

### STUNNING AND KILLING METHODS

The manufacturer's recommendations must be adhered to for each method used

	Method	Parameter	Maximum stun to stick time
<b>CATTLE</b>	Penetrative captive bolt	Correct position and cartridge strength in accordance with manufacturer's instructions	ASAP, within 60 seconds
	Head to body electrical stun	Adult cattle only. Effective electrode placement. Minimum current of 1.51A delivered to each animal under load for $\geq 3$ seconds	
<b>SHEEP and GOATS</b>	Penetrative captive bolt	Correct position and cartridge strength in accordance with manufacturer's instructions	ASAP, within 15 seconds
	Head only electrical stun	Electrodes span the brain. Minimum current of 1A delivered to each animal under load	ASAP, within 15 seconds
	Head to body electrical stun kill	Electrodes span the brain and heart. Minimum current of $\geq 1$ A delivered to each animal under load	
<b>PIGS</b>	Penetrative captive bolt	Correct position and cartridge strength in accordance with manufacturer's instructions	ASAP, within 15 seconds
	Head only electrical stun	Electrodes span the brain. Minimum current of 1.3A delivered to each animal under load	ASAP, within 15 seconds
	Gas – Carbon Dioxide at minimum of 80%	The pig must reach the point of maximum concentration of the gas mixture within 30 seconds and held in the gas for long enough for it to be killed	ASAP, within 75 seconds
	Head to body electrical stun	Electrodes span the brain and heart. Minimum current of 1.3A delivered to each animal under load	

**Note:** Free bullet may be suitable as a back-up or emergency slaughter method where site health and safety allows