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The tables on the page enable you to select the most suitable anti-split product for your requirement.

There are three tables:

Table	Coverage	Standard(s)	Application
Table 1	35%	SANS 457 SANS 1288	Building and Fencing
Table 2	40%	SANS 753 SANS 754	Telephone (Telkom) and others; Transmission except for Eskom
Table 3	70%	SANS 753 SANS 754	Transmission (Eskom)

SANS was previously known as SABS

The area of an regular octagon formula is as follows,

$$\text{Area} = (2 + 2\sqrt{2})a^2 = 2(1 + \sqrt{2})a^2$$

where, a is the length of the side.

For ease of workings log onto (<http://www.math-prof.com/AreaVolume/Octagon.aspx>)

It is important to note that a pole is practically never round. Likewise it is also never exactly 75 mm or 100 mm etc. Thus to specify a plate size or compare types of plates or work out cost comparisons is never an exact science!! Company policy must cover the Practicality, Performance, Aesthetics & Cost aspects. Physical application must be controlled by good training of personnel.

To comply with specifications, only one plate must be applied per pole end and all nails must penetrate straight into the pole.

Table 1
35% Coverage,
SANS (previously SABS) 457 & 1288
for Building and Fencing

Pole Size (diameter)(in mm)	Rectangular Anti-Split Plate	Octi Nailplate
Ø45 - 54	na	Na
Ø57 - 76	up to	Octi-50 mm
Ø72 - 94	Ø85	
Ø72 - 94	up to	Octi-70 mm
Ø78 - 105	5cm x 6cm	
Ø92 - 124	Ø118	
Ø92 - 124	up to	Octi-90 mm
Ø106 - 143	7cm x 8cm	
Ø122 - 160	Ø153	
Ø106 - 143	up to	Octi-110 mm
Ø121 - 160	7cm x 10cm	
Ø133 - 175	11cm x 8cm	
Ø145 - 196	Ø187	
Ø122 - 160	up to	Octi-135 mm
Ø136 - 180	7cm x 10cm	
Ø149 - 201	11cm x 8cm	
Ø163 - 220	11cm x 12cm	
Ø184 - 249	Ø228	
Ø145 - 196	up to	Octi-155 mm
Ø159 - 215	11cm x 10cm	
Ø185 - 248	11cm x 12cm	
Ø198 - 268	14cm x 12cm	
Ø212 - 286	14cm x 14cm	
Ø217 - 294	Ø263	
Ø184 - 249	up to	Octi-180 mm
Ø198 - 268	(future)	
Ø213 - 287	up to	
Ø228 - 304	Ø306	
Ø241 - 326	14cm x 12cm	
Ø283 - 359	14cm x 14cm	
Ø212 - 286	up to	Octi-210 mm
Ø217 - 294	14cm x 16cm	
Ø245 - 333	15cm x 16cm	
Ø266 - 360	17cm x 18cm	
Ø279 - 379	20cm x 18cm	
Ø279 - 379	Ø357	
Ø308 - 415	20cm x 20cm	
Ø308 - 415	20cm x 23cm	

Table 2
 40% Coverage,
 SANS (previously SABS) 753 & 754
 for Telephone Poles and Others
 Transmission except for Eskom

Pole Size (diameter)(in mm)	Rectangular Anti-Split Plate	Octi Nailplate
Ø72 - 87 Ø78 - 98 Ø92 - 116	up to Ø111	4cm x 6cm 5cm x 6cm 7cm x 6cm Octi-70 mm
Ø92 - 116 Ø106 - 134 Ø121 - 149	up to Ø143	7cm x 6cm 7cm x 8cm 7cm x 10cm Octi-90 mm
Ø106 - 134 Ø121 - 149 Ø133 - 164 Ø145 - 183 Ø159 - 201	up to Ø175	7cm x 8cm 7cm x 10cm 11cm x 8cm 11cm x 10cm 11cm x 12cm Octi-110 mm
Ø122 - 150 Ø136 - 168 Ø149 - 188 Ø163 - 206 Ø184 - 232	up to Ø214	7cm x 10cm 11cm x 8cm 11cm x 10cm 11cm x 12cm 14cm x 12cm Octi-135 mm
Ø145 - 183 Ø159 - 201 Ø185 - 232 Ø198 - 250 Ø212 - 268	up to Ø246	11cm x 10cm 11cm x 12cm 14cm x 12cm 14cm x 14cm 14cm x 16cm Octi-155 mm
Ø198 - 251 Ø213 - 268 Ø228 - 285 Ø241 - 304 Ø283 - 359	(future) up to Ø286	14cm x 14cm 14cm x 16cm 14cm x 18cm 16cm x 18cm 20cm x 20cm Octi-180 mm
Ø198 - 251 Ø245 - 311 Ø266 - 336 Ø279 - 354 Ø308 - 388	up to Ø334	15cm x 16cm 17cm x 18cm 20cm x 18cm 20cm x 20cm 20cm x 23cm Octi-210 mm

Table 3

70% Coverage,
SANS (previously SABS) 753 & 754
Transmission (Eskom)

Rectangular anti-split plates cannot provide better than 63% coverage on a round pole. Rectangular anti-split plates can therefore not be used for this requirement

Pole Size (diameter)(in mm)		Rectangular Anti-Split Plate	Octi Nailplate
Ø70 - 84	up to Ø84	None	Octi-70 mm
Ø90 - 108	up to Ø108	None	Octi-90 mm
Ø110 - 132	up to Ø132	None	Octi-110 mm
Ø135 - 161	up to Ø161	None	Octi-135 mm
Ø155 - 185	up to Ø185	None	Octi-155 mm
Ø180 - 215	up to Ø215	None	Octi-180 mm
Ø210 - 251	up to Ø251	None	Octi-210 mm