

Coatings

A suitable coating choice can offer additional characteristics to your **TUBTARA®**.

● Coating on steel available from stock

Zinktop

High-quality Cr⁶⁺ & Ni free plating
 Conforms with ROHS 2, Reach, ELV directives
 96 h white rust - 480 h red rust
 10μ ±2μ

● Survey available coating offer

photo	coating description	standard / on request	salt spray test (h) ISO 9227		colour / aspect	corrosion protection	RoHS / Reach compliant	remarks
			white rust	red rust				
1	Zinc blue/white Cr ³⁺	REQ	24	72	blue/white	*	<input checked="" type="checkbox"/>	Cr ⁶⁺ free
2	Zinc black Cr ³⁺	REQ	48	96	black	*	<input checked="" type="checkbox"/>	Cr ⁶⁺ free
3/4	Zinc yellow Cr ⁶⁺ *	ST	96	240	yellow	***	<input type="checkbox"/>	phase out 2017*
5	Zinktop	ST	96	480	light grey	****	<input checked="" type="checkbox"/>	Cr ⁶⁺ and Ni free
6	Zinktop Cobalt free	REQ	96	480	light grey	****	<input checked="" type="checkbox"/>	Cr ⁶⁺ , Ni and Co free
7	Ultra 1000	REQ	240	1000	matt grey	*****	<input checked="" type="checkbox"/>	Cr ⁶⁺ and Ni free
8	ZnNi (Zinc Nickel)	REQ	quality according to customer's specs					
9	Vibraseal®	REQ	x	x	red, green			seals + anti-vibration
10	Gleitmo®	REQ	x	x	-			friction reduction
-	Seal inox®	REQ	x	x	-			avoids galling stainless steel

The Ultra 1000 is more than doubling the resistance to red rust in the salt spray test compared to the standard Zinktop. The offer of blue and black trivalent coatings, as well as the Cobalt free Zinktop, are developed to tackle imminent Reach regulations and can be delivered on demand.

* Zinc yellow Cr⁶⁺ plating is no longer standard and has been omitted from this catalogue. Due to REACH phase out, production of steel yellow hexavalent chromated parts is being cut back, to discontinue completely latest March 21st, 2016 (latest application date). For availability, only until depletion of stock and not later than September 21st, 2017 (sunset date), please contact our customer service.

● **Stainless Steel**

All stainless steel Tubtara's have been treated by a special process to obtain a natural passivation layer, improving the corrosion resistance compared to common stainless steel parts in the market.

Optional coatings on stainless steel are

- Gleitmo® / Seal Inox®
- full passivation.

● **Why use a coating ?**

Requirements & solutions :

	Zinktop on steel	Coloured plating on steel	Passivation on stainless steel	Gleitmo®	Vibraseal®	Seal Inox®	Molykote®
appropriate visual aspects		+					
colour distinction		+			o	o	
to avoid galling				+		+	+
reduction of friction				+		+	+
increase of friction				-		-	-
to avoid galvanic couple	o	o	+		+	+	
electrical conductivity	+				-	-	-
anti-vibration function					+		
increased corrosion resistance	+		+			+	
seal function					+	+	
UV illumination				+			

Legend	
-	negative influence
o	possible influence
+	positive influence

We strongly advise to do some tests in the specific application environment. Samples are available on request.

