2.9.29 CANNED CYCLES (73, G74, G76, G77 G80 TO G89, G98, G99) †

· Variable pitch command (G73, G83)

In the deep hole drilling cycles of G73 and G83, variable drilling pitch can be programmed with addresses I, J, K instead of address Q for programming a constant drilling pitch.

- I: Initial value
- J: Reducing value in 2nd and subsequent plunges
- K: Final value

Command is given without signs

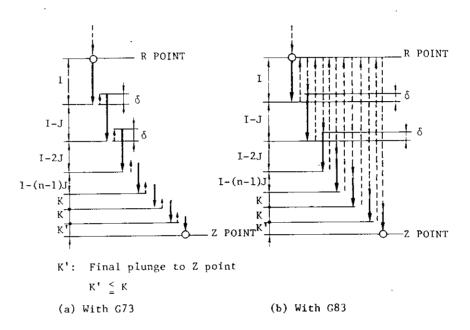


Fig. 2.83

The value of δ is given by setting (#6211 for G73, #6213 for G83).

NOTES:

- Q, I, J, K are modal during canned cycle modes and are effective until the canned cycle is cancelled. Specify them without signs.
- Variable pitch can also be programmed by address Q instead of I. Furthermore, when instructions Q, I, J, K are given simultaneously, drilling cycle is executed with variable drilling pitch with Q as the initial value.

 Q_0 must be commanded in the block including modal G code before programming variable pitch with I, J, and K.

EXAMPLE

Drilling pitch 1st plunge 10 mm 11000 9 mm 2nd plunge 3rd plunge 8 mm 4th plunge 7 mm5th plunge 6 mm 6th plunge 5 mm 7th plunge 4 mmK400 8th plunge 4 mm 9th plunge 2 mm Κ¹ Total 55.00 mm Z-5500