

Manufacture	Description
LARGE CONNECTORS	
Manufacture	Description
Thru Tubing Technology	2.875" OD Coil Connector w/2-3/8" PAC Pin (1-3/4" Coil)
Thru Tubing Technology	2.875" OD Coil Connector w/2-3/8" PAC Pin (1-3/4" Coil)
Thru Tubing Technology	2.875" OD Coil Connector w/2-3/8" PAC Pin (1-3/4" Coil)
Thru Tubing Technology	2.875" OD Coil Connector w/2-3/8" PAC Pin (2" Coil)
Thru Tubing Technology	2.875" OD Coil Connector w/2-3/8" PAC Pin (2" Coil)
Thru Tubing Technology	2.875" OD Coil Connector w/2-3/8" PAC Pin (2" Coil)
Venturi Oil Tools	2.875" OD Coil Connector w/2-3/8" PAC Pin (2" Coil)
Coil Tubing Rental	2.875" OD Coil Connector w/2-3/8" PAC Pin (2" Coil)
Coil Tubing Rental	2.875" OD Coil Connector w/2-3/8" PAC Pin (2" Coil)
Coil Tubing Rental	2.875" OD Coil Connector w/2-3/8" PAC Pin (2" Coil)
Coil Tubing Rental	2.875" OD Coil Connector w/2-3/8" PAC Pin (2" Coil)
Coil Tubing Rental	2.875" OD Coil Connector w/2-3/8" PAC Pin (2" Coil)
Coil Tubing Rental	2.875" OD Coil Connector w/2-3/8" PAC Pin (2" Coil)
Coil Tubing Rental	2.875" OD Coil Connector w/2-3/8" PAC Pin (2" Coil)
Coil Tubing Rental	2.875" OD Coil Connector w/2-3/8" PAC Pin (2" Coil)
Coil Tubing Rental	2.875" OD Coil Connector w/2-3/8" PAC Pin (2" Coil)
Coil Tubing Rental	2.875" OD Coil Connector w/2-3/8" PAC Pin (2" Coil)
Coil Tubing Rental	2.875" OD Coil Connector w/2-3/8" PAC Pin (2" Coil)
Coil Tubing Rental	2.875" OD Coil Connector w/2-3/8" PAC Pin (1-3/4" Coil)
Hunter Downhole Tools	2.375 COIL CONNECTOR
Coil Tubing Rental	3.125" OD Coil Connector w/ 2-3/8" Reg Pin (2" Coil)
Coil Tubing Rental	2.875" OD Coil Connector w/2-3/8" PAC Pin (1-3/4" Coil)
Coil Tubing Rental	2.875" OD Coil Connector w/2-3/8" PAC Pin (1-3/4" Coil)
LCM	3.125" OD Coil Connector w/ 2-3/8" Reg Pin (f/ 2-3/8" Coil)
LCM	3.125" OD Coil Connector w/ 2-3/8" Reg Pin (f/ 2-3/8" Coil)
LCM	3.125" OD Coil Connector w/ 2-3/8" Reg Pin (f/ 2-3/8" Coil)
LCM	3.375" OD Coil Connector w/ 2-3/8" Reg Pin (f/ 2-5/8" Coil)
LCM	3.375" OD Coil Connector w/ 2-3/8" Reg Pin (f/ 2-5/8" Coil)
LCM	3.375" OD Coil Connector w/ 2-3/8" Reg Pin (f/ 2-5/8" Coil)
Coil Tubing Rental	3.125" OD Coil Connector w/ 2-3/8" Reg Pin (2" Coil)
Venturi Oil Tools	3.50" OD Coil Connector w/ 2 3/8" PAC Pin (2-3/8" Coil)
LCM	3.125" OD Coil Connector w/ 2-3/8" Reg Pin (f/ 2-3/8" Coil)
VOT	3.50" OD Coil Tubing Connector w/ 2-3/8" Reg Pin (2-3/8" Coil)
VOT	3.50" OD Coil Tubing Connector w/ 2-3/8" Reg Pin (2-3/8" Coil)
Coil Tubing Rental	2.875" OD Coil Connector w/2-3/8" PAC Pin (2" Coil)
Coil Tubing Rental	2.875" OD Coil Connector w/2-3/8" PAC Pin (2" Coil)
Coil Tubing Rental	3.125" OD Coil Connector w/ 2-3/8" Regular Pin (2" Coil)
Coil Tubing Rental	3.125" OD Coil Connector w/ 2-3/8" Reg Pin (2" Coil)
Coil Tubing Rental	3.125" OD Coil Connector w/ 2-3/8" Reg Pin (2" Coil)

Manufacture	Description
Coil Tubing Rental	3.125" OD Coil Connector w/ 2-3/8" Reg Pin (2" Coil)
VOT	3.125" OD Coil Connector w/ 2-3/8" Regular Pin (2" Coil)
Coil Tubing Rental	2.875" OD Coil Connector w/2-3/8" PAC Pin (2" Coil)
VOT	3.125" OD Slip Type Coil Connector w/ 2-3/8" REG Pin (2" Coil)
VOT	3.125" OD Coil Connector w/ 2-3/8" Reg Pin (2" Coil)
VOT	3.125" OD Coil Connector w/ 2-3/8" Regular Pin (2" Coil)
VOT	3.125" OD Slip Type Coil Connector w/ 2-3/8" REG Pin (2" Coil)
VOT	3.50" OD Slip Type Coil Connector w/ 2-3/8" REG Pin (2-3/8" Coil)
Venturi Oil Tools	3.50" OD Coil Connector w/ 2-3/8" PAC Pin (2-3/8" Coil)
Venturi Oil Tools	3.50" OD Coil Connector w/ 2-3/8" PAC Pin (2-3/8" Coil)
Coil Tubing Rental	2.875" OD Coil Connector w/2-3/8" PAC Pin (2" Coil)
Venturi Oil Tools	2.875" OD Coil Connector w/2-3/8" PAC Pin (2" Coil)
VOT	3.50" OD Coil Connector w/ 2-3/8" Reg Pin (2-3/8" Coil)
VOT	3.50" OD Coil Connector w/ 2-3/8" Reg Pin (2-3/8" Coil)
VOT	3.125" OD Slip Type Coil Connector w/ 2-3/8" REG Pin (2" Coil)
VOT	3.125" OD Coil Connector w/ 2-3/8" Reg Pin (2" Coil)
Venturi Oil Tools	3.50" OD Coil Connector w/ 2 3/8" PAC Pin (2-3/8" Coil)
Venturi Oil Tools	3.50" OD Coil Connector w/ 2 3/8" PAC Pin (2-3/8" Coil)
Venturi Oil Tools	2.875" OD Coil Connector w/2-3/8" PAC Pin (2" Coil)
Venturi Oil Tools	2.875" OD Coil Connector w/2-3/8" PAC Pin (2" Coil)
Venturi Oil Tools	2-7/8" OD Coil Connector f/1-1/2" Coil w/ 2-3/8" Pac Pin
Coil Tubing Rental	2.875" OD Coil Connector w /2-3/8" PAC Pin (1-3/4" Coil)
Venturi Oil Tools	2.875" OD Coil Connector w/ 2-3/8" PAC Pin (1-3/4" Coil)
Thru Tubing Technology	2.875" OD Coil Connector w/ 2-3/8" PAC Pin (2" Coil)
Thru Tubing Technology	2.875" OD Coil Connector w/ 2-3/8" PAC Pin (2" Coil)
Venturi Oil Tools	2-7/8" OD Coil Connector f/1-1/2" Coil w/ 2-3/8" Pac Pin

LARGE DFV, FLOATS, DCS

Manufacture	Description
VOT	3.50" OD Dual Back Pressure Valve w/ 2-3/8" Reg Box x Pin
VOT	3.50" OD Dual Back Pressure Valve w/ 2-3/8" Reg Box x Pin
HMA	Double Bore Float Sub f/ Dart Valve w/ 2-3/8" PAC Box x Pin
Fairmont Tool	3-7/16" OD Float Sub w/ 2-7/8" PH6 Box x 2-3/8" REG Pin
Fairmont Tool	Float Sub w/ 2-7/8" PH6 Box x 2-7/8" PH6 Pin
HMA	Double Bore Float Sub f/ Dart Valve w/ 2-3/8" PAC Box x Pin
HMA	Double Bore Float Sub f/ Dart Valve w/ 2-3/8" PAC Box x Pin
HMA	Double Bore Float Sub f/ Dart Valve w/ 2-3/8" PAC Box x Pin
HMA	2.875" OD Double Bore Float Sub w/ 2-3/8" PAC Box x Pin
Blow Out Tools	3.88"OD Ball Poppet Check Valve /2 7/8"AOH Box x Pin
Blow Out Tools	3.88"OD Ball Poppet Check Valve /2 7/8"AOH Box x Pin
Venturi Oil Tools	3.50" OD Dual Back Pressure Valve w/ 2-3/8" PAC Box x Pin
CTR	3.125" OD Dual Flapper Check Valve w / 2-3/8" Reg Box x Pin

Manufacture	Description
CTR	3.125" OD Dual Flapper Check Valve w/ 2-3/8" Reg Box x Pin
LCM	3.125" OD Dual Flapper Valve w/ 2-3/8" Reg Box x Pin
LCM	3.125" OD Dual Flapper Valve w/ 2-3/8" Reg Box x Pin
Coil Tubing Rental Tools	3.125" OD Dual Back Pressure Valve w/ 2-3/8" REG Box x Pin
Coil Tubing Rental Tools	3.125" OD Dual Back Pressure Valve w/ 2-3/8" REG Box x Pin
VOT	2.875" OD Dual Back Pressure Valve w/2-3/8" PAC Box x Pin
Thru Tubing Technology	2.875" OD Dual Back Pressure Valve w/2-3/8" PAC Box x Pin
Coil Tubing Rental Tools	2.875" OD Dual Back Pressure Valve w/ 2-3/8" PAC Box x Pin
NOV	2.875" OD Dual Back Pressure Valve w/ 2-3/8" PAC Box x Pin
Hunter Oil Tools	2.875" OD Dual Back Pressure Valve w/ 2-3/8" PAC Box x Pin
Hunter Oil Tools	2.875" OD Dual Back Pressure Valve w/ 2-3/8" PAC Box x Pin
Hunter Oil Tools	2.875" OD Dual Back Pressure Valve w/ 2-3/8" PAC Box x Pin
Hunter Oil Tools	3.125" OD Dual Back Pressure Valve w/ 2-3/8" REG Box x Pin
Hunter Oil Tools	3.125" OD Dual Back Pressure Valve w/ 2-3/8" REG Box x Pin
Coil Tubing Rental Tools	2.875" OD Dual Back Pressure Valve w/ 2-3/8" PAC Box x Pin
Hunter Oil Tools	2.875" OD Dual Back Pressure Valve w/ 2-3/8" PAC Box x Pin
Hunter Oil Tools	2.875" OD Dual Back Pressure Valve w/ 2-3/8" PAC Box x Pin
Hunter Oil Tools	2.875" OD Dual Back Pressure Valve w/ 2-3/8" PAC Box x Pin
Hunter Oil Tools	2.875" OD Dual Back Pressure Valve w/ 2-3/8" PAC Box x Pin
Hunter Oil Tools	2.875" OD Dual Back Pressure Valve w/ 2-3/8" PAC Box x Pin
Thru Tubing Technology	2.875" OD Dual Back Pressure Valve w/2-3/8" PAC Box x Pin
Thru Tubing Technology	2.875" OD Dual Back Pressure Valve w/2-3/8" PAC Box x Pin
Thru Tubing Technology	2.875" OD Dual Back Pressure Valve w/2-3/8" PAC Box x Pin
Venturi Oil Tools	2.875" OD Dual Back Pressure Valve w/2-3/8" PAC Box x Pin
Venturi Oil Tools	2.875" OD Dual Back Pressure Valve w/2-3/8" PAC Box x Pin
Venturi Oil Tools	2.875" OD Dual Back Pressure Valve w/2-3/8" PAC Box x Pin
Venturi Oil Tools	2.875" OD Dual Back Pressure Valve w/2-3/8" PAC Box x Pin
Venturi Oil Tools	2.875" OD Dual Back Pressure Valve w/2-3/8" PAC Box x Pin
Venturi Oil Tools	2.875" OD Dual Back Pressure Valve w/2-3/8" PAC Box x Pin
Venturi Oil Tools	2.875" OD Dual Back Pressure Valve w/2-3/8" PAC Box x Pin
Venturi Oil Tools	2.875" OD Dual Back Pressure Valve w/2-3/8" PAC Box x Pin
Venturi Oil Tools	2.875" OD Dual Back Pressure Valve w/2-3/8" PAC Box x Pin
Venturi Oil Tools	2.875" OD Dual Back Pressure Valve w/2-3/8" PAC Box x Pin
Venturi Oil Tools	2.875" OD Dual Back Pressure Valve w/2-3/8" PAC Box x Pin
Venturi Oil Tools	2.875" OD Dual Back Pressure Valve w/2-3/8" PAC Box x Pin
Fairmont Tool	3-3/8" OD 2 Piece Float Sub w/ 2-7/8" PH6 Box x Pin
Fairmont Tool	3-3/8" OD 2 Piece Float Sub w/ 2-7/8" PH6 Box x Pin
NST	3-3/8" 2 Piece Float Sub w/ 2-7/8" PH6 Box x Pin
Venturi Oil Tools	2.875" OD Dual Back Pressure Valve w/2-3/8" PAC Box x Pin
Thru Tubing Technology	2.875" OD Dual Circulating Sub w/2-3/8" Pac Box x Pin
Thru Tubing Technology	2.875" OD Dual Circulating Sub w/2-3/8" Pac Box x Pin
Thru Tubing Technology	2.875" OD Dual Circulating Sub w/2-3/8" Pac Box x Pin
VOT	3.50" OD Dual Circulating Sub w/ 2-3/8" Reg Box x Pin
VOT	3.50" OD Dual Circulating Sub w/ 2-3/8" Reg Box x Pin

Manufacture	Description
VOT	3.125" OD Dual Circulating Sub w/ 2-3/8" Reg Box x Pin
VOT	2.875" OD Dual Circulating Sub w/2-3/8" Pac Box x Pin
Venturi Oil Tools	2.875" OD Dual Circulating Sub w/2-3/8" Pac Box x Pin
Venturi Oil Tools	2.875" OD Dual Circulating Sub w/2-3/8" Pac Box x Pin
Venturi Oil Tools	2.875" OD Dual Circulating Sub w/2-3/8" Pac Box x Pin
Venturi Oil Tools	2.875" OD Dual Circulating Sub w/2-3/8" Pac Box x Pin
Hunter Oil Tools	3.125" OD Dual Circulating Sub w/ 2-3/8" Reg Box x Pin
Hunter Oil Tools	3.125" OD Dual Circulating Sub w/ 2-3/8" Reg Box x Pin
Hunter Oil Tools	3.125" OD Dual Circulating Sub w/ 2-3/8" Reg Box x Pin
Hunter Oil Tools	3.125" OD Dual Circulating Sub w/ 2-3/8" Reg Box x Pin
Hunter Oil Tools	3.125" OD Dual Circulating Sub w/ 2-3/8" Reg Box x Pin
Hunter Oil Tools	3.125" OD Dual Circulating Sub w/ 2-3/8" Reg Box x Pin
Owen	2.875" OD Torque Thru Knuckle Joint w/2-3/8" PAC Box x Pin
Precision Machine	2-7/8" OD Choke Sub w/ 2-3/8" PAC Box x Pin
Precision Machine	2-7/8" OD Choke Sub w/ 2-3/8" PAC Box x Pin

LARGE DISCONNECTS

Manufacture	Description
Thru Tubing Technology	2.875" OD Hydraulic Disconnect w/2-3/8" PAC Box x Pin
Thru Tubing Technology	2.875" OD FDL Hydraulic Disconnect w/2-3/8" PAC Box x Pin
Thru Tubing Technology	2.875" OD FDL Hydraulic Disconnect w/2-3/8" PAC Box x Pin
Venturi Oil Tools	2.875" OD Hydraulic Disconnect w/2-3/8" PAC Box x Pin
Venturi Oil Tools	2.875" OD TJ Hydraulic Disconnect w/2-3/8" PAC Box x Pin
Venturi Oil Tools	2.875" OD TJ Hydraulic Disconnect w/2-3/8" PAC Box x Pin
Venturi Oil Tools	2.875" OD TJ Hydraulic Disconnect w/2-3/8" PAC Box x Pin
Venturi Oil Tools	2.875" OD TJ Hydraulic Disconnect w/2-3/8" PAC Box x Pin
Venturi Oil Tools	2.875" OD TJ Hydraulic Disconnect w/2-3/8" PAC Box x Pin
Venturi Oil Tools	3.50" OD Hydraulic Disconnect w/ 2-3/8" Reg Box x Pin
Venturi Oil Tools	3.50" OD Hydraulic Disconnect w/ 2-3/8" Reg Box x Pin
Venturi Oil Tools	2.875" OD TJ Hydraulic Disconnect w/2-3/8" PAC Box x Pin
Venturi Oil Tools	2.875" OD TJ Hydraulic Disconnect w/2-3/8" PAC Box x Pin
Venturi Oil Tools	2.875" OD TJ Hydraulic Disconnect w/2-3/8" PAC Box x Pin
CTR	2.87" OD HD4 Hydraulic Disconnect w/ 2-3/8" PAC Box x Pin
CTR	2.87" OD HD4 Hydraulic Disconnect w/ 2-3/8" PAC Box x Pin
Venturi Oil Tools	2.875" OD Hydraulic Disconnect w/2-3/8" PAC Box x Pin
Venturi Oil Tools	2.875" OD Hydraulic Disconnect w/2-3/8" PAC Box x Pin
Venturi Oil Tools	2.875" OD Hydraulic Disconnect w/2-3/8" PAC Box x Pin
Venturi Oil Tools	2.875" OD Hydraulic Disconnect w/2-3/8" PAC Box x Pin
Venturi Oil Tools	3.125" OD Hydraulic Disconnect w/ 2-3/8" Reg Box x Pin
Venturi Oil Tools	3.125" OD Hydraulic Disconnect w/ 2-3/8" Reg Box x Pin
Venturi Oil Tools	3.125" OD Hydraulic Disconnect w/ 2-3/8" Reg Box x Pin
Venturi Oil Tools	3.125" OD Hydraulic Disconnect w/ 2-3/8" Reg Box x Pin
Venturi Oil Tools	2.875" OD Hydraulic Disconnect w/2-3/8" PAC Box x Pin
Venturi Oil Tools	2.875" OD Hydraulic Disconnect w/2-3/8" PAC Box x Pin
Venturi Oil Tools	2.875" OD Hydraulic Disconnect w/2-3/8" PAC Box x Pin

Manufacture	Description
LARGE CROSSOVER SUBS	
Manufacture	Description
NW Machine	Crossover Sub - 2-7/8" AOH Box x 2-3/8" PH-6 Pin
NW Machine	Crossover Sub - 2-7/8" AOH Box x 2-3/8" PH-6 Pin
NW Machine	Crossover Sub - 2-7/8" AOH Box x 2-3/8" PH-6 Pin
NW Machine	Crossover Sub - 2-7/8" AOH Box x 2-3/8" PH-6 Pin
NW Machine	Crossover Sub - 2-7/8" AOH Box x 2-3/8" PH-6 Pin
NW Machine	Crossover Sub - 2-7/8" AOH Box x 2-3/8" PH-6 Pin
NW Machine	Crossover Sub - 2-7/8" AOH Box x 2-3/8" PH-6 Pin
NW Machine	Crossover Sub - 2-7/8" AOH Box x 2-3/8" PH-6 Pin
NW Machine	Crossover Sub - 2-7/8" AOH Box x 2-3/8" PH-6 Pin
NW Machine	Crossover Sub - 2-7/8" AOH Box x 2-3/8" PH-6 Pin
NW Machine	Crossover Sub - 2-7/8" AOH Box x 2-3/8" PH-6 Pin
NW Machine	Crossover Sub - 2-7/8" AOH Box x 2-3/8" PH-6 Pin
NW Machine	Crossover Sub - 2-7/8" AOH Box x 2-3/8" PH-6 Pin
NW Machine	Crossover Sub - 2-7/8" AOH Box x 2-3/8" PH-6 Pin
NW Machine	Crossover Sub - 2-7/8" AOH Box x 2-3/8" PH-6 Pin
NW Machine	Crossover Sub - 2-7/8" AOH Box x 2-3/8" PH-6 Pin
NorthWest Machine Shop	Crossover Sub - 2-7/8" PH6 Box x 2-3/8" PH-6 Pin 18"
NorthWest Machine Shop	Crossover Sub - 2-7/8" EUE 8Rnd Box x 2-3/8" PH-6 Pin 18"
NorthWest Machine Shop	Crossover Sub - 2-7/8" EUE 8Rnd Box x 2-3/8" PH-6 Pin 18"
NorthWest Machine Shop	Crossover Sub - 2-7/8" EUE 8Rnd Box x 2-3/8" PH-6 Pin 18"
NorthWest Machine Shop	Crossover Sub - 2-7/8" EUE 8Rnd Box x 2-3/8" PH-6 Pin 18"
Shop NW	Crossover Sub - 2-7/8" EUE 8Rnd Box x 2-3/8" PH-6 Pin
Shop NW	Crossover Sub - 2-7/8" EUE 8Rnd Box x 2-3/8" PH-6 Pin
Shop NW	Crossover Sub - 2-7/8" EUE 8Rnd Box x 2-3/8" PH-6 Pin
Shop NW	Crossover Sub - 2-7/8" EUE 8Rnd Box x 2-3/8" PH-6 Pin
Northwest Machine Shop	Crossover Sub -2-7/8" EUE 8Rnd Box x 2-3/8" PH-6 Pin
Northwest Machine Shop	Crossover Sub -2-7/8" EUE 8Rnd Box x 2-3/8" PH-6 Pin
NorthWest Machine Shop	Crossover Sub -2-7/8" EUE 8Rnd Box x 2-3/8" PH-6 Pin
Northwest Machine Shop	Crossover Sub -2-3/8" PAC Box x 2-3/8" Reg Pin 12" Long
Northwest Machine Shop	Crossover Sub -2-7/8" Reg Box x 2-3/8" Pac Pin
Northwest Machine Shop	Crossover Sub - 2-3/8" PH-6 Box x 2-3/8" Pac Pin
	Crossover Sub - 2-3/8" PH-6 Box x 2-3/8" Pac Pin
Halford Milling Tools	Crossover Sub - 2-7/8" Reg Box x 2-7/8" 8Rnd Box
Halford Milling Tools	Crossover Sub - 2-3/8 PAC Box x 2-7/8" 8 Rnd Box
Louisiana Cajun Machine	Crossover Sub - 2-7/8" PH6 Box x 2-3/8" PAC Pin
NorthWest Machine Shop	Crossover Sub - 2-3/8" EUE 8Rnd Box x 2-3/8" PAC Pin
NorthWest Machine Shop	Crossover Sub - 2-3/8" EUE 8Rnd Box x 2-3/8" PAC Pin
NorthWest Machine Shop	Crossover Sub - 2-7/8" PH-6 Box x 2-3/8" PH-6 Pin 18"
NorthWest Machine Shop	Crossover Sub - 2-3/8" PH-6 Box x 2-3/8" Pac Pin 18"

