



List 2010: Ball End, Regular Length, 2 Flute

Slotting

Work Material	Aluminum Alloy A6061, A7075		Aluminum Alloy Casting	
Cutting Speed	990 SFM		900 SFM	
Depth of Cut	$Aa < 0.6D$			
Mill Dia.	Speed RPM	Feed in/min	Speed RPM	Feed in/min
1/8	25,000	139.1	25,000	130.6
3/16	20,170	171.9	18,336	147.4
1/4	15,127	174.3	13,752	151.0
5/16	12,102	178.2	11,002	154.1
3/8	10,085	181.9	9,168	157.5
7/16	8,644	185.0	7,858	160.5
1/2	7,564	188.1	6,876	164.6
5/8	6,051	180.4	5,501	156.0
3/4	5,042	177.3	4,584	153.2
1	3,782	173.2	3,438	149.9

1. Use a rigid and precise machine and holder.
2. Use a water soluble cutting fluid.
3. Please adjust the speed and feed when the cutting depth is large or when machines with low rigidity are used.

Profiling

Work Material	Aluminum Alloy A6061, A7075		Aluminum Alloy Casting	
Cutting Speed	1190 SFM		1100 SFM	
Depth of Cut	$Aa = 0.1D \quad Ar = 0.2D$			
Mill Dia.	Speed RPM	Feed in/min	Speed RPM	Feed in/min
1/8	25,000	139.1	25,000	130.6
3/16	24,244	206.7	22,411	180.1
1/4	18,183	209.5	16,808	184.6
5/16	14,547	214.2	13,446	188.4
3/8	12,122	218.6	11,205	192.5
7/16	10,390	222.4	9,605	196.2
1/2	9,092	226.1	8,404	201.1
5/8	7,273	216.9	6,723	190.7
3/4	6,061	213.1	5,603	187.2
1	4,546	208.2	4,202	183.2

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