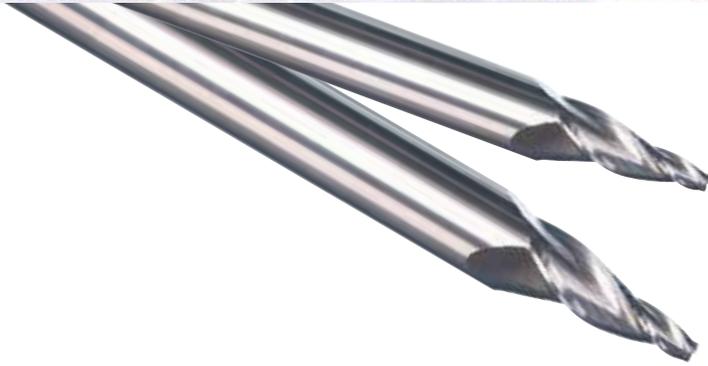


Tapered End Mills Speeds & Feeds Calculation

✓ American Made. ✓ American Quality. ✓ Amazing Prices.



Probably the most important factor affecting economical milling is the determination of cutting speeds and feeds. When using tapered end mills, base the feeds (chip-loads) and speeds (RPMs) on the smallest diameter of the taper. Using correct calculations increases tool life and productivity.

HOW TO CALCULATE TAPERED END MILL SPEEDS AND FEEDS:

IF...

A tapered end mill is .250" diameter at the tip (small end diameter) and expands to a .375" shank diameter

THEN...

Calculate the speeds and feed just like you would for a .250" diameter end mill

WHY?

Because the tip is the weakest, most fragile portion of the tapered end mill.



HOW TO CALCULATE TAPERED END MILL INCHES PER MINUTE FEED:

Calculate the following:

RPM x Suggested chip load of the smallest (tip) diameter x # of flutes =
INCHES PER MINUTE FEED

85%
OF TAPERED
END MILLS
UTILIZE 3 FLUTE
DESIGN