



**SW/SS**dental







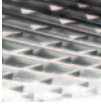

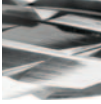



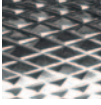

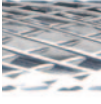

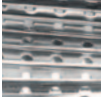

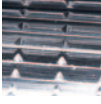

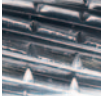

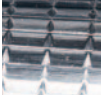

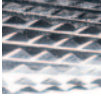


# HARTMETALL-FRÄSER TUNGSTEN CARBIDE CUTTERS

Dental Labor  
Dental laboratory
















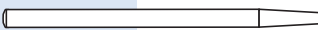
Bijouterie  
Jewellery








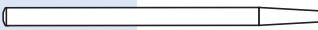












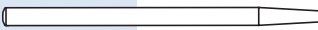
Farbcodierung Colour coding	Verzahnung Cut	ISO Nummer ISO number	Beschreibung Description	Anwendung Application
		175	Einfachverzahnung standard Plain cut standard	Dentalkunststoffe, Edelmetalle Dental plastics, Precious alloys
		Q 176	Einfachverzahnung mit Querrieb Plain toothing with traverse	Weichbleibende Unterfütterung Soft relinings
		X 190	Kreuzverzahnung standard Cross cut standard	Modellguss, Dentalkunststoffe, CrCo, Edelmetalle Model cast appliances, Dental plastics, CrCo, Precious alloys
		XSG 223	Kreuzverzahnung supergrob Cross cut super coarse	Gips, Dentalkunststoffe Plaste, Dental plastics
		XG 220	Kreuzverzahnung grob Cross cut coarse	Dentalkunststoffe Dental plastics
		XF 140	Kreuzverzahnung fein Cross cut fine	Edelmetalle, Keramik Precious alloys, Ceramics
		XEF 110	Kreuzverzahnung extrafein Cross cut extra fine	Composite, NEM-Legierungen, Keramik, Edelmetalle Composites, Non-precious alloys, Ceramics, Precious alloys
		DF 134	Spiralverzahnung extrafein Spiral cut extra fine	Titan, Kronen & Brücken, NEM-Legierungen, Edelmetalle Titanium, Crowns & bridges, Non-precious alloys, Precious alloys
		DEF 137	Spiralverzahnung extrafein Spiral Cut extra fine	Titan, NEM, Edelmetalle, Modell-Hartgips, Modellguss, Verblend-Kunststoffe, Prothesen-Kunststoffe Titanium, NP alloys, P metals, Plaster, Model castings, Veneer resins, Prosthetic resins
		SQ	Querriebverzahnung aggressiv Aggressive blade/Cross cut	Titan, Dentalkunststoffe, Metalllegierungen Titanium, Acrylics, Metal alloys
		SQF 134	Querriebverzahnung fein Fine blade/Cross cut	Dentalkunststoffe, Metalllegierungen, Titan Acrylics, Metal alloys, Titanium
		SXF	Diamantverzahnung fein Diamond toothing fine	leicht zu polierende Oberfläche Easy-to-polish surface
		TIG 194	Titanverzahnung grob Titanium toothing coarse	Titan, NEM-Legierungen, Edelmetalle Titanium, Non-precious alloys, Precious alloys
















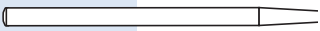
Empfohlene Drehzahl Recommended speeds	ISO Ø	Max. Drehzahl Max. permitted speed
Das Nichtbeachten der maximal zulässigen Drehzahl führt zu einem erhöhten Sicherheitsrisiko. Non-adherence to the maximum permissible speeds increases the risk of accidents.	010 – 023	5'000 – 40'000 min <sup>-1</sup>
	025 – 045	15'000 – 30'000 min <sup>-1</sup>
	050 – 080	15'000 – 20'000 min <sup>-1</sup>



<b>T71</b> 001 											
	Ø mm	1,0	1,2	1,4	1,6	1,8	2,3	2,5	2,7	5,0	
	L mm	-	-	-	-	-	-	-	-	-	-
											T71
	 X	T71X	T71X	T71X	T71X	T71X	T71X	T71X	T71X	T71X	T71X
	 XF							T71XF			
	H HP	104	104	104	104	104	104	104	104	104	104
											
