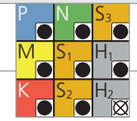
CrazyMill Cool Ball - Type B - Semi-finishing

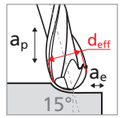
v_c [m/min] | **[SFM]**
f_z [mm] | **[IPT]**
d_{eff} [mm] | **[inch]**

RECOMMENDATION FOR USE
● Excellent | ◐ Good | ○ Acceptable | ⊠ Not recommended



MILLING WITH INTEGRATED COOLING | CUTTING DATA OVERVIEW

Semi-finishing



- $a_p = 0.25 \times d_1$ ($Ød_1 \leq 0.5$ mm **|.020"**)
- $a_p = 0.5 \times d_1$ ($Ød_1 > 0.5$ mm **|.020"**)
- $a_e = 0.1 \times d_1$

Machining angle = 15°

| Materials group | Material | Mat. no. | DIN | AISI/ASTM/UNS | Ød1 0.3 mm \| .012" v_c | d_{eff} | f_z | Ød1 0.4 mm \| .016" v_c | d_{eff} | f_z | Ød1 0.5 mm \| .020" v_c | d_{eff} | f_z | Ød1 0.6 mm \| .024" v_c | d_{eff} | f_z | Ød1 0.8 mm \| .032" v_c | d_{eff} | f_z | Ød1 1.0 mm \| .039" v_c | d_{eff} | f_z | Ød1 1.2 mm \| .047" v_c | d_{eff} | f_z | Ød1 1.5 \| .059" v_c | d_{eff} | f_z | Ød1 1.8 mm \| .071" v_c | d_{eff} | f_z | Ød1 2.0 mm \| .079" v_c | d_{eff} | f_z | Ød1 2.5 mm \| .098" v_c | d_{eff} | f_z | Ød1 3.0 mm \| .118" v_c | d_{eff} | f_z | Ød1 4.0 mm \| .158" v_c | d_{eff} | f_z | Ød1 6.0 mm \| .236" v_c | d_{eff} | f_z | Ød1 8.0 mm \| .315" v_c | d_{eff} | f_z |
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