Manufacture	Description
NorthWest Machine Shop	Crossover Sub - 2-7/8" PH-6 Box x 2-3/8" PH-6 Pin 18"
NorthWest Machine Shop	Crossover Sub - 2-3/8" Pac Box x 2-3/8" Reg Pin
NorthWest Machine Shop	Crossover Sub - 2-3/8" Pac Box x 2-3/8" PH6 Pin
NorthWest Machine Shop	Crossover Sub - 2 3/8" PH-6 Box x 2 3/8" PAC Box
NorthWest Machine Shop	Crossover Sub - 2 3/8" PH-6 Box x 2 3/8" PAC Box
Hard Metal Advantage	Crossover Sub - 2-3/8" PAC Box x 2-3/8" PH-6
NW Machine	Crossover Sub - 2-3/8" Pac Box x 2-3/8" PH-6 Pin
NW Machine	Crossover Sub - 2-3/8" Pac Box x 2-3/8" PH-6 Pin
NW Machine	Crossover Sub - 2-3/8" Pac Box x 2-3/8" PH-6 Pin
NW Machine	Crossover Sub - 2-3/8" PH-6 Box x 2-3/8" PAC pin
NW Machine	Crossover Sub - 2-3/8" PH-6 Box x 2-3/8" PAC Pin
NW Machine	Crossover Sub - 2-3/8" PH-6 Box x 2-3/8" PAC Pin
NW Machine	Crossover Sub - 2-3/8" PH-6 Box x 2-3/8" PAC Pin
NW Machine	Crossover Sub - 2-3/8" PH-6 Box x 2-3/8" PAC Pin
NW Machine	Crossover Sub - 2-3/8" PH-6 Box x 2-3/8" PAC Pin
N. W. Machine	Crossover Sub - 2-3/8" PH-6 Box x 2 3/8" PAC Pin
N. W. Machine	Crossover Sub - 2-3/8" PH-6 Box x 2 3/8" PAC Pin
N. W. Machine	Crossover Sub - 2-3/8" PH-6 Box x 2 3/8" PAC Pin
N. W. Machine	Crossover Sub - 2-3/8" PH-6 Box x 2 3/8" PAC Pin
N. W. Machine	Crossover Sub - 2-3/8" PH-6 Box x 2 3/8" PAC Pin
N. W. Machine	Crossover Sub - 2-3/8" PH-6 Box x 2 3/8" PAC Pin
NorthWest Machine Shop	Crossover Sub - 2-3/8" PH-6 x 2 3/8" Pac Pin 18" long

NIPPLES/RUPTURE DISC

Manufacture	Description
	2-7/8" AOH 1.875 NIPPLES
	2-7/8" AOH 1.875 NIPPLES
	2-7/8" AOH 1.875 NIPPLES
	2-7/8" AOH 1.875 NIPPLES
	2-7/8" AOH 1.875 NIPPLES
	2-7/8" AOH 1.875 NIPPLES
	2-7/8 PH6 1.875 NIPPLES
	2-7/8 PH6 1.875 NIPPLES
	2-7/8 PH6 1.875 NIPPLES
	2-7/8" 8RD 2.313 NIPPLES
	2-7/8" 8RD 2.313 NIPPLES
	2-7/8" 8RD 2.313 NIPPLES
	2-7/8" 8RD 2.313 NIPPLES
	2-7/8" 8RD 2.313 NIPPLES
	2-7/8" 8RD 2.125 NIPPLES
	2-7/8" 8RD 2.125 NIPPLES
	2-3/8" PH6 1.56 NIPPLES

Manufacture	Description
	2-3/8" PH6 1.56 NIPPLES
	2-3/8" PH6 1.56 NIPPLES
	2-3/8" PH6 1.56 NIPPLES
	2-3/8" PH6 1.56 NIPPLES
	2-3/8" PH6 1.56 NIPPLES
	2-3/8" PH6 1.65 NIPPLES
	2-3/8" PH6 1.65 NIPPLES
	2-3/8" PH6 1.65 NIPPLES
	2-3/8" PH6 1.65 NIPPLES
	2-3/8" PH6 1.65 NIPPLES
	2-3/8" PH6 1.525 NO GO NIPPLES
	2-3/8" PH6 1.525 NO GO NIPPLES
	2-3/8" PH6 1.525 NO GO NIPPLES
	2-3/8" PH6 1.71 NIPPLES
	2-3/8" PH6 1.71 NIPPLES
	2-3/8" PH6 1.625 NIPPLES
	2-3/8" PH6 1.625 NIPPLES
	2-3/8" PH6 1.625 NIPPLES
	2-3/8" PH6 1.625 NIPPLES
	2-3/8" PH6 1.625 NIPPLES
	MAGNUM 2-7/8" 8RD RUPTURE DISC SUB
	MAGNUM 2-7/8" 8RD RUPTURE DISC SUB
	MAGNUM 2-7/8" 8RD RUPTURE DISC SUB

SHIFTING TOOLS

Manufacture	Description
NOV	1.875" OD Hydraulic Single Selective Shifting Tool w/1" MT Box x Box
NOV	1.875" OD Hydraulic Single Selective Shifting Tool w/1" MT Box x Box
NOV-PCE	1.85" OD Hydraulic Double Ended Selective Shifting Tool w/ 1" MT Box x Box
NOV-PCE	1.85" OD Hydraulic Double Ended Selective Shifting Tool w/ 1" MT Box x Box
NOV	2.312" OD Hydraulic Double Ended Selective Shifting Tool w/ 1" MT Box x Box
NOV	2.312" OD Hydraulic Double Ended Selective Shifting Tool w/ 1" MT Box x Box
NOV	2.312" OD Hydraulic Double Ended Selective Shifting Tool (Modified)
NOV	2.312" OD Hydraulic Double Ended Selective Shifting Tool w/ 1" MT Box x Box
NOV	2.812" OD Hydraulic Double Ended Selective Shifting Tool w/ 1-1/2"MT Box x Box
NOV	2.812" OD Hydraulic Double Ended Selective Shifting Tool w/ 1-1/2"MT Box x Box
NOV	2.812" OD Hydraulic Double Ended Selective Shifting Tool w/ 1-1/2"MT Box x Box
NOV	2.812" OD Hydraulic Double Ended Selective Shifting Tool w/ 1-1/2"MT Box x Box
NOV	2.812" OD Hydraulic Double Ended Selective Shifting Tool w/ 1-1/2"MT Box x Box
NOV	2.812" OD Hydraulic Double Ended Selective Shifting Tool w/ 1-1/2"MT Box x Box
Service Machine	1.875" Mechanical B Shifting Tool w/ 5/8" SR Pin x Pin
Frederick's Machine	Mech. B Shifting Tool w/5/8" SRP Conn
Frederick's Machine	Mech. B Shifting Tool w/5/8" SRP Conn
Frederick's Machine	2.313" Mechanical B-Shifting Tool w/ 5/8" SR Pin x Pin

Manufacture	Description
Frederick's Machine	2.813" Mechanical B Shifting Tool 3/4" SR Pin x Pin
Frederick's Machine	2.73 Mech B" Shifting Tool f/2.81" w/ 3/4 SRP x P
Frederick's Machine	2.313" Mechanical B-Shifting Tool w/ 5/8" SR Pin x Pin
Frederick's Machine	2.313" Mechanical B-Shifting Tool w/ 5/8" SR Pin x Pin
Frederick's Machine	2.313" Mechanical B-Shifting Tool w/ 5/8" SR Pin x Pin
Frederick's Machine	1.875" Mechanical B Shifting Tool w/ 5/8" SR Pin x Pin
TIC	1.75" Mechanical "B" Shifting Tool w/ 5/8" SR Pin x Pin

COIL CONNECTORS

Manufacture	Description
Thru Tubing Technology	1.69" OD Coil Connector w/ 1" MT Pin (1-1/4" Coil)
Thru Tubing Technology	1.69" OD Coil Connector w/ 1" MT Pin (1-1/4" Coil)
Thru Tubing Technology	2.125" OD Coil Connector w/ 1-1/2" MT Pin (1-1/4" Coil)
Thru Tubing Technology	2.125" OD Coil Connector w/ 1-1/2" MT Pin (1-1/4" Coil)
Thru Tubing Technology	1.75" OD Coil Connector w/ 1" MT Pin (1-1/4" Coil)
Thru Tubing Technology	2.125" OD Coil Connector w/ 1-1/2" MT Pin (1-1/2" Coil)
Coil Tubing Rental	2.188" OD Coil Connector w/ 1-1/2" MT Pin (1-3/4" Coil)
Coil Tubing Rental	2.188" OD Coil Connector w/ 1-1/2" MT Pin (1-3/4" Coil)
Coil Tubing Rental	2.188" OD Coil Connector w/ 1-1/4" CS Pin (1-3/4" Coil)
Coil Tubing Rental	2.188" OD Coil Connector w/ 1-1/4" CS Pin (1-3/4" Coil)
Coil Tubing Rental	2.188" OD Coil Connector w/ 1-1/4" CS Pin (1-3/4" Coil)
Coil Tubing Rental	2.188" OD Coil Connector w/ 1-1/4" CS Pin (1-3/4" Coil)
Coil Tubing Rental	2.188" OD Coil Connector w/ 1-1/4" CS Pin (1-3/4" Coil)
Coil Tubing Rental	2.188" OD Coil Connector w/ 1-1/2" MT Pin (1-3/4" Coil)
Coil Tubing Rental	2.188" OD Coil Connector w/ 1-1/2" MT Pin (1-1/2" Coil)
Coil Tubing Rental	2.188" OD Coil Connector w/ 1-1/2" MT Pin (1-1/2" Coil)
Coil Tubing Rental	2.188" OD Coil Connector w/ 1-1/4" CS Pin (1-3/4" Coil)
Coil Tubing Rental	2.125" OD Coil Connector w/ 1-1/4" CS Pin (1-1/2" Coil)
Coil Tubing Rental	2.125" OD Coil Connector w/ 1-1/4" CS Pin (1-1/2" Coil)
Coil Tubing Rental	2.125" OD Coil Connector w/ 1-1/4" CS Pin (1-1/2" Coil)
Coil Tubing Rental	1.93" OD Coil Connector w/ 1" MT (1-1/2" Coil)
Coil Tubing Rental	2.125" OD Coil Connector w/ 1-1/4" CS Pin (1-1/2" Coil)
Coil Tubing Rental	2.125" OD Coil Connector w/ 1-1/4" CS Pin (1-1/2" Coil)
Coil Tubing Rental	1.93" OD Coil Connector w/ 1-1/2" MT Pin (1-1/4" Coil)
Coil Tubing Rental	2.125" OD Coil Connector w/ 1-1/2" MT Pin (1-1/2" Coil)
Coil Tubing Rental	2.125" OD Coil Connector w/ 1-1/2" MT Pin (1-1/2" Coil)
Coil Tubing Rental	1.93" OD Slim Line Coil Connector w/ 1" MT Pin (1-1/2" Coil)
Coil Tubing Rental	2.125" OD Coil Connector w/ 1-1/2" MT Pin (1-1/4" Coil)
Thru Tubing Technology	2.125" OD Coil Connector w/ 1-1/2" MT Pin (1-1/4" Coil)
Thru Tubing Technology	2.125" OD Coil Connector w/ 1-1/2" MT Pin (1-1/4" Coil)
Coil Tubing Rental	2.125" OD Coil Connector w/ 1-1/4" CS Pin (1-1/2" Coil)
Coil Tubing Rental	2.125" OD Coil Connector w/ 1-1/4" CS Pin (1-1/2" Coil)

Manufacture	Description
Coil Tubing Rental	1.93" OD Coil Connector w/ 1" CS Pin (1-1/2"Coil)
Coil Tubing Rental	1.93" OD Coil Connector w/ 1" CS Pin f/1-1/2" Coil
Coil Tubing Rental	2.125" OD Coil Connector w/ 1-1/2" MT Pin (1-1/2" Coil)
Coil Tubing Rental	2.125" OD Coil Connector w/1-1/4" CS Pin (1-1/2" Coil)
Coil Tubing Rental	2.125" OD Coil Connector w/1-1/4" CS Pin (1-1/2" Coil)
Coil Tubing Rental	2.125" OD Coil Connector w/1-1/2" MT Pin (1-1/4" Coil)
Coil Tubing Rental	1.93" OD Coil Connector w/ 1-1/4" CS Pin (1-1/2" Coil)
Coil Tubing Rental	1.93" OD Coil Connector w/1-1/4" CS Pin (1-1/2"Coil)
Coil Tubing Rental	1.93" OD Coil Connector w/1-1/4" CS Pin (1-1/2"Coil)
Coil Tubing Rental	1.93" OD Coil Connector w/1-1/4" CS Pin (1-1/2"Coil)
Coil Tubing Rental	1.93" OD Coil Connector w/1" CS Pin (1-1/2"Coil)
Coil Tubing Rental	1.93" OD Coil Connector w/1" CS Pin (1-1/2"Coil)
Coil Tubing Rental	1.93" OD Coil Connector w/ 1" CS Pin (1-1/2"Coil)
Coil Tubing Rental	1.93" OD Coil Connector w/1" MT Pin (1-1/2"Coil)
Coil Tubing Rental	1.93" OD Coil Connector w/1" MT Pin (1-1/2"Coil)
Coil Tubing Rental	2.125" OD Coil Connector w/1-1/2" MT Pin (1-1/4" Coil)
Coil Tubing Rental	2.125" OD Coil Connector w/1-1/2" MT Pin (1-1/4" Coil)
Coil Tubing Rental	1.69" OD Coil Connector w/1" CS Pin (1-1/4" Coil)
Coil Tubing Rental	1.69" OD Coil Connector w/1" CS Pin (1-1/4" Coil)
Coil Tubing Rental	2.125" OD Coil Connector w/1-1/2" MT Pin (1-1/2" Coil)
Coil Tubing Rental	2.125" OD Coil Connector w/1-1/2" MT Pin (1-1/2" Coil)
Coil Tubing Rental	2.125" OD Coil Connector w/1-1/2" MT Pin (1-1/2" Coil)
Coil Tubing Rental	2.125" OD Coil Connector w/1-1/2" MT Pin (1-1/2" Coil)
Coil Tubing Rental	2.125" OD Coil Tubing Connector w/ 1-1/2" MT Pin (1-1/2" Coil)
Coil Tubing Rental	2.125" OD Coil Tubing Connector w/ 1-1/2" MT Pin (1-1/2" Coil)
Coil Tubing Rental	1.93" OD Coil Connector w/1" MT Pin (1-1/2"Coil)
Coil Tubing Rental	1.93" OD Coil Connector w/ 1" MT Pin (1-1/2" Coil)
Coil Tubing Rental	1.93" OD Coil Connector w/ 1" MT Pin (1-1/2" Coil)
CTR	1.93" OD Coil Connector w/ 1" MT Pin (1-1/2" Coil)
CTR	1.93" OD Coil Connector w/ 1" MT Pin (1-1/2" Coil)
NST	1.93" OD Coil Connector w/ 1" MT Pin (f/ 1-1/2" Coil)
NST	1.93" OD Coil Connector w/ 1" MT Pin (f/ 1-1/2" Coil)
NST	1.93" OD Coil Connector w/ 1" MT Pin (f/ 1-1/2" Coil)
NST	1.93" OD Coil Connector w/ 1" MT Pin (f/ 1-1/2" Coil)
NST	1.69" OD Coil Connector w/ 1" MT Pin (f/ 1-1/4" Coil)
NST	1.69" OD Coil Connector w/ 1" MT Pin (f/ 1-1/4" Coil)
NST	1.69" OD Coil Connector w/ 1" MT Pin (f/ 1-1/4" Coil)
NST	1.69" OD Coil Connector w/ 1" MT Pin (f/ 1-1/4" Coil)
NST	1.69" OD Coil Connector w/ 1" MT Pin (f/ 1-1/4" Coil)
NST	1.69" OD Coil Connector w/ 1" MT Pin (f/ 1-1/4" Coil)
NST	1.69" OD Coil Connector w/ 1" MT Pin (f/ 1-1/4" Coil)
CTR	1.69" OD Coil Connector w/ 1" MT Pin (f/1-1/4" Coil)

Manufacture	Description
CTR	1.69" OD Coil Connector w/ 1" MT Pin (1-1/4" Coil)
CTR	1.69" OD Coil Connector w/ 1" MT Pin (1-1/4" Coil)
CTR	1.69" OD Coil Connector w/ 1" MT Pin
CTR	1.69" OD Coil Connector w/ 1" MT Pin
Energy Resources Tools	1.69" OD Coil Connector w/ 1" MT Pin (1-1/4" Coil) Prototype
CTR	1.93" OD Coil Connector w/ 1-1/4" CS Pin (1-1/4" Coil)
JPP	1.75" OD Dimple Coil Connector w/ 1" MT Pin
JPP	1.75" OD Dimple Coil Connector w/ 1" MT Pin
Shop	1.69" OD Coil Connector w/1" MT Pin (1-1/4" Coil)
Shop	1.69" OD Coil Connector w/1" MT Pin (1-1/4" Coil)
Coil Tubing Rental	2.125" OD Coil Connector w/1-1/2" MT Pin (1-1/4" Coil)
Coil Tubing Rental	1.69" OD Coil Connector w/ 1" CS Pin (1-1/4" Coil)
Coil Tubing Rental	1.69" OD Coil Connector w/1" MT Pin (1-1/4" Coil)
Coil Tubing Rental	1.69" OD Coil Connector w /1" MT Pin (1-1/4" Coil)
Coil Tubing Rental	1.69" OD Coil Connector w /1" MT Pin (1-1/4" Coil)
Coil Tubing Rental	1.69" OD Coil Connector w/1" MT Pin (1-1/4" Coil)
Coil Tubing Rental	1.69 x 1.93" OD x 1.280" ID Coil Connector w/ 1-1/4" CS Pin (1-1/4" Coil)
Coil Tubing Rental	1.69" OD Coil Connector w/1" MT Pin (1-1/4" Coil)
Coil Tubing Rental	1.69" OD Coil Connector w/ 1" CS Pin (1-1/4" Coil) - Big Bore
Shop No #	1.25" OD Roll On Coil Connector w/ 3/4" MT Pin (.109" Wall)
Coil Tubing Rental	1.69" OD Coil Connector w/ 1" CS Pin (1" Coil)
Coil Tubing Rental	1.69" OD Coil Connector w/ 1" CS Pin (1-1/4" Coil)
Coil Tubing Rental	1.69" OD Coil Connector w/ 1" MT Pin (1-1/4" Coil)
Coil Tubing Rental	1.69" OD Coil Connector w/ 1" MT Pin (1-1/4" Coil)
Hunter Downhole Tools	1.69 Coil Conn
Hunter Downhole Tools	1.69 Coil Conn
Coil Tubing Rental	1.69" OD Coil Connector w/ 1" MT Pin (1-1/4" Coil)
Coil Tubing Rental	1.69" OD Coil Connector w/ 1" MT Pin (1-1/4" Coil)

WEIGHT BARS

Manufacture	Description
Louisiana Cajun Mach.	1.25" OD Wash Nozzle w/ Dual Flapper Valve Assembly w/ 3/4" MT Conn.
La Cajun Machine	1.25" OD Weight Bar w/ 3/4" MT Box x Pin
La Cajun Machine	1.25" OD Weight Bar w/ 3/4" MT Box x Pin
La Cajun Machine	1.25" OD Weight Bar w/ 3/4" MT Box x Pin
	1.25" OD Weight Bar w/ 3/4" MT Box x Pin
	1.25" OD Weight Bar w/ 3/4" MT Box x Pin
	1.25" OD Weight Bar w/ 3/4" MT Box x Pin
	1.25" OD Weight Bar w/ 3/4" MT Box x Pin
	1.25" OD Weight Bar w/ 3/4" MT Box x Pin

Manufacture	Description
Tri Tech Machine	1.25" OD Weight Bar w/ 3/4" MT Box x Pin
Danaco	1.25" OD Weight Bar w/ 3/4" MT Box x Pin
NST	1.25" OD Weight Bar w/ 3/4" MT Box x Pin
NST	1.25" OD Weight Bar w/ 3/4" MT Box x Pin
NST	1.25" OD Weight Bar w/ 3/4" MT Box x Pin
La Cajun	1.25" OD Weight Bar w/ 3/4" MT Box x Pin (5' Long)
La Cajun	1.25" OD Weight Bar w/ 3/4" MT Box x Pin (5' Long)
La Cajun	1.25" OD Weight Bar w/ 3/4" MT Box x Pin (5' Long)
Thru Tubing Technology	1.25" OD Weight Bar w/3/4" MT Box x Pin (3' Long)
Service Machine	1.25" OD Weight Bar w/3/4" MT Box x Pin (4' Long)
	1.25"OD Slick Assy.(FB Nozzle/Check Valve/Wt. Bar)
	1.50" OD Int. Coil Assembly (Flapper)
La Cajun Machine	1.50" OD Weight Bar w/ 3/4" MT Box x Pin
La Cajun Machine	1.50" OD Weight Bar w/ 3/4" MT Box x Pin
La Cajun Machine	1.50" OD Weight Bar w/ 3/4" MT Box x Pin
La Cajun Machine	1.50" OD Weight Bar w/ 3/4" MT Box x Pin
Hard Metal Advantage	1.50" OD Weight Bar w/ 3/4" MT Box x Pin (5' Long)
Hard Metal Advantage	1.50" OD Weight Bar w/ 3/4" MT Box x Pin (5' Long)
Hard Metal Advantage	1.50" OD Weight Bar w/ 3/4" MT Box x Pin (5' Long)
NST	1.69" OD Weight Bar w/ 1" MT Box x Pin
NST	1.69" OD Weight Bar w/ 1" MT Box x Pin
NST	1.69" OD Weight Bar w/ 1" MT Box x Pin
La Cajun Machine	1.69" OD Weight Bar w/1" CS Box x Pin
La Cajun Machine	1.69" OD Weight Bar w/1" MT Box x Pin
La Cajun	1.69" OD Weight Bar w/1" MT Box x Pin
Tri Tech Machine	1.69" OD Weight Bar w/1" MT Box x Pin
Shop	1.69" OD Weight Bar w/1" MT Box x Pin
NST	1.69" OD Weight Bar w/1" MT Box x Pin
La Cajun Machine	1.70" OD Weight Bar w/1" MT Box x Pin
La Cajun Machine	1.75" OD Weight Bar w/1" MT Box x Pin
Tri Tech Machine	1.75" OD Weight Bar w/1" MT Box x Pin
NST	1.75" OD Weight Bar w/1" MT Box x Pin
NST	1.75" OD Weight Bar w/1" MT Box x Pin
La Cajun Machine	2.125" OD Weight Bar w/1-1/4" CS Box x Pin
La Cajun Machine	2.125" OD Weight Bar w/1-1/4" CS Box x Pin
1.69 OD DFV, DISC, DCS, AV, KNUCKLE JOINT, LOCKING SWIVEL	
Manufacture	Description
Coil Tubing Rental	1.69" OD Dual Back Pressure Valve w/1" CS Box x Pin
Coil Tubing Rental	1.69" OD Dual Back Pressure Valve w/1" CS Box x Pin
Venturi Oil Tools	1.75" OD Dual Back Pressure Valve w/1" MT Box x Pin
Venturi Oil Tools	1.69" OD Dual Back Pressure Valve w/1" MT Box x Pin

