

# ASEL3 SERIES

## 3FL Aluminum Hyper Speed Mill Necked XL Square or Radius



The **ASEL3** is the all purpose tool for aluminum and other non-ferrous materials. Creating great finishes at high RPM's, this multi-application tool can be used for everything from heavy roughing to finishing.

- Blended neck relief reduces marks in step-down machining.
- Moderate helix for aggressive high RPM roughing.
- Micro polished edges and flutes, plus a wiper flat for incredible finishes.
- Manufacturing tolerances far above industry standards.
- Premium carbide blanks and eccentric relief provide superior strength and increased wear resistance.
- Excellent tool for high speed, long reach machining.

### How To Build Your 16 Digit Part Number

First 6	Middle 6	End Geo	Coolant Hole	Coating	=	Part # To Order
AS0125	358810	R6	0	0		AS0125358810R600

MORE RADII
.120R = RL
.156R = RN
.187R = RQ
.250R = RV

First 6		Middle 6					End Geometry					Pick 1	Pick 1	
GEO & DIA	FL, LOC & LBS	DIA	# FL	LOC	LBS	OAL	Square W/Wiper	Radius					Coolant None	Coating None
								.015	.030	.060	.090	.125		
AS0125	<b>358810</b>	0.125	3	0.250	0.500	1.500								
AS0125	<b>358BU1</b>	0.125	3	0.250	0.750	2.000	<b>S1</b>	<b>R3</b>	<b>R6</b>				<b>0</b>	<b>0</b>
AS0125	<b>358CS1</b>	0.125	3	0.250	1.000	2.000								
AS0125	<b>358DG3</b>	0.125	3	0.250	1.250	2.500								
AS0187	<b>3628I1</b>	0.187	3	0.312	0.500	2.000								
AS0187	<b>362BU5</b>	0.187	3	0.312	0.750	3.000								
AS0187	<b>362CS5</b>	0.187	3	0.312	1.000	3.000	<b>S1</b>	<b>R3</b>	<b>R6</b>	<b>RC</b>			<b>0</b>	<b>0</b>
AS0187	<b>362DG5</b>	0.187	3	0.312	1.250	3.000								
AS0187	<b>362E65</b>	0.187	3	0.312	1.500	3.000								
AS0187	<b>362EW5</b>	0.187	3	0.312	1.750	3.000								
AS0250	<b>36WBU1</b>	0.250	3	0.375	0.750	2.000								
AS0250	<b>36WCS3</b>	0.250	3	0.375	1.000	2.500								
AS0250	<b>36WDG3</b>	0.250	3	0.375	1.250	2.500								
AS0250	<b>36WE65</b>	0.250	3	0.375	1.500	3.000								
AS0250	<b>36WEW5</b>	0.250	3	0.375	1.750	3.000	<b>S1</b>	<b>R3</b>	<b>R6</b>	<b>RC</b>	<b>RH</b>		<b>0</b>	<b>0</b>
AS0250	<b>36WFK7</b>	0.250	3	0.375	2.000	3.500								
AS0250	<b>36WGS9</b>	0.250	3	0.375	2.250	3.500								
AS0250	<b>36WGS9</b>	0.250	3	0.375	2.500	4.000								
AS0312	<b>37QBU1</b>	0.312	3	0.437	0.750	2.000								
AS0312	<b>37QCS3</b>	0.312	3	0.437	1.000	2.500								
AS0312	<b>37QDG3</b>	0.312	3	0.437	1.250	2.500								
AS0312	<b>37QE65</b>	0.312	3	0.437	1.500	3.000								
AS0312	<b>37QEW5</b>	0.312	3	0.437	1.750	3.000								
AS0312	<b>37QFK7</b>	0.312	3	0.437	2.000	3.500	<b>S1</b>	<b>R3</b>	<b>R6</b>	<b>RC</b>	<b>RH</b>	<b>RM</b>	<b>0</b>	<b>0</b>
AS0312	<b>37QG67</b>	0.312	3	0.437	2.250	3.500								
AS0312	<b>37QGS9</b>	0.312	3	0.437	2.500	4.000								
AS0312	<b>37QI8I</b>	0.312	3	0.437	3.125	6.000								
AS0312	<b>37QKAI</b>	0.312	3	0.437	4.000	6.000								
AS0375	<b>38ICS3</b>	0.375	3	0.500	1.000	2.500								
AS0375	<b>38IDG5</b>	0.375	3	0.500	1.250	3.000								
AS0375	<b>38IE65</b>	0.375	3	0.500	1.500	3.000								
AS0375	<b>38IFK7</b>	0.375	3	0.500	2.000	3.500								
AS0375	<b>38IG69</b>	0.375	3	0.500	2.250	4.000								
AS0375	<b>38IGSB</b>	0.375	3	0.500	2.500	4.500	<b>S1</b>	<b>R3</b>	<b>R6</b>	<b>RC</b>	<b>RH</b>	<b>RM</b>	<b>0</b>	<b>0</b>
AS0375	<b>38IHYE</b>	0.375	3	0.500	3.000	5.000								
AS0375	<b>38IJ4G</b>	0.375	3	0.500	3.500	5.500								
AS0375	<b>38IQI</b>	0.375	3	0.500	3.750	6.000								
AS0375	<b>38IKAI</b>	0.375	3	0.500	4.000	6.000								

Non-standard lengths, diameters and radius sizes are available upon request.

