





Tool holders $\leq 1 \times D$, Guhring no. 4105 for pilot drilling/countersinking



Guhring no.	4111	4112	4113	4114	
Tool material	Solid carbide	Solid carbide	Solid carbide	Solid carbide	
Carbide grade	K/P	K/P	K/P	K	
Surface finish	nanoA	nanoFIRE	FIRE	bright	
Application	pilot drilling/countersinking	steel	cast iron	Al and Al-alloys	
					
V_c m/min	Feed column no.	V_c m/min	Feed column no.	V_c m/min	Feed column no.
130	6	130	6		
110	5	110	5		
130	7	130	7		
110	6	110	6		
130	6	130	6		
125	6	125	6		
110	5	110	5		
110	6	110	6		
90	5	90	5		
130	7	130	7		
110	6	110	6		
70	4	70	4		
105	5	105	5		
70	4	70	4		
60	5	60	5		
55	4	55	4		
55	3	55	3		
50	2	50	2		
55	3	55	3		
40	3	40	3		
35	3	35	3		
25	2	25	2		
25	2	25	2		
100	6			100	6
90	6			90	6
80	5			80	5
80	5			80	5
80	5			80	5
80	5			80	5
120	7			120	7
100	6			100	6
90	6			90	6
40	3	40	3		
35	2	35	2		
200	7				
180	7			200	7
150	7			180	7
120	7			150	7
180	7			120	7
70	6			180	7
180	7			70	6
120	6			180	7
70	6			120	6
50	6			70	6
45	6			50	6
35	5			45	6
				35	5