

# PRATLEY<sup>®</sup> SIZE SELECTION CHART FOR ARMoured CABLE

\*:- Note: These gland sizes\* may be one size up, please measure actual cable size and compare with the min/max sizes in the appropriate glands group.

Cable Size (mm <sup>2</sup> )	N° Cores	Steel Wire Armouring (SWA)			Cable Size (mm <sup>2</sup> )	N° Cores	Steel Wire Armouring (SWA)		
		Approx. Min cable bedding Ø	Approx. Max cable bedding Ø	Suitable Gland Group A+B Size (0s,1,2,...)			Approx. Min cable bedding Ø	Approx. Max cable bedding Ø	Suitable Gland Group A+B Size (0s,1,2,...)
1.0	2	8.0	9.5	A: 00/0s*; B: 0s;	10	2	12.3	13.5	A: 0*; B: 0L*;
1.0	3	9.1	9.6	A: 0; B: 0s;	10	3	13.1	20.7	A: 1*; B: 1s*;
1.0	4	9.5	10.4	A: 0; B: 0s*;	10	4	14.5	16.4	A: 1*; B: 1L*;
1.0	7	10.2	10.5	A: 0; B: 0L;	10	5	17.2	19.0	A: 2; B: 2s*;
1.0	12	13.0	13.5	A: 1; B: 1s;	10	7	15.0	20.0	A: 2; B: 1L*;
1.0	19	15.6	16.0	A: 2; B: 1L*;	16	2	14.3	15.5	A: 1; B: 1L;
1.0	27	20.0	20.5	A: 2*; B: 2L*;	16	3	15.3	22.8	A: 1*; B: 1L*;
1.0	37	22.0	23.0	A: 3; B: 3s;	16	4	17.0	19.8	A: 2; B: 2s*;
1.5	2	7.3	9.1	A: 00/0s*; B: 0s*;	16	5	20.0	21.5	A: 2; B: 2L*;
1.5	3	7.8	9.9	A: 00/0s*; B: 0s*;	16	7	18.1	18.5	A: 2; B: 2L*;
1.5	4	8.5	10.9	A: 0; B: 0s*;	25	2	14.0	14.7	A: 1; B: 1s*;
1.5	5	9.7	12.3	A: 0; B: 0s*;	25	3	17.7	24.9	A: 2*; B: 2s*;
1.5	7	10.0	14.2	A: 0*; B: 0s*;	25	4	20.6	21.5	A: 3; B: 3s;
1.5	8	12.6	15.2	A: 1; B: 0L*;	25	5	24.7	26.5	A: 3*; B: 3L*;
1.5	10	14.8	15.4	A: 1; B: 1L;	25	7	21.0	21.5	A: 3; B: 3s;
1.5	12	13.7	15.8	A: 1*; B: 1s*;	35	2	16.0	16.8	A: 2; B: 2s;
1.5	14	16.2	17.6	A: 2; B: 2s;	35	3	19.3	21.3	A: 2*; B: 2L*;
1.5	19	16.2	20.5	A: 2*; B: 2s*;	35	4	21.9	24.0	A: 3; B: 3s*;
1.5	24	21.7	22.4	A: 3; B: 3s;	35	5	27.8	29.5	A: 4; B: 4s;
1.5	27	20.0	22.9	A: 2*; B: 2L*;	50	2	18.0	19.0	A: 2; B: 2s*;
1.5	30	23.7	23.9	A: 3; B: 3L;	50	3	21.7	24.2	A: 3; B: 3s*;
1.5	37	22.3	26.7	A: 3*; B: 3s*;	50	4	25.0	28.1	A: 3*; B: 3L*;
2.5	2	8.5	9.0	A: 0; B: 0s;	50	5	31.8	32.4	A: 4; B: 4L;
2.5	3	9.2	10.0	A: 0; B: 0s;	70	2	21.0	22.0	A: 3; B: 3s;
2.5	4	9.9	10.6	A: 0; B: 0s*;	70	3	24.7	27.0	A: 3*; B: 3L*;
2.5	5	11.5	13.0	A: 0*; B: 0L*;	70	4	29.2	31.5	A: 4; B: 4s*;
2.5	7	11.0	13.0	A: 0*; B: 0L*;	95	2	24.7	25.1	A: 3; B: 3L;
2.5	8	12.0	13.0	A: 0*; B: 0L*;	95	3	28.6	31.1	A: 4; B: 4s*;
2.5	10	16.0	16.6	A: 2; B: 2s;	95	4	33.3	36.0	A: 4*; B: 4L*;
2.5	12	16.3	18.1	A: 2; B: 2s*;	95	5	42.0	43.0	A: 5; B: 5L;
2.5	14	18.0	19.0	A: 2; B: 2s*;	120	2	27.2	27.9	A: 4; B: 4s;
2.5	19	19.9	21.4	A: 2*; B: 2L*;	120	3	31.0	33.5	A: 4; B: 4L;
2.5	24	24.7	25.1	A: 3; B: 3L;	120	4	35.4	40.0	A: 5; B: 5s*;
2.5	27	24.0	25.7	A: 3; B: 3L;	150	2	29.5	30.9	A: 4; B: 4s*;
2.5	30	26.0	26.6	A: 3*; B: 3L*;	150	3	33.9	37.0	A: 4*; B: 4L*;
2.5	37	26.9	29.4	A: 4; B: 4s;	150	4	39.3	44.0	A: 5*; B: 5L*;
4	2	9.4	11.0	A: 0; B: 0s*;	185	2	37.0	37.8	A: 5; B: 5s;
4	3	10.0	11.5	A: 0; B: 0s*;	185	3	37.8	42.0	A: 5; B: 5s*;
4	4	11.0	12.5	A: 0; B: 0L;	185	4	44.5	49.0	A: 6; B: 6s;
4	5	13.0	14.5	A: 1; B: 1s*;	240	2	41.8	42.6	A: 5; B: 5L;
4	7	12.0	15.0	A: 0*; B: 0L*;	240	3	42.6	47.0	A: 5*; B: 5L*;
4	8	17.3	18.1	A: 2; B: 2s*;	240	4	50.0	55.0	A: 6; B: 6L;
4	10	19.7	20.2	A: 2; B: 2L;	300	2	49.0	49.8	A: 6; B: 6s*;
4	12	20.4	21.0	A: 3; B: 3s;	300	3	49.8	52.0	A: 6; B: 6L;
4	14	22.0	22.8	A: 3; B: 3s;	300	4	58.0	61.0	A: 7;
4	19	24.9	25.0	A: 3; B: 3L;	400	2	61.0	63.0	A: 7;
6	2	10.5	12.0	A: 0; B: 0L;	400	3	62.5	64.0	A: 7;
6	3	11.2	13.0	A: 0*; B: 0L*;	400	4	64.0	68.0	A: 7*;
6	4	12.3	14.0	A: 0*; B: 0L*;	400+	Measure Actual Cable Diameter			A: 8*
6	5	14.5	16.0	A: 1*; B: 1L*;	*:- Note: These gland sizes may be one size up, please measure actual cable size and compare with the min/max sizes in the appropriate glands group.				
6	7	13.5	17.5	A: 1*; B: 1s*;	<b>NB!</b>				

