

Mul File Specification - Zstdopdef

Specification for the Zstdopdef .mul file

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Specification

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Specification

The Zstdopdef file contains

No	Name	Format	Example	Notes
1		string	BFFHP	
2		string	BiFold Flat Handle Prep	
3		numeric	5	
4		string	Ypos	
5		string	Zpos	
6		string	Wid	
7		string	Len	
8		string	Ang	
9		string	Pl	
10		string	Rad	

Sample

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ZStdOpDef.Mul Created By FlowlineOps.Net
5MM4SP,5mm spindle test ZX4,10,Ypos,Zpos,Ang,,,,
BFFHP,BiFold Flat Handle Prep,5,Ypos,Zpos,Wid,Len,Ang,Pl,Rad,
BOX10,Box 10mm Tool,18,Ypos,Zpos,Pl,Hei,Wid,Slug,,
BOX10D,Box 10mm Tool Deep,18,Ypos,Zpos,Pl,Hei,Wid,Slug,,
BOX10DF,Box 10mm Tool Deep w fix,18,Ypos,Zpos,Pl,Hei,Wid,Slug,,
BOX10DP,Box 10mm Tool DP,18,Ypos,Zpos,Pl,Hei,Wid,Slug,,
BOX10DPF,Box 10mm Tool DP w Fix,18,Ypos,Zpos,Pl,Hei,Wid,Slug,,
BOX10DPF_SC,Box 10mm Tool DP w Fix,18,Ypos,Zpos,Pl,Hei,Wid,Slug,Spd,
BOX10F,Box 10mm Tool w Fix,18,Ypos,Zpos,Pl,Hei,Wid,Slug,,
BOX12,Box 12mm Tool,18,Ypos,Zpos,Pl,Hei,Wid,Slug,,
BOX12DP,Box 12mm Tool DP,18,Ypos,Zpos,Pl,Hei,Wid,Slug,,
BOX12DPF,Box 12mm Tool DP w Fix,18,Ypos,Zpos,Pl,Hei,Wid,Slug,,
BOX12F,Box 12mm Tool w Fix,18,Ypos,Zpos,Pl,Hei,Wid,Slug,,
BOX12HDP,Half Box 12mm Tool DP,18,Ypos,ZpSP,ZpDP,Pl,Hei,Wid,Slug,Dir
CALRACK,Calibrate Rack,10,Pl,,,,,,,,
DALLOH5,5 Datums OH 5 Spin,10,,,,,,,,
DALLOH8,5 Datums OH 8 Spin,10,,,,,,,,
DALLSH5,5 Datums SH 5 Spin,10,,,,,,,,
DAT10AF,Datum Hole 10mm Autoflow,10,,,,,,,,
DAT10DS,Datum Hole 10mm Datum Spindle,10,,,,,,,,
DAT10vs,Datum Hole 10mm vs,10,Spin,,,,,,,,
DAT10vso,Datum Test 4 Holes 10mm vso,1,sp,,,,,,,,
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DATOOLS,Datum Test 10mm 5mm 3mm,1,rad,,,,,,,,
 DATUM10,DATUM TEST 4 HOLES 10mm Tool,1,,,,,,,,
 DATUM12,DATUM TEST 4 HOLES 12mm Tool,1,,,,,,,,
 DATUMRT3,DATUM R,1,,,,,,,,
 DATUMXT2,DATUM X,1,,,,,,,,
 DATUMYZ2,DATUM YZ,1,,,,,,,,
 DDFZKBE,Drainage Slot Deep (Upstand Remove),1,Ypos,Zpos,Angl,Pl,UpY,UpZ,Ang,
 DDUFKBE,Drainage Slot Deep (Upstand Remove),1,Ypos,Zpos,Angl,Pl,UpY,UpZ,Ang,
 DDURKBE,Drainage Slot Deep (Upstand Remove),1,Ypos,Zpos,Angl,Pl,UpY,UpZ,Ang,
 DDRKBE,Drainage Slot Deep (Upstand Remove),1,Ypos,Zpos,Angl,Pl,UpY,UpZ,Ang,
 DHJAMB,Door Hinge Jamb,10,Ypos,Zpos,Ang,hax,hay,xp,dir,
 DHSASH,Door Hinge Sash,10,Ypos,Zpos,,,,,
 DMCRAMP,DMC Ramp,1,yp,zp,rp,pl,reb,len,Spd,
 DMCRAMPZ,DMC Ramp,1,yp,zp,rp,pl,dpth,hs,Spd,
 DRAIN,Drainage Slot,1,Ypos,Zpos,Angl,Pl,,,,
 DRAINDE,Drainage Slot Deep,1,Ypos,Zpos,Angl,Pl,,,,
