

# Animal Identification



Product Name	Glass Tags						E-Unit Rod	E-Unit Disc
Application	Small size with high chemical resistance provides an ideal solution for injection and long term immersion						Embeddable RFID tags - ideal as customizable implants. Please contact HID sales for details.	
Size	Ø2x8.5 mm	Ø2x12 mm <sup>3</sup>	Ø3x13 mm	Ø3x15 mm	Ø4x22 mm	Ø4x34 mm	Ø1x7 mm, Ø1.8x15 mm	Ø 20, 24, 27, 28 mm or custom
Frequency	134.2 kHz		125 kHz	134.2 kHz			134.2 kHz	
Standards / Protocol Support	ISO 11784, ISO 11785			ISO 11784, ISO 11785			ISO 11784, ISO 11785	
Chip Type	EM4305	Hitag S, EM4305	Hitag S		Hitag S, EM4305		Hitag S, EM4305	
Memory <sup>1</sup>	512 bit RW	256 bit RW, 512 bit RW	256 bit RW		256 bit RW, 512 bit RW		256 bit RW, 512 bit RW, 2048 bit RW	
Tagging Method	Subcutaneous		External housing e.g. pigeon ring	Subcutaneous, primarily horses	External housing	External housing e.g. ceramic bolus (stomach)	Ear tag or customized implant	Ear tag
Operating Temperature <sup>2</sup>	-25 °C to +85 °C						-25 °C to + 60 °C	
Storage Temperature <sup>2</sup>	-40 °C to +90 °C						-40 °C to + 60 °C	
Peak Temperature <sup>2</sup>	+120 °C (100h) +140 °C (10h)			+120 °C (100h)	+120 °C (100h) +140 °C (10h)			
Housing Material	BIO Glass		Glass	BIO Glass				
Chemical and Environmental Resistances <sup>2</sup>	Water, IP68 (1m, 24h), saltwater, alcohol, HCL, fuel, ammonia						Depends on finished product	
Mechanical Resistances <sup>2</sup>	Vibration IEC 68.2.6, shock IEC 68.2.29							
Parylene Coating Available (better skin adhesion)	Yes	Yes		Yes				
Warranty <sup>4</sup>	2 years						2 years	

## Finding what you need

HID Global has many more products to offer than fit on this page. Please refer to [hidglobal.com](https://hidglobal.com) or contact an HID representative for further assistance in evaluating these tags or selecting a solution that best fits your particular requirements.

<sup>1</sup> Hitag S (256 bit RW), EM4305 (512 bit RW)  
<sup>2</sup> For further specification details, please see datasheets of the respective products.  
<sup>3</sup> Also available with custom programming through HID Global's Programming on Demand™ - Pet service. See [hidglobal.com](https://hidglobal.com) for details.  
<sup>4</sup> Storage condition must not exceed specification for temperature, chemical, mechanical, electrical condition, storage from -25°C to +50°C, humidity 20% to 80%