Manufacture	Description
Venturi Oil Tools	1.69" DFCU w/1" CS Box x Pin
Venturi Oil Tools	1.69" Dual Back Pressure Valve w/1" CS Box x Pin
Venturi Oil Tools	1.69" OD Dual Back Pressure Valve w/ 1" MT Box
Venturi Oil Tools	1.69" OD Dual Back Pressure Valve w/ 1" MT Box
Venturi Oil Tools	1.69" OD Dual Back Pressure Valve w/1" MT Box x Pin
VOT	1.69" OD Dual Back Pressure Valve w/1" MT Box x Pin
VOT	1.69" OD Dual Back Pressure Valve w/1" MT Box x Pin
VOT	1.69" OD Dual Back Pressure Valve w/1" MT Box x Pin
VOT	1.69" OD Dual Back Pressure Valve w/1" MT Box x Pin
VOT	1.69" OD Dual Back Pressure Valve w/1" MT Box x Pin
VOT	1.69" OD Dual Back Pressure Valve w/1" MT Box x Pin
VOT	1.69" OD Dual Back Pressure Valve w/1" MT Box x Pin
VOT	1.69" OD Dual Back Pressure Valve w/1" MT Box x Pin
VOT	1.69" OD Dual Back Pressure Valve w/1" MT Box x Pin
VOT	1.69" OD Dual Back Pressure Valve w/1" MT Box x Pin
VOT	1.69" OD Dual Back Pressure Valve w/1" MT Box x Pin
VOT	1.69" OD Dual Back Pressure Valve w/ 1" MT Box x Pin
Venturi Oil Tools	1.69" OD Dual Back Pressure Valve w/1" MT Box x Pin
VOT	1.69" OD Dual Back Pressure Valve w/ 1" MT Box x Pin
VOT	1.69" OD Dual Back Pressure Valve w/ 1" MT Box x Pin
VOT	1.75" OD Dual Back Pressure Valve w/ 1" MT B x P
VOT	1.75" OD Dual Back Pressure Valve w/1" MT Box x Pin
VOT	1.75" OD Dual Back Pressure Valve w/1" MT Box x Pin
VOT	1.69" OD Dual Back Pressure Valve w/ 1" MT Box x Pin
NST	1.69" OD Dual Back Pressure Valve w/ 1" MT Box x Pin
Thru Tubing Technology	1.75" OD Hydraulic Disconnect w/1" MT Box x Pin
Venturi Oil Tools	1.75" OD TJ Hydraulic Disconnect w/ 1" MT Box x Pin
Venturi Oil Tools	1.75" OD TJ Hydraulic Disconnect w/ 1" MT Box x Pin
Venturi Oil Tools	1.68" OD ED Hydraulic Disconnect w/ 1" CS Box x Pin
Coil Tubing Rental	1.69" OD Hydraulic Disconnect w/1" CS Box x Pin
Venturi Oil Tools Returned	1.69" OD TJ Hydraulic Disconnect w/1" MT Box x Pin
Venturi Oil Tools	1.69" OD ED Hydraulic Disconnect w/1" MT Box x Pin
Coil Tubing Rental	1.81 "OD Hydraulic Disconnect w/1" CS Box x Pin
Venturi Oil Tools	1.69" OD TJ Hydraulic Disconnect w/1" MT Box x Pin
Venturi Oil Tools	1.69" OD TJ Hydraulic Disconnect w/1" MT Box x Pin
Venturi Oil Tools	1.69" OD TJ Hydraulic Disconnect w/1" MT Box x Pin
Venturi Oil Tools	1.69" OD TJ Hydraulic Disconnect w/1" MT Box x Pin
Venturi Oil Tools	1.69" OD TJ Hydraulic Disconnect w/1" MT Box x Pin
Venturi Oil Tools	1.69" OD TJ Hydraulic Disconnect w/1" MT Box x Pin
Venturi Oil Tools	1.69" OD TJ Hydraulic Disconnect w/1" CS Box x Pin
Venturi Oil Tools	1.69" OD TJ Hydraulic Disconnect w/1" MT Box x Pin
Venturi Oil Tools	1.69" OD TJ Hydraulic Disconnect w/1" MT Box x Pin
VOT	1.69" OD TJ Hydraulic Disconnect w/ 1" MT B x P
VOT	1.69" OD TJ Hydraulic Disconnect w/ 1" MT B x P
Venturi Oil Tools	1.69" OD TJ Hydraulic Disconnect w/1" MT Box x Pin

Manufacture	Description
Hunter Downhole Tools	1.69" OD Hydraulic Disconnect w/1" MT Box x Pin
Hunter Downhole Tools	1.69" OD Hydraulic Disconnect w/1" MT Box x Pin
Venturi Oil Tools	1.69" OD TJ Hydraulic Disconnect w/1" MT Box x Pin
Petro Tech	1.50" OD Hydraulic Disconnect w/1" MT Box x Pin
Owen	1.81" OD Straight Pull Disconnect w/ 1" MT Pin x Pin (Bait Sub)
Owen	1.75" OD Straight Pull Disconnect Sub w/ 1" MT Pin x Pin (Dual Bait)
Thru Tubing Technology	1.81" OD Straight Pull Disconnect w/ 1" MT Pin x Pin (Dual Bait Sub)
	129-133
Shop	1.69" OD 3 Ported AV Sub w/ 1" MT Box x Pin
Coil Tubing Rental Tools	1.69" OD Ported AV Sub w/ 1" MT Box x Pin
Thru Tubing Technology	1.69" OD Dual Circulating Sub w/1" MT Box x Pin
Venturi Oil Tools	1.69" OD Dual Circulating Sub w/1" MT Box x Pin
VOT	1.69" OD Dual Circulating Sub w/1" MT Box x Pin
Venturi Oil Tools	1.69" OD Dual Circulating Sub w/1" MT Box x Pin
VOT	1.69" OD Dual Circulating Sub w/1" MT Box x Pin
VOT	1.69" OD Dual Circulating Sub w/1" MT Box x Pin
VOT	1.69" OD Dual Circulating Sub w/1" MT Box x Pin
NST	1.69" OD Dual Circulating Sub w/1" MT Box x Pin
Thru Tubing Technology	1.69" OD Torque Thru Knuckle Joint w/1" MT Box x Pin
Thru Tubing Technology	1.69" OD Torque Thru Knuckle Joint w/1" MT Box x Pin
Thru Tubing Technology	1.69" OD Torque Thru Knuckle Joint w/1" MT Box x Pin
Thru Tubing Technology	1.69" OD Torque Thru Knuckle Joint w/1" MT Box x Pin
Thru Tubing Technology	1.69" OD Torque Thru Knuckle Joint w/1" MT Box x Pin
Thru Tubing Technology	1.69" OD Torque Thru Knuckle Joint w/1" MT Box x Pin
Coil Tubing Rental	1.69" OD Torque Thru Knuckle Joint w/1" MT Box x Pin
Coil Tubing Rental	1.69" OD Torque Thru Knuckle Joint w/1" MT Box x Pin
Thru Tubing Technology	1.69" OD Locking Swivel w/1" MT Box x Pin
Owen Oil Tools	1.69" OD Locking Swivel w/1" MT Box x Pin

SURFACE FILTERS AND WORK PLATES

Manufacture	Description
	2"x 1502 WECO Surface Filter
Amigos	2"x 1502 WECO Surface Filter
Amigos Equipment	2"x 1502 WECO Surface Filter
Amigos Equipment	2"x 1502 WECO Surface Filter
LA Cajun Machine	Work Plate
LA Cajun Machine	Work Plate
Tri Tech Machine	Work Plate
HMA	Work Plate 5-1/2"
LA Cajun Machine	Work Plate - 3/4"
NST	Work Plate - 16" x 16" x 5/8"

2.13 DFV, DISC, DCS, KJ, 1" MT STABILIZERS, 1-1/2" MT STABILIZERS, 1" MT LOCATORS, 1-1/2" MT LOCATORS

Manufacture	Description
Manufacture	Description
Coil Tubing Rental	2.125" OD Dual Back Pressure Valve w/1-1/4" CS Box x Pin
Coil Tubing Rental	2.125" OD Dual Back Pressure Valve w/1-1/4" CS Box x Pin
Coil Tubing Rental	2.125" OD Dual Back Pressure Valve w/1-1/4" CS Box x Pin
Coil Tubing Rental	2.125" OD Dual Back Pressure Valve w/1-1/4" CS Box x Pin
Coil Tubing Rental	2.125" OD Dual Back Pressure Valve w/1-1/4" CS Box x Pin
Coil Tubing Rental	2.125" OD Dual Back Pressure Valve w/1-1/4" CS Box x Pin
VOT	2.125" OD Dual Back Pressure Valve w/1-1/4" CS Box x Pin
Venturi Oil Tools	2.125" OD Dual Back Pressure Valve w/1-1/2" MT Box x Pin
Venturi Oil Tools	2.125" OD Dual Back Pressure Valve w/1-1/2" MT Box x Pin
TTT	2.125" OD Dual Back Pressure Valve w/1-1/2" MT Box x Pin
VOT	2.125" OD Dual Back Pressure Valve w/1-1/2" MT Box x Pin
Venturi Oil Tools	2.125" OD Dual Back Pressure Valve w/1-1/2" MT Box x Pin
Tri Tech Machine	2" OD Dual Check Valve w/1-1/2" MT Box x Pin
Tri Tech Machine	2" OD Dual Check Valve w/1-1/2" MT Box x Pin
Southern Eagle	2.00" OD Dual Dart Check Valve w/ 1-1/2" MT Box x Pin
Thru Tubing Technology	2.125" OD FDL Hydraulic Disconnect w/1-1/2" MT Box x Pin
Thru Tubing Technology	2.125" OD FDL Hydraulic Disconnect w/1-1/2" MT Box x Pin
Thru Tubing Technology	2.125" OD Dual Back Pressure Valve w/1-1/2" MT Box x Pin
Coil Tubing Rental	2.125" OD Hydraulic Disconnect w/1-1/4" CS Box x Pin
Coil Tubing Rental	2.125" OD Hydraulic Disconnect w/1-1/4" CS Box x Pin
Coil Tubing Rental	2.125" OD Hydraulic Disconnect w/1-1/4" CS Box x Pin
Coil Tubing Rental	2.125" OD Hydraulic Disconnect w/1-1/4" CS Box x Pin
Coil Tubing Rental	2.125" OD Hydraulic Disconnect w/1-1/4" CS Box x Pin
Venturi Oil Tools	2.125" OD TJ Hyd. Disconnect w/ 1-1/2" MT Box x Pin
Venturi Oil Tools	2.125" OD TJ Hyd. Disconnect w/ 1-1/2" MT Box x Pin
Venturi Oil Tools	2.125" OD TJ Hyd. Disconnect w/ 1-1/2" MT Box x Pin
Venturi Oil Tools	2.125" OD TJ Hyd. Disconnect w/ 1-1/2" MT Box x Pin
Venturi Oil Tools	2.125" OD TJ Hyd. Disconnect w/ 1-1/2" MT Box x Pin
Venturi Oil Tools	2.125" OD TJ Hyd. Disconnect w/ 1-1/2" MT Box x Pin
Venturi Oil Tools	2.125" OD TJ Hyd. Disconnect w/ 1-1/2" MT Box x Pin
Venturi Oil Tools	2.125" OD TJ Hyd. Disconnect w/ 1-1/2" MT Box x Pin
Venturi Oil Tools	2.125" OD TJ Hyd. Disconnect w/ 1-1/2" MT Box x Pin
Venturi Oil Tools	2.125" OD TJ Hyd. Disconnect w/ 1-1/2" MT Box x Pin
Venturi Oil Tools	2.125" OD TJ Hyd. Disconnect w/ 1-1/2" MT Box x Pin
Owen	2.125" OD Straight Pull Disconnect w/ 1-1/2" MT Box x Pin (Bait Sub)
Owen	2.125" OD Straight Pull Disconnect w/ 1-1/2" MT Box x Pin (Bait Sub)
Thru Tubing Technology	2.125" OD Torque Thru Knuckle Joint w/1-1/2" MT Box x Pin
TTT	2.125" OD Torque Thru Knuckle Joint w/1-1/2" MT Box x Pin
Coil Tubing Rental	2.125" OD Torque Thru Knuckle Joint w/1-1/2" MT Box x Pin
Tri Tech Machine	2.45" OD Fix Bladed Stabilizer w/1" MT Box x Pin
LA Cajun Machines	1.85" OD Fixed Blade Stabilizer w/1" MT Box x Pin
LA Cajun Machines	1.85" OD Fixed Blade Stabilizer w/1" MT Box x Pin
LA Cajun Machines	1.85" OD Fixed Blade Stabilizer w/1" MT Box x Pin

Manufacture	Description
LA Cajun Machines	1.85" OD Fixed Blade Stabilizer w/1" MT Box x Pin
LA Cajun Machines	1.75" OD Fixed Blade Stabilizer w/ 1" MT Box x Pin
NST	3.375" OD Fixed Blade Stabilizer w/ 1-1/2" MT Box x Pin
Tri Tech Machine	2.25" OD Fixed Blade Stabilizer w/ 1" MT Box x Pin
LA Cajun Machines	2.75" OD Fixed Blade Stabilizer w/1-1/2" MT Box x Pin
LA Cajun Machines	2.75" OD Fixed Blade Stabilizer w/1-1/2" MT Box x Pin
LA Cajun Machines	2.70" OD Fixed Blade Stabilizer w/ 1-1/2" MT Box x Pin
Thru Tubing Technology	1.69" OD Mechanical Nipple Locator w/ 1" MT Box x Pin (2-3/8" Tubing)
Owen	1.69" OD Mechanical Nipple Locator w/ 1" MT Box x Pin (2-3/8" Tubing)
Owen	1.69" OD Mechanical Nipple Locator w/ 1" MT Box x Pin (2-3/8" Tubing)
Owen	1.69" OD Mechanical Nipple Locator w/ 1" MT Box x Pin (2-3/8" Tubing)
Thru Tubing Technology	2.125" OD Mechanical Nipple Locator w/ 1-1/2" MT Box x Pin (2-7/8" & 3-1/5"
Thru Tubing Technology	2.125" OD Mechanical Nipple Locator w/ 1-1/2" MT Box x Pin (2-7/8" & 3-1/5"
Owen	2.125" OD Mechanical Nipple Locator w/ 1-1/2" MT Box x Pin (2-7/8" & 3-1/5"
Owen	2.125" OD Mechanical Nipple Locator w/ 1-1/2" MT Box x Pin (2-7/8" & 3-1/5"
Owen	2.125" OD Mechanical Nipple Locator w/ 1-1/2" MT Box x Pin (2-7/8" & 3-1/5"
Owen	2.125" OD Mechanical Nipple Locator w/ 1-1/2" MT Box x Pin (2-7/8" & 3-1/5"
Owen	2.125" OD Mechanical Nipple Locator w/ 1-1/2" MT Box x Pin (2-7/8" & 3-1/5"
Owen	2.125" OD Mechanical Nipple Locator w/ 1-1/2" MT Box x Pin (2-7/8" & 3-1/5"
Owen	2.125" OD Mechanical Nipple Locator w/ 1-1/2" MT Box x Pin (2-7/8" & 3-1/5"
Owen	2.125" OD Mechanical Nipple Locator w/ 1-1/2" MT Box x Pin (2-7/8" & 3-1/5"
Owen	2.125" OD Mechanical Nipple Locator w/ 1-1/2" MT Box x Pin (2-7/8" & 3-1/5"
Owen	2.125" OD Mechanical Nipple Locator w/ 1-1/2" MT Box x Pin (2-7/8" & 3-1/5"
Owen	2.125" OD Mechanical Nipple Locator w/ 1-1/2" MT Box x Pin (2-7/8" & 3-1/5"
	1.875 X LINE RUNNING TOOL
	2.131 X LINE RUNNING TOOL

HYDRAULIC INTERNAL CATCH

Manufacture	Description
NOV	2-1/2" Hydraulic Bulldog Spear w/ 1-1/2" MT Box (2.25" OD)
NOV	2" Hydraulic Bulldog Spear w/ 1" MT Box (1.85" OD)
NOV	2" Hydraulic Bulldog Spear w/ 1" MT Box (1.85" OD)
NOV	2" Hydraulic Bulldog Spear w/ 1" MT Box (1.85" OD)
NOV-PCE	2" Hydraulic Bulldog Spear w/ 1" MT Box (1.85" OD)
NOV-PCE	2" Hydraulic Bulldog Spear w/ 1" MT Box (1.85" OD)
Thru Tubing Technology	2" OD Hydraulic GS Pulling Tool w/1" MT Box (1-3/8" G-Profile)
Thru Tubing Technology	2" OD Hydraulic GS Pulling Tool w/1" MT Box (1-3/8" G-Profile)
Thru Tubing Technology	2" OD Hydraulic GS Pulling Tool w/1" MT Box (1-3/8" G-Profile)
Venturi Oil Tools	2" OD Hydraulic GS Pulling Tool w/1" MT Box (1-3/8" G-Profile)
JPP	2" OD Hydraulic GS Pulling Tool w/1" MT Box (1-3/8" G-Profile)
JPP	2" OD Hydraulic GS Pulling Tool w/1" MT Box (1-3/8" G-Profile)
JPP	2" OD Hydraulic GS Pulling Tool w/1" MT Box (1-3/8" G-Profile)
JPP	2" OD Hydraulic GS Pulling Tool w/1" MT Box (1-3/8" G-Profile)
Venturi Oil Tools	1.69" OD Hydraulic B&W Pulling Tool w/1" MT Box
Venturi Oil Tools	2" OD Hydraulic GS Pulling Tool w/1" MT Box (1-3/8" G-Profile)
Venturi Oil Tools	1.69" OD Hydraulic B&W Pulling Tool w/1" MT Box
Venturi Oil Tools	1.69" OD Hydraulic B&W Pulling Tool w/1" MT Box

Manufacture	Description
VOT	1.69" OD Hydraulic B&W Pulling Tool w/1" MT Box
VOT	1.69" OD Hydraulic B&W Pulling Tool w/1" MT Box
VOT	1.69" OD Hydraulic B&W Pulling Tool w/1" MT Box
VOT	1.69" OD Hydraulic B&W Pulling Tool w/1" MT Box
Innovative Design	2" OD Hydraulic GS Pulling Tool w/1" MT Box (1-3/8" G-Profile)
VOT	1.69" OD Hydraulic B&W Pulling Tool w/1" MT Box
VOT	1.69" OD Hydraulic BW Pulling Tool w/1" MT Box
Thru Tubing Technology	2-1/2" Hydraulic GS Pulling Tool (Spear) w/ 1-1/2" MT Box (1-3/4" G-Profile)
Thru Tubing Technology	2-1/2" Hydraulic GS Pulling Tool (Spear) w/ 1-1/2" MT Box (1-3/4" G-Profile)
	2-1/2" Hydraulic GS Pulling Tool (Spear) w/ 1-1/2" MT Box (1-3/4" G-Profile)
Venturi Oil Tools	2-1/8" Hydraulic B&W Pulling Tool w/ 1-1/2" MT Box
VOT	2-1/8" Hydraulic B&W Pulling Tool w/ 1-1/2" MT Box
Hunter Oil Tools	3" (2.70" OD) Hydraulic GS Pulling Tool w/2-3/8" PAC Box (2.313" G-Profile))
JPP	2-1/2" Hydraulic GS Pulling Tool (Spear) w/ 1-1/2" MT Box (1-3/4" G-Profile)
JPP	2-1/2" Hydraulic GS Pulling Tool (Spear) w/ 1-1/2" MT Box (1-3/4" G-Profile)
JPP	2-1/2" Hydraulic GS Pulling Tool (Spear) w/ 1-1/2" MT Box (1-3/4" G-Profile)
JPP	2-1/2" Hydraulic GS Pulling Tool (Spear) w/ 1-1/2" MT Box (1-3/4" G-Profile)
Venturi Oil Tools	2-1/8" Hydraulic BW Pulling Tool w/ 1 1/4" CS Box
JPP	2-9/16" Mark III Hydraulic GS Pulling Tool w/ 2-3/8" PAC Box
JPP	2-9/16" Mark III Hydraulic GS Pulling Tool w/ 2-3/8" PAC Box
Southern Eagle Tools	4" (3.62" OD) Hydraulic GS Pulling Tool w/ 2-3/8" PAC Box
Venturi Oil Tools	Hyd Pulling Tool
JPP	2-1/2" Hydraulic GS Pulling Tool (Spear) w/ 1-1/2" MT Box (1-3/4" G-Profile)
JPP	2-1/2" Hydraulic GS Pulling Tool (Spear) w/ 1-1/2" MT Box (1-3/4" G-Profile)
JPP	2-1/8" Hydraulic BW Pulling Tool w/ 1 1/2" MT Box

MECHANICAL INTERNALS AND EXTERNAL PULLING TOOLS

Manufacture	Description
Thru Tubing Technology	1.69" OD Mechanical B&W Pulling Tool w/1" MT Box (Ported)
Service Machine Shop	2" Mechanical GS Pulling Tool w/5/8" SR Pin
Tri Tech Machine Shop	2-1/2" Mechanical GS Pulling Tool w/5/8" SR Pin
Thru Tubing Technology	1.69" OD Mechanical B&W Pulling Tool w/1" MT Box (Ported)
Thru Tubing Technology	1.69" OD Mechanical B&W Pulling Tool w/1" MT Box (Ported)
Tri Tech Machine Shop	2" Mechanical GS Pulling Tool w/1" MT Box (Ported)
Tri Tech Machine	2" Mechanical GS Pulling Tool w/1" MT Box (Ported)
TTT	1.69" OD Mechanical B&W Pulling Tool w/1" MT Box (Ported)
Venturi Oil Tools	1.69" OD Mechanical B&W Pulling Tool w/1" MT Box (Ported)
TIC	2-1/2" Mechanical GS Pulling Tool w/5/8" SR Pin
TTT	1.69" OD Mechanical B&W Pulling Tool w/1" MT Box (Ported)
TIC	2" Mechanical GS Pulling Tool w/5/8" SR Pin
Venturi Oil Tools	2.125" Mechanical BW Pulling Tool w/ 1-1/2" MT Box (Ported)
TTT	1.69" OD Mechanical B&W Pulling Tool w/1" MT Box
Fredricks Machine Shop	2-1/2" Mechanical GS Pulling Tool w/ 1" MT Box (Ported)
Fredricks Machine Shop	2-1/2" Mechanical GS Pulling Tool w/ 1" MT Box (Ported)