 DRAINDS,DrainSlot Deep SpdControl,1,Ypos,Zpos,Angl,Pl,Spd,,,
 DRAINDU,Drainage Slot Deep (Upstand Remove),1,Ypos,Zpos,Angl,Pl,UpY,UpZ,Ang,
 DRAINEQ,Drainage Hole Press. Eq.,1,Ypos,Zpos,Angl,Pl,Slot,,,
 DRAINEQS,Drainage Eq Speedy,1,Ypos,Zpos,Angl,Pl,Slot,,,
 DRAINMID,DMC pl/4 /4 /2,1,Ypos,Zpos,Angl,Pl,Bh,Sh,,
 DRAINMID3,DMC pl/3 /3 /3,1,Ypos,Zpos,Angl,Pl,Bh,Sh,,
 DRAINMSP,MIDDLE CHAMBER DRAINAGE,1,Ypos,Zpos,Angl,Pl,Bh,Sh,,
 DRAINMSR,MIDDLE CHAMBER DRAINAGE,1,Ypos,Zpos,Angl,Pl,Bh,Sh,,
 DRAINS,Drainage Slot,1,Ypos,Zpos,Angl,Pl,,,,
 DRAINSPD,Drainage Slot Speed Control,1,Ypos,Zpos,Angl,Pl,PLS,CtS,,
 DRAINU,Drainage Slot (Upstand Remove),1,Ypos,Zpos,Angl,Pl,UpY,UpZ,Ang,
 DRAINUA,Drainage Ups Angled,1,Ypos,Zpos,Angl,Pl,UpY,UpZ,Uang,
 DRAINUDA,Drainage Ups Deep Angle,1,Ypos,Zpos,Angl,Pl,UpY,UpZ,Uang,
 DRAINUF,Drainage Slot (Upstand Remove),1,Ypos,Zpos,Angl,Pl,UpY,UpZ,Ang,
 DRAINUR,Drainage Slot (Upstand Remove),1,Ypos,Zpos,Angl,Pl,UpY,UpZ,Ang,
 DUFKBE,Drainage Slot (Upstand Remove),1,Ypos,Zpos,Angl,T,UpY,UpZ,Ang,
 DUFZKBE,Drainage Slot (Upstand Remove),1,Ypos,Zpos,Angl,T,UpY,UpZ,Ang,
 DURKBE,Drainage Slot (Upstand Remove),1,Ypos,Zpos,Angl,Pl,UpY,UpZ,Ang,
 ENDBAR,End of Bar Test,1,,,,,,,,
 FRSPFRZ3,4 Hole Spot Prep 3mm,10,Yf,Yr,Zp1,Zp2,Zp3,Ha,,
 FRSPFRZ5,4 Hole Spot Prep 5mm,10,Yf,Yr,Zp1,Zp2,Zp3,Ha,,
 FSPFRZ3,4 Hole Spot Prep 2xha,10,Yf,Yr,Zp1,Zp2,Ha1,Ha2,,
 FSPFRZ5,4 Hole Spot Prep 2xha,10,Yf,Yr,Zp1,Zp2,Ha1,Ha2,,
 FSPX5,Four Spot Preps on X Axis 5mm,10,Yp,Zp,X1,X2,X3,X4,Ang,Pl
 FSPZ5,4 Hole Spot Prep 2xha,10,Yp,Ang,Zp1,Zp2,Ha1,Ha2,,
 HAND1DT4,Handle Prep 1P DeepTD 12.7mm,4,Ydrl,Zdrl,Ddth,Yslt,Zslt,Shgt,Slth,Ang
 HAND1PT2,Handle Prep 1 Pass 10mm,4,Ydrl,Zdrl,Ddth,Yslt,Zslt,Shgt,Slth,Ang
 HAND1PT4,Handle Prep 1 Pass 12.7mm,4,Ydrl,Zdrl,Ddth,Yslt,Zslt,Shgt,Slth,Ang
 HAND2DT2,Handle Deep 2 Pass 10mm,4,Ydrl,Zdrl,Ddth,Yslt,Zslt,Shgt,Slth,Ang
 HAND2PT2,Handle Prep 2 Pass 10mm,4,Ydrl,Zdrl,Ddth,Yslt,Zslt,Shgt,Slth,Ang
 HAND2PT3,Handle Prep 2 Pass 5mm,4,Ydrl,Zdrl,Ddth,Yslt,Zslt,Shgt,Slth,Ang
 HANDSP,Handle Prep 2 Pass 5mm,4,Ydrl,Zdrl,Ddth,Yslt,Zslt,Shgt,Slth,Ang
 HOLE10,Hole With 10mm,22,Yp,Zp,R,Ang,Pl,,,
 HOLE10Y,Hole With 10mm,22,Yp,Zp,R,Ang,Pl,,,
 HOLE10Y_TB,Hole With 10mm T/B,22,Yp,Zp,R,Ang,Pl,,,
 HOLES5,Hole With 5mm,22,Yp,Zp,R,Ang,Pl,,,
 HOLES5Y,Hole With 5mm,22,Yp,Zp,R,Ang,Pl,,,
 HOLEFR,Hole With 10mm F and R,22,Yp,Zp,R,Ang,Pl,Yp2,Ang2,
 HSSFS,SFS Door Hinge Sash,10,ypos,zpos,ypb,ypb,rb,rs,pl,
 INFEED,Infeed Test,10,,,,,,,,
 LASERHL,Laser Hole,10,,,,,,,,
 LASERHL1,Laser Hole,10,Pl,Zp,,,,,
 LASERHL2,Laser Hole,10,Zp,,,,,
