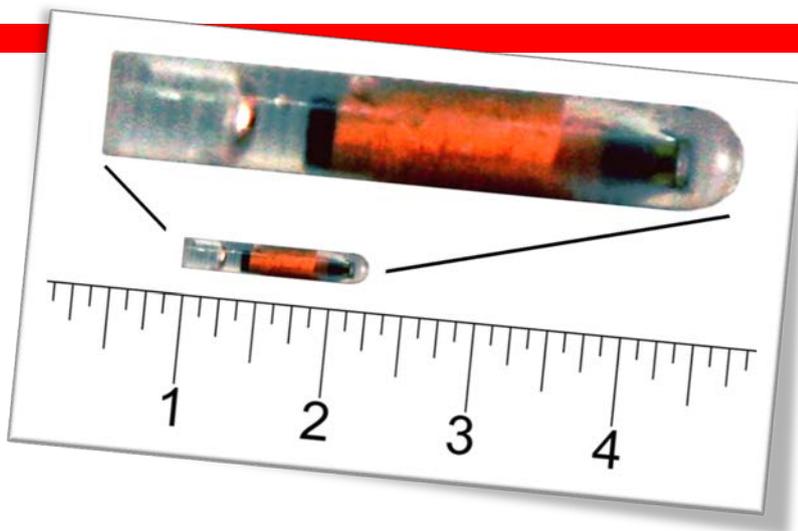


# 12mm Bio Polymeric

**ACTUAL SIZE** Ø2.86mm x 12mm  
Ø0.11in x 0.47in

**WEIGHT** 0.11 grams / 0.0038 oz



## SPECIFICATIONS

TECHNICAL	BIO POLYMERIC & PACKING OPTIONS		
Model Number	12BP	12BPNP	12BPNP
Packaging Options	Bio Polymer Transponder Only	Sterile Needle unit incl. and re-useable syringe	Sterile Syringe with removable needle & cap
Inclusion Options	Colour Options	Barcode Labels, Aluminium tag	Barcode Labels, Aluminium tag
Pack Sizes	1k,5k,10k, 50k	Packs of 30	Packs of 20
Operating Frequency	FDX-B 134.2Khz or 125kHz Read Only or Read/Write		
Chip Type	EM4305		

CHEMICAL & MECHANICAL	
Transponder Exterior	FDA APPROVED BIO POLYMER (PARYLENE COATING OPTIONAL)
Water	IP68, 68° F (20° C), 3.3 ft (1 m) x 24 h (Tested to 600 BAR)
Resistance	Shock/Vibration IEC 68-2-29 / IEC 68.2.6      Chemical Resistance Acid & Alkalis, Excellent
Storage Temperature	-40° to +194° F (-40° to +90° C), 1000h
Operating Temperature	-13°F to +185° F (-25° to +85° C)
Peak	248° F (120° C), 100 h; '284° F (140° C), 10 h
Certification	ISO11784/11785 : ICAR Conformance & Performance of transponders ISO Bureau Veritas Lab testing for mechanical durability
Duration	Warranty : 2 years      Sterile : Processed in EO GAS : 5 YEARS

## SWISSPLUS SUPERIOR SYRINGE DESIGN HIGHLIGHTS

- The SwissPlus iD polymeric Microchip uses a patented infusion process to house the RFID microchip electronic inside a solid block of surgical FDA approved anti-microbial bio polymer.
- SwissPlus iD polymeric tags surgical polymeric housing encourages tissue growth from the animal own cells to grow onto and lock the microchip in place (no need for Parylene coating).
- SwissPlus iD polymeric microchips have a unique design shape. Our microchips are round at the front end to let the microchip slide down inside the needle and gently enter into the animal. The back end of the microchip is flat, this design feature is to ensure that as the cannula is pulled back out of the wound, the animals tissue closes around the flat end of the polymeric microchip locking it in place. This is very important because it takes time for the incision to close and heal.
- SwissPlus iD polymeric tags operate on North Sea Oil Rig drill heads. Proven to withstand 600 bar+ water pressure in the drill hole
- Customized sterile and non-sterile pack solutions available, alternative colour polymer casing also available for high visibility when recovering microchip in human food chain applications.

