



Quick Start Guide

1a. Enter an IMCO EDP#

1 Your End Mill

Provide the part number for your IMCO end mill, or describe your part.

Part Number

65269

65269 - M525 1/2 5F .030R RR ENDURO MILL 1/2 X 1...

Alternatives: Don't know the number? Use our Tool Filter to find your part.

OR

1b. Describe your end mill.

1 Your End Mill

Select your IMCO end mill's model, or find your IMCO end mill by number.

Model

M525 endURO End Mill

Number of Flutes *

5

Diameter *

0.50 in

Length of Cut *

1.00 in

Corner Radius *

0.030 in

Enter 0 for square end

2. Choose your material.

2 Choose a Material

Select your material group. You may filter by ISO or select a specific material.

ISO Filter

H K M P S

Material Group *

M01A - Martensitic & Ferritic Stainless Steels 15-29 HRc

M01B - Martensitic & Ferritic Stainless Steels 30-48 HRc

Material

Optional

306

316

316L

3 Operation Details

Select your operation and add details about the feature.

Operation *

Finish Facing

Helical Entry

Peripheral Finishing

Peripheral HEM

Peripheral Roughing

Rough Facing

Straight Line Ramping

Traditional Pocketing

Traditional Slotting

3. Select your operation and feature depth. (Ill-advised operations for endmill/material combo are automatically filtered out).

4 Machine Limits

Provide the capability of your machine so we can calculate accurate recommendations.

Max Spindle Power *

250 hp

Max Feed Rate *

3000 ipm

Max RPM *

75000 rpm

4a. Receive "unlimited" recommendations

OR

4 Machine Limits

Provide the capability of your machine so we can calculate accurate recommendations.

Max Spindle Power *

20 hp

Max Feed Rate *

250 ipm

Max RPM *

15000 rpm

4b. Have ToolBot automatically customize the recommendations based on the limits of your machine.

CALCULATE →

5. Calculate your results.



Toolbot

Quick Start Guide



IMCO Recommendations

IMCO recommends these initial settings for this tool.

Number of Layers	2
Axial Depth of Cut	0.5000"
Radial Depth of Cut	0.1500"
Tool Engagement Angle	66.4°
Speed	350 sfm
Feed Rate	44.1 ipm
RPM	2674 rpm
Feed per Tooth	0.0033"
Actual Chip Thickness	0.0030"
Required Horse Power	5.13 hp
Metal Removal Rate	3.31 in ³ /min

6. Toolbot will return unlimited machine recommendations, **AND OPTIONALLY** recommendations limited by the user entries in step 4.

Custom ADOC *

 in

Custom RDOC *

 in

Custom Feed per Tooth *

 ipt

Custom RPM *

 rpm

7. Optimize your setup through customization (OPTIONAL).

Customize Your Settings

You may adjust IMCO's recommendations and the settings will be updated to reflect your changes.

Customization Scenario

Feed per Tooth and RPM

Feed per Tooth and RPM

Feed per Tooth and Speed

Feed Rate and RPM

8. Register your account to unlock additional ToolBot features.



Save Your Settings

You must sign in to complete this action.

Email *

Password *

[SIGN IN](#)

Signing in implicitly grants permission to use cookies. Our comprehensive [privacy policy](#) is available for reference at any time.

Don't have an account? [Register Now](#)

ToolBot, the simple, effective way to obtain starting feeds and speeds 24/7!



Power. Precision. Performance.