	ISO Ø	010	012	014	016	018	023	025	027	050	

<b>T72</b> 037 		
	Ø mm	6,0
	L mm	13,0
	 X	T72X
	 XSG	T72XSG
	 XG	T72XG
	 XF	T72XF
H HP	104	
		
ISO Ø	060	

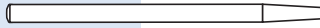
<b>T73</b> 277 					
	Ø mm	1,4	2,3	4,0	6,0
	L mm	3,0	4,0	6,0	10,0
	 X	T73X	T73X	T73X	T73X
	 XF	T73XF	T73XF		T73XF
	 XEF	T73XEF	T73XEF		
	 SQF	T73SQF			
	H HP	104	104	104	104
					
	ISO Ø	014	023	040	060

<b>T77</b> 237 						
	Ø mm	1,4	2,3	2,9	4,0	6,0
	L mm	3,0	5,0	5,0	9,0	11,0
					T77	T77
	  Q				T77Q	
	 X		T77X	T77X	T77X	T77X
	 XG					T77XG
	 XF	T77XF	T77XF	T77XF		T77XF
	 XEF	T77XEF	T77XEF	T77XEF		
	  DF			T77DF		
H HP	104	104	104	104	104	
						
ISO Ø	014	023	029	040	060	



**T78**  
257

Ø mm	1,2	2,3	4,0	6,0
L mm	3,5	7,0	9,0	12,0
	X	T78X	T78X	T78X
	XG			T78XG
	XF	T78XF		T78XF
	XE		T78XE	
H HP	104	104	104	104
ISO Ø	012	023	040	060



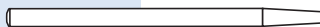
**T129**  
141

Ø mm	2,3
L mm	8,0
	X
	XF
	XE
	DF
	DEF
	SQ
	SXF
	TIG
H HP	104
ISO Ø	023



**T79**  
194

Ø mm	3,1	4,0	4,5	5,0	6,0	7,0
L mm	11,5	13,0	13,0	13,0	15,0	14,0
		T79			T79	
	Q	T79Q	T79Q			
	X	T79X	T79X	T79X	T79X	
	XSG	T79XSG			T79XSG	
	XG	T79XG		T79XG	T79XG	T79XG
	XF	T79XF	T79XF	T79XF	T79XF	
	XE	T79XE	T79XE			
	DF	T79DF				
	DEF	T79DEF				
	SQ	T79SQ				
	SXF	T79SXF				
	TIG	T79TIG				
H HP	104	104	104	104	104	104
ISO Ø	031	040	045	050	060	070





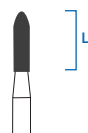
**T137**  
155

Ø mm	1,6	2,3
L mm	4,0	5,5
X	T137X	T137X
XF		T137XF
H HP	104	104
ISO Ø	016	023



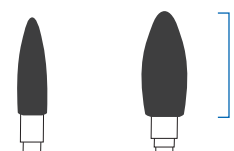
**T138**  
197

Ø mm	0,8	0,9	1,0	1,6	2,3
L mm	4,0	4,0	4,0	8,0	8,0
X	T138X	T138X	T138X	T138X	T138X
XF				T138XF	T138XF
XEF				T138XEF	T138XEF
DF	T138DF			T138DF	
DEF	T138DEF			T138DEF	T138DEF
SQF				T138SQF	
SXF				T138SXF	
TIG				T138TIG	T138TIG
H HP	104	104	104	104	104
ISO Ø	008	009	010	016	023



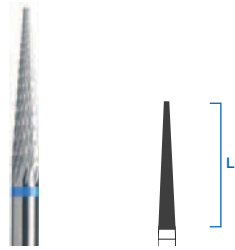
**T139**  
289

Ø mm	2,3
L mm	8,0
X	T139X
XF	T139XF
XEF	T139XEF
DF	T139DF
DEF	T130DEF
SQF	T139SQF
SXF	T139SXF
TIG	T139TIG
H HP	104
ISO Ø	023



**T251**  
274

Ø mm	4,0	6,0
L mm	11,5	14,0
Q		T251Q
X	T251X	T251X
XSG		T251XSG
XG		T251XG
XF		T251XF
DF		T251DF
DEF		T251DEF
SQ	T251SQ	T251SQ
SQF	T251SQF	T251SQF
SXF	T251SXF	T251SXF
H HP	104	104
ISO Ø	040	060