 LFAB,Handle Prep,5,Dir,Yp,Zp,,,,,
 LHL1,Laser Hole 1,10,Pl,Zp,,,,,
 LHL1DS,Laser Hole 1 Datum Spin,10,Pl,Spin,Yp,Zp,Spd,,,
 LHL1vs,Laser Hole 1 vs,10,Pl,Spin,Zp,,,,,
 LHL1vso,Laser Hole 1 vso,10,Pl,Spin,Zp,,,,,
 LHL2,Laser Hole 2,10,Pl,Zp,,,,,
 LHL2DS,Laser Hole 2 Datum Spin,10,Pl,Spin,Zp,Spd,,,,
 LHL2vs,Laser Hole 2 vs,10,Pl,Spin,Zp,,,,,
 LHL2vso,Laser Hole 2 vso,10,Pl,Spin,Zp,,,,,
 LPAD,Handle Prep,5,Dir,Yp,Zp,,,,,
 LPATIO,Patio Lock,5,Dir,Yp,Zp,,,,,
 MANYSPIN,Spindle Test,10,,,,,,,,
 MOVE,X Motor Test,10,,,,,,,,
 NULL,Null Operation,3,,,,,,,,
 PVENT,Patio Vent Head 2 Slot 1 Pass,3,Ytop,Ybot,Tang,Zpos,L1,W,S,

PVENT1S,Patio Vent Head 2 Slot 1 Pass,3,Ytop,Ybot,Tang,Zpos,L1,W,,
RTEST,R Axis Test,10,,,,,,,,,
SD1T1PT4,1 Slot 1 Deep using 12.7mm,22,Yp,Zp,SH,SL,Ang,Pl,,
SD1Y2PT2,1 Slot 1 Pass on Z using 10mm F/R,22,Yf,Yr,Zp,Wid,Len,Ang,Pl,
SD1Y2PT3,1 Slot 2 Pass on Y using 5mm Deep 2P,22,Yp,Zp,SH,SL,Ang,Pl,,
SD1Z2PT2,1 Slot (Deep) 2 Pass on Z 10mm,22,Yp,Zp,Sh,Sl,Ang,Pl,,
SD1Z2PT3,Slot Deep 5mm 2 Pass on Z,22,Yp,Zp,SW,SL,Ang,Pl,,
SFRZ1PT2,Slot Deep 5mm 2 Pass on Z,22,Yp,Zp,SW,SL,Ang,Pl,,
SL1T1PT2,1 Slot 1 Pass using 10mm,22,Yp,Zp,SH,SL,Ang,Pl,,
SL1T1PT2_SC,1 Slot 1 Pass using 10SC,22,Yp,Zp,SH,SL,Ang,Pl,Spd,
SL1T1PT3,1 Slot 1 Pass using 5mm,22,Yp,Zp,SH,SL,Ang,Pl,,
SL1T1PT4,1 Slot 1 Pass using 12.7mm,22,Yp,Zp,SH,SL,Ang,Pl,,
SL1T1PT7,1 Slot 1 Pass using 16mm Tool,22,Yp,Zp,SH,SL,Ang,Pl,,
SL1T1PT7_SC,1 Slot 1 Pass using 16SC,22,Yp,Zp,SH,SL,Ang,Pl,Spd,
SL1Y2PT2,1 Slot 2 Pass on Y using 10mm,22,Yp,Zp,SH,SL,Ang,Pl,,
SL1Y2PT2_SC,1 Slot 2 Pass on Y using 10mm,22,Yp,Zp,SH,SL,Ang,Pl,Spd,
SL1Y2PT3,1 Slot 2 Pass on Y using 5mm,22,Yp,Zp,SH,SL,Ang,Pl,,
SL1Y2PT4,1 Slot 2 Pass on Y using 12.7mm,22,Yp,Zp,SH,SL,Ang,Pl,,
SL1Z2PT2,1 Slot 2 Pass on Z using 10mm,22,Yp,Zp,SH,SL,Ang,Pl,,
SL1Z2PT2_SC,1 Slot 2 Pass on Z using 10mm,22,Yp,Zp,SH,SL,Ang,Pl,Spd,
SL1Z2PT3,1 Slot 2 Pass on Z using 5mm,22,Yp,Zp,SH,SL,Ang,Pl,,
SL1Z2PT4,1 Slot 2 Pass on Z using 12.7mm,22,Yp,Zp,SH,SL,Ang,Pl,,
SL1Z3PT2,1 Slot 3 Pass on Z using 10mm,22,Yp,Zp,SH,SL,Ang,Pl,,
SL1Z3PT2_PV,1 Slot 3 Pass on Z 10PVC,22,Yp,Zp,SH,SL,Ang,Pl,,
SL2T1PT2,2 Slot 1 Pass using 10mm,22,Yp,Zp,SH,SL,Slug,Ang,Pl,
SL2Y2PT2,2 Slot 2 Pass on Y using 10mm,22,Yp,Zp,SH,SL,Slug,Ang,Pl,
SL2Y2PT2_PV,2 Slot 2 Pass on Y 10PVC,22,Yp,Zp,SH,SL,Slug,Ang,Pl,
SL2Y2PT3,2 Slot 2 Pass on Y using 5mm,22,Yp,Zp,SH,SL,Slug,Ang,Pl,
SL2Y2PT4,2 Slot 2 Pass on Y using 12.7mm,22,Yp,Zp,SH,SL,Slug,Ang,Pl,
SL2Z2PT2,2 Slot 2 Pass on Z using 10mm,22,Yp,Zp,SH,SL,Slug,Ang,Pl,
SL2Z2PT3,2 Slot 2 Pass on Z using 5mm,22,Yp,Zp,SH,SL,Slug,Ang,Pl,