GROUP <b>A</b>	Applicable to: Adjustable Gland, Zed Retained Cone Gland, Zed Loose cone Gland, Ultra Gland, Ex e Envirogland (Black/Green), Ex e Gland, # Ex e Flameproof Taper-Tech Double Compression Gland for SWA & Braided Cable, Ezee-fit Cable Box Built-in SWA Glands, Aluminium Alloy Cable Box Built-in SWA Gland			
	Cable (Bedding/Lead Sheath) Diameter			
Gland Size	min	max	min	max
	All # only			
00	6.5	8.5		
0s	6.5	8.5		
0	8.5	12.6		
1	12.6	15.7	12.6	14.7
2	15.7	20.4	14.7	20.4
3	20.4	26.3		
4	26.3	34.7		
5	34.7	43.3		
6s			43.3	49.3
6	43.3	55.8		
6L			49.3	55.8
7	55.8	67.5		
8	67.5	73.8		

GROUP <b>B</b>	Applicable to: Ex d/e Flameproof Cable Glands (non Taper-Tech version)	
	Cable Bedding Diameter	
Gland Size	min	max
	0s	8.0
0L	10.2	12.6
1s	12.6	14.2
1L	14.2	15.7
2s	15.7	18.0
2L	18.0	20.4
3s	20.4	23.4
3L	23.4	26.4
4s	26.4	30.6
4L	30.6	34.8
5s	34.8	39.1
5L	39.1	43.5
6s	43.5	49.7
6L	49.7	56.0

