

Jet Vertical Bandsaw

VBS-1408



Machine Purpose: Cutting sheet metal

Safety: **Must wear safety glasses while operating machine. Keep.** Beware of objects that dangle and could get caught in blade. Beware of flying metal chips. **ALWAYS KEEP GUARD ADJUSTED ¼" ABOVE WORK PIECE.**

Materials: Metals, Plastics, Synthetic, No Wood

Machine Specs: 14" throat, 20"x20" Bed Size, Tilt deg: 8 F & B, 12 L & 15 R, 82-330 SFM

Limitations: NO MATERIAL THICKER THEN ¼", round stock should be used with a jig

Blade: 114"

Welder Capacity: ½"

Accessories: Work Light, Tilting Table

Instruction Required: Cold Metals Basics Training

Reminders: If cutting tight corners use relief cuts, if alignment or tracking if off please ask shop tech for assistance, do not open doors while blade is spinning



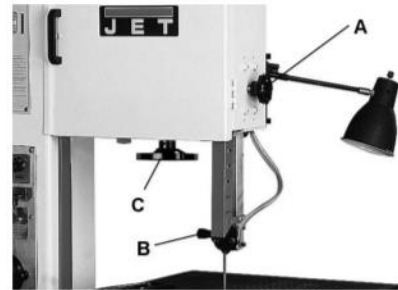
MHUB

Precheck:

- Blade tension: With guard fully raised blade should be able to move 3/8" either side of center
- Blade tracking: Blade stay stationary centered on the wheels
- Blade guide alignment: Adjust for 0.010" clearance on either side

Adjusting Guard

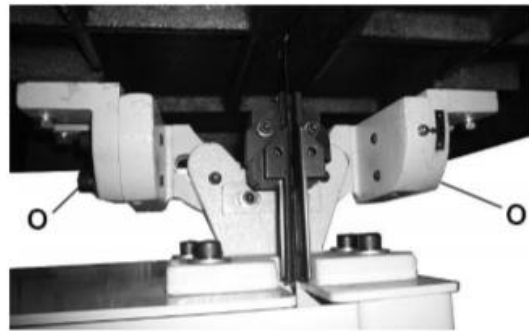
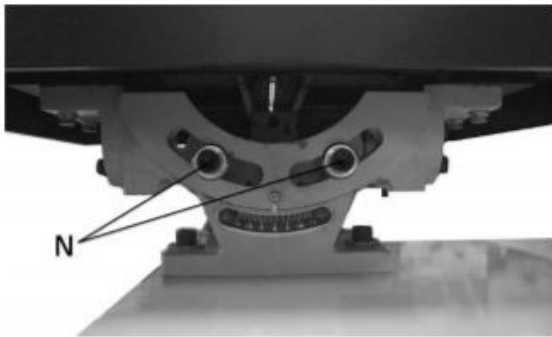
1. Loosen handle (A)
2. Grasp handle (B) and slide guard to 1/4" above material



Adjusting Table Tilt

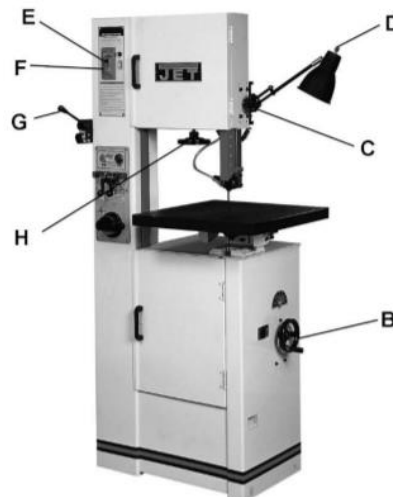
Left/Right: Loosen N

Front/Back: Loosen O



Adjusting Speed

1. Turn on machine
2. Turn handle (B) to adjust speed



Material	Thickness	Sawing speed (M/min) for specified Material & thickness					Pitch (No. of teeth / inch)				
		~1/4	1/4~1	1~3	3~6	6~	~1/4	1/4~1	1~3	3~6	6~
High carbon steel		70	60	60	45	45	18	14	10	6	4
Free cutting steel		60	45	40	30	30	18	14	12	6	4
Ordinary tool steel		40	30	30	25	20	24	18	14	8	4
High speed steel		30	25	20	20	20	24	14	12	8	4
Stainless steel		25	20	20	20	20	18	14	10	8	4
Thick iron plate		45	30	20	20	20	18	14	10	8	4
Cast iron		45	40	30	25	20	18	14	12	8	4
Aluminum 108,A108		365	275	180	120	60	18	10	6	3	3
A132,C133		365	275	180	120	60	18	10	6	3	3
13,43,85,4032,6151		550	425	245	150	90	18	10	6	3	3
113,138,152,B-195		550	380	275	180	90	18	10	6	3	3
B-214,312,333		550	380	275	180	90	18	10	6	3	3
212,355,356,360,380		550	380	275	180	90	18	10	6	3	3
142,195,750		915	825	735	670	610	18	10	6	3	3
2014,2018,2025		915	825	735	670	610	18	10	6	3	3
6053,7075		915	825	735	670	610	18	10	6	3	3
6061,6063		1500	1220	1065	915	770	18	10	6	3	3
122,214,218,220		1500	1385	1220	1065	915	18	10	6	3	3
1100,2011,2017,3003,3004		1500	1500	1500	1385	1220	18	10	6	3	3
2024,5052		1500	1500	1500	1500	610	18	10	6	3	3
Magnesium bronze		125	75	40	25	20	14	8	6	3	3
Leaded commercial bronze		915	610	450	305	150	14	8	6	3	3
Commercial bronze		150	105	60	30	20	14	8	6	3	3
Free cutting brass		1220	915	610	450	300	14	8	6	3	3
Forging brass		610	460	335	245	150	14	8	6	3	3
High leaded brass		1065	825	565	410	260	14	8	6	3	3
Leaded brass		610	460	275	215	150	14	8	6	3	3
Low loaded brass		455	305	150	60	20	14	8	3	3	3
Leaded copper		765	550	360	240	120	14	8	3	3	3
Cadmium copper		90	60	30	25	20	14	8	3	3	3
Magnesium		1500	1385	1220	915	610	14	8	3	3	3
Cadmium		1220	1065	915	915	760	14	8	6	3	3
Manganese		60	45	30	25	20	24	14	6	3	3
Nickel		55	40	30	25	20	18	14	6	3	3
Bdenum		55	45	40	35	25	18	14	6	3	3
Chrome		50	40	25	20	20	18	14	6	3	3
Silicon		55	30	30	20	20	18	14	6	3	3
Carbon (8~35)		1220	1065	915	765	610	10	6	3	3	3
Carbon (35~65)		615	245	90	45	20	14	10	6	3	3
Carbon (1008~ 1095)		60	45	30	25	20	24	14	6	3	3
Rubber		460	155	90	60	45	18	14	10	8	6
Plastics		1500	1065	765	550	455	10	8	3	3	3