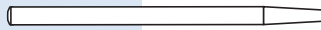
**T257**  
294

Ø mm	2,3
L mm	15,0

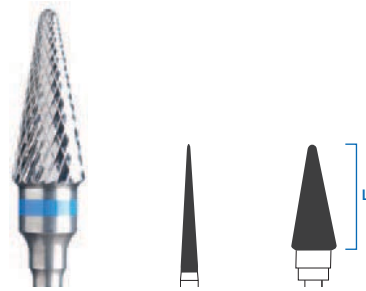


	X	T257X
	XF	T257XF
	XEF	T257XEF
	SQF	T257SQF

H HP	104
------	-----



ISO Ø	023
-------	-----



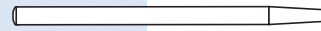
**T257R**  
201

Ø mm	2,3	6,0
L mm	15,0	14,0

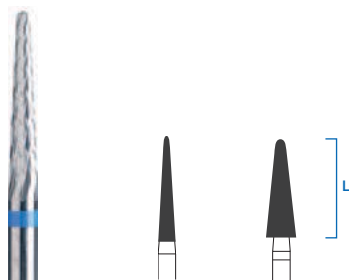


	X		T257RX
	SQF	T257RSQF	

H HP	104	104
------	-----	-----



ISO Ø	023	060
-------	-----	-----



**T261**  
194

Ø mm	2,3	4,0
L mm	14,0	13,0

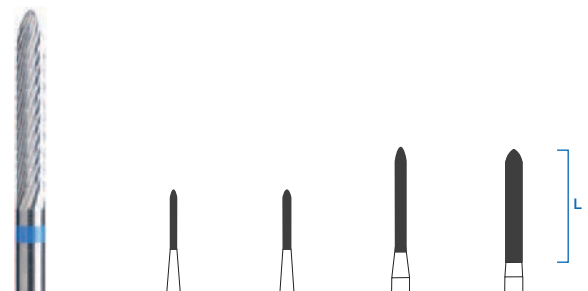


	Q	T261Q	
	X	T261X	
	XF	T261XF	
	XEF	T261XEF	
	DF	T261DF	
	SQ	T261SQ	
	SQF		T261SQF

H HP	104	104
------	-----	-----



ISO Ø	023	040
-------	-----	-----



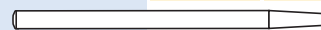
**T295**  
292

Ø mm	1,0	1,2	1,6	2,3
L mm	8,0	8,0	14,0	16,0

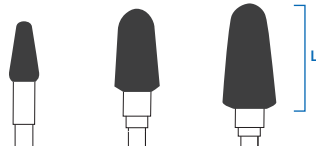


	X				T295X
	XF	T295XF	T295XF	T295XF	T295XF
	XEF				T295XEF

H HP	104	104	104	104
------	-----	-----	-----	-----



ISO Ø	010	012	016	023
-------	-----	-----	-----	-----



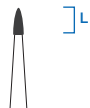
**T351**  
263

Ø mm	4,0	6,0	7,0
L mm	8,0	11,0	13,0
	Q	T351Q	
	X	T351X	T351X
	XSG	T351XSG	
	XG	T351XG	T351XG
	XF	T351XF	T351XF
	SQF	T351SQF	
H HP	104	104	104
ISO Ø	040	060	070



**T364R**  
137

Ø mm	2,3	
L mm	15,0	
	X	T364R-X
	XF	T364R-XF
	XEF	T364R-XEF
H HP	104	
ISO Ø	023	



**T390**

Ø mm	1,4	
L mm	3,5	
	DEF	T390DEF
H HP	104	
ISO Ø	014	

Alle hier gezeigten Fräser zeichnen sich durch ihre besonders stabile und funktionsgerechte Konstruktion aus. Durch ihre präzise und schnittfreundige Verzahnung bieten sie dem Anwender bei langer Lebensdauer herausragende Leistung.

© Swiss Precision Instruments AG  
Schweiz

Alle Rechte sind der Swiss Precision Instruments AG, Altstätten, vorbehalten.

Abbildungen und Fotos sind urheberrechtlich geschützt. Nachdruck oder Reproduktionen in irgendwelcher Form, auch auszugsweise, sind nur mit schriftlicher Genehmigung der Swiss Precision Instruments AG, Altstätten, gestattet. Titel: ©Wang Tom – Fotolia.com

Für Druckfehler keine Haftung.

All milling cutters shown here are characterized by their extremely solid and functional design. Their precise effective, interlocking cutting is outstanding in performance and will provide the user with a long service life.

© Swiss Precision Instruments AG  
Switzerland

All rights are reserved by Swiss Precision Instruments AG, Altstätten.

Illustrations and photos are protected by copyright. Reproductions, also by extract in any form, are only permitted with written authorization of Swiss Precision Instruments AG, Altstätten. Title: ©Wang Tom – Fotolia.com

Not liable for misprints.



# sw/ssdental

## Swiss Precision Instruments AG

Tiefenackerstrasse 49  
9450 Altstätten  
Switzerland

T +41 (0)7 1556 7788  
F +41 (0)7 1556 7780

[info@swissdental.net](mailto:info@swissdental.net)  
[www.swissdental.net](http://www.swissdental.net)