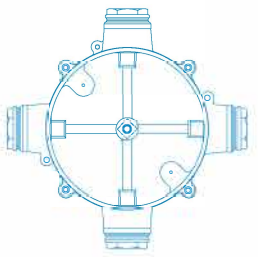
SIZE	BOX CONFIGURATION	With Gland Parts					Without Gland Parts				
		BOX ENTRY THREAD	Ex e/n		STANDARD		BOX ENTRY THREAD	Ex e/n		STANDARD	
			BLACK LID PROD. CODE	TRANS-PARENT LID PROD. CODE	BLACK LID PROD. CODE	TRANS-PARENT LID PROD. CODE		BLACK LID PROD. CODE	TRANS-PARENT LID PROD. CODE	BLACK LID PROD. CODE	TRANS-PARENT LID PROD. CODE
No. 0	Two way through box	M20 x 1.5	56022	56122	56200	56201	M20 x 1.5	57900	57904	57916	57920
	Three way "T" box		56023	56123	56202	56203		57901	57905	57917	57921
	Four way right angle		56024	56124	56204	56205		57902	57906	57918	57922
	Three way P/E Y-type		56048	56049	56197	56198		57903	57907	57919	57923
No. 1	Two way through box	M25 x 1.5	56025	56125	56206	56207	M20 x 1.5	56131	57940	57626	57977
	Three way "T" box		56026	56126	56208	56209		56132	57941	57627	57978
	Four way right angle		56027	56127	56212	56213		56133	57942	57628	57979
	Three way P/E Y-type		56053	74116	56210	56211		56134	57943	57629	57980
	Four way P/E H-type		56054	56055	56238	56239		57932	57949	57975	57976
No. 2	Two way through box	M32 x 1.5	56028	56128	56214	56215	M25 x 1.5	56135	57944	57630	57981
	Three way "T" box		56029	56129	56216	56217		56136	57945	57631	57982
	Four way right angle		56030	56130	56220	56221		56137	57946	57632	57983
	Three way P/E Y-type		56063	74126	56218	56219		56138	57947	57633	57984
	Four way P/E H-type		56064	56144	56222	56223		56139	57948	57641	57992
No. 3	Two way through box	M40 x 1.5	56031	56140	56224	56225	M32 x 1.5	57933	57950	57634	57985
	Three way "T" box		56032	56141	56226	56227		57934	57951	57635	57986
	Four way right angle		56033	56142	56230	56231		57935	57952	57636	57987
	Three way P/E Y-type		56065	56143	56228	56229		57936	57953	57637	57988
No. 4	Two way through box	M50 x 2	56034	56145	56232	56233	M40 x 1.5	57937	57954	57638	57989
	Three way "T" box		56035	56146	56234	56235		57938	57955	57639	57990
	Four way right angle		56036	56147	56236	56237		57939	57956	57640	57991

NB: Waterproofing shrouds must be ordered separately.

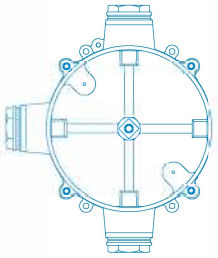
*** Orange coloured boxes can be supplied on request with longer lead times.**

NB: When ordering specify "black" or "transparent" lid.

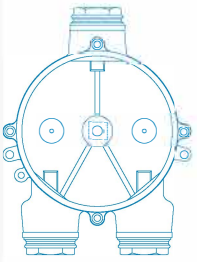
AVAILABLE CONFIGURATIONS



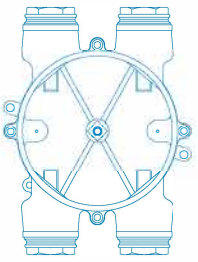
4-Way Right Angle Entry



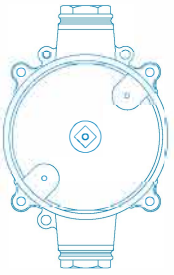
3-Way T-Box



3-Way Parallel Entry



4-Way Parallel Entry



2-Way Through Box

BOX SELECTION CHART FOR ARMOURED CABLE

This chart shows the maximum cable bedding diameter accommodated by each size of Junction Box. (Note: this table is only relevant when boxes are supplied with built-in glands)

NOTE: First 3 columns of this chart are based upon sizes published by cable manufacturers. Cable diameters do however vary. To be 100% sure, physically measure the bedding size and then select the appropriate box.