SL2Z2PT4,2 Slot 2 Pass on Z using 12.7mm,22,Yp,Zp,SH,SL,Slug,Ang,Pl,
SL3T1PT2,3 Slot 1 Pass using 10mm,22,Yp,Zp,SH,SL,Slug,Ang,Pl,
SL3T1PT4,3 Slot 1 Pass using 12mm,22,Yp,Zp,SH,SL,Slug,Ang,Pl,
SL4T1PT4,4 Slot 1 Pass using 12mm,22,Yp,Zp,SH,SL,Slug,Ang,Pl,
SLFR2PT2,Slot on Front/Rear 2 Pass Tool 2,3,Yf,Yr,Zp,Wth,Lth,Pl,,
SP10,10mm Spot,10,yf,zp,ang,pl,,,,
SP10FR,10mm Spot F&R,10,yf,yr,zp,,,,
SP10TB,10mm Spot T&B,10,yp,zpt,zpb,ant,anb,plt,plb,
SP12,12mm Spot,10,yf,zp,ang,,,,
SP12FR,12mm Spot F&R,10,yf,yr,zp,,,,
SP12TB,12mm Spot T&B,10,yp,zpt,zpb,ant,anb,plt,plb,
SP16TB,16mm Spot T&B,10,yp,zpt,zpb,ant,anb,plt,plb,
SP3,Spot Prep 3mm,10,Ypos,Zpos,Ang,,,,
SP3FR,3mm Spot F&R,10,yf,yr,zp,,,,
SP3S,Spot Prep 3mm - No Plunge,10,Ypos,Zpos,Ang,,,,
SP3SLF,Spot Prep 3mm Slow Frt,10,Ypos,Zpos,Ang,,,,
SP3SLR,Spot Prep 3mm Slow Rear,10,Ypos,Zpos,Ang,,,,
SP3TB,3mm Spot T&B,10,ypt,ypb,zpt,zpb,ant,anb,plt,plb
SP5,Spot Prep 5mm,10,Ypos,Zpos,Ang,Pl,,,,
SP5CS,SpotPrep 5mm Countersunk,10,Ypos,Zpos,Ang,PI5,P10,,
SP5FR,5mm Spot F&R,10,yf,yr,zp,,,,
SP5FRSF,5mm Spot F&R Slow Feed,10,yf,yr,zp,,,,
SP5S,Spot Prep 5mm - No Plunge,10,Ypos,Zpos,Ang,,,,
SP5SLF,Spot Prep 3mm Slow Frt,10,Ypos,Zpos,Ang,,,,
SP5SLR,Spot Prep 3mm Slow Rear,10,Ypos,Zpos,Ang,,,,
SP5TB,5mm Spot T&B,10,yp,zpt,zpb,ant,anb,plt,plb,
SPINDLE,Spindle Motor Test,10,,,,,,,,,
SQC2DS,Sqcutt Tool 2 vs,2,Off,Ypos,Zpos,YSpd,ZSpd,,
SQC2DSY,Sqcutt Tool 2 YN,2,DNU,Ypos,Zpos,YSpd,ZSpd,os,,
SQC2vs,Sqcutt Tool 2 vs,2,Off,Ypos,Zpos,YSpd,ZSpd,sp,,
SQC2vso,Sqcutt Tool 2 vso,2,Off,Ypos,Zpos,YSpd,ZSpd,sp,,
SQCUTAF,Wide to Narrow Frame Cut using Tool 2,2,Off,Ypos,Zpos,YSpd,ZSpd,,
SQCUTT2,Wide to Narrow Frame Cut using Tool 2,2,Off,Ypos,Zpos,Spd,,,,
SQCUTT4,Wide to Narrow Frame Cut using Tool 4,2,Off,Ypos,Zpos,Spd,,,,
TDRILL,Triple Drill 10/12/10,4,Ydrl,Zdrl,Ddth,Ang,,,,
TESTAXR,R Axis Test,1,,,,,,,,,
TESTAXX,X Axis Test,1,,,,,,,,,
TESTAXY,Y Axis Test,1,,,,,,,,,
TESTAXZ,Z Axis Test,1,,,,,,,,,
TESTCL,X Axis Speed Test,1,,,,,,,,,
TESTOUT,Output Test,1,,,,,,,,,
THSP3,Three Spot Preps 3mm,10,Yp,Zp,Ang,HA,,,,
THSP5,Three Spot Preps 5mm,10,Yp,Zp,Ang,HA,,,,

THSPFRZ3,Three Spot Preps Z F/R 3mm,10,Yf,Yr,Zp1,Zp2,Ha,,
 THSPFRZ5,Three Spot Preps Z F/R 5mm,10,Yf,Yr,Zp1,Zp2,Ha,,
 THSPY5,Three Spot Preps Y 5mm,10,Yp1,Yp2,Zp,Ang,Pl,HA,,
 TSLDPY2,2Slot 2PassY T/B DP 10mm,22,Yp1,Yp2,ZpD,ZpS,SH,SL,Pl,
 TSPFRX3,Two Spot Preps F/R 3mm,10,Yf,Yr,Zp,Ha,,
 TSPFRX5,Two Spot Preps F/R 5mm,10,Yf,Yr,Zp,Ha,Pl,,
 TSPFRZ3,Two Spot Preps Z F/R 3mm,10,Yf,Yr,Zp1,Zp2,,
 TSPFRZ5,Two Spot Preps Z F/R 5mm,10,Yf,Yr,Zp1,Zp2,Plf,Plr,,