## ASEL3 SERIES Continued

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#### How To Build Your 16 Digit Part Number

First 6	Middle 6	End Geo	Coolant Hole	Coating	=	Part # To Order
AS0437	39CCS4	R6	0	0		AS043739CCS4R600

First 6	Middle 6						End Geometry					Pick 1	Pick 1									
GEO & DIA	FL, LOC & LBS	DIA	# FL	LOC	LBS	OAL	Square W/Wiper	----- Radius -----					Coolant	Coating								
								.015	.030	.060	.090	.125										
AS0437	39CCS4	0.437	3	0.562	1.000	2.750	S1	R3	R6	RC	RH	RM	0	0								
AS0437	39CDG4	0.437	3	0.562	1.250	2.750																
AS0437	39CE67	0.437	3	0.562	1.500	3.500																
AS0437	39CFK9	0.437	3	0.562	2.000	4.000																
AS0437	39CGSB	0.437	3	0.562	2.500	4.500																
AS0437	39CHYE	0.437	3	0.562	3.000	5.000																
AS0437	39CJ4G	0.437	3	0.562	3.500	5.500																
AS0437	39CKAI	0.437	3	0.562	4.000	6.000																
AS0500	3A6CS5	0.500	3	0.625	1.000	3.000	S1	R3	R6	RC	RH	RM	0	0								
AS0500	3A6DU7	0.500	3	0.625	1.375	3.500																
AS0500	3A6E67	0.500	3	0.625	1.500	3.500																
AS0500	3A6FK9	0.500	3	0.625	2.000	4.000																
AS0500	3A6G69	0.500	3	0.625	2.250	4.000																
AS0500	3A6GSB	0.500	3	0.625	2.500	4.500																
AS0500	3A6HYE	0.500	3	0.625	3.000	5.000																
AS0500	3A6J4G	0.500	3	0.625	3.500	5.500																
AS0500	3A6KAI	0.500	3	0.625	4.000	6.000																
AS0500	3A6LGK	0.500	3	0.625	4.500	6.500																
AS0500	3A6MML	0.500	3	0.625	5.000	7.000																
AS0625	3BUCS5	0.625	3	0.750	1.000	3.000	S1	R3	R6	RC	RH	RM	0	0								
AS0625	3BUE67	0.625	3	0.750	1.500	3.500																
AS0625	3BUEW9	0.625	3	0.750	1.750	4.000																
AS0625	3BUFK9	0.625	3	0.750	2.000	4.000																
AS0625	3BUGGC	0.625	3	0.750	2.375	4.625																
AS0625	3BUHYE	0.625	3	0.750	3.000	5.000																
AS0625	3BUJ4G	0.625	3	0.750	3.500	5.500																
AS0625	3BUKAI	0.625	3	0.750	4.000	6.000																
AS0625	3BULGK	0.625	3	0.750	4.500	6.500																
AS0625	3BUMML	0.625	3	0.750	5.000	7.000																
AS0625	3BUNUN	0.625	3	0.750	5.500	7.500																
AS0625	3BUQ0P	0.625	3	0.750	6.000	8.000																
AS0750	3CSFK9	0.750	3	1.000	2.000	4.000									S1	R3	R6	RC	RH	RM	0	0
AS0750	3CSGSB	0.750	3	1.000	2.500	4.500																
AS0750	3CSHYE	0.750	3	1.000	3.000	5.000																
AS0750	3CSJ4G	0.750	3	1.000	3.500	5.500																
AS0750	3CSKAI	0.750	3	1.000	4.000	6.000																
AS0750	3CSLGK	0.750	3	1.000	4.500	6.500																
AS0750	3CSMML	0.750	3	1.000	5.000	7.000																
AS0750	3CSNUN	0.750	3	1.000	5.500	7.500																
AS0750	3CSQ0P	0.750	3	1.000	6.000	8.000																
AS1000	3CSE69	1.000	3	1.000	1.500	4.000	S1	R3	R6	RC	RH	RM	0	0								
AS1000	3DGFKB	1.000	3	1.250	2.000	4.500																
AS1000	3DGGSE	1.000	3	1.250	2.500	5.000																
AS1000	3DGHCG	1.000	3	1.250	2.750	5.500																
AS1000	3DGJ4I	1.000	3	1.250	3.500	6.000																
AS1000	3DGKAK	1.000	3	1.250	4.000	6.500																
AS1000	3DGLGL	1.000	3	1.250	4.500	7.000																
AS1000	3DGMMN	1.000	3	1.250	5.000	7.500																
AS1000	3DGNUP	1.000	3	1.250	5.500	8.000																
AS1000	3DGQ0Q	1.000	3	1.250	6.000	8.500																
AS1000	3DGR6R	1.000	3	1.250	6.500	9.000																
AS1000	3DGLCS	1.000	3	1.250	7.000	9.500																
AS1000	3DGTIT	1.000	3	1.250	7.500	10.000																

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