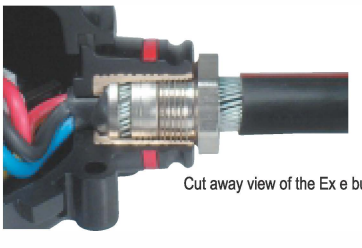
SWA/PVC CABLE BOX SELECTION CHART

Cable Size	No. of Cores	Box Size	Max. Bedding Dia. (Hole Ø in box entry)
1.5 mm²	2, 3, 4, 5, 7	0	12.6 mm
	12	1	15.7 mm
	19	2	20.4 mm
	27, 37	3	26.3 mm
2.5 mm²	2, 3, 4, 5	0	12.6 mm
	7	1	15.7 mm
	12	2	20.4 mm
	19, 27	3	26.3 mm
	37	4	34.7 mm
4 mm²	2, 3	0	12.6 mm
	5, 7, 4	1	15.7 mm
	12, 19	3	26.3 mm
	27	4	34.7 mm
6 mm²	2	0	12.6 mm
	3, 5	1	15.7 mm
	7	2	20.4 mm
10 mm²	2, 3	1	15.7 mm
	4	2	20.4 mm
16 mm²	2	1	15.7 mm
	3, 4	2	20.4 mm
25 mm²	2	1	15.7 mm
	3	2	20.4 mm
	4	3	26.3 mm
35 mm²	2	2	20.4 mm
	3, 4	3	26.3 mm
50 mm²	2	2	20.4 mm
	3	3	26.3 mm
	4	4	34.7 mm
70 mm²	3, 4	4	34.7 mm
95 mm²	3	4	34.7 mm

Use Product Code when ordering.

UNIQUE BUILT-IN GLAND FOR CONVENIENCE AND SAFETY

EZEE-FIT Boxes can be supplied with Built-in Cable Glands for SWA/PVC Cables. This means that additional glands need not be purchased and there is no danger of using non Ex rated glands. The Ex e rated built-in glands will maintain an IP68 rating against the ingress of water and dust. These glands can also be easily converted for use with unarmoured cable (see accessories on Page 4). They can also be replaced with reducing glands for smaller size cables.



Cut away view of the Ex e built-in cable gland.

EASE OF ELECTRICAL CONNECTION

In Zone 2, 21 and 22 areas, the connection of the conductors can be achieved by either making use of rail-mounted Pratley Kwikbloks® or the very convenient Pratley Non-sparking End Connectors.

SAFETY NOTE: For safety, in Zone 1 locations, use only Ex e approved Pratley Kwikbloks® and rails.



EZEE-FIT Junction box fitted with Pratley End Connectors and insulating Sleeves. (Not for Ex e applications)

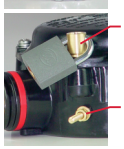
FACTORY FITTED TO CUSTOMER SPECIFICATION

"You specify we make"

Junction boxes can be factory fitted with an **N35 mounting rail**, with earth continuity being maintained between glands and rail. Pratley **Kwikbloks®** can also be factory fitted to the customer's specification. See chart below for maximum number of Pratley Kwikbloks® per cable box. **Spacers** for lifting the mounting rail so that wires can pass underneath, are also available. **Pre-cut lengths of cable** can also be factory fitted to boxes as per customer specification.

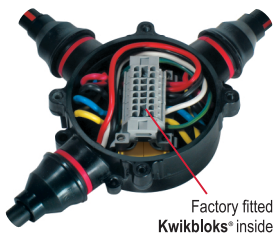


Factory fitted with a **Lid Securing Chain.**



Factory fitted with a **Lock-out Device.**

Factory fitted with an **External Earth Stud.**



Factory fitted **Kwikbloks®** inside EZEE-FIT Junction Box.

