

1-800-GRAINGER (472-4643)

How to Select a Live Center

1. Determine machine's taper.
2. Determine the weight of the workpiece, while taking cutting forces into consideration. Weight of workpiece noted next to each item is the maximum weight the live center can safely carry.
3. Determine required operating speed.
4. Determine point style that best suits application. Standard points are best when rigidity and weight requirements are most important. Longer points offer maximum tool clearance when needed.

Live & Dead Centers

Bull Head Point centers are shorter than pipe heads, reducing interference in blind center hole applications and ensuring that the load is positioned over the bearings. Tri-Bearing design enables both high rpms and good load ratings. Quad-Bearing centers (and 41LJ90) feature Royal Roto-Shield technology with a live center point machined from a solid bar incorporating a specially-shaped steel coolant slinger.



**Dual-Bearing
Bull Head
41LK14**



**Quad-Bearing
CNC Carbide Point
41LJ99**



**Tri-Bearing Design
CNC Point
41LJ92**



**Dead Center
41LJ59**

Point Style	Morse Taper	Head Dia.	Head Length	Point Dia.	Max. Workpiece Weight	Max. Speed	Thrust Load	Item No.
Live Center								
Dual-Bearing Design								
Bull Head	4 MT	4.1500 in	3.0100 in	1 1/4 in	860 lb	4,500 RPM	2,550 lb	41LK13
	5 MT	4.1500 in	3.0100 in	1 1/4 in	860 lb	4,500 RPM	2,550 lb	41LK14
	5 MT	5.1500 in	3.1700 in	2 in	1,145 lb	4,000 RPM	3,450 lb	41LK16
Standard Point	5 MT	5.1500 in	3.6000 in	2 1/2 in	1,450 lb	3,500 RPM	4,500 lb	41LK17
	3 MT	2.3800 in	2.0700 in	1 in	500 lb	5,000 RPM	1,140 lb	41LK19
	4 MT	3 1/2 in	2.6400 in	1 1/2 in	1,070 lb	3,500 RPM	1,810 lb	41LK20
Quad-Bearing Design								
CNC Carbide Point	4 MT	2 5/8 in	2.7800 in	1/2 in	525 lb	12,000 RPM	1,380 lb	41LJ99
	5 MT	2 5/8 in	2.7800 in	1/2 in	525 lb	12,000 RPM	1,380 lb	41LK01
	2 MT	1.7000 in	2.1200 in	3/8 in	465 lb	6,000 RPM	1,270 lb	41LJ83
CNC Point	3 MT	1.7000 in	2.1200 in	3/8 in	465 lb	6,000 RPM	1,270 lb	41LJ84
	4 MT	2 5/8 in	2.7800 in	1/2 in	1,230 lb	5,000 RPM	2,150 lb	41LJ85
	4 MT	2 5/8 in	2.7800 in	1/2 in	525 lb	12,000 RPM	1,380 lb	41LJ97
Standard Point	5 MT	2 5/8 in	2.7800 in	1/2 in	1,230 lb	5,000 RPM	2,150 lb	41LJ86
	5 MT	2 5/8 in	2.7800 in	1/2 in	525 lb	12,000 RPM	1,380 lb	41LJ88
	3 MT	1.7000 in	2.1200 in	3/8 in	885 lb	6,000 RPM	1,270 lb	41LJ78
Standard Point	4 MT	2 5/8 in	2.7800 in	1 1/4 in	2,240 lb	5,000 RPM	2,150 lb	41LJ79
	5 MT	3.8200 in	3.8900 in	2 in	5,240 lb	3,000 RPM	5,300 lb	41LJ81
	5 MT	2 5/8 in	2.7800 in	1 1/4 in	2,240 lb	5,000 RPM	2,150 lb	41LJ80
Tri-Bearing Design	6 MT	3.8200 in	3.8900 in	2 in	5,240 lb	3,000 RPM	5,300 lb	41LJ82
	2 MT	1 1/4 in	1.4700 in	3/8 in	375 lb	6,000 RPM	2,360 lb	41LJ92
	3 MT	2.3300 in	1 1/4 in	3/8 in	740 lb	5,000 RPM	3,900 lb	41LJ83
CNC Point	3 MT	1 3/8 in	—	3/8 in	280 lb	5,000 RPM	315 lb	41LK04
	4 MT	1.2310 in	—	3/8 in	580 lb	4,500 RPM	435 lb	41LK05
	4 MT	2.6800 in	1.9800 in	1 1/2 in	1,120 lb	4,500 RPM	4,050 lb	41LJ94
CNC Point	5 MT	3.4500 in	2.8100 in	1 1/2 in	1,930 lb	3,500 RPM	5,700 lb	41LJ95
	6 MT	4 in	3.1500 in	3/4 in	2,420 lb	3,500 RPM	6,000 lb	41LJ96