 TSPX3,Two Spot Preps on X 3mm,10,Ypos,Zpos,Ang,Ha,,
 TSPX5,Two Spot Preps on X 5mm,10,Ypos,Zpos,Ang,Ha,,
 TSPY3,Two Spot Preps on Y 3mm,10,Y1,Y2,Zp,Ang,HA,,
 TSPY5,Two Spot Preps on Y 5mm,10,Y1,Y2,Zp,Ang,HA,,
 TSPZ3,Two Spot Preps on Z 3mm,10,Ypos,Zp1,Zp2,Ang,,
 TSPZ5,Two Spot Preps on Z 5mm,10,Ypos,Zp1,Zp2,Ang,,
 TestAx,Axis Test,1,,,,,,,,
 VA1S1PT4_SC,Vent AngT 1Slot 12.7mm,3,Ytop,Ybot,Zpos,L1,spd,PIT,PIB,Ang
 VA1S2PT2,Vent AngT 1Slot 2Pass 10mm,3,Ytop,Ybot,Zpos,L1,W,PIT,PIB,Ang
 VAF,V Front AutoFlow,2,Depth,,,,,,,,
 VAF3,V Front ZX3,2,Depth,,,,,,,,
 VAF3D,V Front ZX3 with VWDelay,2,Depth,,,,,,,,
 VAF3W,V Front Flow for Z,2,Depth,,,,,,,,
 VAF3WD,V Front Flow for Z w delay,2,Depth,,,,,,,,
 VAF3Z,V Front ZX3 for Z,2,Depth,,,,,,,,
 VAF3ZD,V Front ZX3 for Z,2,Depth,,,,,,,,
 VAF4,V Front ZX4,2,Depth,,,,,,,,
 VAFZ,V Front AutoFlow for Z,2,Depth,,,,,,,,
 VARLEN_SLOT_2PASS_Z,1 Slot 2 Pass on Z using 10mm,22,Yp,Zp,Ang,Pl,Hei,,
 VATPB112_PVRF,Vent 1 Slot 1 Pass 10mm,3,Ytop,Ybot,Zpos,L1,W,Plt,Plb,
 VCOMP,VComp Flowline,21,,,,,,,,
 VCOMP AF,VComp Autoflow,2,21,,,,,,,,
 VCOMP D,VComp Flowline w delay,21,,,,,,,,
 VCPZX3,V Comp ZX3,21,,,,,,,,
 VCZX4DS,V Comp ZX4 vs,21,,,,,,,,
 VCZX4vs,V Comp ZX4 vs,21,Spin,,,,,,,,
 VCZX4vso,V Comp ZX4 vso,21,Spin,,,,,,,,
 VD1S1P4Y,Vent DP 1Slot 1Pass 12.7mm RBW,3,Ytop,Ybot,Zpos,L1,W,Dir,PL,
 VD1S1PT2,Vent DP 1Slot 1Pass 10mm,3,Ytop,Ybot,Zpos,L1,W,Pl,,
 VD1S1PT4,Vent DP 1Slot 1Pass 12.7mm,3,Ytop,Ybot,Zpos,L1,W,Pl,,
 VD1S2P2Y,Vent DP 1Slot 2Pass 10mm RBW,3,Ytop,Ybot,Zpos,L1,W,Dir,PL,
 VD1S2P4Y,Vent DP 1Slot 2Pass 12.7mm RBW,3,Ytop,Ybot,Zpos,L1,W,Dir,PL,
 VD1S2PT2,Vent DP 1Slot 2Pass 10mm,3,Ytop,Ybot,Zpos,L1,W,Pl,,
 VD1S2PT4,Vent DP 1Slot 2Pass 12.7mm,3,Ytop,Ybot,Zpos,L1,W,Pl,,
 VD2S1PT2,Vent DP 2Slot 1Pass 10mm,3,Ytop,Ybot,Zpos,L1,W,S,Pl,
 VD2S1PT4,Vent DP 2Slot 1Pass 12.7mm,3,Ytop,Ybot,Zpos,L1,W,S,Pl,
 VD2S2P2Y,Vent DP 2Slot 2Pass 10mm RBW,3,Ytop,Ybot,Zpos,L1,L2,S,Wid,Dir
 VD2S2PT2,Vent DP 2Slot 2Pass 10mm,3,Ytop,Ybot,Zpos,L1,W,S,PL,
 VD3S1PT2,Vent DP 3Slot 1Pass 10mm,3,Ytop,Ybot,Zpos,L1,W,S,Pl,
 VD3S1PT4,Vent DP 3Slot 1Pass 12mm,3,Ytop,Ybot,Zpos,L1,W,S,Pl,
 VD3S2PT2,Vent DP 3Slot 2Pass 10mm,3,Ytop,Ybot,Zpos,L1,W,S,PL,
 VD3S2PT4,Vent DP 3Slot 2Pass 12.7mm,3,Ytop,Ybot,Zpos,L1,W,S,Pl,L2
 VD4S2PT2,Vent DP 4Slot 2Pass 10mm,3,Ytop,Ybot,Zpos,Lmid,Lend,Smid,Send,Wid
 VDP1S1PT2,Vent Head 1 Slot 1 Pass 10mm double,3,Ytop,Ybot,ZpS,ZpD,L1,W,Pl,
 VDP1S1PT2_SC,Vent Head 1 Slot 1 Pass 10PVC,3,Ytop,Ybot,ZpS,ZpD,L1,W,Pl,Spd
 VDP1S1PT4,Vent Head 1 Slot 1 Pass 12mm double,3,Ytop,Ybot,ZpS,ZpD,L1,W,Pl,