Box Size ↓	NUMBER OF PRATLEY KWIKBLOKS® PER EZEE-FIT BOX						
	IK3 750/800V 27A	IK5 750/800V 36A	IK10 750/800V 67A	IK16 750/800V 87A	IK25 750/800V 115A	IK50 750/800V 150A	IK70 750/800V 220A
	Ex e IK3 550V 15A	Ex e IK5 550V 21A	Ex e IK10 550V 37A	Ex e IK16 550V 40A	Ex e IK25 550V 63A	Ex e IK50 550V 98A	Ex e IK70 550V 121A
	Max.	Max.	Max.	Max.	Max.	Max.	Max.
0	10	8	N/A	N/A	N/A	N/A	N/A
1	11	10	N/A	N/A	N/A	N/A	N/A
2	17	14	11	8	*	N/A	N/A
3	24	20	16	12	8	6*	6*
4	25	22	16	13	9	6*	6*

Max.: Number of Kwikbloks® that can be fitted.
*Configurations where Pratley End Connectors are the preferred method of termination due to difficult bending and connecting of heavier conductors. (End Connectors are not approved for Ex e applications).

NON-SPARKING END CONNECTORS

PRATLEY NON-SPARKING END CONNECTORS		
Product Code	**Connector Size**	**Capacity Conductor Size**
63200	Dinky	2 x 16 mm²
63201	Small	2 x 25 mm²
63202	Medium	2 x 35 mm² plus 1 x 25mm²
63203	Large	3 x 35 mm² plus 1 x 25mm²
63204	Extra Large	3 x 70 mm² plus 1 x 50mm²

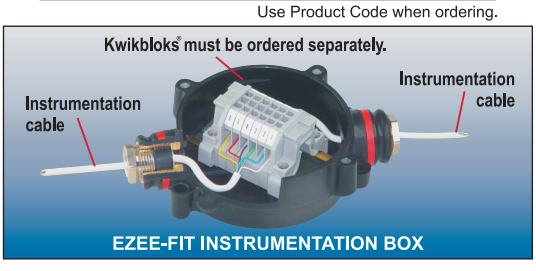
Ex e/n EZEE-FIT No. 0 INSTRUMENTATION BOX

For use when terminating extra small (Xs) diameter unarmoured instrumentation cables. Supplied complete with built-in Xs Conversion Kits for 3 mm to 6 mm diameter unarmoured cables.

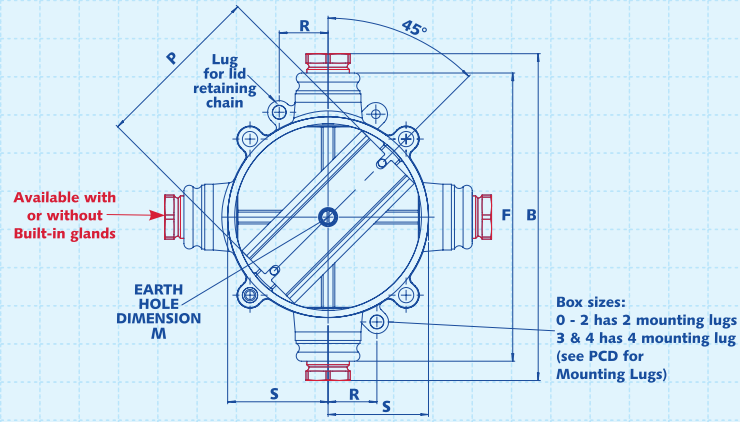
NOTE: Kwikbloks® and mounting rail for Kwikbloks® must be ordered separately.

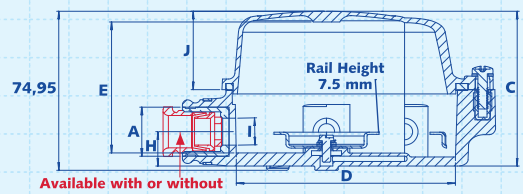
PRATLEY Ex e/n INSTRUMENTATION BOX			
Size	**Configuration**	**Product Code**	**Usual pack Qty.**
0	Two way through box	56009	1
	Three way T-box	56010	1
	Four way right angle	56011	1

Use Product Code when ordering.