Manufacture	Description
Fredricks Machine Shop	2-1/2" Mechanical GS Pulling Tool w/ 1" MT Box (Ported)
Fredricks Machine Shop	2-1/2" Mechanical GS Pulling Tool w/ 1" MT Box (Ported)
Fredricks Machine Shop	2-1/2" Mechanical GS Pulling Tool w/ 1" MT Box (Ported)
Fredricks Machine Shop	2-1/2" Mechanical GS Pulling Tool w/ 1" MT Box (Ported)
Fredricks Machine Shop	2" Mechanical GS Pulling Tool w/ 1" MT Box (Ported)
Fredricks Machine Shop	2" Mechanical GS Pulling Tool w/ 1" MT Box (Ported)
Owen Oil Tools	1.69" OD Mechanical B&W Pulling Tool w/1" MT Box (Ported)
Frederick's Machine Shop	1-1/2" Mechanical GS Pulling Tool w/ 5/8" SR Pin
Owen/TTT	1.69" OD Mechanical BW Pulling Tool w/ 1" MT Box
Fredricks Machine Shop	2" Mechanical GS Pulling Tool w/1" MT Box
Fredricks Machine Shop	3" Mechanical GS Pulling Tool (Ported) w/ 1-1/2" MT Box
Fredricks Machine Shop	3" Mechanical GS Pulling Tool Ported w/ 1-1/2" MT Box
Frederick's Machine Shop	3-1/2" Mechanical GS Pulling Tool w/ 3/4" SR Pin
D & D	2" Mechanical PR Pulling Tool w/ 5/8" SR Pin
D & D	2" Mechanical PR Pulling Tool w/ 5/8" SR Pin
D & D	1-5/8" Mechanical PR Pulling Tool w/ 5/8" SR Pin
Downhole & Design	2-1/2" (2.25" OD) PR Mechanical Pulling Tool w/ 5/8" SR Pin
Fredericks	2-1/2" GR Adapter w/ 5/8" SR Pin
Fredericks	2-1/2" GR Adapter w/ 5/8" SR Pin
Fredericks	3" GR Adapter w/ 3/4" SR Pin x 3/4" Sr Box
Logan Oil Tools	ITCO SPEAR with 1-13/16" WFJ Box (GR #1348) (MODIFIED FOR SHORT CATCH)
Logan Oil Tools	8340 ITCO SPEAR, 1-13/16" WFJB, 2.289 CATCH, PORTED
Logan Oil Tools	1 1/8" Itco Spear gr #11197 w/ 5/8" SR Pin
Logan Oil Tools	11/16" OD ITCO Spear with 5/8" SR Pin (GR# 16457)
Logan Oil Tools	1 3/8" Itco SS Mandrel Spear gr # 9917 w/ 3/4" Sr Pin
Logan Oil Tools	11/16" OD ITCO Spear with 5/8" SR Pin (GR# 16457)
Logan Oil Tools	11/16" OD ITCO Spear with 5/8" SR Pin (GR# 16457)
Logan Oil Tools	1.66" OD ITCO Spear SS (11196) w/ 1" MT Box
Logan Oil Tools	11/16" OD ITCO Spear with 5/8" SR Pin (GR# 16457)
Logan Oil Tools	11/16" OD ITCO Spear with 5/8" SR Pin (GR# 16456A)
Logan Oil Tools	1-3/8" OD Ser. 9915 ITCO Spear (Standard) w/ 3/4" SR Pin
Rubicon	11/16" OD ITCO Spear w/ 5/8" SR Pin
Tri Tech Machine Shop	2" Mechanical JDC Pulling Tool w/5/8" SR Pin (1-3/8" FN)
Tri Tech Machine Shop	2" Mechanical JDC Pulling Tool w/5/8" SR Pin (1-3/8" FN)
TIC	2" Mechanical JDC Pulling Tool w/5/8" SR Pin
Newlin	1-1/2" Mechanical JD Pulling Tool w/5/8" SR Pin (1.187" FN)
Tri Tech Machine Shop	2" Mechanical JDC Pulling Tool w/5/8" SR Pin (1-3/8" FN)
Tri Tech Machine Shop	2" Mechanical JDC Pulling Tool w/5/8" SR Pin (1-3/8" FN)
Fredricks Machine Shop	2" Mechanical JD Pulling Tool w/ 1" MT Box (Ported)
Fredricks Machine Shop	2" Mechanical JDS Pulling Tool w/ 1" MT Box (Ported)
Fredricks Machine Shop	2" Mechanical JCS Pulling Tool w/ 1" MT Box (Ported)
Fredricks Machine Shop	2" Mechanical JDC Pulling Tool (Ported Core) w/ 1" CS Box
Fredricks Machine Shop	2" Mechanical JDC Pulling Tool w/ 1" MT Box
Service Machine Shop	2-1/2" Mechanical GS Pulling Tool w/5/8" SR Pin

Manufacture	Description
TIC	2-1/2" Mechanical JDC Pulling Tool w/ 5/8" SR Pin
Fredricks Machine Shop	2-1/2" Mechanical JDC Pulling Tool w/1" MT Box
Tri Tech Machine Shop	2-1/2" Mechanical JDS Pulling Tool w/5/8" SR Pin (1-3/8" FN)
Fredricks Machine Shop	3" Mechanical JDC Pulling Tool w/ 3/4" SR Pin
Fredericks	5" Mechanical GS Pulling Tool w/ 1-1/2" MT B
Fredericks	5" Mechanical GS Pulling Tool w/ 1-1/2" MT B

HYDRAULIC EXT. CATCH PULLING TOOLS

Manufacture	Description
Grifco	1-1/2" Hydraulic JD Pulling Tool w/1" MT Box (1-3/16" FN)
Grifco	2" Hydraulic JD Pulling Tool w/1"MT Box (Profile 1-3/8" FN)
Grifco	2-1/2" Hydraulic JD Pulling Tool w/1-1/2" MT Box (Profile 1-3/4" FN)
JPP	1-1/2" Hydraulic JD Pulling Tool w/1" MT Box (1-3/16" FN)
JPP	2" Hydraulic JD Pulling Tool w/1"MT Box (Profile 1-3/8" FN)
JPP	2-1/2" Hydraulic JD Pulling Tool w/1-1/2" MT Box (Profile 1-3/4" FN)
JPP	2-1/2" Hydraulic JD Pulling Tool w/1-1/2" MT Box (Profile 1-3/4" FN)
JPP	2-1/2" Hydraulic JD Pulling Tool w/1-1/2" MT Box (Profile 1-3/4" FN)
JPP	2-1/2" Hydraulic JD Pulling Tool w/1-1/2" MT Box (Profile 1-3/4" FN)
Grifco	2" Hydraulic JD Pulling Tool w/1"MT Box (Profile 1-3/8" FN)
Grifco	2-1/2" Hydraulic JDC Pulling Tool w/ 1-1/2" MT Box (1-3/4" G-Profile)
Fredricks Machine Shop	2" Mechanical JD Pulling Tool w/ 1" MT Box (Ported)
Fredricks Machine Shop	2" Mechanical JD Pulling Tool w/ 1" MT Box (Ported)
Fredricks Machine Shop	2" Mechanical JD Pulling Tool w/ 1" MT Box (Ported)
Innovative Downhole	2" (1.85" OD) Hydraulic Profile Pulling Tool w/ 1" MT Box (1-3/8" FN)
Innovative Downhole	2" (1.85" OD) Hydraulic Profile Pulling Tool w/ 1" MT Box (1-3/8" FN)
Innovative Design	2" (1.85" OD) Hydraulic Profile Pulling Tool w/ 1" MT Box (1-3/8" FN)
NOV	2" (1.85" OD) Hydraulic Profile Overshot (HD Pulling Tool) w/ 1" MT Box
NOV	2" (1.85" OD) Hydraulic Profile Overshot (HD Pulling Tool) w/ 1" MT Box
NOV	2" Flow Activated Releasable (Slick Catch) Overshot w/ 1" MT Box (1.85" OD)
Innovative Design	2" (1.85" OD) Hydraulic Profile Pulling Tool w/ 1" MT Box (1-3/8" FN)
NOV-PCE	2" (1.85" OD) Hydraulic Profile Overshot (HD Pulling Tool) w/ 1" MT Box
TIC / Fredricks	2" Mechanical JD Pulling Tool w/ 5/8" SR Pin
NOV	2-1/2" Flow Activated Releasable (Slick Catch) Overshot w/ 1" MT Box
NOV	2" (1.85" OD) Hydraulic Profile Overshot (HD Pulling Tool) w/ 1" MT Box
NOV	2 1/2" Hydraulic Profile Overshot w/ 1-1/2" MT Box (1-3/4" FN)
NOV	2 1/2" Hydraulic Profile Overshot w/ 1-1/2" MT Box (1-3/4" FN)
NOV	2 1/2" Hydraulic Profile Overshot w/ 1-1/2" MT Box (1-3/4" FN)
NOV	3" Hydraulic Profile Overshot (HD Pulling Tool) w/ 1-1/2" MT Box (2.313" FN)
NOV	3" Hydraulic Profile Overshot (HD Pulling Tool) w/ 1-1/2" MT Box (2.313" FN)
NOV	3" Hydraulic Profile Overshot (HD Pulling Tool) w/ 1-1/2" MT Box (2.313" FN)
NOV	3" Hydraulic Profile Overshot (HD Pulling Tool) w/ 1-1/2" MT Box (2.313" FN)
NOV	3" Hydraulic Profile Overshot (HD Pulling Tool) w/ 1-1/2" MT Box (2.313" FN)
NOV	2-1/2" Flow Activated Releasable (Slick Catch) Overshot w/ 1" MT Box
NOV	2-1/2" Flow Activated Releasable (Slick Catch) Overshot w/ 1" MT Box
NOV	2" (1.85" OD) Hydraulic Profile Overshot (HD Pulling Tool) w/ 1" MT Box

Manufacture	Description
NOV	3" Flow Activated Releasable (Slick Catch) Overshot w/ 1-1/2" MT Box
JPP	1.844" OD Slick Catch Hydraulic Overshot w/ 1" MT Box
NOV	2-1/2" Flow Activated Releasable (Slick Catch) Overshot w/ 1" MT Box
JPP	1.844" OD Slick Catch Hydraulic Overshot w/ 1" MT Box
NOV	2-1/2" Flow Activated Releasable (Slick Catch) Overshot w/ 1" MT Box
NOV	2-1/2" Flow Activated Releasable (Slick Catch) Overshot w/ 1" MT Box
NOV	2" Flow Activated Releasable (Slick Catch) Overshot w/ 1" MT Box (1.85" OD)
NOV	2-1/2" Flow Activated Releasable (Slick Catch) Overshot w/ 1" MT Box
NOV	2" Flow Activated Releasable (Slick Catch) Overshot w/ 1" MT Box (1.85" OD)
NOV	2" Flow Activated Releasable (Slick Catch) Overshot w/ 1" MT Box (1.85" OD)
NOV	2" Flow Activated Releasable (Slick Catch) Overshot w/ 1" MT Box (1.85" OD)

PULL PLATES, TEST SUBS, PUMP IN SUBS, LIFT SUBS

Manufacture	Description
Tri Tech Machine	Pump In Sub - 2" 1502 WECO Pin x 1-1/4" CS Pin
Tri Tech Machine	Pump In Sub - 2" 1502 WECO Pin x 1"CS Pin
Global Manufacturing	Pump In Sub - 2" 1502 WECO Pin x 1"CS Pin
VOT	2" 1502 X 1" MT Box Ball Catcher
La Cajun Machine	Pull Plate w/2-3/8" PAC Box
La Cajun Machine	Pull Plate w/2-3/8" PAC Box
Northwest Machine	Pull Plate w/2-3/8" PAC Box
NST	Pull Plate w/ 2-3/8" PAC Box
	Pull Plate w/ 2-3/8" PAC Box
	Pull Plate w/ 2-3/8" PAC Box
La Cajun Machine	Pull Plate w/1-1/4" CS Box
La Cajun Machine	Pull Plate w/1-1/4" CS Box
La Cajun Machine	Pull Plate w/1-1/4" CS Box
La Cajun Machine	Pull Plate w/1" CS Box
La Cajun Machine	Pull Plate w/1" CS Box
Hard Metal Advantage	Pull Plate w/1-1/2" MT Box
La Cajun Machine	Pull Plate w/ 1-1/2" MT Box
La Cajun Machine	Pull Plate w/1" MT Box
Tri-Tech Machine	Pull Plate w/ 3/4" MT Box (f/ 1-1/2" Coil)
Tri Tech Machine	Pull Plate w/1" MT Box
La Cajun Machine	Pull Plate w/1" MT Box
La Cajun	Pull Plate w/1" MT Box
La Cajun	Pull Plate w/1" MT Box
NST	Pull Plate w/1" MT Box
NST	Pull Plate w/ 1" MT Box
NST	Pull Plate w/ 1" MT Box
NST	Pull Test Plate w. 1" MT Box
NST	Pull Test Plate w. 1" MT Box
NST	Pull Test Plate w/ 1" MT Box
	Pull Test Plate w/ 1" MT Box

Manufacture	Description
	Pull Test Plate w/ 1" MT Box
NST	Pull Test Sub w/ 3/4" MT Box
La Cajun Machine	Lift Sub w/ 2-3/8" PAC Pin
La Cajun Machine	Lift Sub w/1" MT Pin
La Cajun Machine	Lift Sub w/1" MT Pin
La Cajun Machine	Lift Sub w/1-1/2" MT Pin
La Cajun Machine	Lift Sub w/1" CS Pin
La Cajun Machine	Lift Sub w/1-1/4" CS Pin
La Cajun Machine	Lift Sub w/1-1/4" CS Pin
La Cajun Machine	Lift Sub w/1" CS Pin
Tri-Tech Machine	Lift Sub w/2-3/8" PAC Pin
Tri Tech Machine	Lift Sub w/1" MT Pin
Tri Tech Machine	Lift Sub w/1" MT Pin
NST	Lift Sub w/ 2-3/8" Regular Pin
NST	Lift Sub w/ 2-3/8" Regular Pin
NST	Lift Sub w/ 1" MT Pin
	Lift Sub w/2-3/8" PAC Pin
La Cajun Machine	Pressure Test Sub w/2-3/8" PAC Box
La Cajun Machine	Pressure Test Sub w/1" MT Box
La Cajun Machine	Pressure Test Sub w/1-1/4" CS Box
La Cajun Machine	Pressure Test Sub w/1-1/4" CS Box
	Pressure Test Sub w/1" MT Box
	Pressure Test Sub w/1" MT Box
La Cajun Machine	Pressure Test Sub w/ 1" MT Box
Tri Tech Machine	Pressure Test Sub w/1" MT Pin
Tri Tech Machine	Pressure Test Sub w/1" MT Pin
La Cajun Machine	Pressure Test Sub w/1" MT Box x Box
La Cajun	Pressure Test Sub w/1" MT Box x Box
Gulf Coast	Pressure Test Sub w/2-3/8" PAC Box
La Cajun	Pressure Test Sub w/1" MT Box x Box
NST	Pressure Test Sub w/ 2-3/8" REG Box x 2-3/8" REG Box
La Cajun Machine	Pressure Test Sub w/ 1-1/2" MT Box x 1-1/2" MT Box
NST	Pressure Test Sub w/ 1" MT Box x Pin

TIW, LEAD BLOCKS, BLIND BOXES, MAGNETS

Manufacture	Description
Global Manufacturing	10K TIW Valve w/1-1/4" CS Box x Pin
Global Manufacturing	10K TIW Valve w/1" CS Box x Pin
Global Manufacturing	10K TIW Valve w/1" CS Box x Pin
Global Manufacturing	10K TIW Valve w/1-1/4" CS Box x Pin
Global Manufacturing	10K TIW Valve w/1" CS Box x Pin
Fredericks	3.25" OD Impression Block w/ 2-3/8" PAC Box
Fredericks	3.50" OD Impression Block w/ 2-3/8" PAC Box
Fredericks	4" OD Impression Block w/ 2-3/8" PAC Box

Manufacture	Description
Service Machine	2.70" OD Impression Block w/ 5/8" SR Pin
Service Machine	2.50" OD Impression Block w/ 5/8" SR Pin
TriTech Machine	2.50" OD Impression Block w/ 5/8" SR Pin
TriTech Machine	2.70" OD Impression Block w/ 5/8" SR Pin
Frederick's Machine	2.70" OD Impression Block w/ 3/4" SR Pin
Service Machine	2.25" OD Impression Block w/ 5/8" SR Pin
Service Machine	2.25" OD Impression Block w/ 5/8" SR Pin
Service Machine	2.25" OD Impression Block w/ 5/8" SR Pin
Owen	1.85" OD Impression Block w/ 5/8" SR Pin
TriTech Machine	2.125" OD Impression Block w/ 5/8" SR Pin
TriTech Machine	1.75" OD Impression Block w/ 5/8" SR Pin
TriTech Machine	1.75" OD Impression Block w/ 5/8" SR Pin
TriTech Machine	2.125" OD Impression Block w/ 5/8" SR Pin
Service Machine	2.25" OD Impression Block w/ 5/8" SR Pin
TIC	1.63" OD Impression Block w/ 5/8" SR Pin
Frederick Machine	2.125" OD Impression Block w/ 5/8" SR Pin
EES Inventory	2.25" OD Impression Block w/ 5/8" SR Pin
Fredericks	1.875" OD Impression Block w/ 5/8" SR Pin
TIC	1.63" OD Impression Block w/ 5/8" SR Pin
TriTech Machine	1.75" OD Blind Box w/1" MT Box
La Cajun	2.75" OD Blind Box w/1 1/2" MT Box
La Cajun	1.85" OD Blind Box (ported) w/ 1" MT Box
La Cajun	1.85" OD Blind Box (ported) w/ 1" MT Box
La Cajun	1.85" OD Blind Box w/ 1" MT Box
La Cajun	1.85" OD Blind Box w/ 1" MT Box
Fredericks	1.85" OD Blind Box w/ 1" MT Box
NST	2.25" OD Blind Box w/ 1" MT Box
Cajun Thread & Machine	2.70" OD Blind Box (Ported) w/ 1-1/2" MT Box
La Cajun	2.77" OD Blind Box (ported) w/ 1 1/2" MT Box
La Cajun	2.75" OD Blind Box w/ 1-1/2" MT Box
La Cajun	2.25" OD Blind Box (ported) w/ 1" MT Box
La Cajun	2" OD Blind Box (ported) w/ 1" MT Box
La Cajun	2.25" OD Blind Box (ported) w/ 1" MT Box
Venturi Oil Tools	3.80" OD High Power Fishing Magnet 3/4" SR Pin
Venturi Oil Tools	2.70" OD High Power Fishing Magnet w/ 5/8" SR Pin
Venturi Oil Tools	2.50" OD High Power Fishing Magnet w/ 5/8" SR Pin
Venturi Oil Tools	2.70" OD High Power Fishing Magnet w/ 5/8" SR Pin
Heath	1.75" OD High Power Fishing Magnet w/ 1" MT Box
Heath	1.86" OD High Power Fishing Magnet w/ 1" MT Box
Heath	1.86" OD High Power Fishing Magnet w/ 1" MT Box
Heath	2.25" OD High Power Fishing Magnet w/ 1" MT Box
VOT	1.85" OD High Power Fishing Magnet w/ 5/8" SR Pin
Owen	2.30" OD High Powered Fishing Magnet w/ 5/8" SR Pin
VOT	2.50" OD High Power Fishing Magnet w/ 5/8" SR Pin

Manufacture	Description
Owen	1.25" OD High Powered Mangnet w/ 5/8" SR Pin
VOT	1.69" Concave Magnet w/ 5/8" SR Pin
Thru Tubing Technology	2.062" OD High Power Fishing Magnet w/ 5/8" SR Pin
TTT	2.06" OD High Powered Fishing Magnet w/ 5/8" SR Pin

TAPER TAPS, BOX TAPS, WIRE SPEARS, WIRE GRABS

Manufacture	Description
Shop	1.725" ID x 1.470" OD Taper Tap w/ 5/8" SR Pin
Fredericks	1.86" OD x .625" ID Taper Tap w/ 5/8" SR Pin
STS	1.70" x .72 OD Taper Tap w/ 1" CS Box
STS	1.70" OD Taper Tap w/ 1" CS Box
STS	1.86" OD x .625" ID Taper Tap w/ 5/8" SR Pin
Fredericks	1.86" OD Dye Collar w/ 1" MT Box
In Inventory	2.60" OD Dye Collar w/ 1-1/2" MT Box
Fredericks	3.625" OD Dye Collar w/2-3/8" (3.31"-3.125" Catch)
Fredericks	2.300" OD Cut Lip Box Tap w/ 1" MT Box
Frederick's	1.85" OD Box Tap w/ 1" MT Box
Frederick's	1.86" OD Dye Collar w/ 1" MT Box
Frederick's	1.86" OD Dye Collar w/ 1" MT Box
Frederick's	2.125" OD Box Tap to catch 1" Nom w/ 5/8" SR Pin
Frederick's	1.86" OD Dye Collar w/ 1" MT Box
Frederick's	1.86" OD Dye Collar w/ 1" MT Box
Fredericks Machine	2"-3" Wire Finder Retriever 5/8" SR PIN
Fredericks Machine	1.81" OD Wirefinder Retrever w/ 5/8" SR Pin
Fredericks	2.100" Depth Indicator Tool w/ 5/8" SR Pin
Tri Tech Machine	2.70" OD Double Prong Wire Grab w/1-1/2" MT Box
Tri Tech Machine	2.25" OD Double Prong Wire Grab w/ 1" MT Box
Fredericks Machine	1.84" OD Double Wire Grab w/ 5/8" SR Pin
Fredericks Machine	2.25" OD Double Prong Wire Grab w/ 5/8" SR Pin
Fredericks Machine	2.25" OD Double Prong Wire Grab w/ 1" MT Box
Fredericks Machine	2.25" OD Double Prong Wire Grab w/ 1" MT Box
Fredericks Machine	1.843" OD Double Prong Wire Grab w/ 5/8" SR Pin
Fredericks Machine	2.25" OD Double Prong Wire Grab w/ 1" MT Box
Fredericks Machine	2.25" OD Double Prong Wire Grab w/ 1" MT Box
Fredericks Machine	2.75" OD 4 Prong Wire Grab 3/4" SR Pin
Fredericks Machine	2.75" OD Double Prong Wire Grab w/ 3/4" SR Pin
La Cajun	2.25" OD Double Prong Wire Grab w/ 1" MT Box
Fredericks Machine	1.75" OD Double Prong Wiregrab w/ 1" MT Box
Fredericks Machine	1.75" OD Double Prong Wiregrab w/ 1" MT Box
Fredericks Machine	1.75" OD Double Prong Wiregrab w/ 1" MT Box
Fredericks Machine	1.75" OD Double Prong Wiregrab w/ 1" MT Box
Fredericks Machine	1.85" OD Double Prong Wiregrab w/ 1" MT Box
Fredericks Machine	1.85" OD Double Prong Wiregrab w/ 1" MT Box
Fredericks Machine	1.85" OD Double Prong Wiregrab w/ 1" MT Box

