Drilling example SKH51 (62HRC)

: C-UMD 1.0 x 10
: SKD51 (62HRC)
: 5 mm
: Water soluble

Drilling condition

Spindle Speed	Feed Rate	Peck Amount	Chip Load	No. of Hole	Cycle Time
(min ⁻¹)	(mm/min)	(mm/time)	(mm/rev)		(min)
1,600	5	0.05	0.00313	10	48.5

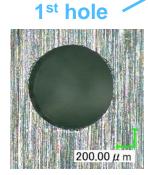
*50% of spindle speed and 25% of feed rate from catalog condition of pre-hardened steels / hardened steels.

Result

Tool after 10 holes

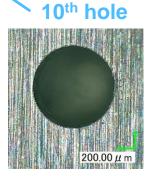






Since the tool had large wear, it is impossible to continue. Tool life of 10 holes is reasonable.





Copyright © UNION TOOL CO. All rights reserved.