SUITABLE GROUP FOR LEAD SHEATH (SWA) CABLE			
GROUP <b>H</b>	Applicable to: HV Tape Armoured Municipal & Petro Glands (Lead Sheath SWA Cables only)		
	Gland Size	Lead Bedding Diameter	
min		max	
5	36.0	44.5	3C x 35/50/70
6	44.5	55.0	3C x 95/120/150
7	55.0	63.0	3C x 185/240

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# PRATLEY<sup>®</sup> SIZE SELECTION CHART FOR UNARMoured CABLE

\*.- Note: These gland sizes\* may be one size up, please measure actual cable size and compare with the min/max sizes in the appropriate glands group.

Cable Size (mm <sup>2</sup> )	N° Cores	UNARMoured				Cable Size (mm <sup>2</sup> )	N° Cores	UNARMoured			
		Approx. Min cable outer ø	Approx. Max cable outer ø	Suitable Gland Group Size (0s,1,2,..)	C, D, E, F OR G			Approx. Min cable outer ø	Approx. Max cable outer ø	Suitable Gland Group Size (0s,1,2,..)	C, D, E, F OR G
0.5	2	5.2	6.2	C: 00/0s; E: 00/0s; F: 00/0s; G: 0xs*	6	2	14.8	15.1	C: 1; D: 2s; E: 2; F: 2; G: 1;		
0.5	3	5.5	6.3	C: 00/0s; E: 00/0s; F: 00/0s; G: 0xs*	6	3	15.0	16.2	C: 2; D: 2s; E: 2; F: 2; G: 1*		
0.5	4	5.7	6.0	C: 00/0s; E: 00/0s; F: 00/0s; G: 0xs;	6	4	16.7	18.0	C: 2; D: 2s*; E: 2; F: 2; G: 2;		
0.75	2	6.2	6.4	C: 00/0s; E: 00/0s; F: 00/0s; G: 0s;	6	5	20.1	20.1	C: 2; D: 3s; E: 3; G: 2;		
0.75	3	6.1	7.1	C: 00/0s; E: 00/0s; F: 00/0s; G: 0s;	6	7	20.0	20.4	C: 2; D: 2L*; E: 3; G: 2;		
0.75	4	7.2	7.8	C: 00/0s; E: 00/0s; F: 00/0s; G: 0s;	10	2	20.3	20.3	C: 2; D: 3s; E: 3; G: 2;		
0.75	7	8.0	8.7	C: 0; D: 0s; E: 00/0s; F: 00/0s; G: 0s;	10	3	21.0	21.8	C: 3; D: 3s; E: 3; G: 3;		
1.0	2	6.6	8.9	C: 00/0s*; D: 0s*; E: 00/0s; F: 00/0s; G: 0s;	10	4	20.0	23.8	C: 2*; D: 2L*; E: 3; G: 2*;		
1.0	3	7.0	9.6	C: 00/0s*; D: 0s*; E: 00/0s*; F: 0L; G: 0s*;	10	5	25.7	26.2	C: 3; D: 3L; E: 3; G: 3;		
1.0	4	8.0	10.6	C: 0; D: 0s; E: 0; F: 0L; G: 0s*;	10	7	23.2	23.4	C: 3; D: 3L; E: 3; G: 3;		
1.0	7	8.5	9.3	C: 0; D: 0s; E: 0; F: 0L; G: 0s;	16	2	22.0	22.6	C: 3; D: 3s; E: 3; G: 3;		
1.5	2	7.8	10.0	C: 00/0s*; D: 0s*; E: 00/0s*; F: 0L; G: 0s*;	16	3	23.8	24.2	C: 3; D: 3L; E: 3; G: 3;		
1.5	3	8.3	10.7	C: 0; D: 0s; E: 0; F: 0L; G: 0s*;	16	4	23.0	26.4	C: 3*; D: 3s*; E: 3; G: 3*;		
1.5	4	9.3	11.7	C: 0; D: 0s*; E: 0*; F: 1; G: 0s*;	16	5	28.8	29.5	C: 4; D: 4s; E: 4; G: 4;		
1.5	5	10.0	13.0	C: 0*; D: 0s*; E: 1; F: 1; G: 0L*;	25	2	27.0	27.7	C: 4; D: 4s; E: 4; G: 4;		
1.5	7	10.9	15.4	C: 0*; D: 0s*; E: 0*; F: 0L*; G: 0L*;	25	3	29.0	29.7	C: 4; D: 4s; E: 4; G: 4;		
1.5	8	15.4	15.8	C: 2; D: 2s; E: 2; F: 2; G: 1*;	25	4	26.2	32.9	C: 3*; D: 3L*; E: 4; G: 3*;		