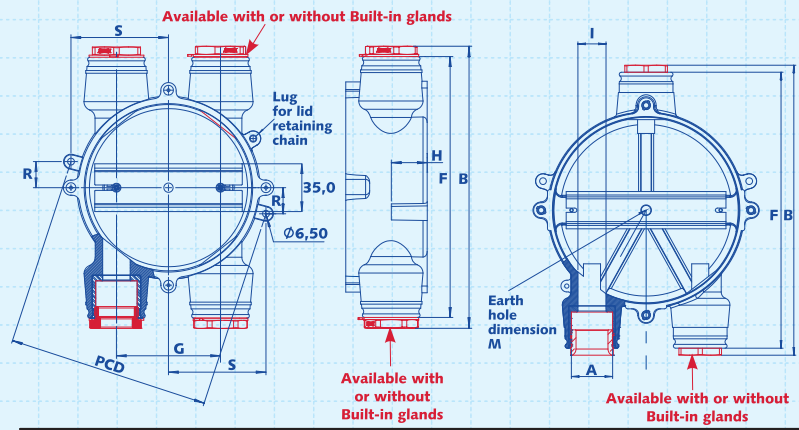
DIMENSIONS & SPECIFICATIONS







Ex e/n EZEE-FIT JUNCTION BOX DIMENSIONS — RIGHT ANGLE ENTRY BOX																		
Size	A Entry Thread with Gland Parts	Entry Thread without Gland Parts	B Across Entries	C Overall Height		D Internal Diam.	E Internal Depth		F	H	I Bore	J Lid Height		PCD for Mounting Lugs	L	M Tapped Earth Stud Hole	P Rail Length	R	S
				Black Lid	PC. Lid		Black Lid	PC. Lid				Black Lid	PC. Lid						
0	20 x 1.5P	20 x 1.5P	144.8	80.6±1	75±1	88.9	62±1	58.9±1	135.8	16.2	12.6	42.6	37	109.0	18.2	M4 x 6	80	22.5	49.4
1	25 x 1.5P	20 x 1.5P	169.4	88.7±1	84±1	98.0	69.2±1	68.7±1	158.2	21.6	15.7	44.7	40	118.0	21.6	M4 x 6	80	25.4	53.6
2	32 x 1.5P	25 x 1.5P	201.8	97.8±1	98.3±1	123.4	76.6±1	80.4±1	191	26.3	20.4	44.4	44.9	145.0	26.3	M6 x 8	108	31.8	65.1
3	40 x 1.5P	32 x 1.5P	271.0	132.8±1	132.8±1	175.4	112.3±1	110.3±1	259.1	33.8	26.3	66	66	196.0	33.8	M8 x 8	150	47.6	86.7
4	50 x 2.0P	40 x 2.0P	323.6	145.2±1	145.2±1	224.7	122±1	121.7±1	309.3	39.2	34.7	67.4	67.4	248.5	39.2	M8 x 8	150	60.3	109.9



Ex e/n EZEE-FIT JUNCTION BOX DIMENSIONS — Y TYPE																	
Size	A Entry Thread with Gland Parts	Entry Thread without Gland Parts	B Across Entries	C Overall Height		D Internal Diam.	E Internal Depth		F	G	H	I Bore	PCD for Mounting Lugs	M Tapped Earth Stud Hole	P Rail Length	R	S
				Black Lid	PC. Lid		Black Lid	PC. Lid									
1	25 x 1.5P	20 x 1.5P	169.4	94.9±1	90.2±1	98.0	75.4±1	74.9±1	158.2	63.5	21.5	15.7	118.0	M4 x 6	80	15.6	56.4
2	32 x 1.5P	25 x 1.5P	201.8	104±1	104.5±1	123.4	82.8±1	86.6±1	191	76.5	26.3	20.4	147.5	M6 x 8	108	19.1	71.4
3	40 x 1.5P	32 x 1.5P	271.0	140.1±1	140.1±1	176.0	116.8±1	114.8±1	259.1	101.6	33.8	26.3	196.1	M8 x 8	150	25.5	95.1
H TYPE																	
1	25 x 1.5P	20 x 1.5P	169.4	95.9±1	91.2±1	98.0	74.2±1	73.7±1	158.2	63.5	21.5	15.7	118.0	M4 x 6	80	15.6	56.4
2	32 x 1.5P	25 x 1.5P	201.8	104±1	104.5±1	123.4	82.8±1	86.6±1	191	76.2	26.3	20.4	147.5	M6 x 8	108	19.1	71.4

SPECIFICATION GUIDE

***NOTE: Specifiers may use this wording to specify the Pratley EZEE-FIT Junction Box.**

The Junction box must:

- Be dual-certified Ex e/n and be easily identifiable as Ex certified through the use of coloured identification bands on the entries.
- Be made from high strength, impact-resistant, reinforced engineering plastic suitable for use in aggressive environments and burying.
- Be supplied complete with the option of having built-in cable glands, with earthing continuity being maintained by an encapsulated earth bar and internal earth boss.
- Be convertible for use with armoured or unarmoured cables.
- Offer IP68/66 protection for sealing against water and dust.
- Be available in a range of sizes (up to No. 4 with 50 mm entry threads) and configurations.
- Have a mechanical lock-out device available as an accessory.