Manufacture	Description
Fredericks Machine	1.85" OD Double Prong Wiregrab w/ 1" MT Box
Fredericks Machine	2.125" OD Double Prong Wiregrab w/ 1" MT Box
Fredericks Machine	2.125" OD Double Prong Wiregrab w/ 1" MT Box
Fredericks Machine	2.125" OD Double Prong Wiregrab w/ 1" MT Box
Fredericks Machine	2.25" OD Double Prong Wiregrab w/ 1-1/2" MT Box
Fredericks Machine	2.25" OD Double Prong Wiregrab w/ 1-1/2" MT Box
Fredericks Machine	2.25" OD Double Prong Wiregrab w/ 1-1/2" MT Box
Fredericks Machine	2.70" OD Double Prong Wiregrab w/ 1-1/2" MT Box
Fredericks Machine	2.70" OD Double Prong Wiregrab w/ 1-1/2" MT Box
Fredericks Machine	1.75" OD Staggered Leg Wiregrab w/ 1" MT Box
Fredericks Machine	1.75" OD Staggered Leg Wiregrab w/ 1" MT Box
Fredericks Machine	1.75" OD Staggered Leg Wiregrab w/ 1" MT Box
Fredericks Machine	1.84" OD Staggered Leg Wiregrab w/ 1" MT Box
Fredericks Machine	1.84" OD Staggered Leg Wiregrab w/ 1" MT Box
Fredericks Machine	2.125" OD Staggered Leg Wiregrab w/ 1" MT Box
Fredericks Machine	2.125" OD Staggered Leg Wiregrab w/ 1" MT Box
Fredericks Machine	2.125" OD Staggered Leg Wiregrab w/ 1" MT Box
Fredericks Machine	2.25" OD Staggered Leg Wiregrab w/ 1-1/2" MT Box
Fredericks Machine	2.25" OD Staggered Leg Wiregrab w/ 1-1/2" MT Box
Fredericks Machine	2.25" OD Staggered Leg Wiregrab w/ 1-1/2" MT Box
Fredericks Machine	2.25" OD Staggered Leg Wiregrab w/ 1-1/2" MT Box
Fredericks Machine	2.25" OD Staggered Leg Wiregrab w/ 1-1/2" MT Box
Fredericks Machine	2.70" OD Staggered Leg Wiregrab w/ 1-1/2" MT Box
Fredericks Machine	2.70" OD Staggered Leg Wiregrab w/ 1-1/2" MT Box
Fredericks Machine	2.70" OD Staggered Leg Wiregrab w/ 1-1/2" MT Box
Fredericks Machine	1.75" OD Staggered Leg Wiregrab w/ 1" MT Box
Fredericks Machine	2.125" Double Prong Wire Grab w/ 1" MT Box
Fredericks Machine	1.84" OD Staggered Leg Wiregrab w/ 1" MT Box
Frederick's Machine	1.843" OD Staggered Leg Wiregrab w/ 1" MT Box
La Cajun	Center Prong w/ 1" MT Box (1.86" OD)
La Cajun	Center Prong Spear w/1' MT Box (3ft Long)
Shop	2.25" OD Double Prong Wire Grab w/ 5/8" SR Pin
Fredericks Machine	1-1/2" OD Corkscrew Wire Grab w/ 5/8" SR Pin
Fredericks Machine	2" OD Cable Grab w/ 1.843" OD Bell Guide w/ 5/8" Sr Pin
Fredericks Machine	1-1/2" OD x 4ft. Corkscrew Wire Grab w/ 5/8" SR Pin
Frederick's Machine	1.625" OD Corkscrew Wire Grab w/ 1" MT Box
Frederick's Machine	2.875" OD Ported Center Prong Spear w/ 2-3/8" PAC Box
Frederick's Machine	2.875" OD Ported Crank Spear w/ 2-3/8" PAC Box
WASH NOZZLES	
Manufacture	Description
La Cajun Machine	1.70" OD Full Bore Wash Nozzle w/1" MT Box
Service Machine	1.50" OD 5 Port Wash Nozzle w/ 3/4" MT Box
	1.25" OD Full Bore Wash Nozzle w/ 3/4" MT Box

Manufacture	Description
	1.25" OD 5 Port Wash Nozzle w/ 3/4" MT Box
Texas	1.50" OD Full Bore Wash Nozzle w/ 3/4" MT Box
Thru Tubing Tech.	1.25" OD 9-Port Wash Nozzle w/ 3/4" MT Box
Thru Tubing Tech.	1.25" OD Full Bore Mule Shoe Wash Nozzle w/ 3/4" MT Box
Thru Tubing Tech.	1.25" OD Full Bore Mule Shoe Wash Nozzle w/ 3/4" MT Box
Thru Tubing Tech.	1.25" OD Full Bore Mule Shoe Wash Nozzle w/ 3/4" MT Box
Thru Tubing Tech.	1.25" OD Full Bore Wash Nozzle w/ 3/4" MT Box
Thru Tubing Tech.	1.25" OD Full Bore Wash Nozzle w/ 3/4" MT Box
HMA/Frontline	1.25" OD Full Bore Wash Nozzle w/ 3/4" MT Box
NST	1.25" OD 5-Port Wash Nozzle w/ 3/4" MT Box
Thru Tubing Tech.	1.25" OD Full Bore Wash Nozzle w/ 3/4" MT Box
Thru Tubing Tech.	1.25" OD 5-Port Wash Nozzle w/ 3/4" MT Box
La Cajun	1.25" OD Full Bore Wash Nozzle w/ 3/4" MT Box
HMA/Frontline	1.25" OD Full Bore Wash Nozzle w/ 3/4" MT Box
NST	1.25" OD 5-Port Wash Nozzle w/ 3/4" MT Box
NST	1.25" OD 5 Port Wash Nozzle w/ 3/4" MT Box
NST	1.25" OD 5-Port Wash Nozzle w/ 3/4" MT Box
La Cajun Machine	5 Port Wash Nozzle w/ 3/4" CS Box
Service Machine	1.50" OD Full Bore Wash Nozzle w/ 3/4" MT Box
Service Machine	1.50" OD Full Bore Wash Nozzle w/ 3/4" MT Box
Service Machine	1.50" OD Full Bore Wash Nozzle w/ 3/4" MT Box
Thru Tubing Tech.	1.50" OD Full Bore Mule Shoe Wash Nozzle w/ 3/4" MT Box
Thru Tubing Tech.	1.50" OD Full Bore Mule Shoe Wash Nozzle w/ 3/4" MT Box
Thru Tubing Tech.	1.50" OD 5 Port Wash Nozzle w/ 3/4" MT Box
Thru Tubing Tech.	1.50" OD Full Bore Mule Shoe Wash Nozzle w/ 3/4" MT Box
Thru Tubing Tech.	1.50" OD 9-Port Wash Nozzle w/ 3/4" MT Box
Thru Tubing Tech.	1.50" OD 9-Port Wash Nozzle w/ 3/4" MT Box
NST	1.50" OD 5 Port Wash Nozzle w/ 3/4" MT Box
NST	1.50" OD 5 Port Wash Nozzle w/ 3/4" MT Box
NST	1.50" OD Full Bore Wash Nozzle w/ 3/4" MT Box
NST	1.50" OD 5-Port Wash Nozzle w/ 3/4" MT Box
NST	1.50" OD 5-Port Wash Nozzle w/ 3/4" MT Box
La Cajun Machine	2.125" OD Wash Nozzle w/1-1/4" CS Box
SHOP	1.75" Packer Picker w/1" CSB
La Cajun Machine	2.125" OD 5 Port Wash Nozzle w/1-1/2" MT Box
La Cajun Machine	2.125" OD Full Bore Wash Nozzle w/1-1/4" CS Box
La Cajun Machine	2.875" OD 5 Port Wash Nozzle w/2-3/87" PAC Box
La Cajun Machine	2.125" OD 5 Port Wash Nozzle w/1-1/4" CS Box
La Cajun Machine	2.125" OD 5 Port Wash Nozzle w/1-1/4" CS Box
La Cajun Machine	2.125" OD 5 Port Jet Wash Nozzle w/1-1/2" MT Box
La Cajun Machine	2.720" OD 5 Port Wash Nozzle w/1-1/4" CS Box
La Cajun Machine	2.50" OD 5 Port Wash Nozzle w/1-1/2" MT Box
La Cajun Machine	2.60" OD 5 Port Wash Nozzle w/1-1/2" MT Box
Tri Tech Machine	2.875" OD Full Bore Wash Nozzle w/ 2-3/8" PAC Box

Manufacture	Description
Tri Tech Machine	2.50" OD Full Bore Wash Nozzle w/1-1/2" MT Box
Tri Tech Machine	Swedge Nozzle w/1-1/2" MT Box
Tri Tech Machine	2.875" OD Mule Shoe w/2-7/8" PAC Box
Tri Tech Machine	2.125" OD 9 Port Jet Wash Nozzle w/1-1/2" MT Box
Tri Tech Machine	2.125" OD 9 Port Jet Wash Nozzle w/1-1/2" MT Box
Tri Tech Machine	1.700" OD Full Port Wash Nozzle w/1" CS Box
Thru Tubing Tech.	2.125" OD 5-Port Wash Nozzle w/1-1/2" MT Box
Tri Tech Machine	2.125" OD 5 Point Wash Nozzle w/ 1-1/2 MT Box
Tri Tech Machine	2.125" OD Full Bore Wash Nozzle w/ 1-1/2 MT Box
Tri Tech Machine	1.70" OD Full Bore Wash Nozzle w/ 1" MT Box
Hard Metal Advantage	2.625" OD 5 Port Nozzle w/1-1/2" MT Box
Hard Metal Advantage	2.625" OD Full Bore Nozzle w/1-1/2" MT Box
Hard Metal Advantage	2.625" OD 5 Port Nozzle w/1-1/2" MT Box
Hard Metal Advantage	2.625" OD Full Bore Nozzle w/1-1/2" MT Box
Tri Tech Machine	1.70" OD Full Bore Wash Nozzle w/ 1" MT Box
LA Cajun Machine	2.75" OD 5 Port Wash Nozzle w/1-1/2" MT Box
LA Cajun Machine	2.75" OD Bull Nose 5 Port Nozzle w/1-1/2" MT Box
LA Cajun Machine	1.25" OD 5-Port Wash Nozzle w/ 3/4" MT Box
La Cajun	2" OD Full Bore Nozzle w/1-1/2" MT Box
La Cajun	2.125" OD 5 Port Wash Nozzle w/ 1-1/2" MT Box
La Cajun	2.125" OD 5-Port Wash Nozzle w/ 1-1/2" MT Box
La Cajun	2.125" OD 5 Port Wash Nozzle w/ 1-1/2" MT Box
La Cajun	2.125" OD 5 Port Wash Nozzle w/ 1-1/2" MT Box
Coil Tubing Rental	2.125" OD Full Bore Wash Nozzle w/ 1-1/2 MT Box
La Cajun	2.125" OD Full Bore Wash Nozzle w/ 1-1/4" CS Box
La Cajun	2.125" OD Full Bore Wash Nozzle w/ 1-1/4" CS Box
La Cajun	2.125" OD Full Bore Wash Nozzle w/ 1-1/4" CS Box
La Cajun	2.125" OD 5-Port Wash Nozzle w/ 1-1/4" CS Box
La Cajun	2.125" OD 5-Port Wash Nozzle w/ 1-1/4" CS Box
La Cajun	2.125" OD 5-Port Wash Nozzle w/ 1-1/4" CS Box
La Cajun	2.875" OD Full Bore Wash Nozzle w/ 2-3/8" PAC Box
HMA	2.25" OD Mule Shoe Wash Nozzle w/ 1" MT Box
NST	2.50" OD Packer Picker Wash Nozzle w/1" MT Box
NST	3" OD Packer Picker Wash Nozzle w/ 1" MT Box
NST	3.125" OD Full Bore Wash Nozzle w/ 2-3/8" Reg Box (Body - 3.125" OD x 1.0" ID x 8.5" Long)
NST	3.125" OD 5 Wash Nozzle w/ 2-3/8" Reg Box (Body - 3.125" OD x 1.0" ID x 8.5" Long)
LA Cajun Machine	2-1/4" OD Full Bore Wash Nozzle w/ 1" MT Box
NST	2.50" OD 5 Port Packer Picker w/ 1" MT Box
NST	3-1/4" OD 5 Port Wash Nozzle w/ 2-3/8" PAC Box
NST	4.30" OD 5 Port Wash Nozzle w/ 2-3/8" PAC Box
LA Cajun Machine	3.875" OD Packer Picker Nozzle w/ 2-3/8" PAC Box
NST	3.50" OD 5 Port Packer Picker w/ 1-1/2" MT Box

Manufacture	Description
NST	1.69" OD Full Bore Wash Nozzle w/ 1" MT Box
NST	1.75" OD Mule Shoe Wash Nozzle w/ 1" MT Box
LCM	1.86" OD 5 Port Wash Nozzle w/ 1" MT Box
NST	1.69" OD 5 Port Wash Nozzle w/ 1" MT Box
NST	1.700" OD 5 Port Wash Nozzle w/ 1" MT Box
LCM	1.69" OD 5 Port Wash Nozzle w/ 1" MT Box
NST	1.69" OD 5 Port Wash Nozzle w/ 1" MT Box
LA Cajun Machine	1.75" OD 5 Port Wash Nozzle w/ 1" MT Box
NST	1.75" OD 5-Port Wash Nozzle w/ 1" MT Box
NST	1.75" OD Full Bore Wash Nozzle w/ 1" MT Box
NST	1.75" OD 5-Port Wash Nozzle w/ 1" MT Box
NST	1.70" OD 5 Port Blast Wash Nozzle w/ 1" MT Box
NST	1.70" OD Full Bore Wash Nozzle w/1" MT Box
NST	1.70" OD 5 Port Blast Wash Nozzle w/ 1" MT Box
NST	1.70" OD 5 Port Blast Wash Nozzle w/ 1" MT Box
NST	1.70" OD Full Bore Wash Nozzle w/1" MT Box
Tri Tech Machine	1.75" OD Solid Bull Nose Nozzle w/ 1" MT Box
Inventory	1.75" OD Side Port Jet Nozzle w/ 1" MT Box
La Cajun	1.90" OD Full Bore Wash Nozzle w/ 1" CS Box
HMA	2" OD Full Bore Wash Nozzle w/1"MT Box
La Cajun	1.70" OD Bull Nose Side Port Nozzle w/ 1" MT Box
La Cajun	1.70" OD Full Bore Wash Nozzle w/1" MT Box
La Cajun	1.70" OD Full Bore Wash Nozzle w/1" MT Box
LA Cajun Machine	1.85" OD Full Bore Wash Nozzle w/1" MT Box
Tri Tech Machine	1.70" OD 5-Port Wash Nozzle w/ 1" CS Box
Shop / No#	1.25" OD 5-Port Wash Nozzle (.190) w/1" MT Box
Shop / No#	1.25" OD 5-Port Wash Nozzle (.190) w/1" MT Box
Shop / No#	1.25" OD 5-Port Wash Nozzle (.190) w/1" MT Box
Shop / No#	1.50" OD Full Bore Wash Nozzle (.750) w/1" MT Box
Shop / No#	1.50" OD Full Bore Wash Nozzle (.750) w/1" MT Box
Shop / No#	1.50" OD Full Bore Wash Nozzle (.750) w/1" MT Box
Shop / No#	1.50" OD Full Bore Wash Nozzle (.750) w/1" MT Box
Shop / No#	1.75" OD 5-Port Wash Nozzle (.25) w/1" MT Box
Shop / No#	1.50" OD 5-Port Wash Nozzle (.190) w/1" MT Box
Thru Tubing Tech.	1.70" OD Full Bore Wash Nozzle w/1" MT Box
La Cajun Machine	1.70" OD 5 Port Wash Nozzle w/1" CS Box
La Cajun Machine	1.70" OD 5 Port Wash Nozzle w/1" CS Box
NST	1.70" OD Full Bore Wash Nozzle w/1" MT Box
La Cajun Machine	1.70" OD Full Bore Wash Nozzle w/1" MT Box
CTR	1.69" OD Spinning Wash Nozzle w/ 1" MT Box

OVERSHOTS AND GUIDES

Manufacture	Description
Sonny	3-5/8" OD (Series 150) Overshot w/2-3/8" PAC Pin

Manufacture	Description
Logan/Tri-Tech	3-5/8" OD (Series 150) Overshot w/2-3/8" 8rd Box
Logan Oil Tools	1-29/32" (Series 10) Bowen Overshot w/1" MT Box (#9342)
Logan Oil Tools	2-1/4" Overshot Extension
Logan Oil Tools	2-5/16" x 24" Overshot Extension
Logan Oil Tools	3-7/8" OD Overshot Cut Lip Guide
Logan Oil Tools	2-1/4" OD Overshot Extension (2' Long)
Logan Oil Tools	2-1/4" OD Overshot Extension (2' Long)
Logan Oil Tools	1-29/32" (Series 10) Bowen Overshot w/1" MT Box (#9342)
Logan Oil Tools	2-1/4"(Series 10) Overshot w/ 1" MT Box (#16072)
Logan Oil Tools	2-5/8" x 24" Overshot Extension
Logan Oil Tools	1-27/32" OD Overshot
Logan Oil Tools	2-5/8" Overshot Cut Lip Guide
Tri Tech Machine	3 5/8" (Series 150) Overshot w/2-7/8" CS Box
Logan Oil Tools	1-27/32" (Series 10) Overshot w/ 1" MT Box (#36436)
Logan Oil Tools	1-3/8" (Series 20) Overshot w/ 5/8" SR Pin
Logan Oil Tools	2-1/8" (Series 10) Overshot w/1" MT Box (#22768)
Logan Oil Tools	2-1/8" (Series 10) Overshot w/1" MT Box (#22768)
Logan Oil Tools	2-1/8" (Series 10) Overshot w/1" MT Box (#22768)
Logan Oil Tools	2-1/8" (Series 10) Bowen Overshot (Cut Down to 2.07)
Logan Oil Tools	2-1/8" (Series 10) Overshot w/1" MT Box (#22768)
Logan Oil Tools	2-1/8" (Series 10) Overshot w/1" MT Box (#22768)
Logan Oil Tools	2-1/8" (Series 10) Short Catch Overshot w/ 1" MT Box (#27766)
Logan Oil Tools	1-27/32" (Series 10) Overshot w/ 1" MT Box (#36436)
Logan Oil Tools	2-1/8" (Series 10) Overshot w/1-1/2" MT Box (#22768)
Logan Oil Tools	2-1/4" (Series 10) Overshot w/ 1" MT Box (#16072)
Logan Oil Tools	1-5/8" OD (Series 20) Overshot w/ 5/8" SR Pin
Logan Oil Tools	3-5/8" (Series 150) Overshot w/2-3/8" PAC Box
NST	5.875"OD " Bell Guide for 4-1/8" Overshot (turn down from a 6"OD)
Logan Oil Tools	4-1/8" (Series 150) Overshot w/ 2-3/8" Reg Box (#)
Logan Oil Tools	3-5/8" OD Cut Lip Guide
Logan	4-11/16" Overshot w/ 2-7/8" PH6
Rubicon	3-3/4" OD (Series 150) Overshot w/ 2-3/8" Reg Box
Rubicon	3-3/4" OD (Series 150) Cutlip Guide
Rubicon	3-5/8" OD (series 150) Cutlip Guide
Rubicon	3-5/8" Ser 150 Overshot Lower Extension
Rubicon	3-3/4" Ser 150 HP Packoff (10 KPSI) w/ OS Box x Pin
NST	3-3/4" Ser 150 Overshot w/ 2-3/8" CS Box
Logan Oil Tools	3-3/4 Over Shot (SC)
Logan Oil Tools	2-1/8" x 1.50" x 24" Overshot Extention
Logan Oil Tools	1-29/32" (Series 20) Short Catch Overshot w/1" MT Box (#11556)
Logan Oil Tools	2-5/8" (Series 150) Overshot w/1-1/2" MT Box (#10201)
Logan Oil Tools	2-5/8" (Series 150) Overshot w/1-1/2" MT Box (#10201)
Logan Oil Tools	2-1/4" (Series 20) Short Catch Overshot w/ 1" MT Box (#47464)
Logan Oil Tools	2-1/4" (Series 20) Short Catch Overshot w/ 1" MT Box (#47464)

Manufacture	Description
LA Cajun	2.125" OD Hillside Control Pack Off Guide f/ 1-29/32" Overshot
Logan Oil Tools	1-29/32" x 24" (Series 150) Overshot Extension
Logan Oil Tools	2-1/8" (Series 10) Overshot w/ 1-1/4" CS Box (#27766)
Rubicon	2-1/8" OD (Series 10) Overshot w/ 1" MT Box
Logan Oil Tools	2-1/4" (Series 20) Short Catch Overshot w/ 1" MT Box (#47464)
Logan Oil Tools	1-27/32" x 1' (Series 10) Overshot Extension
Logan Oil Tools	1-27/32" x 1.5' (Series 10) Overshot Extension
Logan Oil Tools	1-27/32" (Series 10) Overshot w/ 1" MT Box (#36436)
Logan Oil Tools	1-29/32" (Series 10) Overshot w/ 1-1/4" CS Box (#9342)
Logan Oil Tools	1-27/32" (Series 10) Overshot w/ 1" MT Box (#36436)
Logan Oil Tools	1-27/32" (Series 10) Overshot w/ 1" MT Box (#36436)
Logan Oil Tools	2-1/4" (Series 10) Overshot w/ 1" MT Box (#16072)
Logan Oil Tools	1-25/32" (Series 10) Overshot w/ 1" MT Box (#13942)
Logan Oil Tools	1-25/32" (Series 10) Overshot w/ 1" MT Box (#13942)
LA Cajun	1.86" OD Hillside Guide f/ 1-27-32" Overshot
LA Cajun	1.86" OD Hillside Guide f/ 1-27-32" Overshot
Logan Oil Tools	1-25/32" OD x 12" (Series 10) Overshot Extension
Logan Oil Tools	1-25/32" OD x 12" (Series 10) Overshot Extension
Logan Oil Tools	1-25/32" OD x 18" (Series 10) Overshot Extension
Rubicon	2-1/4" OD (Series 10) Overshot w/ 1" MT Box
NST	1.86" OD Hillside Guide
NST	1.86" OD Hillside Guide

1-1/2" MT MILLS

Manufacture	Description
	5 Blade Mill w/ 1-1/2" MT Pin
	Tapered Mill w/ 1-1/2" MT Pin
	5 Blade Mill w/ 1-1/2" MT Pin
	5 Bladed Inserted Mill w/ 1-1/2" MT Pin
	5 Bladed Mill w/ 1-1/2" MT Pin
Halford Mills	1-3/4" OD Pilot Mill w/1-1/2" MT Pin
Halford Mills	Tapered Mill w/1-1/2" MT Pin
Halford Mills	5 Bladed Mill w/1-1/2" MT Pin
	5 Bladed Mill w/1-1/2" MT Pin
	Tapered Mill w/1-1/2" MT Pin
	Tapered Mill w/1-1/2" MT Pin
	Tapered Mill w/1-1/2" MT Pin
	Watermelon Mill w/1-1/2" MT Conn.
Halford Mills	2.50" OD Step Mill w/1-1/2" MT Pin
Hard Metal Advantage	Watermelon Mill w/1-1/2 MT Conn.
Hard Metal Advantage	PILOT MILL FOR 2.813 X-LOCK, 1-1/2" MTB
TriTech / HMA	PILOT MILL FOR 2.813 X-LOCK, 1-1/2" MTB
SHORT BITS	2.725" OD PDC Step Mill w/ 1-1/2" MT Pin
Hard Metal Advantage	2.20" OD Pilot Mill w/2.70" OD Stop w/1-1/2" MT Pin
STS Mill (W&T)	2.75" OD PDC Step Mill w/1-1/2" MT Pin