1.5	10	15.8	19.4	C: 2; D: 2s*; E: 2; F: 2*; G: 2;	25	5	31.0	31.7	C: 4; D: 4L; E: 4; G: 4;		
1.5	12	19.5	20.1	C: 2; D: 2L*; E: 3; G: 2;	35	2	32.5	33.0	C: 4; D: 4L; E: 4; G: 4;		
1.5	14	20.1	22.0	C: 2*; D: 3s; E: 3; G: 2*;	35	3	33.0	33.6	C: 4; D: 4L; E: 4; G: 4;		
1.5	19	23.1	23.6	C: 3; D: 3L; E: 3; G: 3;	35	4	31.8	32.3	C: 4; D: 4L; E: 4; G: 4;		
1.5	24	27.0	27.5	C: 4; D: 4s; E: 4; G: 4;	35	5	32.3	33.0	C: 4; D: 4L; E: 4; G: 4;		
1.5	27	27.5	30.0	C: 4; D: 4s; E: 4; G: 4;	50	2	38.0	39.0	C: 5; D: 5s*; E: 5;		
1.5	30	30.0	30.5	C: 4; D: 4s*; E: 4; G: 4;	50	3	39.0	39.5	C: 5; D: 5L; E: 5;		
1.5	37	30.6	31.5	C: 4; D: 4L; E: 4; G: 4;	50	4	43.3	43.6	C: 6; D: 6s; E: 5;		
2.5	2	9.6	11.7	C: 0; D: 0s*; E: 0*; F: 1; G: 0L;	50	5	43.0	44.0	C: 5*; D: 5L*; E: 5;		
2.5	3	10.3	12.5	C: 0; D: 0s*; E: 1; F: 1; G: 0L;	70	2	41.0	42.0	C: 5; D: 5L; E: 5;		
2.5	4	11.9	13.8	C: 1; D: 0L*; E: 1; F: 1*; G: 0L*;	70	3	42.0	42.9	C: 5; D: 5L; E: 5;		
2.5	5	12.2	15.3	C: 1; D: 0L*; E: 1*; F: 1*; G: 0L*;	70	4	47.0	47.6	C: 6; D: 6s; E: 6;		
2.5	7	13.2	17.8	C: 1*; D: 0L*; E: 1*; F: 2; G: 1*;	95	2	49.5	49.8	C: 6; D: 6L; E: 6;		
2.5	8	17.8	19.0	C: 2; D: 2L; E: 2; F: 2; G: 2;	95	3	49.5	50.1	C: 6; D: 6L; E: 6;		
2.5	10	19.1	23.0	C: 2*; D: 2L*; E: 3; F: 2*; G: 2*;	95	4	55.8	56.0	C: 7s; E: 7;		
2.5	12	23.1	23.3	C: 3; D: 3L; E: 3; G: 3;	120	2	53.0	53.5	C: 6; D: 6L; E: 6;		
2.5	14	23.3	26.8	C: 3*; D: 3L*; E: 3*; G: 3*;	120	3	53.5	54.0	C: 6; D: 6L; E: 6;		
2.5	19	26.9	27.5	C: 4; D: 4s; E: 4; G: 4;	120	4	59.0	59.9	C: 7; E: 7;		
2.5	24	31.8	32.4	C: 4; D: 4L; E: 4; G: 4;	150	2	58.0	59.0	C: 7; E: 7;		
2.5	27	32.4	33.0	C: 4; D: 4L; E: 4; G: 4;	150	3	59.0	59.5	C: 7; E: 7;		
2.5	30	33.0	36.0	C: 4*; D: 4L*; E: 4*; G: 4*;	150	4	65.5	66.3	C: 7; E: 7;		
2.5	37	36.8	37.2	C: 5; D: 5s; E: 5;	185	2	66.0	66.8	C: 7; E: 7;		
4	2	11.0	13.6	C: 0*; D: 0L*; E: 1; F: 0L*; G: 0L*;	185	3	66.8	67.3	C: 7; E: 7;		
4	3	11.4	14.6	C: 0*; D: 0L*; E: 1; F: 1*; G: 0L*;	185	4	73.0	73.8	C: 8; E: 8;		
4	4	13.5	16.1	C: 1*; D: 0L*; E: 1*; F: 2; G: 1*;	240	2	72.0	73.0	C: 8; E: 8;		
4	5	14.1	18.1	C: 1*; D: 1*; E: 2; F: 2; G: 1*;	240	3	73.0	76.6	C: 8*; E: 8*;		
4	7	20.5	20.9	C: 3; D: 3s; E: 3; G: 3;	240+	Measure Actual Cable Diameter					
4	8	20.8	21.2	C: 3; D: 3s; E: 3; G: 3;	*.- Note: These gland sizes may be one size up, NB! please measure actual cable size and compare with the min/max sizes in the appropriate glands group.						
4	10	21.2	26.3	C: 3; D: 3s*; E: 3; G: 3;							
4	12	27.0	27.8	C: 4; D: 4s; E: 4; G: 4;							
4	14	27.5	28.0	C: 4; D: 4s; E: 4; G: 4;							
4	19	28.0	28.5	C: 4; D: 4s; E: 4; G: 4;							