 VDP1S1PT4_PV,Vent Head 1 Slot 1 Pass 12PVC,3,Ytop,Ybot,ZpS,ZpD,L1,W,Pl,
 VDP1S1PT4_SC,Vent Head 1 Slot 1 Pass 12PVC,3,Ytop,Ybot,ZpS,ZpD,L1,W,Pl,Spd
 VDP1S2PT2,Vent Head 1 Slot 2 Pass 10mm double,3,Ytop,Ybot,ZpS,ZpD,L1,W,Pl,
 VDP1S2PT2S,Vent Head 1 Slot 2 Pass 10mm double,3,Ytop,Ybot,ZpS,ZpD,L1,W,Pl,SC
 VDP1S2PT4,Vent Head 1 Slot 2 Pass 12mm double,3,Ytop,Ybot,ZpS,ZpD,L1,W,Pl,
 VDP2S1PT2,Vent Head Deep 2 Slot 1 Pass 10mm,3,Ytop,Ybot,ZpS,ZpD,L1,W,S,Pl
 VDP2S1PT4,Vent Head Deep 2 Slot 1 Pass 12mm,3,Ytop,Ybot,ZpS,ZpD,L1,W,S,Pl
 VDP2S2PT2,Vent Head Deep 2 Slot 2 Pass 10mm,3,Ytop,Ybot,ZpS,ZpD,L1,W,S,Pl
 VDP2S2PT2S,Vent Head Deep 2 Slot 2 Pass 10mm,3,Ytop,Ybot,ZpS,ZpD,L1,W,S,SC
 VDP2S2PT4,Vent Head Deep 2 Slot 2 Pass 12mm,3,Ytop,Ybot,ZpS,ZpD,L1,W,S,Pl
 VF,V Notch Front,2,Dpth,,,,,,,,
 VFS,V Notch Front 10mm,2,Dpth,,,,,,,,
 VFW,V Notch Front Wide,2,Dpth,,,,,,,,
 VH1S1P2Y,Vent 1 Slot 1 Pass 10mm RBW,3,Ytop,Ybot,Zpos,L1,W,Dir,Pl,
 VH1S1P3Y,Vent 1 Slot 1 Pass 5mm RBW,3,Ytop,Ybot,Zpos,L1,W,Dir,Pl,
 VH1S1P4Y,Vent 1 Slot 1 Pass 12.7mm RBW,3,Ytop,Ybot,Zpos,L1,W,Dir,Pl,
 VH1S1PT2,Vent 1 Slot 1 Pass 10mm,3,Ytop,Ybot,Zpos,L1,W,Pl,,
 VH1S1PT2_PV,Vent 1 Slot 1 Pass 10PVC,3,Ytop,Ybot,Zpos,L1,W,Pl,,
 VH1S1PT3,Vent 1 Slot 1 Pass 5mm,3,Ytop,Ybot,Zpos,L1,W,Pl,,
 VH1S1PT4,Vent 1 Slot 1 Pass 12.5mm,3,Ytop,Ybot,Zpos,L1,W,Pl,,

VH1S1PT4_PV,Vent 1 Slot 1 Pass 12PVC,3,Ytop,Ybot,Zpos,L1,W,Pl,,
 VH1S2P2Y,Vent 1 Slot 2 Pass 10mm over Y Notch,3,Ytop,Ybot,Zpos,L1,W,Dir,Pl,
 VH1S2P3Y,Vent 1 Slot 2 Pass 5mm over Y Notch,3,Ytop,Ybot,Zpos,L1,W,Dir,Pl,
 VH1S2P4Y,Vent 1 Slot 2 Pass 12.5mm over Y Notch,3,Ytop,Ybot,Zpos,L1,W,Dir,Pl,
 VH1S2PT2,Vent 1 Slot 2 Pass 10mm,3,Ytop,Ybot,Zpos,L1,W,Pl,,
 VH1S2PT3,Vent 1 Slot 2 Pass 5mm,3,Ytop,Ybot,Zpos,L1,W,Pl,,
 VH1S2PT4,Vent 1 Slot 2 Pass 12.5mm,3,Ytop,Ybot,Zpos,L1,W,Pl,,
 VH2S1PT2,Vent 2 Slot 1 Pass 10mm,3,Ytop,Ybot,Zpos,L1,W,S,Pl,
 VH2S1PT3,Vent 2 Slot 1 Pass 5mm,3,Ytop,Ybot,Zpos,L1,W,S,Pl,
 VH2S1PT4,Vent 2 Slot 1 Pass 12.5mm,3,Ytop,Ybot,Zpos,L1,W,S,Pl,
 VH2S2P2Y,Vent 2 Slot 1 Pass 12.5mm,3,Ytop,Ybot,Zpos,L1,L2,S,Wid,Dir
 VH2S2PT2,Vent 2 Slot 2 Pass 10mm,3,Ytop,Ybot,Zpos,L1,W,S,Pl,
 VH2S2PT3,Vent 2 Slot 2 Pass 5mm,3,Ytop,Ybot,Zpos,L1,W,S,Pl,
 VH2S2PT4,Vent 2 Slot 2 Pass 12.5mm,3,Ytop,Ybot,Zpos,L1,W,S,Pl,
 VH3S1PT2,Vent Head 3 Slot 1 Pass 10mm,3,Ytop,Ybot,Zpos,L1,W,S,Pl,
 VH3S1PT3,Vent Head 3 Slot 1 Pass 5mm,3,Ytop,Ybot,Zpos,L1,W,S,Pl,
 VH3S1PT4,Vent Head 3 Slot 1 Pass 12.7mm,3,Ytop,Ybot,Zpos,L1,W,S,Pl,
 VH3S2PT2,Vent Head 3 Slot 2 Pass 10mm,3,Ytop,Ybot,Zpos,L1,W,S,Pl,
 VH3S2PT4,Vent Head 3 Slot 2 Pass 12.7mm,3,Ytop,Ybot,Zpos,L1,W,S,Pl,L2