Manufacture	Description
	5 Blade Mill w/ 1-1/2" MT Pin
Hard Metal Advantage	Excalibur Mill w/ 1-1/2" MT Pin
Hard Metal Advantage	5 Bladed Ins. Mill w/ 1-1/2" MT Pin
Hard Metal Advantage	Watermelon Mill w/ 1-1/2" MT Conn.
Hard Metal Advantage	2.72"OD Tiger Tapered Mill w/ 1-1/2" MT Pin
Hard Metal Advantage	5 Bladed Ins. Mill w/ 1 1/2" MT Pin
Hard Metal Advantage	2.5" Tiger Taper Mill w/11-2" MTB HT-98724
Hard Metal Advantage	2.75" OD Inserted Step Mill w/ 1-1/2" MT Pin
Hard Metal Advantage	2.60" OD 5 Blade Inserted Step Mill w/ 1-1/2" MT Pin
Hard Metal Advantage	2.40" OD 5-Blade Inserted Step Mill w/ 1-1/2" MT Pin
Hard Metal Advantage	2.50" OD 5-Blade Inserted Step Mill w/ 1-1/2" MT Pin
Hard Metal Advantage	Inserted Watermelon Mill w/ 1-1/2" MT Conn
Hard Metal Advantage	Inserted Tapered Mill w/ 1-1/2" MT Pin
Hard Metal Advantage	Watermelon Mill w/ 1-1/2" MT Conn
Hard Metal Advantage	5 Bladed Inserted Mill w/ 2-3/8" PAC Pin
HMA	3-Blade Mill w/ 1-1/4" CS Box
HMA	4-Blade Mill w/ 1-1/4" CS Box
HMA	4-Blade Mill w/ 1-1/4" CS Box
HMA	5 Blade Inserted Mill w/ 1-1/2" MT Pin
HMA	5 Bladed Mill w/1-1/2" MT Pin
HMA	5 Bladed Mill w/1-1/2" MT Pin
HMA	Tapered Mill w/ 1-1/2" MT Pin
HMA	Tapered Mill w/ 1-1/2" MT Pin
HMA	Tapered Mill w/ 1-1/2" MT Pin
HMA	2.700" OD Tiger Taper Mill w/ 1-1/2" MT Pin
HMA	2.800" OD Tiger Taper Mill w/ 1-1/2" MT Pin
HMA	Tapered Mill w/ 1-1/2" MT Pin
HMA	2.500" OD Tiger Taper Mill w/ 1-1/2" MT Pin
HMA	2.75" OD Tiger Inserted Taper Mill w/ 1-1/2" MT Pin
HMA	5 Blade Inserted Mill w/ 1" MT Pin
HMA	5 Blade Inserted Mill w/ 1-1/2" MT Pin
HMA	5 Blade Inserted Mill w/ 1-1/2" MT Pin
HMA	5 Blade Inserted Mill w/ 1-1/2" MT Pin
HMA	Watermelon Mill w/ 1" MT Box x Pin
HMA	Watermelon Mill w/ 1" MT Box x Pin
HMA	Watermelon Mill w/ 1-1/2" MT Box x Pin
HMA	Watermelon Mill w/ 1-1/2" MT Box x Pin
HMA	Watermelon Mill w/ 1-1/2" MT Box x Pin
HMA	Watermelon Mill w/ 1-1/2" MT Box x Pin
HMA	Watermelon Mill w/ 1-1/2" MT Box x Pin
HMA	2.700" OD Stop x 2.2" Inserted Stem Pilot Mill w/ 1-1/2" MT Pin
HMA	2.54" OD Inserted Starbide Backed Step Mill w/ 1-1/2" MT Pin
HMA	2.70" OD x 1.800" Inserted Stem Pilot Mill w/ 1-1/2" MT Pin
HMA	Carbide Taper Mill (Baker Style) w/ 1-1/2" MT Pin

Manufacture	Description
HMA	Carbide Taper Mill (Baker Style) w/ 1-1/2" MT Pin
Short Bit	2.90" OD MDX Diamond Mill w/ 1-1/2" MT Pin
Short Bit	2.90" OD MDX Diamond Mill w/ 1-1/2" MT Pin
Short Bit	2.95" OD MDX Diamond Mill w/ 1-1/2" MT Pin
Short Bit	2.95" OD MDX Diamond Mill w/ 1-1/2" MT Pin
HMA	Tapered Mill w/ 1-1/2" MT Pin
HMA	2.50" Tiger Tapered Inserted Mill w/ 1-1/2" MT Pin
HMA	Tapered Mill w/ 1" MT Pin
HMA	Tiger Inserted Tapered Mill w/ 1" MT Pin
Varel	2.625" OD Walker McDonald 1-1/2" MT Pin
Varel	2.625" OD Walker McDonald 1-1/2" MT Pin
HMA	2.70" OD x 2.25" OD Pilot Mill
HMA	2.75" OD x 2.25" OD Pilot Mill 1-1/2" MT
HMA	2.85" ROD Insert String Mill
Short Bit	2.50" OD MS Diamond Mill w/ 1" MT Pin
HMA	Carbide Long Taper Mill (Baker Style) w/ 1-1/2" MT Pin
HMA	Carbide Long Taper Mill (Baker Style) w/ 1-1/2" MT Pin
Shop	2.85" OD Walker McDonald Mill w/ 1-1/2" MT Pin
HMA	3 Bladed Inserted Mill w/ 2-1/16" CS Box
HMA	3 Bladed Inserted Mill w/ 2-1/16" CS Box
HMA	3 Bladed Inserted Mill w/ 2-1/16" CS Box
HMA	5 Blade Inserted Mill w/ 1-1/2" MT Pin
HMA	Tiger Inserted Step Mill w/ 1-1/2" MT Pin (Body - 3.00" OD)
HMA	Tiger Inserted Step Mill w/ 1-1/2" MT Pin (Body - 3-1/4" OD)
HMA	Tiger Inserted Step Mill w/ 1-1/2" MT Pin (Body - 3.40" OD)
HMA	Inserted Step Mill w/ 1-1/2" MT Pin (2.50" OD)
HMA	Inserted Step Mill w/ 1-1/2" MT Pin (Body - 2.50" OD x .68 ID x 1.3 Long)
HMA	Inserted Step Mill w/ 1-1/2" MT Pin (Body - 2.50" OD x .71 ID x 1.3 Long)
HMA	Inserted Step Mill w/ 1-1/2" MT Pin (Body - 3.55" OD x ? ID x ? Long)
HMA	Inserted Step Mill w/ 1-1/2" MT Pin (Body - 3.55" OD x ? ID x ? Long)
HMA	Inserted Step Mill w/ 1-1/2" MT Pin (Body - 2.80" OD x ? ID x ? Long)
HMA	Inserted Step Mill w/ 1-1/2" MT Pin (Body - 2.80" OD x ? ID x ? Long)
HMA	Inserted Step Mill w/ 1-1/2" MT Pin (Body - 3.40" OD x 1" ID x 1.30' Long)
HMA	Tiger Inserted Step Mill w/ 1-1/2" MT Pin (Body - 3.00" OD x .75" ID x 1.33" Long)
HMA	Tiger Inserted Step Mill w/ 1-1/2" MT Pin (Body - 3.250" OD x .75" ID x 1.33' Long)
HMA	Tiger Inserted Step Mill w/ 1-1/2" MT Pin (Body - 3.125" OD x .75" ID x 1.25' Long)
HMA	Tiger Inserted Step Mill w/ 1-1/2" MT Pin (Body - 3.250" OD x .75" ID x 1.25' Long)
HMA	Tiger Inserted Step Mill w/ 1-1/2" MT Pin (Body - 3.150" OD x .98" ID x 1.30' Long)
HMA	Tiger Inserted Step Mill w/ 1-1/2" MT Pin (Body - 2.75" OD x .738" ID x 1.20' Long)
HMA	2.5" OD Inserted Round Nose Mill w/ 1-1/2" MT Pin
HMA	2.75" OD 4 Bladed Inserted Step Mill w/ 1-1/2" MT Pin
Short Bit	2.75" OD MX Diamond Mill w/ 1-1/2" MT Pin
Halford Mill	Pirahna Inserted w/1-1/4" CS Box

Manufacture	Description
LARGE WASHPIPE SHOES	
Manufacture	Description
Halford Milling	4.50" OD x 3.85" ID x 10' Long Washpipe N-80 w/4.50" FJWP Box x Pin
HMA	Washpipe Shoe w/ 4.50" FJWP Box (Body - 4.50" OD x 3.85" ID
HMA	Washpipe Shoe w/ 4.50" FJWP Box (Body - 4.50" OD x 3.85" ID
HMA	Washpipe Shoe w/ 4.50" FJWP Box (Body - 4.50" OD x 3.85" ID
NST	Shoe w/ 5-3/4" FJWP Box (Body - 5-3/4" OD x 4.875" ID x 4' Long)
NST	Shoe w /5-3/4" FJWP Box (Body - 5-3/4" OD x 4.875" ID x 4' Long)
NST	Washpipe Shoe w/ 4.50" FJWP Box (Body - 4.50" OD x 3.85" ID
NST	Washpipe Shoe w/ 4.50" FJWP Box (Body - 4.50" OD x 3.85" ID
5-3/4" OVERSHOT	
Manufacture	Description
Logan Oil Tools	5-3/4" Overshot Extension
Logan Oil Tools	8" OD Cut Lip Guide f/ 5-3/4" Overshot
Logan Oil Tools	5-3/4" (Series 150) Overshot w/ 3-1/2" IF Box (#8976)
Logan Oil Tools	9-5/8" OD (Series 150) Cut Lip Guide
NST	9-1/4" OD Cut Lip Guide f/ 5-3/4" Series 150 Overshot
Logan Oil Tools	5-3/4" Overshot Extension
Logan Oil Tools	5-3/4" OD x 36" Long (Series 150) Overshot Extension
Logan Oil Tools	5-3/4" Overshot Extension
Logan Oil Tools	5-3/4" OD (Series 150) Overshot Cut Lip Guide (6121)
NST	5 3/4" Hillside Guide f/ Kilo Overshot
1" MT MILLS	
Manufacture	Description
	Walker McDonald Mill w/ 1" MT Pin
	4 Blade Mill w/ 1" MT Pin
	5 Blade Mill w/ AW Rod Pin
	3 Blade Junk Mill w/ 1" MT Pin
	4 Blade Mill w/ 1" MT Pin
	5 Bladed Inserted Mill w/ 1" MT Pin
	5 Blade Mill w/ 1" MT Pin
Halford Mills	1-3/8" OD Pilot Mill w/ 1" MT Pin
	3 Blade Mill w/1" MT Pin
	5 Bladed Mill w/1" MT Pin
Hard Metal Mills	1.875" OD Hollow Mill w/1" MT Pin
Halford Mill	Concave Mill w/1" MT Pin
	Pilot Mill, 1" MT, 1.85" x 1.315"
TriTech / Hard Metal Advantage	2.31" OD Pilot Mill w/1" MT Pin
Hard Metal Advantage	PILOT MILL, 1" MTP, 1.865 OD BODY, 1" OD PILOT, .300 ID PILOT, BRASS PAD, FOR DRESSING COIL

Manufacture	Description
Hard Metal Advantage	PILOT MILL, 1" MTP, 2.125 OD BODY, 1" OD PILOT, .300 ID PILOT, BRASS PAD, FOR DRESSING COIL
Hard Metal Mills	5 Blade Inserted Mill w/1" MT Pin
Hard Metal Advantage	3 Bladed Junk Mill w/1" MT Pin
Hard Metal Advantage	2.50" OD Walker McDonald Mill w/1" MTB
Hard Metal Advantage	2.125" OD Walker McDonald Mill w/1" MTB
Hard Metal Advantage	1.86" OD Walker McDonald Mill w/1" MT Pin
Hard Metal Advantage	2.50" OD Walker McDonald Mill w/1" MT Box
Hard Metal Advantage	1.60" OD Body x 1"OD Pilot Mill w/1" MT Box
Hard Metal Advantage	Round Nose Mill w/1" MT Pin
Hard Metal Advantage	2.25" OD Walker McDonald Mill w/1" MT Pin
Hard Metal Advantage	3 Blade Insert Concave Mill w/1" MT Pin
HMA	3 Blade Mill w/ 1" MT Pin
HMA	4 Bladed Mill w/ 1" MT Pin
HMA	5 Bladed Mill w/ 1" MT Pin
HMA	5 Bladed Mill w/ 1" MT Pin
HMA	5 Bladed Mill w/ 1" MT Pin
HMA	4 Bladed Mill w/ 1" MT Pin
HMA	1.86" OD Walker McDonald Mill w/ 1" MT Pin
HMA	2.125" OD Inserted Step Mill w/ 1" MT Pin
HMA	2" OD Inserted Step Mill w/ 1" MT Pin
HMA	1.73" OD Walker McDonald w/ 1" MT Pin
KC Bit	1.85" Walker McDonald Mill w/ 1" MT Pin
HMA	2.300" OD Inserted Step Mill w/ 1" MT Pin
Hard Metal Advantage	3-Blade Concave Mill w/1" MT Pin
Hard Metal Advantage	4-Blade Inserted Mill w/1" MT Pin
	5 Bladed Inserted Mill w/ 1-1/2" MT Pin
HMA	5 Blade Inserted Mill w/ 1" MT Pin
HMA	5 Blade Inserted Mill w/ 1" MT Pin
HMA	3 Blade Inserted Funnel Mill w/ 1" MT Pin
HMA	Piranna Inserted Mill w/ 1" MT Pin
HMA	Piranna Inserted Mill w/ 1" MT Pin
HMA	1.72" OD 5 Blade Inserted (1.600" Body) Mill w/ 1" MT Pin
HMA	2.50" OD x 1.800" x 10" Inserted Stem Pilot Mill w/ 1" MT Pin
HMA	2.50" OD x 1.800" x 10" Inserted Stem Pilot Mill w/ 1" MT Pin
HMA	2.300" OD x 1.800" x 5" Inserted Stem Pilot Mill w/ 1" MT Pin
HMA	5 Blade Inserted Mill w/ 1" MT Pin (1.600" OD Body)
HMA	4 Bladed Inserted Mill w/ 1" MT Pin
HMA	1.85" x 1.20" Pilot Mill w/ 1" MT Pin
HMA	5 Bladed Inserted Mill w/ 1" MT Pin
HMA	4 Bladed Mill w/ 1-1/4" MT Box 2" Body
HMA	5 Bladed Inserted Mill w/ 1" MT Pin
GCI	2.125" OD Walker McDonald Mill w/1" MTB
HMA	1.75" OD 5 Bladed Inserted Mill w/ 1" MT Pin

Manufacture	Description
HMA	5 Blade Inserted Mill w/ 1" MT Pin
HMA	3 Blade Mill w/ 1" MT Pin
HMA	3 Blade Inserted Mill w/ 1" MT Pin
HMA	4 Blade Inserted Mill w/ 1" MT Pin
HMA	5 Blade Inserted Mill w/ 1" MT Pin
HMA	3 Blade Inserted Mill w/1" MT Pin
Short Bit	SXR Pilot Mill w/ 1" MT Pin (Body - 1.25" OD x 3" Long Stem 1.85" Stop)
Short Bit	SXR Pilot Mill w/ 1" MT Pin (Body - 1.25" OD x 3" Long Stem 1.85" Stop)
HMA	Profile Mill w/ 1" MT Pin (Body - 2.5" Stop w/ 1.85" x .14' Stem)
HMA	Pilot Mill w/ 1" MT Pin (Body - 14.85" OD x 19.5" OAL)
HMA	Dress Off Mill w/ 1" MT Pin x 1-1/4" CS Pin (Body - 1.86" OD x .625" ID x 1.17" Long)
HMA	Dress Off Mill w/ 1" MT Pin x 1-1/4" CS Pin (Body - 1.86" OD x .625" ID x 1.17" Long)
HMA	Pilot Mill w/ 1" MT Pin (Body - 1.55" OD x .63" ID x .67" Length)
HMA	5 Blade Inserted Step Mill w/ 1" MT Pin (Body - 1.84" OD x .62 ID x .94 Long)
HMA	Hollow Mil w/ 1" MT Pin (Body - 1.875" OD x .62 ID x 10" Long)
HMA	Pilot Mill w/ 1" MT Pin (Body - 1.69" OD x .62 ID x 12" Long)
HMA	2.30" OD Walker McDonald Mill w/ 1" MT Pin
HMA	Dress Off Mill w/ 1" MT Pin x 1-1/4" CS Pin (Body - 1.86" OD x .625" ID x 1.17" Long)
HMA	1.69" OD Dressed Stinger Mill
HMA	1.69" OD Dressed Stinger Mill
HMA	1.75" OD 5 Blade Inserted Mill w/ 1" MT Pin
HMA	1.80" OD 5 Blade Inserted Mill w/ 1" MT Pin
HMA	1.865" OD 5 Blade Inserted Mill w/ 1" MT Pin
HMA	2" OD 5 Blade Inserted Mill w/ 1" MT Pin
HMA	2.250" OD 5 Blade Inserted Mill w/ 1" MT Pin
HMA	2.300" OD 5 Blade Inserted Mill w/ 1" MT Pin
HMA	1.75" OD 5 Blade Inserted Mill w/ 1" MT Pin
HMA	1.86" OD Round Nose Inserted Mill w/ 1" MT Pin
HMA	1.86" OD Round Nose Inserted Mill w/ 1" MT Pin
HMA	1.85" OD 5 Blade Inserted Mill w/ 1" MT Pin

1" MT MILLS, TAPERED, STRING, SPECIALTY

Manufacture	Description
	Watermelon Mill w/ 1" MT Conn.
	Watermelon Mill w/1-1/2" MT Conn.
	Watermelon Mill w/1" MT Conn.
Halford Mill	Watermelon Mill w/1" MT Conn
SHORT BITS	2.30" OD PDC Step Mill w/1" MT Pin
SHORT BITS	2.30" OD PDC Step Mill w/1" MT Pin
Halford Mill	2.375" OD Bear Claw Mill w/AW Rod Pin
SHORT BITS	1.85" OD PDC Step Mill, 1" MT Pin

Manufacture	Description
SHORT BITS	2" OD Diamond Mill w/1" MT Pin
Short Bit	2.180" OD MDX Diamond Mill w/ 1" MT Pin
Hard Metal Advantage	Watermelon Mill w/1" MT Conn
Hard Metal Advantage	Watermellon Mill w/ 1" MT Box x Pin
Hard Metal Advantage	Inserted Watermellon Mill w/ 1" MT Conn.
Hard Metal Advantage	Watermelon Mill w/1" MT Conn.
Hard Metal Advantage	2.25" OD Taper Mill w/1" MT Pin
Hard Metal Advantage	2.25" OD Taper Mill w/1" MT Pin
GCI	2.30" OD MDX Diamond Mill w/1" MT Pin
GCI	2.10" OD Chomp PDC Mill w/1" MT Pin
GCI	2.30" OD Chomp PDC Mill w/1" MT Pin
Shop	Watermelon Mill w/ 1" MT Box x Pin
KC Bit	2.125" OD Hurricane Mill w/ 1" MT Pin
HMA	Taper Mill w/ 1" Pin
Short Bit	1.86" OD MZ w/ 1" MT Pin
Short Bit	2.00" OD MZ w/ 1" MT Pin
Short Bit	2.00" OD MZ w/ 1" MT Pin
Short Bit	2.00" OD MS w/ 1" MT Pin
Short Bit	2.00" OD MDX w/ 1" MT Pin
Short Bit	2.125" OD MZ Mill w/ 1" MT Pin
Short Bit	2.125" OD MZ Mill w/ 1" MT Pin
Short Bit	2.125" OD MS Mill w/ 1" MT Pin
Short Bit	2.125" OD MDX Mill w/ 1" MT Pin
Short Bit	2.25" OD MZ Mill w/ 1" MT Pin
Short Bit	2.25" OD MZ Mill w/ 1" MT Pin
Short Bit	2.25" OD MS Mill w/ 1" MT Pin
Short Bit	2.25" OD MS Mill w/ 1" MT Pin
Short Bit	2.25" OD MS Mill w/ 1" MT Pin
Short Bit	2.300" OD MZ Mill w/ 1" MT Pin
Short Bit	2.50" OD MZ Mill w/ 1" MT Pin
Short Bit	2.500" OD MS Mill w/ 1" MT Pin
Short Bit	2.500" OD MDX Mill w/ 1" MT Pin
Short Bit	1.86" OD SP Mill w/ 1" MT Pin
Short Bit	1.86" OD SP Mill w/ 1" MT Pin
Short Bit	1.86" OD SP Mill w/ 1" MT Pin
Short Bit	1.86" OD SPT PDC Step Mill w/ 1" MT Pin
Short Bit	2.00" OD SP Mill w/ 1" MT Pin
Short Bit	2.00" OD SP Mill w/ 1" MT Pin
Short Bit	2.00" OD SPT PDC Step Mill w/ 1" MT Pin
Short Bit	2.125" OD SP Mill w/ 1" MT Pin
Short Bit	2.125" OD SP Mill w/ 1" MT Pin
Short Bit	2.125" OD SPT PDC Step Mill w/ 1" MT Pin
Short Bit	2.300" OD SP Mill w/ 1" MT Pin
Short Bit	2.300" OD SPT PDC Step Mill w/ 1" MT Pin
Short Bit	2.500" OD SP Mill w/ 1" MT Pin