GROUP C	Applicable to: Ex d/e Enviro Comp Taper-Tech Gland, Ex e Enviro Compression Green Gland, #Ex d/e Taper Tech Flameproof Double Compression Unarmoured Gland, #Ex d/e Flameproof Taper Tech Unarmoured Hose-tail Gland				
	Gland Size	Cable Outer Diameter			
		All		# only	
	min	max	min	max	
00xs			3.0	6.0	
00	3.0	8.5	4.5	8.5	
0xs			3.0	6.0	
0s	3.0	8.5	4.5	8.5	
0	8.0	12.6	8.5	12.6	
1	11.5	15.7	12.6	14.7	
2	15.7	20.4	14.7	20.4	
3	20.4	26.3			
4	26.3	34.7			
5	34.7	43.3			
6s			43.3	49.3	
6 / 6L	43.3	55.9	49.3	55.9	
7s			55.8	61.7	
7 / 7L	55.9	67.5	61.7	67.5	
8			67.5	73.8	

GROUP D	Applicable to: Ex d/e Flameproof Compression gland, Ex d/e Hose-tail Flameproof Compression Gland (non Taper-Tech version)		
	Gland Size	Cable Outer Diameter	
		min	max
0s	8.0	10.9	
0L	11.0	13.5	
1	13.6	14.5	
2s	14.6	17.5	
2L	17.6	20.0	
3s	20.1	23.0	
3L	23.1	26.2	
4s	26.3	30.1	
4L	30.2	34.0	
5s	34.1	38.7	
5L	38.8	43.2	
6s	43.3	49.3	
6L	49.4	55.5	

GROUP E	Applicable to: Ex e Brass Compression Taper-Tech Gland, Compression Taper-Tech Gland, #ZED Compression gland				
	Gland Size	Cable Outer Diameter			
		All		# only	
	min	max	min	max	
00s	3.0	5.0			
00	4.5	9.2			
0xs	3.0	5.0			
0s	4.5	9.2	6.5	9.2	
0	8.0	11.1			
1	10.0	14.7			
2	14.0	19.9			
3	19.0	26.7	19.9	26.5	
4	26.0	35.0			
5	34.0	44.0	35.0	44.0	
6	43.4	55.8			
7	55.8	67.5			
8	67.5	73.8			

GROUP F	Applicable to: Tufflon Compression Gland		
	Gland Size	Cable Outer Diameter	
		min	max
00	4.0	9.0	
0xs	3.0	6.0	
0s	4.0	9.0	
0L	6.5	11.0	
1	8.5	13.0	
2	13.0	19.2	

GROUP G	Applicable to: Ex e/n Ezee-Fit Box Compression Conversion Kits, # Aluminium Alloy Box Compression Conversion Kits				
	Gland Size	Cable Outer Diameter			
		All		# only	
	min	max	min	max	
0xs	3.0	6.0			
0s	4.5	8.5	6.0	9.4	
0L	8.5	12.6	9.5	12.6	
1Rxs	3.0	8.0			
1Rs	8.5	12.6			
1s			12.7	14.3	
1 / 1L	12.6	15.7	14.4	15.7	
2s			15.8	17.3	
2 / 2L	15.7	20.4	17.4	20.4	
3	20.4	26.3			
4	26.3	34.7			

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