ACCESSORIES

Refer to the following Sales Leaflets for further detailed information on:
Pratley Kwikbloks® - Sales Leaflet No. **061**
Pratley End Connectors and sleeves - Sales Leaflet No. **060**

EZEE-FIT Ex e/n REDUCING GLANDS AND SHROUDS

Nickel plated Reducing glands replace the EZEE-FIT box gland parts to enable a smaller SWA cable to be fitted.
A conversion kit may also be fitted into a Reducing Gland if small unarmoured cable is to be terminated.

HAZARDOUS Ex e ZONE 1 AREAS

EZEE-FIT Reducing Glands are Ex e/n rated. Reducing Shrouds cover and protect the reducing gland completely.



EZEE-FIT REDUCING GLANDS

Box Size	Gland Size	Product Code	Usual pack Qty.
1	25 - 20	58100	10
2	32 - 20	58200	10
	32 - 25	58210	10
3	40 - 20	58300	10
	40 - 25	58310	10
	40 - 32	58320	10
4	50 - 20	58400	10
	50 - 25	58410	10
	50 - 32	58420	10
	50 - 40	58430	10

REDUCING SHROUDS

Size	Product Code	Usual pack Qty.
1R	35111	20
2R	35211	20
3RS	35310	20
3R	35311	20
4RS	35410	20
4R	35411	20

EZEE-FIT GLAND PARTS

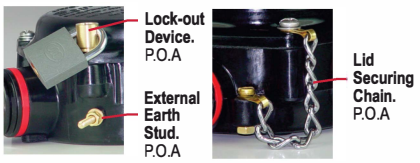
EZEE-FIT box built-in glands can be supplied prefitted in the box or the parts can also be supplied separately if required.
NOTE: These parts cannot be used in Ezee-fit Cable Boxes without gland parts.



PRATLEY EZEE-FIT GLAND PARTS

Size	0	1	2	3	4
Product Code	57050	57051	57052	57053	57054

OPTIONAL FACTORY FITTED



OPTIONAL FACTORY FITTED

N35 Mounting Rail



N35 MOUNTING RAIL

Box Size	Product Code
0	30110
1	30110
2	30111
3	30112
4	30112

Spacers

See Sales Leaflet No. 061



SPACERS

Size	Product Code
10 mm	30001
20 mm	30000

EZEE-FIT Ex e/n COMPRESSION CONVERSION KITS

Compression Conversion Kits enable unarmoured cable to be fitted to the EZEE-FIT Junction Box. The kits replace the Inner Seal, Cone Bush and Cone Ring of the standard built-in gland (or Reducing gland) for SWA/PVC cable.
The No. ***0xs kit** reduces the capacity of the No. 0 EZEE-FIT Box to accommodate smaller diameter instrumentation cable.

The No. ***1Rxs kit** reduces the capacity of the No. 1 EZEE-FIT Box to accommodate smaller diameter instrumentation cable.



EZEE-FIT COMPRESSION CONVERSION KITS

Box Size	Kit Size	Cable Dia Min	Cable Dia Max	Product Code	Usual pack Qty.
Nº 0	*0xs	3.0	6.0	62000	10
	0s	4.5	8.5	62001	10
	0L	8.5	12.6	62002	10

EZEE-FIT COMPRESSION CONVERSION KITS

Box Size	Kit Size	Cable Dia Min	Cable Dia Max	Product Code	Usual pack Qty.
Nº 1	1	12.6	15.7	62011	10
Nº 2	2	15.7	20.4	62021	10
Nº 3	3	20.4	26.3	62032	10
Nº 4	4	26.3	34.7	62042	10

EZEE-FIT COMPRESSION CONVERSION KITS

Box Size	Kit Size	Cable Dia Min	Cable Dia Max	Product Code	Usual pack Qty.
Nº 1	1Rs	8.5	12.6	62043	10
	*1Rxs	3.0	8.0	62003	10



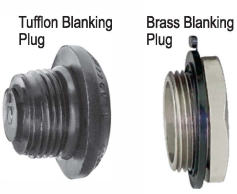
Kit Nº 1: 1 bush & 4 washers
Kit Nº 2: 1 bush & 3 washers
Kit Nº 3: 1 bush & 4 washers
Kit Nº 4: 1 bush & 4 washers

BLANKING PLUGS

Box entries may be sealed by means of a Blanking Plug. To bring an entry into use again, remove the plug and fit the appropriate gland parts.