Manufacture	Description
Short Bit	2.500" OD SP Mill w/ 1" MT Pin
Short Bit	2.500" OD SPT PDC Step Mill w/ 1" MT Pin
Shop / Short Bit	2.25" OD MS Diamond Mill w/1" MT Pin
HMA	Taper Mill w/ 1" MT Pin
HMA	Taper Mill w/ 1" MT Pin
HMA	Taper Mill w/ 1" MT Pin
HMA	Taper Mill w/ 1" MT Pin
HMA	Taper Mill w/ 1" MT Pin
Short Bit	1.86" OD MZ Diamond Mill w/ 1" MT Pin
HMA	Inserted Watermelon Mill w/ 1" MT Conn.
HMA	1.86" Rough OD Inserted Tiger Taper Mill w/ 1" MT Pin
HMA	Rough OD Inserted Watermelon Mill w/ 1" MT Pin
HMA	Rough OD Inserted Watermelon Mill w/ 1" MT Pin
HMA	Rough OD Inserted Watermelon Mill w/ 1" MT Pin
HMA	Taper Mill w/ 1" MT Pin
HMA	Taper Mill w/ 1" MT Pin
HMA	Taper Mill w/ 1" MT Pin
HMA	Taper Mill w/ 1" MT Pin
Short Bit	2.125" OD MZ, PDC Mill w/ 1" MT Pin
Short Bit	2.125" OD MS Diamond Mill w/ 1" MT Pin
HMA	Watermelon Mill w/ 1" MT Box x Pin
HMA	Watermelon Mill w/ 1" MT Box x Pin
HMA	Watermelon Mill w/ 1" MT Box x Pin
HMA	Watermelon Mill w/ 1" MT Box x Pin
HMA	Watermelon Mill w/ 1" MT Box x Pin
HMA	Watermelon Mill w/ 1" MT Box x Pin
HMA	Watermelon Mill w/ 1" MT Conn.
HMA	Watermelon Mill w/ 1" MT Conn.
HMA	Tiger Watermelon Mill w/ 1" MT Conn.
HMA	Watermelon Mill w/ 1" MT Conn.
HMA	Watermelon Mill w/ 1" MT Conn.
Short Bit	2" OD MDX Diamond Mill w/ 1" MT Pin
Short Bit	2.125" MS Diamond Mill w/ 1" MT Pin (Body - 2.125" OD x ? ID x ? Long)
HMA	Inserted Hole Opener Mill w/ 1" MT Pin (Body - 2.34" OD x .63 ID x 1.68' Long)
HMA	Inserted Hole Opener Mill w/ 1" MT Pin (Body - 2.34" OD x .63 ID x 1.68' Long)
Short Bit	MS Diamond Mill w/ 1" MT Pin (Body - 2.25" OD x ? ID x ? Long)
Short Bit	2.25" OD MDX Mill w/ 1" MT Pin
Short bit	2.25" OD MDX Mill w/ 1" MT Pin
Short Bit	1.86" OD MDX Diamond Mill w/ 1" MT Pin
CROSSOVER SUBS	
Manufacture	Description
LCM	Crossover Sub - 1"MT Box x 1" CS Pin

Manufacture	Description
La Cajun	Crossover Sub - 1" MT Box x 1" CS Pin
La Cajun	Crossover Sub -1" MT Box x 1-1/2" MT Pin
La Cajun	Crossover Sub - X-Over 1" MT Box x 1" CS Pin
La Cajun	Crossover Sub - 1" MT Box x 1" CS Pin
NST	Crossover Sub - 1" MT Box x 1" CS Pin
La Cajun	Crossover Sub - 1" MT Box x 1" CS Pin
La Cajun	Crossover Sub - 1" CS Pin x 1" MT Box
Louisiana Cajun Machine	Crossover Sub - 1" MT Box x 1" CS Pin
La Cajun	Crossover Sub - 1" MT Box x 1" CS Pin
La Cajun	Crossover Sub - 1" MT Box x 1" CS Pin
Tri Tech Machine	Crossover Sub - 1" CS Box x 1-1/2" MT Pin
Redfish Machine	Crossover Sub - 1" MT Box x 1-1/2" MT Pin
La Cajun	Crossover Sub -1" MT Box x 1-1/2" MT Pin
La Cajun	Crossover Sub -1" MT Box x 1-1/2" MT Pin
Louisiana Cajun Machine	Crossover Sub - 1" MT Box x 1-1/4" CS Pin
Redfish Machine	Crossover Sub - 1" MT Box x 1-1/4" CS Pin
Redfish Machine	Crossover Sub - 1" MT Box x 1-1/4" CS Pin
Louisiana Cajun Machine	Crossover Sub - 1" MT Box x 1-1/2" MT Pin
Louisiana Cajun Machine	Crossover Sub - 1" MT Box x 1-1/4" CS Pin
Louisiana Cajun Machine	Crossover Sub - 1" MT Box x 1-1/4" MT Pin
Tri Tech Machine	Crossover Sub - 1" MT Box x 1-13/16" WFJ Pin
NST	Crossover Sub - 1" MT Box x 1-13/16" WFJ Pin (New Style)
NST	Crossover Sub - 1-1/2" MT Box x 1" MT Pin
Redfish Machine	Crossover Sub - 1" MT Box x 1-1/4" CS Pin
NST	Crossover Sub - 2-3/8" PH-6 Box x 2-3/8" PAC Box
Frederick's	Offset Sub - 1" MT Box x Pin (Body - 1.69" OD x 8" Long)
Louisiana Cajun Machine	Crossover Sub - 1-1/2" MT Box x 1-1/4" CS Pin
Louisiana Cajun Machine	Crossover Sub - 1-1/2" MT Box x 1-1/4" CS Pin
Louisiana Cajun Machine	Crossover Sub - 1-1/2" MT Box x 1-1/4" CS Pin
K&R Manufacturing	Crossover Sub - 1-1/2" MT Box x 1" MT Pin
Tri Tech Machine	Crossover Sub - 1-1/2" MT Box x 1" CS Pin
Tri Tech Machine	Crossover Sub - 2.125" 1-1/2" MT Box x 1-1/4" CSP HT-57321
La Cajun	Crossover Sub - 1-1/2" MT Box x 1" MT Pin
La Cajun	Crossover Sub - 1-1/2" MT Box x 1-1/4" CS Pin
La Cajun	Crossover Sub - 1-1/2" MT Box x 1-1/4" CS Pin
Key Fishing	Bent Sub - 2.125" OD w/ 1-1/2" MT Box x Pin
La Cajun	Crossover Sub - 1-1/2" MT Box x 1" MT Pin (2.00" OD x .74 ID x .51" Long)
Louisiana Cajun Machine	Crossover Sub - 1" CS Box x 1" MT Pin
Louisiana Cajun Machine	Crossover Sub - 1" MT Box x 1-1/2" MT Pin (now 1"CS box x 3/4"MT pin)

Manufacture	Description
K&R Manufacturing	Crossover Sub - 1" CS Box x 1" MT Pin
Shop No #	Crossover Sub - 1" CS Box x 1" MT Pin
Hard Metal Advantage	Crossover Sub - 1" CS Box x 1-1/4" CS Pin
Hard Metal Advantage	Crossover Sub - 1" CS Box x 1-1/4" CS Pin
La Cajun	Crossover Sub - X-Over 1" CS Box x 1" MT Pin
La Cajun	Crossover Sub - X-Over 1" CS Box x 1" MT Pin
La Cajun	Crossover Sub - X-Over 1" CS Box x 1" MT Pin
La Cajun	Crossover Sub - 1" MT Box x 1" CS Pin
NST	Crossover Sub - 1" CS Box x 1" MT Pin
NST	Crossover Sub - 1" CS Box x 1" MT Pin
LCM	Crossover Sub - 1" CS Box x 1" MT Pin
Louisiana Cajun Machine	Crossover Sub - 1-1/4" CS Box x 1" MT Pin
Louisiana Cajun Machine	Crossover Sub - 1-1/4" CS Box x 1" MT Pin
Louisiana Cajun Machine	Crossover Sub - 1-1/4" CS Box x 1" MT Pin
Louisiana Cajun Machine	Crossover Sub - 1-1/4" CS Box x 1" MT Pin
Louisiana Cajun Machine	Crossover Sub - 1-1/4" CS Box x 1-1/2" CS Pin
Tri Tech Machine	Crossover Sub - 1-1/4" CS Box x 1-1/2" MT Pin
Tri Tech Machine	Crossover Sub - 1-1/4" CS Box x 1-1/2" CS Pin
Tri Tech Machine	Crossover Sub - 1-1/4" CS Box x 2-1/16" CS Pin
Tri Tech Machine	Crossover Sub - 1-1/4" CS Box x 2-1/16" CS Pin
Tri Tech Machine	Crossover Sub - 1-1/4" CS Box x 1-1/2" CS Pin
Tri Tech Machine	Crossover Sub - 1-1/2" CS Box x 1" CS Pin
Tri Tech Machine	Crossover Sub - 1-1/4" CS Box x 1" CS Pin
Tri Tech Machine	Crossover Sub - 1-1/4" CS Box x 1-1/2" MT Pin
La Cajun	Crossover Sub - 1-1/4" CS Box x 1" CS Pin
La Cajun	Crossover Sub - 1-1/4" CS Box x 1" CS Pin
HMA	Crossover Sub - 1-1/4" CS Box x 2-1/16" CWP Pin (2.06" OD)
NST	Crossover Sub w/ 1-1/4" CS Box x 1-1/2" MT Pin (2" OD)
NST	Crossover Sub w/ 1-1/4" CS Box x 1-1/2" MT Pin (2" OD)
NST	Crossover Sub - 1/1/4" CS Box x 1" MT Pin
NST	Crossover Sub - 1-1/4" CS Box x 1-1/2" MT Pin
Louisiana Cajun Machine	Crossover Sub - 1-1/2" CS Box x 1-1/4" CS Pin
Tri Tech Machine	Crossover Sub - 1-1/2" CS Box x 2-1/16" CS Pin
Tri Tech Machine	Crossover Sub - 1-1/2" CS Box x 2-1/16" CS Pin
Tri Tech Machine	Crossover Sub - 1-1/2" CS Box x 1-1/2" MT Pin
Tri Tech Machine	Crossover Sub - 1-1/2" CS Box x 1" MT Pin
Tri Tech Machine	Crossover Sub - 1-1/2" CS Box x 1" MT Pin
Tri Tech Machine	Crossover Sub - 1-1/2" CS Box x 1-1/2" MT Pin
K&R Manufacturing	Crossover Sub - 1-1/2" MT Box x 1-1/2" CS Pin
Tri Tech Machine	Crossover Sub - 1-1/2" CS Box x 1-1/4" CS Box
Tri Tech Machine	Crossover Sub - 1-1/2" CS Box x 1" MT Pin

Manufacture	Description
Tri Tech Machine	Crossover Sub - 1-1/2" CS Box x 1" MT Pin
Tri Tech Machine	Crossover Sub - 1-1/2" MT Box x 1" CS Pin
HMA	Crossover Sub - 2-1/16" CS Box x 1-1/2" CS Pin
HMA	Crossover Sub - 2-1/16" CS Box x 1-1/2" MT Pin
NST	Crossover Sub w/ 1-1/2" CS Box x 1-1/2" MT Pin (2.162" OD)
NST	Crossover Sub w/ 1-1/2" CS Box x 1-1/2" MT Pin (2.162" OD)
Lepco Machine	Crossover Sub - 2-3/8" EUE 8RND Box x 2-3/8" PH6 Pin (3.125" OD)
HMA	Crossover Sub - 2-1/16" CS Box x 1-1/2" CS Pin
NST	Crossover Sub - 2-1/16" CS Box x 1-1/2" MT Pin
Oil States	Crossover Sub - 2-1/16" CS Box x 1-1/2" CS Pin
NST	Crossover Sub w/ 2-3/8" CS Box x 1-1/2"CS Pin (2.700" OD)
NST	Crossover Sub w/ 2-3/8" CS Box x 1-1/2"CS Pin (2.700" OD)
NST	Crossover Sub w/ 2-3/8" CS Box x 1-1/2"CS Pin (2.700" OD)
La Cajun	Crossover Sub - 1-1/4" MT Box x 1-1/2" MT Pin (2.00" OD)
La Cajun	Crossover Sub - 1-1/4" MT Box x 1-1/2" MT Pin (
NST	Crossover Sub -1-1/4" MT Box x 1" MT Pin
LCM	Crossover Sub 1-1/2" MT Box x 1.70 Stub Acme Pin
LCM	Crossover Sub 1-1/2" MT Box x 1.70 Stub Acme Pin
Tri Tech Machine	Crossover Sub - 1-1/2" MT Box x 1" MT Pin
Louisiana Cajun Machine	Crossover Sub - 3/4" CS Box x 1" MT Pin
Tri Tech Machine	Crossover Sub - 1" CS Box x Box
	Crossover Sub - 1" MT Box x Box
Tri Tech Machine	Crossover Sub - 1-1/2" CS Box x Box
Tri Tech Machine	Crossover Sub - 1-1/2" CS Box x Box
Tri Tech Machine	Crossover Sub - 1-1/2" CS Box x 1" MT Box
Tri Tech Machine	Crossover Sub - 1-1/2" CS Box x 1" MT Box
Tri Tech Machine	Crossover Sub - 1-1/2" CS Box x Box
Louisiana Cajun Machine	Crossover Sub -1" MT Box x 1" CS Pin
Hard Metal Advantage	Crossover Sub - 2-1/16" CS Pin x Pin
Louisiana Cajun Machine	Crossover Sub - 1" MT Box x Box
La Cajun	Crossover Sub - 1" MT Box x Box
La Cajun	Crossover Sub - 1" MT Box x 1" CS Pin
La Cajun	Crossover Sub - 1" MT Box x 1" CS Pin
La Cajun	Crossover Sub - 1" MT Box x 1" CS Pin
La Cajun	Crossover Sub - 1" MT Box x 1" CS Pin
La Cajun	Crossover Sub - 1" MT Box x 1" CS Pin
La Cajun	Crossover Sub - 1-1/4" CS Box x Box
La Cajun	Crossover Sub - 1" MT Pin x Pin
La Cajun	Crossover Sub - 1" MT Pin x Pin
Innovative Downhole	Crossover Sub -1-1/4" MT Box x 1" MT Box
Louisiana Cajun Machine	Crossover Sub - 5/8" SR Pin x 1" MT Pin

Manufacture	Description
Louisiana Cajun Machine	Crossover Sub - 1" MT Box x 1" MT Box
	Crossover Sub - AW Rod Box x 1" MT Pin
Louisiana Cajun Machine	Crossover Sub - 1"CS Box x 1" MT Pin
Louisiana Cajun Machine	Crossover Sub - 3/4" Box x x 1" MT Pin
Louisiana Cajun Machine	Crossover Sub - AW Rod Box x 1" MT Pin
Grifco	Crossover Sub - 3/4" CS Box x 1" MT Pin
Tri Tech Machine	Crossover Sub - 3/4" MT Box x Box (1-1/2" OD)
Tri Tech Machine	Crossover Sub - 3/4" MT Box x Box (1-1/2" OD)
Tri Tech Machine	Crossover Sub - 3/4" CS Box x 3/4" MT Pin
Louisiana Cajun Machine	Crossover Sub - 1" MT Box x 3/4" MT Pin
Shop	Crossover Sub - 1" MT Box x 5/8" SR Pin
NST	Crossover Sub - 2-3/8" PAC Pin x 2-3/8" PH-6 Pin
NST	Crossover Sub -1-1/4" Reg Box x 1-1/2" MT Pin
NST	Crossover Sub -1-1/4" Reg Box x 1-1/2" MT Pin
NST	Crossover Sub - 3/4" MT Box x 3/4" CS Pin
NST	Crossover Sub -1-1/4" MT Box x 1" MT Pin
NST	Crossover Sub w/ 3/4" MT Box x 3/4" CS Pin
Louisiana Cajun Machine	Crossover Sub - 1" MT Pin x 1" MT Pin
Venturi Oil Tools	Crossover Sub -1" MT Pin x 1 11/16 CWP Pin
Louisiana Cajun Machine	Crossover Sub - 1-1/2" MT Box x 1" MT Box
Louisiana Cajun Machine	Crossover Sub - 1" MT Box x 1" CS Pin
Louisiana Cajun Machine	Crossover Sub - 1" MT Pin x 1" MT Pin
Tri Tech Machine	Crossover Sub - 1" MT Pin x 1" MT Pin
Tri Tech Machine	Crossover Sub - 1" MT Pin x 1" MT Pin
Tri Tech Machine	Crossover Sub - 3/4" MT Pin x 3/4" MT Pin
Tri Tech Machine	Crossover Sub -1" MT Pin x 1-1/8-12 Pin
Tri Tech Machine	Crossover Sub - 1" MT Pin x 1-1/8" Pin
Tri Tech Machine	Crossover Sub - 3/4" MT Box x Box (1-1/2" OD)
Tri Tech Machine	Crossover Sub - 1.69" 1" CS Pin x Pin
Tri Tech Machine	Crossover Sub - 2-1/8" OD 1" CS Pin x 1" CS Pin
Tri Tech Machine	Crossover Sub - 2-1/8" OD 1-1/4" CS Pin x 1-1/4" CS Pin
Tri Tech Machine	Crossover Sub - 1" MTB x 1" MTP Crossover
Hard Metal Advantage	Crossover Sub - 2-1/16" CS Pin x Pin
HMA / Frontline	Crossover Sub - 1" MT Pin x Pin
HMA / Frontline	Crossover Sub - 1" MT Pin x Pin
HMA / Frontline	Crossover Sub - 1" MT Pin x Pin
Shop	Crossover Sub - 1" MT Pin x 1-1/4" SR Pin
La Cajun	Crossover Sub - 1-1/4" CS Pin x 1" MT Pin
La Cajun	Crossover Sub - 1-1/4" CS Pin x 1" MT Pin
NST	Crossover Sub - 1-1/4" CS Pin x 1" MT Pin (1.86" OD)
NST	Crossover Sub - 1-1/4" CS Pin x 1" MT Pin (1.86" OD)

Manufacture	Description
Lepco Machine	3.449" OD Crossover Sub w/ 2-3/8" Reg B x 2-7/8" PH6 P
Louisiana Cajun Machine	Crossover Sub - 5/8" SR Pin X 1 MT Pin
K&R Manufacturing	Crossover Sub - 1-1/2" MT Pin x 5/8" SR Pin
Louisiana Cajun Machine	Crossover Sub - 5/8" SR Pin x 1" MT Pin
Tri Tech Machine	Crossover Sub - 5/8" SR PIN X 1" CS PIN
La Cajun	Crossover Sub - 1-1/2" MT Pin x 3/4" SR Pin
La Cajun	Crossover Sub - 3/4" SR Pin x 1-1/2" MT Pin
La Cajun	Crossover Sub - X-Over 1" MT Pin x 5/8" SR Pin
La Cajun	Crossover Sub - 3/4" SR in x 1-1/2" MT Pin
La Cajun	Crossover Sub - 1-1/2" MT Pin x 5/8" SR Pin
Frederick's	Crossover Sub - 5/8" SR Pin x 1" MT Pin
Frederick's	Crossover Sub - 5/8" SR Pin x 1" MT Pin
Frederick's	Crossover Sub - 5/8" SR Pin x 1" MT Pin
Frederick's	Crossover Sub - 5/8" SR Pin x 1" MT Pin
NST	Crossover Sub - 1-1/2" MT Pin x 5/8" SR Pin (2" OD x 8" OAL, Ported)
NST	Crossover Sub - 1-1/8" SR Pin x 1-1/4" CS Pin (2.25" OD x .50" ID)
NST	Crossover Sub - 1-1/8" SR Pin x 1-1/4" CS Pin (2.25" OD x .50" ID)
Louisiana Cajun Machine	Drain Sub - 5/8" SR Box x 1" MT Box
Louisiana Cajun Machine	Drain Sub - 5/8" SR Box x 1" CS Box
Louisiana Cajun Machine	Drain Sub - 5/8" SR Box x 1" CS Box
Louisiana Cajun Machine	Drain Sub - 5/8" SR Box x 1" CS Box
Louisiana Cajun Machine	Drain Sub - 3/4" SR Box x 1" MT Box
	Drain Sub - 5/8" SR Box x 1" MT Box
Louisiana Cajun Machine	Drain Sub - 5/8" SR Box x 1" MT Box
Louisiana Cajun Machine	Drain Sub - 5/8" SR Box x 1" MT Box
La Cajun	Drain Sub - 3/4" SR Box x 1-1/2" MT Box
La Cajun	Drain Sub - 5/8" SR Box x 1" MT Box
La Cajun	Drain Sub - 5/8" SR Box x 1" MT Box
La Cajun	Drain Sub - 5/8" SR Box x 2-3/8" Pac Box
La Cajun	Drain Sub- 5/8" SR Box x 3/4" MT Box
La Cajun	Drain Sub - 5/8" SR Box x 1" MT Box
Frederick's	Drain Sub - 5/8" SR Box x 1" MT Box
Frederick's	Drain Sub - 5/8" SR Box x 1" MT Box
La Cajun	Drain Sub - 5/8" SR Box x 1" MT Box
NST	Drain Sub - 5/8" SR Box x 2-3/8" Pac Box
NST	Drain Sub - 5/8" SR Box x 2-3/8" Pac Box
NST	Drain Sub - 5/8" SR Box x 2-3/8" Pac Box
NST	Drain Sub - 5/8" SR Box x 1-1/2" MT Box (2" OD x .25" ID x .65" Long)
Louisiana Cajun Machine	Crossover Sub - 1-1/2" MT Box x 1" MT Box
HAMMER CROSSOVER SUBS	
Hunting	1.69" OD Hammer Crossover

Manufacture	Description
Hunting	1.69" OD Hammer Crossover
Hunting	2.125" OD Hammer Crossover
Hunting	2.125" OD Hammer Crossover
Hunter	2.00" OD Hammer Bit w/ 1" MT Box
Hunter	2.00" OD Hammer Bit w/ 1" MT Box
Hunter	1.725" OD Hammer Bit w/ 1" MT Box
Hunter	1.725" OD Hammer Bit w/ 1" MT Box
Hunter	2.70" OD Hammer Bit w/ 1-1/8" HB Box
Hunter	2.70" OD Hammer Bit w/ 1-1/8" HB Box
Hunter	2.47" OD Hammer Bit w/ 1-1/8" HB Box
La Cajun	1.375" OD Disc Breaker Wash Nozzle w/ 3/4" CS Box
	12- 1-1/2" ROPE SPOCKETS BAIT SUBS
	3- 1-1/4" ROPE SOCKET PAIT SUBS
	2- ELINE ROPE SOCKETS
	1- 1-3/4" ROPE SOCKET BAIT SUB
	3/4 SR X 5/8 SR
	5/8 SR X 3/4 SR

OVERSHOT EXTENSIONS

Manufacture	Description
Logan Oil Tools	3 5/8" x 36" (Series 150) Overshot Extension
Logan Oil Tools	3 5/8" x 36" (Series 150) Overshot Extension
Logan Oil Tools	3-5/8" OD x 36" Overshot Extension (9276)
Logan Oil Tools	3-7/8" OD x 36" Overshot Extension
Logan Oil Tools	3-7/8" OD x 36" Overshot Extension
Logan Oil Tools	3 5/8" x 36" (Series 150) Overshot Extension
Logan Oil Tools	4 1/8" Ser 150 Overshot Cutlip Guide
Logan Oil Tools	3-5/8" Cut Lip guide Series 9275
Logan Oil Tools	3-5/8" Cutlip Guide (9275)
Logan Oil Tools	5-11/16" OD (Series 150) Overshot Cut Lip Guide
Logan	4-11/16" OD x 36" (Series 150) Overshot Extension
Logan	4-11/16" OD x 36" (Series 150) Overshot Extension
Rubicon	3-3/4" OD (Series 150) Overshot Extension
Rubicon	3-3/4" OD (Series 150) Overshot Extension
Rubicon	3-3/4" OD (Series 150) Overshot Extension
Rubicon	3.75" OD Overshot Extension
Rubicon	4-1/8" Ser 150 Cut-lip Guide
Logan Oil Tools	3-5/8" OD x 36" Overshot Extension (9276)

MISC. BITS

Manufacture	Description
KC Bits	8.25" 3 Bladed Speed Mill w/ 4-1/2" Reg Pin
KC Bits	8.25" 3 Bladed Speed Mill w/ 4-1/2" Reg Pin

