



## List 8230 - A Brand AE-LN-VMSS: Long Neck

## List 8235 - A Brand AE-LN-VMSS: Long Neck

### Side Milling

Hardness	-	Up to 30 HRC	-	-	-	-	-	-	-	-	-	-	-	30-45 HRC				
Work Material	Carbon Steel Mild Steel Cast Iron	Tool Steel Alloy Steel	Stainless Steel 300SUS, 400SUS	Stainless Steel Precipitation Hardened 13-8PH, 15-5, 17-4PH	Titanium Alloy Ti-6AL-4V	Ni-Based Alloy Inconel 718	Prehardened Steels Hardened Steels											
Cutting Speed (SFM)	345 (265-395)	310 (230-360)	195 (130-265)	195 (165-230)	165 (130-195)	100 (65-115)	230 (165-295)											
Depth of Cut	<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <th>aa</th> <th>ar</th> </tr> <tr> <td>1.5D</td> <td>0.2D</td> </tr> </table>														aa	ar	1.5D	0.2D
aa	ar																	
1.5D	0.2D																	
Mill Dia.	Speed (RPM)	Feed (in/min)	Speed (RPM)	Feed (in/min)	Speed (RPM)	Feed (in/min)	Speed (RPM)	Feed (in/min)	Speed (RPM)	Feed (in/min)	Speed (RPM)	Feed (in/min)	Speed (RPM)	Feed (in/min)				
Inch	mm																	
-	6	5,580	65.4	5,010	48.4	3,150	17.7	3,150	16.1	2,670	15.4	1,620	6.9	3,720	29.1			
1/4	-	5,270	63	4,740	46.5	2,980	16.7	2,980	15.8	2,520	13.6	1,530	6.8	3,510	28.1			
5/16	-	4,220	50	3,790	37.2	2,380	13.3	2,380	13.2	2,020	12.4	1,220	6.5	2,810	22.5			
-	8	4,180	55.9	3,760	48.4	2,360	16.9	2,360	12.6	2,000	11.8	1,210	6.5	2,790	28.7			
3/8	-	3,510	48	3,160	41.3	1,990	14.3	1,990	12.2	1,680	11.6	1,020	6.2	2,340	24.5			
-	10	3,350	51.6	3,010	43.3	1,890	16.1	1,890	11.8	1,600	11.4	970	6.1	2,230	24.8			
7/16	-	3,010	46	2,710	39.4	1,700	14.5	1,700	11.6	1,440	11.2	870	5.9	2,010	22.6			
-	12	2,790	44.1	2,510	40.2	1,580	14.6	1,580	11.4	1,330	11.0	810	5.7	1,860	20.9			
1/2	-	2,640	41	2,370	37.7	1,490	13.9	1,490	10.5	1,260	10.3	760	5.6	1,760	20.0			
5/8	-	2,110	33	1,890	30.2	1,190	11.0	1,190	8.7	1,010	8.1	610	4.9	1,410	15.7			
3/4	-	1,760	27	1,580	25.2	990	9.2	990	6.6	840	6.4	510	4.3	1,170	13.1			
1	-	1,320	21	1,180	19.4	740	6.9	740	5.4	630	5.1	380	3.1	880	9.8			

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DRILLING

THREADING

MILLING

HOLDERS

INDEX