 VH4S1PT2,Vent Head 4 Slot 1 Pass 10mm,3,Ytop,Ybot,Zpos,Lmid,Lend,Smid,Send,Wid
 VH4S1PT4,Vent Head 4 Slot 1 Pass 12.7mm,3,Ytop,Ybot,Zpos,Lmid,Lend,Smid,Send,Wid
 VH4S2PT2,Vent Head 4 Slot 2 Pass 10mm,3,Ytop,Ybot,Zpos,Lmid,Lend,Smid,Send,Wid
 VH4S2PT4,Vent Head 4 Slot 2 Pass 12.7mm,3,Ytop,Ybot,Zpos,Lmid,Lend,Smid,Send,Wid
 VMIC,V Notch Front (Microline),2,Depth,,,,,,,,,
 VPBT114_PVRF,Vent 1 Slot 1 Pass 12.5mm,3,Ytop,Ybot,Zpos,L1,W,Plt,Plb,
 VPLB112_PV,Vent 1 Slot 1 Pass 10PVC,3,Ytop,Ybot,Zpos,L1,W,Plt,Plb,
 VPLB114_PV,Vent 1 Slot 1 Pass 12PVC,3,Ytop,Ybot,Zpos,L1,W,Plt,Plb,
 VPLB122_PV,Vent 1 Slot 2 Pass 10PVC,3,Ytop,Ybot,Zpos,L1,W,Plt,Plb,
 VR,V Notch Rear,2,Dpth,,,,,,,,,
 VRS,V Notch Rear 10mm,2,Dpth,,,,,,,,,
 VRW,V Notch Rear (Wide),2,Dpth,,,,,,,,,
 VTEST,Vee Notch Test,2,,,,,,,,,
 VTESTAF,V Test Autoflow,2,1,,,,,,,,,
 VTESTD,Vee Notch Test w delay,2,,,,,,,,,
 VTZX3DS,V Test ZX3 vs,21,,,,,,,,,
 VTZX3vs,V Test ZX3 vs,21,Spin,,,,,,,,,
 VTZX3vso,V Test ZX3 vs OH,21,Spin,,,,,,,,,
 VTZX4DS,V Test ZX4 DS,21,,,,,,,,,
 VTZX4vs,V Test ZX4 vs,21,Spin,,,,,,,,,
 VTZX4vso,V Test ZX4 vs OH,21,Spin,,,,,,,,,
 VZX3,V Front ZX3,2,Depth,,,,,,,,,
 VZX3Z,V Front ZX3 for Z,2,Depth,,,,,,,,,
 VZX4,V Notch Front (ZX4),2,Depth,,,,,,,,,
 VZX5,V Notch Front (ZX4Mk6),2,Depth,,,,,,,,,
 WAF,V Rear AutoFlow,2,Depth,,,,,,,,,
 WAF3,V Rear ZX3,2,Depth,,,,,,,,,
 WAF3D,V Rear ZX3 w VWDelay,2,Depth,,,,,,,,,
 WAF3W,V Rear Flow for Z,2,Depth,,,,,,,,,
 WAF3WD,V Rear Flow for Z w VWDelay,2,Depth,,,,,,,,,
 WAF3Z,V Rear ZX3 for Z,2,Depth,,,,,,,,,
 WAF3ZD,V Rear ZX3 for Z,2,Depth,,,,,,,,,
 WAF4,V Rear ZX4,2,Depth,,,,,,,,,
 WAFZ,V Rear AutoFlow for Z,2,Depth,,,,,,,,,
 WZX3,V Rear ZX3,2,Depth,,,,,,,,,
 WZX3Z,V Rear ZX3 for Z,2,Depth,,,,,,,,,
 WZX4,V Notch Rear (ZX4),2,Depth,,,,,,,,,
 WZX5,V Notch Rear (ZX4Mk6),2,Depth,,,,,,,,,
 XCALIB60,Calib 6m Bed,1,,,,,,,,,
 YCALIB,Y Notch Calibration (Must Start at 500mm),2,,,,,,,,,
 YCALZX3,Y Calib ZX3,21,,,,,,,,,
 YCALZX4,Y Calib ZX4,21,,,,,,,,,
 YCZX3vs,Y Calib ZX3 vs,21,Spin,,,,,,,,,
 YCZX3vso,Y Calib ZX3 vs OH,21,Spin,,,,,,,,,
 YFL,Y Notch Front Left,21,Dpth,,,,,,,,,
 YFLDATUM,Y Notch Front Left Datum,21,,,,,,,,,
 YFLS,Y Notch Front Left 10mm,21,Dpth,,,,,,,,,
 YFLW,Y Notch Front Left (Wide),21,Dpth,,,,,,,,,
 YFR,Y Notch Front Right,21,Dpth,,,,,,,,,
 YFRDATUM,Y Notch Front Right Datum,21,,,,,,,,,
 YFRS,Y Notch Front Right 10mm,21,Dpth,,,,,,,,,
 YFRW,Y Notch Front Right (Wide),21,Dpth,,,,,,,,,
 YIAF,Y Notch Front Infeed Autoflow,21,Depth,,,,,,,,,
 YIAF3,Y Notch Front Infeed ZX3,21,Depth,,,,,,,,,
 YIAF3D,Y Front Infeed Delav ZX3.21.Denth.....

