

2026/03/30



Rivestimenti per brocche

Coatings for broaches

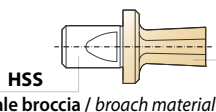


I A seconda della tipologia di materiale da lavorare, sulle brocche possono essere applicati rivestimenti per migliorarne la durata in termini di numero di pezzi prodotti, come **WONDER (TiAlN*)**, **TiN**, **INOX PLUS** e **ZIRINOS**. Di seguito alcuni esempi di materiali da lavorare con i grafici che ne evidenziano la differenza fra l'utensile realizzato in HSS o SINTERIZZATO normale rispetto all'utensile rivestito.

GB Depending on the type of material to be machined, coatings can be applied to the broaches to improve their durability in terms of number of work-pieces produced, such as **WONDER (TiAlN*)**, **TiN**, **INOX PLUS** and **ZIRINOS**. Here are some examples of materials to be machined with the graphs highlighting the difference between the tool made of normal HSS or SINTERED and the coated tool.

Materiale broccia Broach material	Materiale da lavorare Machined material		Rivestimento			
			TiN	WONDER/ TiAlN *	INOX PLUS	ZIRINOS
HSS	ALLUMINIO / ALUMINUM	Rm ≤ 350 (N/mm²)				✓
HSS	ACCIAIO TENERO / MILD STEEL	Rm ≤ 510 (N/mm²)	✓			
HSS	ACCIAIO COMUNE / COMMON STEEL	Rm 510÷680 (N/mm²)	✓			
HSS	ACCIAIO LEGATO / ALLOY STEEL	Rm 680÷1050 (N/mm²)		✓		
HSS	ACCIAI INOX / STAINLESS STEELS	Rm ≤ 520 (N/mm²)			✓	
HSS		Rm 520÷1050 (N/mm²)			✓	
HSS	GHISA / CAST IRON	Rm ≤ 400 (N/mm²)	✓			
SINTERIZZATO	TITANIO / TITANIUM	Rm ≤ 350 (N/mm²)				✓
HSS	OTTONE-BRONZO / BRASS - BRONZE	Rm ≤ 350 (N/mm²)				✓

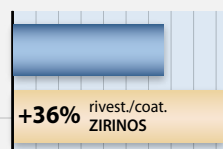
materiale da lavorare: **ALLUMINIO - OTTONE - BRONZO**
machined material: **ALUMINUM - BRASS - BRONZE**



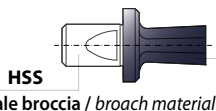
ZIRINOS
rivestimento applicato / applied coating

n°pz brocciati senza rivestimento
n°pcs broached without broached coating

n°pz brocciati con rivestimento
n°pcs broached coating



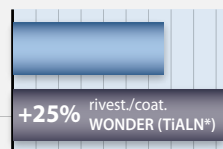
materiale da lavorare: **ACCIAIO BONIFICATI**
machined material: **HARDENED STEEL**



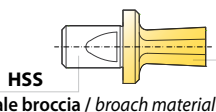
WONDER (TiAlN*)
rivestimento applicato / applied coating

n°pz brocciati senza rivestimento
n°pcs broached without broached coating

n°pz brocciati con rivestimento
n°pcs broached coating



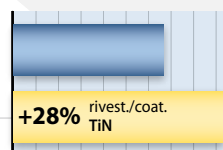
materiale da lavorare: **ACCIAIO TENERO/COMUNE - GHISA**
machined material: **MILD/COMMON STEEL - CAST IRON**



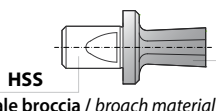
TiN
rivestimento applicato / applied coating

n°pz brocciati senza rivestimento
n°pcs broached without broached coating

n°pz brocciati con rivestimento
n°pcs broached coating



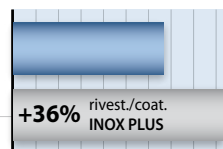
materiale da lavorare: **ACCIAI INOX**
machined material: **STAINLESS STEELS**



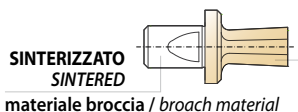
INOX PLUS
rivestimento applicato / applied coating

n°pz brocciati senza rivestimento
n°pcs broached without broached coating

n°pz brocciati con rivestimento
n°pcs broached coating



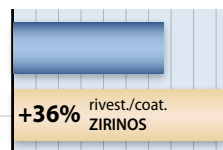
materiale da lavorare: **TITANIO**
machined material: **TITANIUM**



ZIRINOS
rivestimento applicato / applied coating

n°pz brocciati senza rivestimento
n°pcs broached without broached coating

n°pz brocciati con rivestimento
n°pcs broached coating



Per acciai e/o materiali non indicati in tabella, chiedere informazioni al nostro ufficio tecnico

(*) TiAlN solo a richiesta, sostituito dal WONDER