HAZARDOUS Ex e ZONE 1 AREAS

These plugs, when properly fitted, maintain the IP68/66 rating of the EZEE-FIT Box.



PRATLEY EZEE-FIT BLANKING PLUGS

Size	Entry Thread	Nickel Plated Brass Product Code	Tufflon Product Code	Usual pack Qty.
No. 0	20 mm	61080	57800	10
No. 1	25 mm	61081	57801	10
No. 2	32 mm	61082	57802	10
No. 3	40 mm	61083	57803	10
No. 4	50 mm	61084	57804	10

REPLACEMENT LID SCREWS



Stainless Steel screws complete with washers.

REPLACEMENT COVER SCREWS

Cover Size	Screw Size	Product Code	Pack Qty.
0, 1 & 2	M5	57094	12
3 & 4	M6	57095	12

CONDUIT ADAPTORS

EZEE-FIT Junction Boxes accept conduit directly into the entries as follows:
No. 0 - 20 mm, No. 1 - 25 mm, No. 2 - 32 mm, No. 3 - 40 mm.

Adaptors are available to reduce the entry thread size and allow the fitting of different size conduit to the box entries. They also enable the fitting of conduit to the No. 4 box.



PRATLEY EZEE-FIT CONDUIT ADAPTORS

Box No.	To	Conduit	Product Code	Usual pack Qty.
1	—	20 mm	68101	10
2	—	20 mm	68220	10
	—	25 mm	68225	10
3	—	20 mm	68320	10
	—	25 mm	68325	10
	—	32 mm	68332	10
4	—	25 mm	68425	10
	—	32 mm	68432	10
	—	40 mm	68440	10
	—	50 mm	68450	10

REPLACEMENT LID GASKETS

The gaskets ensure a waterproof (IP68) seal and are very easy to fit. Gaskets should be replaced whenever inspection reveals deterioration.



REPLACEMENT GASKETS

Size	Product Code	Usual Pack Qty.
0	57097	1
1	57098	1
2	57099	1

PRATLEY NON-SPARKING END CONNECTORS AND INSULATING SLEEVES

(Not for Ex e applications)

Non-sparking Connectors may be used with Pratley EZEE-FIT Junction Boxes in Ex n and non Ex applications.



See Sales Leaflet No. 060

PRATLEY NON-SPARKING END CONNECTORS

Size	Dinky	Small	Medium	Large	Extra Large
Catalogue No.	63200	63201	63202	63203	63204
Usual Pack Qty.	100	50	20	20	10

PRATLEY INSULATING SLEEVES

Size	2/D	3/S	4/M	5/L	6/XL
Catalogue No.	04014	04015	04016	04017	04018
Usual Pack Qty.	50	25	20	10	10

Black Ezee-Fit Box Lid. Ex e/n or Standard, supplied complete with stainless steel screws and rubber gasket ready to fit. (Orange coloured standard lids can be supplied on request).





Ex e/n & STANDARD EZEE-FIT CABLE BOX LIDS

PRATLEY EZEE-FIT CABLE BOX LIDS (BLACK & TRANSPARENT)

Size	Ex e/n		Standard	
	Black Cat No.	Transparent (Polycarbonate) Cat. No.	Black Cat No.	Transparent (Polycarbonate) Cat. No.
0	56150	57120	56240	56245
1	56151	57121	56241	56246
2	56152	57122	56242	56247
3	56153	57123	56243	56248
4	57154	57124	56244	56249

Transparent Ezee-Fit Lid (Polycarbonate). Ex e/n or Standard, supplied complete with stainless steel screws and rubber gasket ready to fit.

Pratley (Pty) Limited (Reg. No. 1996/003890/07)
Jackson Street • Factoria • Krugersdorp • Gauteng
PO Box 3055, Kenmare 1745 • Gauteng • South Africa
www.pratleyelectrical.com

Telephone +27 11 955 2190/8
e-mail: sales@pratley.co.za

/PratleySA @PratleySA /PratleySA /company/pratleysa