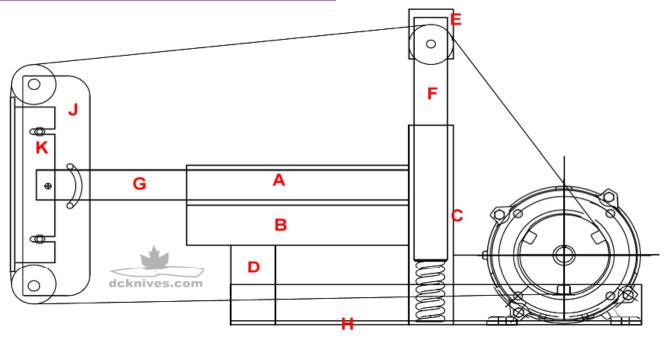
BG-272 Belt Grinder Bill of Materials

Dan ComeauDocument number: EM003Updated: 2/28/2017

http://dcknives.blogspot.com/p/2-x-72-belt-grinder.html



STEEL	ITEM	DESCRIPTION	
2" HSS square 0.188 wall (40")		Cuts (inches)	37.5 total
The wall thickness is very important!	А	10	
Do not use common 0.125" wall	В	10	
	С	10	
	D	4	
	Е	3.5	
1.5" HSS square 0.25" wall (32")		Cuts (inches)	30 total
Use 0.25" wall only	F	13	
You will need to drill and tap this for a 1/4" bolt	G	17	
0.25" x 12" x 20"	Н	Grinder base plate	
0.188" 12" x 3"	J	Platen plate	
2" angle, 0.188" x 9"	K	Platen	
0.125" x 1.5" flat bar	4	4 inches	
Welded to top and bottom of tracking pillar			
30 pound compression spring	1	Screen door chain spring works	
Work Rest			
0.25" x 4" x 6" flat stock	1	Work rest	
0.375" x 0.75" x 10" bar stock	1	Work rest arm	

ARDWARE QTY		DESCRIPTION	
Adjustable Handle, 3/8"-16 McMstr-Carr P/N 6271K31	2	Handles to lock tool arms	
3/8" NC Hex nut	2	Lock down nuts	
Tracking Pillar			
5/16" x 1" NC Capscrew	1	Magic 8 Ball mount, top of tracking pillar	
Magic 8 Ball Shifter Knob	1	Element of extra coolness	
1/4" x 2" NC Carriage bolt	1	Tracking hinge	
1/4" Flat Washer	2	Tacked and ground for fitting hinge (E)	
1/4" NC Nylon locknut	1	Securing the tracking hinge	
Motor Mounting			
1/4" x 3/4" NC Flat head bolts	4	Motor mounts	
1/4" NC Nuts	8	Motor mounts	
1/4" Fender Washer	4	Underside of motor foot	
1/4" Flat Washer	4	Topside of motor foot	
1/4" Nylon Lock Nut	4	Topside of motor foot	
Miscellaneous			
1-1/2" Floor Glide	1	Can for tool arm	
Strips of HDPE (plastic oil jug), 1" wide x 8" long	2	Cap for tool arm Shimming tracking pillar	
1/4" x 3/4" NC Hex Socket Capscrew	2	Attaching work rest arm to tool arm	
1/4" x 2-1/2" NC capscrew	1	Making tracking adjustment knob	
1/4 X 2-1/2 NC capscrew	т	Making tracking adjustinent knob	
Wheel Mounting			
Bolts to match your wheel bearings inside diameter.	3	Idler wheel axles	
1/2" NC x 2-1/2" to 3" long			
F /4 C China	2	Cut from ask adula 40.3/01 pins	
5/16" Shim 1/2" SAE Flat washer	2	Cut from schedule 40 3/8" pipe	
1/2" NC Nylon Locknut	2	Securing wheels Securing wheels	
OBM has a set with 1/2" bolts. See Blog		•	
OBM has a set with 1/2 boits. See Blog	http://d	cknives.blogspot.com/p/2-x-72-belt-grinder.html	
Platen			
1/4" x 3/4" NC Capscrew	2	Attaching platen to plate	
1/4" flatwasher	2	Attaching platen to plate Attaching platen to plate	
1/4" x 3/4" NC Capscrew	1	Platen plate to tool arm (arm is tapped)	
1/4" flatwasher	2	• • • • • • • • • • • • • • • • • • • •	
3/8" NC nut	1	Attaching platen plate to tool arm	
1/4" x 3/4" NC Capscrew	1	Welded inside tool arm Tightening platen angle adjustment	
1/4" flatwasher	1	Tightening platen angle adjustment	
בון די ווענישטווכו		rightening platen angle aujustinent	

From 2014 BG-272 Belt Grinder Build inspired by Alaksabearhawk.

Your bill of materials will vary with your build and components selected. If you find an error please let me know so I can correct it. Thanks,