YIAF3W,Y Notch Front Infeed ZX3 Wide,21,Depth,,,,,,
 YIAF3WD,Y Front Infeed Delay ZX3 Wide,21,Depth,,,,,,
 YIAF4,Y Notch Front Infeed ZX4,21,Depth,,,,,,
 YIAF4S,Y Notch Front Infeed ZX4 YSaw,21,Depth,,,,,,
 YIZX3,Y Notch Front Left,21,Depth,,,,,,
 YIZX4,Y Notch Front Infeed Side,21,Depth,,,,,,
 YOAF,Y Notch Front Outfeed Autoflow,21,Depth,,,,,,
 YOAF3,Y Notch Front Outfeed ZX3,21,Depth,,,,,,
 YOAF3D,Y Front Outfeed Delay ZX3,21,Depth,,,,,,
 YOAF3W,Y Notch Front Outfeed ZX3 Wide,21,Depth,,,,,,
 YOAF3WD,Y Front Outfeed Delay ZX3 Wide,21,Depth,,,,,,
 YOAF4,Y Notch Front Outfeed ZX4,21,Depth,,,,,,
 YOAF4S,Y Notch Front Outfeed ZX4 YSaw,21,Depth,,,,,,
 YOZX3,Y Notch Front Right,21,Depth,,,,,,
 YOZX4,Y Notch Outfeed Side,21,Depth,,,,,,
 YRL,Y Notch Rear Left,21,Dpth,,,,,,
 YRLDATUM,Y Notch Rear Left Datum,21,,,,,,
 YRLS,Y Notch Rear Left 10mm,21,Dpth,,,,,,
 YRLW,Y Notch Rear Left (Wide),21,Dpth,,,,,,
 YRR,Y Notch Rear Right,21,Dpth,,,,,,
 YRRDATUM,Y Notch Rear Right Datum,21,,,,,,
 YRRS,Y Notch Rear Right 10mm,21,Dpth,,,,,,
 YRRW,Y Notch Rear Right (Wide),21,Dpth,,,,,,
 ZIAF,Y Notch Rear Infeed Autoflow,21,Depth,,,,,,
 ZIAF3,Y Notch Rear Infeed ZX3,21,Depth,,,,,,
 ZIAF3D,Y Rear Infeed Delay ZX3,21,Depth,,,,,,
 ZIAF3W,Y Notch Rear Infeed ZX3 Wide,21,Depth,,,,,,
 ZIAF3WD,Y Rear Infeed Delay ZX3 Wide,21,Depth,,,,,,
 ZIAF4,Y Notch Rear Infeed ZX4,21,Depth,,,,,,
 ZIAF4S,Y Notch Rear Infeed ZX4 YSaw,21,Depth,,,,,,
 ZIZX3,Y Notch Rear Left,21,Depth,,,,,,
 ZIZX4,Y Notch Rear Infeed Side,21,Depth,,,,,,
 ZOAF,Y Notch Rear Outfeed Autoflow,21,Depth,,,,,,
 ZOAF3,Y Notch Rear Outfeed ZX3,21,Depth,,,,,,
 ZOAF3D,Y Rear Outfeed Delay ZX3,21,Depth,,,,,,
 ZOAF3W,Y Notch Rear Outfeed ZX3 Wide,21,Depth,,,,,,
 ZOAF3WD,Y Rear Outfeed Delay ZX3 Wide,21,Depth,,,,,,
 ZOAF4,Y Notch Rear Outfeed ZX4,21,Depth,,,,,,
 ZOAF4S,Y Notch Rear Outfeed ZX4 YSaw,21,Depth,,,,,,
 ZOZX3,Y Notch Rear Right,21,Depth,,,,,,
 ZOZX4,Y Notch Rear Outfeed Side,21,Depth,,,,,,
 SQTsvso,Square Cut for O/H acc test,0,Off,Ypos,Zpos,Spd,sp,,
 HOLE,Hole in Side 10mm tool,22,yp,zp,r,ang,pl,,
 HOLET3,Hole Tool 3,22,Yp,Zp,Rad,Ang,Pl,,
 LFFBAL,Fab Fix Handle,5,Dir,Yp,Zp,,,,,
 LHOPPE,Hoppe Handle,5,Dir,Yp,Zp,,,,,
 LPAT2,Patio Handle 2,5,Dir,Yp,Zp,Ygr,Zgr,,
 LPATIM,Patio Lock- Imagine,5,Dir,Yhan,Zhan,Ygr,Zgr,,
 LVBFL,Veka BiFold Long Handle,5,Dir,Yhan,Zhan,,,,,
 LVBFLSP,Veka BiFold Long Handle,5,Dir,Yhan,Zhan,,,,,
 LVBFS,Veka BiFold Short Hande,5,Dir,Yhan,Zhan,,,,,
 LVBFSSP,Veka BiFold Short Hande,5,Dir,Yhan,Zhan,,,,,
 PATLPB,Patio L Plate Btm,22,Yp,Zp,Sh,Sl,Ang,Pl,,
 TDRILL23,Triple Drill 11/23/11,4,Ydrl,Zdrl,Ddth,Ang,,
 VD1R2PT2,Vent Head 1 Slot 2 Pass 10mm rev,3,Ytop,Ybot,Zpos,L1,W,Pl,,
 VDSC122,Vent Head 1 Slot 2 Pass 10mm double,3,Ytop,Ybot,Zpos,L1,W,Pl,Spd,
 VPLB122,Vent 1 Slot 2 Pass 10mm,3,Ytop,Ybot,Zpos,L1,W,Plt,Plb,
 VPLB122S,Vent 1 Slot 2 Pass 10mm,3,Ytop,Ybot,Zpos,L1,W,Plt,Plb,cs