Point Style	Morse Taper	Head Dia.	Head Length	Point Dia.	Max. Workpiece Weight	Max. Speed	Thrust Load	Item No.
Standard Point	2 MT	1 1/4 in	1.4700 in	3/8 in	725 lb	6,000 RPM	2,360 lb	41LJ87
	3 MT	2.3300 in	1 1/4 in	1 in	970 lb	5,000 RPM	3,900 lb	41LJ88
	3 MT	1 3/8 in	—	3/8 in	940 lb	5,000 RPM	315 lb	41LK02
	4 MT	1.2310 in	—	3/8 in	1,400 lb	4,500 RPM	435 lb	41LK03
	4 MT	2.6800 in	1.9800 in	1 1/4 in	1,720 lb	4,500 RPM	4,050 lb	41LJ89
	4 MT	3.3800 in	3.1500 in	3/4 in	1,165 lb	3,500 RPM	5,700 lb	41LK07
Full Carbide Point	4 MT	2 1/2 in	2.6000 in	3/8 in	685 lb	4,000 RPM	5,000 lb	41LK06
	5 MT	3.3800 in	3.1500 in	3/4 in	1,165 lb	3,500 RPM	5,700 lb	41LK08
	5 MT	3.4500 in	1.8400 in	1 1/2 in	3,260 lb	3,500 RPM	5,700 lb	41LJ90
	6 MT	4 in	2.3100 in	2 in	4,080 lb	3,500 RPM	6,000 lb	41LJ91

Point Type	Morse Taper	Head Dia.	Head Length	Point Dia.	Item No.
Dead Center					
Carbide Threaded Point	3 MT	0.9380 in	—	3/8 in	41LJ72
	4 MT	1.2310 in	—	1/2 in	41LJ73
	5 MT	1.7480 in	—	1/2 in	41LJ74
Full Carbide Point	2 MT	0.7000 in	1 3/8 in	3/8 in	41LJ64
	3 MT	0.9380 in	1 1/8 in	1/2 in	41LJ65
	4 MT	1.2310 in	2 1/4 in	1/2 in	41LJ66
Full Point	5 MT	1.7480 in	2 3/4 in	3/8 in	41LJ67
	2 MT	0.7000 in	1 3/8 in	3/8 in	41LJ59
	3 MT	0.9380 in	1 1/8 in	1/2 in	41LJ60
Threaded Point	4 MT	1.2310 in	2 1/4 in	1/2 in	41LJ61
	5 MT	1.7480 in	2 3/4 in	3/8 in	41LJ62
	3 MT	0.9380 in	—	3/8 in	41LJ69
Threaded Point	4 MT	1.2310 in	—	1/2 in	41LJ70
	5 MT	1.7480 in	—	1/2 in	41LJ71



Manual Horizontal Band Saws

Cut metal, pipe, channel, and conduit. **Mitering band saws** have a pivoting head to make mitered cuts in addition to straight cuts. **Non-mitering band saws** make straight downward cuts. They provide better precision and repeatability when making straight cuts than mitering saws that have a pivoting head.

Rectangular Cutting Capacity	Round Cutting Capacity	SFPM Range	Miter Angle Range	Current	Phase	Brand	Item No.
Mitering Band Saws							
110/220V AC							
7 in x 10 3/8 in	7 in	125 to 270	0° to 45°	—	1	Baileigh Industrial	31XU56
110V AC							
5 3/8 in x 5 in	5 in	75 to 246	0° to 60°	10.0 A	1	Baileigh Industrial	55KM80
5 in x 6 in	5 in	78 to 200	45° Left to 60° Right	—	1	Baileigh Industrial	31XU39
8 1/4 in x 6 1/8 in	7 in	66 to 280	45° Left to 60° Right	—	1	Baileigh Industrial	31XU43
10 1/4 in x 4 3/8 in	8 3/8 in	66 to 280	0° to 60°	—	1	Baileigh Industrial	31XU46
115/230V AC							
2 in x 16 in, 8 1/2 in x 14 in	9 in	82 to 235	45°, 90°	18.0/9.0 A	1	Jet	18F211
5 1/2 in x 6 1/2 in	5 in	80 to 200	0°	—	1	Dayton	2LK74
6 in x 16 in	9 in	53 to 257	45°, 90°	—	1	Jet Elite	20UT93
9 in x 13 in	9 in	82 to 235	45°, 90°	18.0/9.0 A	1	Jet	3WR18
10 in x 10 in, 7 in x 16 in	10 in	100 to 350	45°, 90°	18.0/9.0 A	1	Jet	3WRN6
13 in x 5 1/4 in, 13 1/2 in x 2 in	8 in	82 to 310	45°, 90°	18.0/9.0A	1	Jet Elite	20UT91
14 in x 8 in, 2 in x 14 in	8 in	135 to 256	45°, 90°	—	1	Jet	42W916
115V AC							
7 1/2 in x 5 in	5 in	80 to 200	45°, 90°	9.0/4.5 A	1	Jet	42W919
7 1/2 in x 5 in	5 in	85 to 200	45°, 90°	9.0/4.5 A	1	Jet	3WRN5
120V							
7 in x 10 3/8 in	7 in	125 to 270	0° to 45°	—	1	Baileigh Industrial	31XU57
220V AC							
8 1/8 in x 13 1/2 in	8 3/8 in	82 to 235	0° to 45°	—	1	Baileigh Industrial	31XU59
9 1/8 in x 16 3/8 in	10 3/8 in	66 to 233	0° to 45°	—	1	Baileigh Industrial	31XU49
10 3/8 in x 4 3/8 in	9 3/8 in	66 to 280	45° Left to 60° Right	—	1	Baileigh Industrial	31XU47
13 1/8 in x 8 1/8 in	10 3/8 in	66 to 280	45° Left to 60° Right	30.0 A	1	Baileigh Industrial	15V791
13 in x 18 in	13 in	60 to 306	45° Left to 60° Right	—	3	Baileigh Industrial	31XU41
13 in x 18 1/2 in	13 in	82 to 270	0° to 45°	—	1	Baileigh Industrial	31XU51
230V AC							
6 1/8 in x 9 3/4 in	9 in	105 to 216	0° to 60°	7.0	1	Dayton	499F59
10 in x 16 in, 6 1/2 in x 18 in	10 in	82 to 330	45°, 90°	15.0 A	1	Jet	18F213
18 in x 3 1/2 in	10 in	53 to 257	45°, 90°	—	1	Jet Elite	20UT92
460V AC							
10 in x 10 in, 7 in x 16 in	10 in	100 to 350	45°, 90°	4.0 A	3	Jet	42W922
Non-Mitering Band Saws							
220V AC							
7 in x 11 1/8 in	8 in	59 to 260	0°	3.4 A	3	Sharp	446N83
9 in x 11 1/8 in	10 in	75 to 305	0°	6.8 A	3	Sharp	446N84



**Mitering
2LKT4**



**Non-Mitering
446N83**