Manufacture	Description
KC Bits	6.25" OD 3 Blade Chevron Mill w/ 2-3/8" Reg. Pin
KC Bits	6.375" OD 3 Blade Chevron Mill w/ 2-3/8" Reg. Pin
	3 Bladed Concave Mill w/2-3/8" PAC Pin
	4 Bladed Mill Bull Nose Mill w/2-3/8" PAC Pin
	3 Bladed Concave Mill w/2-3/8" PAC Pin
Halford Mill	AR Mill w/2-3/8" PAC Pin
DownHole Machine	AR Mill w/2-3/8" Reg Pin
	AR Mill (4.60"OD 4 Blade Blank Mill w/2 3/8"PAC pin)

LARGE CROSSOVER SUB

Manufacture	Description
Louisiana Cajun Machine	Crossover Sub - 1" CS Box x 1-1/4" CS Pin
Halford Milling Tools	Crossover Sub - 2-7/8" Reg Box x 2-7/8" PAC Pin
Halford Milling Tools	Crossover Sub - 2-7/8" Reg Box x 2-7/8" PAC Pin
Halford Milling Tools	Crossover Sub - 2-7/8" Reg Box x 2-7/8" 8Rnd Box
Halford Milling Tools	Crossover Sub - 2-3/8 PAC Box x 2-7/8" 8 Rnd Box
K&R Manufacturing	Crossover Sub - 2-3/8" PH-6 Box x 2-3/8" PAC Pin
Louisiana Cajun Machine	Crossover Sub - 2-3/8" PH-6 Box x 2-3/8" Pac Box
Shop	Crossover Sub - 2-3/8" Reg Box x 2-3/8" Pac Pin
Louisiana Cajun Machine	Crossover Sub - 2-3/8" 8 Rnd Pac Box x 2-3/8" Pac Pin
Louisiana Cajun Machine	Crossover Sub - 2-3/8" 8 Rnd Pac Box x 2-3/8" Pac Pin
La Cajun	Crossover Sub - 2-3/8" CS Box x 2-3/8" PAC Pin
HMA	Crossover Sub - 2-3/8" PAC Box x Box
La Cajun	Crossover Sub - 2-3/8" PAC Box x Box
La Cajun	Crossover Sub - 2-3/8" 8 EUE 8Rnd Box x 2-3/8" PAC Box
La Cajun	Crossover Sub - 2-3/8" 8 EUE 8Rnd Box x 2-3/8" PAC Box
HMA	Crossover Sub - 3/8" CWP Box x 2-7/8" IF Pin
NST	Crossover Sub - 2-3/8" NU 10 Rnd Box x 2-3/8" PAC Pin (2.875" OD)
NST	Crossover Sub - 2-3/8" NU 8 Rnd Box x Box (2.875" OD x 8")
NST	Crossover Sub - 2-3/8" NU 8 Rnd Box x Box (2.875" OD x 8")
NST	Crossover Sub - 1-1/2" MT Box x 2-3/8" PAC Pin
NST	Crossover Sub - 2-3/8" REG Box x Box (3.125" OD x 1.625" ID x 10" Long)
NST	Crossover Sub - 2-3/8" Reg Box x 1-3/8" PAC Pin
Louisiana Cajun Machine	Crossover Sub - 2-3/8" PAC Box x 1-1/4" CS Pin
Halford Milling Tools	Crossover Sub - 2-3/8" PAC Box x 2-3/8" 8 Rnd EUE 8Rnd Pin
Northwest Machine Shop	Crossover Sub - 2-3/8" PAC Pin x Pin
Tri Tech Machine	Crossover Sub - 1-1/2" MT Box x 2-3/8" CS Pin
Tri Tech Machine	Crossover Sub -1-1/4" NU 10 Rnd Box x 2-3/8" PAC Pin
La Cajun	Crossover Sub - 2-3/8" PAC Box x 2-3/8" RND Pin
La Cajun	Crossover Sub - 2-3/8" PAC Box x 2-3/8" RND Pin
La Cajun	Crossover Sub - 2-3/8" Pac Box x 2-3/8" EUE 8Rnd Pin

Manufacture	Description
La Cajun	Crossover Sub - 2-3/8" Pac Box x 2-3/8" EUE 8Rnd Pin
La Cajun	Crossover Sub - 2-3/8" Pac Box x 2-3/8" EUE 8Rnd Pin
La Cajun	Crossover Sub - 2-3/8" Reg Box x 2-3/8" Pac Pin
NST	Crossover Sub - 2-3/8" EUE 8Rnd Box x 2-1/16" CS Pin
Fairmont Tool	Crossover Sub - 6" OAL 2-3/8" PAC Box x 2-7/8" EUE 8Rnd Pin
NST	Crossover Sub - 1-1/2" MT Box x 2-3/8" PAC Box (2.700" OD x .70")
NST	Crossover Sub - 1-1/2" MT Box x 2-3/8" PAC Pin
NST	Crossover Sub - 1-1/2" MT Box x 2-3/8" PAC Pin
NST	Crossover Sub - 2-1/16" CS Box x 2-3/8" PAC Pin (2.875" OD)
HMA	Crossover Sub - 2-3/8" PAC Box x 2-1/16" CS Pin (2-7/8" OD)
NST	Crossover Sub - 2-1/16" CS Box x 2-3/8" PAC Pin (2.875" OD x 1.37" ID x 12")
NST	Crossover Sub - 2-7/8" PAC Pin x 2-3/8" Reg Pin
NST	Crossover Sub - 2-7/8" PAC Pin x 2-3/8" Reg Pin
Big Bucks Welding	Cross Over
Big Bucks Welding	Cross Over
Halford Milling Tools	Crossover Sub - 2-3/8" PAC Box x 2-7/8" Reg Pin
Halford Milling Tools	Crossover Sub - 2-3/8" PAC Box x 2-7/8" Reg Pin
Halford Milling Tools	Crossover Sub - 2-7/8" PAC Box x 2-3/8" Reg Pin
K&R Manufacturing	Crossover Sub - 3-1/2" PH-6 Box x 2-7/8" EUE 8Rnd Pin
K&R Manufacturing	Crossover Sub - 3-1/2" PH-6 Box x 2-7/8" EUE 8Rnd Pin
K&R Manufacturing	Crossover Sub - 2-7/8" EUE 8Rnd Box x 3-1/2" PH-6 Pin
Tri Tech Machine	Crossover Sub - 2-7/8" EUE 8Rnd Box x 2-7/8" PAC Pin
Tri Tech Machine	Crossover Sub - 2-7/8" EUE 8Rnd Box x 2-7/8" PAC Pin
Tri Tech Machine	Crossover Sub - 2-7/8" PH-6 Box x 2-7/8" CS Pin
Tri Tech Machine	Crossover Sub - 2-7/8" CS Box x 2-7/8" PH-6 Pin
Tri Tech Machine	Crossover Sub - 2-7/8" CS Box x 2-7/8" PH-6 Pin
Tri Tech Machine	Crossover Sub - 2-7/8" PAC Box x 2-7/8" PH-6 Pin
Tri Tech Machine	Crossover Sub - 2-7/8" PAC Box x 2-7/8" PH-6 Pin
Shop NW	Crossover Sub - 2-7/8" PH-6 Box x 2-3/8" PH-6 Pin
La Cajun	Crossover Sub - 2-7/8" Reg Box x 2-3/8" Pac Pin
La Cajun	Crossover Sub - 2-7/8" Reg Box x 2-3/8" Pac Pin
NW Machine	Crossover Sub - 2-7/8 PH-6 Box x 2-3/8" PH-6 Pin
Fairmont Tool	Crossover Sub - 6" OAL 2-7/8" Reg Box x 2-3/8" Reg Pin
Fairmont Tool	Crossover Sub - 6" OAL 2-7/8" Reg Box x 2-3/8" Reg Pin
NST	Crossover Sub - 2-3/8" PAC Box x 2-7/8" PH-6 Pin (3.43" OD)
NST	Crossover Sub - 3-1/2" PH-6 Box x 2-3/8" Reg Pin (12")
NST	Crossover Sub - 2-3/8" REG Box x 3-1/2" IF Pin (4.75" OD x 1.615" ID x
NST	Crossover Sub - 2-7/8" EUE 8Rnd Box x 2-3/8" REG Pin
NST	Crossover Sub - 2-7/8" EUE 8Rnd Box x 2-3/8" REG Pin

Manufacture	Description
NST	3.438" OD Crossover Sub w/ 2-3/8" Reg. Box x 2-7/8" PH6 Pin
K&R Manufacturing	Crossover Sub - 3-1/2" PH-6 Box x 2-7/8" CS Pin
K&R Manufacturing	Crossover Sub - 3-1/2" PH-6 Box x 2-7/8" CS Pin
Tri Tech Machine	Crossover Sub - 2-7/8" PAC Box x 3-1/2" PH-6 Pin
Tri Tech Machine	Crossover Sub - 2-7/8" PAC Box x 3-1/2" PH-6 Pin
Tri Tech Machine	Crossover Sub - 3-1/2" PH-6 Box x 2-7/8" PH-6 Pin
NST	Crossover Sub - 2-3/8" REG Box x 3-1/2" IF Pin
NST	Crossover Sub -2-3/8" PAC Pin x 3-1/2" IF Pin
Big Bucks Welding	Cross Over

TCB'S, VJJB DRESSED SHOES

Manufacture	Description
Tri Tech Machine	Triple Connection Bushing - 1" MT Box x 1" MT Pin x 2-1/4" FJWP Pin
La Cajun Machine	Triple Connection Bushing - 1" MT Box x 1" MT Box x 2-1/4" FJWP Pin
Louisiana Cajun Machine	Triple Connection Bushing - 1-1/2" MT Box x 1" MT Pin 2.70" FJWP Pin
HMA	Triple Connection Bushing (1.69"OD) - 1" CS Box x 1" MT Box x 1.86" FJWP Pin
NST	Triple Connection Bushing (1.69"OD) - 1" CS Box x 1" MT Box x 1.86" FJWP Pin
Louisiana Cajun Machine	Washpipe Top Sub - 1" MT Pin x 1.86" WP Pin
Tri Tech Machine	Top Sub w/1" CS Box for FJ Shoe
Tri Tech Machine	Washpipe Top Sub - 1" MT Box x 2-1/4" FJWP Pin
Tri Tech Machine	Washpipe Top Sub - 2-1/16" CS Box x 2-1/4" FJWP Pin
Tri Tech Machine	Washpipe Top Sub - 1-1/4" CS Box x 2.70" FJWP Pin
Louisiana Cajun Machine	Washpipe Top Sub - 1" CS Box x 2-1/4" FJWP Pin
Louisiana Cajun Machine	Washpipe Top Sub - 1" CS Box x 2-1/4" FJWP Pin
Louisiana Cajun Machine	Washpipe Top Sub - 1-1/4" CS Box x 2-1/4" FJWP Pin
Louisiana Cajun Machine	Washpipe Top Sub - 1-1/4" CS Box x 2-1/4" FJWP Pin
Louisiana Cajun Machine	Washpipe Top Sub - 1" CS Box x 2-1/4" FJWP Pin
Louisiana Cajun Machine	Washpipe Top Sub - 1" CS Box x 1.86" FJWP Pin
Hard Metal Advantage	Washpipe Top Sub - 2-1/16" CS Box x 2-1/4" FJWP Pin
NST	Washpipe Top Sub - 1" MT Box x 1.86" FJWP Pin
NST	Washpipe Top Sub - 1" CS Box x 1.86" FJWP Pin
NST	Washpipe Top Sub - 1" CS Box x 2-1/4" FJWP Pin
HMA/Frontline	Washpipe Top Sub - 1" CS Box x 1.86" FJWP Pin
NST	Washpipe Top Sub - 1" MT Box x 1.86" FJWP Pin
NST	Washpipe Top Sub - 1" CS Box x 1.86" FJWP Pin
Louisiana Cajun Machine	Crossover 2.25" WPB x2-1/16" CSP
Louisiana Cajun Machine	Crossover 2-1/16" CSB x 2.25" WPP
Louisiana Cajun Machine	2.375" Crossover 2.25" WPBX2-1/16" CSP
Tri Tech Machine	2.25 WP Top Sub w/1" MTB
Louisiana Cajun Machine	Washpipe Top Sub - 1" MT Box x 2.25" FJWP Pin
Louisiana Cajun Machine	Top Sub w/1-1/2" MT Box for FJ Shoe
Louisiana Cajun Machine	Top Sub w/1-1/2" MT Box for FJ Shoe
Louisiana Cajun Machine	Washpipe Top Sub - 1-1/2" MT Box x 3 5/8" FJWP Pin (Old Style)
Tri Tech Machine	Washpipe Top Sub - 1-1/4" CS Box x 2.70" FJWP Pin

Manufacture	Description
Tri Tech Machine	1.96" OD x 5' Long Special Washpipe w/ESS FJWP Box x Pin
Tri Tech Machine	1.96" OD x 5' Long Special Washpipe w/ESS FJWP Box x Pin
Tri Tech Machine	1.96" OD x 5' Long Special Washpipe w/ESS FJWP Box x Pin
Tri Tech Machine	Washpipe Top Sub - 1-1/4" CS Box x 2.70" FJWP Pin
Tri Tech Machine	Crossover Sub - 1-1/2" CS Box x 2-1/4" WP Pin
Tri Tech Machine	2.70 WP Top Sub w/1" MTB
Tri Tech Machine	Washpipe Top Sub - 2-1/16" CWP Box 2.70" FJWP Pin
La Cajun	Washpipe Top Sub - 2-1/16" CWP Box 2.70" FJWP Pin
La Cajun	X-Over 2.70" WP Pin x 2 5/8" Bowen Pin
Louisiana Cajun Machine	X-Over 2.70" WP Pin x 2 5/8" Bowen Pin (Replaced EES-3341)
HMA	Crossover Sub - 1.86" FJWP Box x 1.86" FJWP Pin (1.86" OD)
NST	Crossover Sub 3-1/8" CW Box x 3-3/4" WP Pin
NST	3-3/4" Ser 150 Overshot w/ 2-3/8" CS Box
Venturi Oil Tools	2.063" OD Venturi Jet Basket Extension x 2.063" CWP Box x Pin
Venturi Oil Tools	Dressed Cage Housing w/1-11/16" CWP Box
Venturi Oil Tools	Dressed Cage Housing w/1-11/16" CWP Box
Tri Tech Machine	2" OD x 1.75" ID x 2' Shoe
K & R Manufacturing	2.25" OD x 1.93" ID x 5' Long Washpipe w/ 2-1/4" FJWP Box X Pin
Venturi Oil Tools	Dressed Cage Housing w/ 2-1/16" CWP Box
Hard Metal	Dressed Cage Housing w/ 2-1/16" CWP Box
Venturi Oil Tools	Dressed Cage Housing w/ 2-1/16" CWP Box
Venturi Oil Tools	Dressed Cage Housing w/ 2-1/16" CWP Box
Venturi Oil Tools	Dressed Cage Housing w/1-11/16" CWP Box
Hard Metal Advantage	Dressed Cage Housing w/ 2-1/16" CWP Box
Venturi Oil Tools	Dressed Cage Housing w/ 2-1/16" CWP Box
VOT / HMA	Dressed Cage Housing w/ 1.81" CWP Box
VOT / HMA	Dressed Cage Housing w/ 1.81" CWP Box
Venturi Oil Tools	Dressed Cage Housing w/1-11/16" CWP Box
VOT / HMA	Dressed Cage Housing w/ 1.81" CWP Box
VOT / HMA	Dressed Cage Housing w/1-11/16" CWP Box
Venturi Oil Tools	Dressed Cage Housing w/ 1.81" CWP Box
Venturi Oil Tools	Dressed Cage Housing w/ 1.81" CWP Box
Venturi Oil Tools	Dressed Cage Housing w/ 1.81" CWP Box
Venturi Oil Tools	Dressed Cage Housing w/1-11/16" CWP Box
Venturi Oil Tools	Dressed Cage Housing w/1-11/16" CWP Box
Venturi Oil Tools	Dressed Cage Housing w/1-11/16" CWP Box
Venturi Oil Tools	Dressed Cage Housing w/1-11/16" CWP Box
Venturi Oil Tools	Dressed Cage Housing w/1-11/16" CWP Box
Venturi Oil Tools	Dressed Cage Housing w/1-11/16" CWP Box
Venturi Oil Tools	Dressed Cage Housing w/1-11/16" CWP Box
VOT / HMA	Dressed Cage Housing w/1-11/16" CWP Box
Venturi Oil Tools	Dressed Cage Housing w/1-11/16" CWP Box
Venturi Oil Tools	Dressed Cage Housing w/1-11/16" CWP Box
Venturi Oil Tools	Dressed Cage Housing w/ 3-1/8" CWP Box
Venturi Oil Tools	Dressed Cage Housing w/1-11/16" CWP Box
Venturi Oil Tools	Dressed Cage Housing w/1-11/16" CWP Box

Manufacture	Description
VOT/HMA	Dressed Cage Housing w/ 3-1/8" CWP Box
HMA	3 Blade Inserted Pirahna Mill w/ 1-1/4" CS Box (Body - 1.86" OD
HMA	3 Blade Inserted Pirahna Mill w/ 1-1/4" CS Box (Body - 1.86" OD
HMA	4 Blade Speed Mill w/ 1-1/4" CS Box (Body - 2.125" OD
NST	Screw In Sub Skirt w/ Cut Lip - (2.125" OD) 2-1/16" CWP Box
Tri Tech Machine	Shoe w/ 2-1/16" CS Box
Tri Tech Machine	Shoe w/1" MT Box (Body - 2.03" OD x 1.60" ID)

VJJB CROSSOVER SUB AND VJJB

Manufacture	Description
Venturi Oil Tools	Cage Housing Crossover Bushing - 2-1/16" CWP Box x 1-1/4" CS Pin
Venturi Oil Tools	Standard Cage Housing w/2-1/16" CWP Box x Pin
Venturi Oil Tools	Cage Housing Crossover Bushing - 1-11/16" CWP Box x 1" CS Pin
Venturi Oil Tools	Cage Housing Crossover Bushing - 1-11/16"CWP Box x 1-1/4" CS Pin
Venturi Oil Tools	Cage Housing Crossover Bushing - 1-11/16"CWP Box x 1-1/4" CS Pin
Venturi Oil Tools	Cage Housing Crossover Bushing - 1-11/16" CWP Box x 1" CS Pin
Venturi Oil Tools	Cage Housing Crossover Bushing - 1-11/16" CWP Box x 1" CS Pin
Venturi Oil Tools	Cage Housing Crossover Bushing - 1-11/16" CWP Box x 1" CS Pin
Venturi Oil Tools	Standard Cage Housing w/ 1-11/16" CWP Box x Pin
Venturi Oil Tools	Standard Cage Housing w/ 1-11/16" CWP Box x Pin
Venturi Oil Tools	Standard Cage Housing w/ 1-11/16" CWP Box x Pin
Venturi Oil Tools	Cage Housing Crossover Bushing - 1-11/16 CWP Box x 2-1/16 CWP Pin
Venturi Oil Tools	Cage Housing Crossover Bushing - 1-11/16 CWP Box x 2-1/16 CWP Pin
Venturi Oil Tools	Standard Cage Housing w/ 1-11/16" CWP Box x Pin
Venturi Oil Tools	Cage Housing Crossover Bushing - 1-11/16"CWP Box x 1-1/4" CS Pin
Venturi Oil Tools	Standard Cage Housing w/ 1-11/16" CWP Box x Pin
Venturi Oil Tools	Standard Cage Housing w/ 1-11/16" CWP Box x Pin
Venturi Oil Tools	Cage Housing Crossover Bushing - 1.81" CWP Box x 1-1/4" CS Pin
Venturi Oil Tools	Cage Housing Crossover Bushing - 1.81" CWP Box x 1-1/4" CS Pin
Venturi Oil Tools	Cage Housing Crossover Bushing - 1-11/16" CWP Box x 1.81" CWP Pin
Venturi Oil Tools	Cage Housing Crossover Bushing - 1-11/16"CWP Box x 1-1/4" CS Pin
Venturi Oil Tools	Cage Housing Crossover Bushing - 2-1/16" CWP Box x 1-1/4" CS Pin
Venturi Oil Tools	Cage Housing Crossover Bushing - 1-11/16" CWP Box x 1.81" CWP Pin
Venturi Oil Tools	Cage Housing Crossover Bushing - 1-11/16" CWP Box x 1.81" CWP Pin
Venturi Oil Tools	Cage Housing Crossover Bushing - 1-11/16 CWP Box x 2-1/16 CWP Pin

Manufacture	Description
Venturi Oil Tools	Cage Housing Crossover Bushing - 1-11/16 CWP Box x 2-1/16 CWP Pin
Venturi Oil Tools	Cage Housing Crossover Bushing - 1-11/16" CWP Box x 1" CS Pin
Venturi Oil Tools	Crossover Bushing - 1-11/16"CWP box x 1-1/4" CS Pin
NST	Crossover Sub - 1-1/2" CS Box x 2-1/16" CWP Pin
NST	2.06" OD Venturi Jet Basket w/ 1-1/2" CS Box x 2-1/16" CWP Pin (Special Top Sub)
HMA	Crossover Sub - 1-1/4" CS Box x 2-1/16" CWP Pin (2.06" OD x 1.218" ID x .64" Long)
VOT	Cage Housing Crossover - 1-11/16"CWP Box x 1-1/4" CS Pin
Venturi Oil Tools	1.69" OD Cyclone Bailer w/ 1.69" CWP Box x Pin
Venturi Oil Tools	Dressed Cage Housing w/1-11/16" CWP Box
Venturi Oil Tools	Dressed Cage Housing w/ 2-1/16" CWP Box
Venturi Oil Tools	Cage Housing Crossover Bushing - 2-1/16" CWP Box x 1-1/4" CS Pin
Venturi Oil Tools	Dressed Cage Housing w/1-11/16" CWP Box
Thru Tubing Technology	1.69" OD Venturi Jet Basket w/1" MT Pin x 1-11/16" CWP Pin
Venturi Oil Tools	2.06" OD Venturi Jet Basket w/ 1-1/2" MT Pin x 2 1/6" CWP Pin
Venturi Oil Tools	1.69" OD Venturi Jet Basket w/1" MT Pin x 1-11/16" CWP Pin
Venturi Oil Tools	1.69" OD Venturi Jet Basket w/1" MT Pin x 1-11/16" CWP Pin
Venturi Oil Tools	1.69" OD Venturi Jet Basket w/1" MT Pin x 1-11/16" CWP Pin
Venturi Oil Tools	2.06" OD Venturi Jet Basket w/ 1-1/2" MT Pin x 2 1/6" CWP Pin
Venturi Oil Tools	1.69" OD Venturi Jet Basket w/1" MT Pin x 1-11/16" CWP Pin
Venturi Oil Tools	1.69" OD Venturi Jet Basket w/1" MT Pin x 1-11/16" CWP Pin
Venturi Oil Tools	1.69" OD Venturi Jet Basket w/1" MT Pin x 1-11/16" CWP Pin
Venturi Oil Tools	1.69" OD Venturi Jet Basket w/1" MT Pin x 1-11/16" CWP Pin
Venturi Oil Tools	1.69" OD Venturi Jet Basket w/1" MT Pin x 1-11/16" CWP Pin
Venturi Oil Tools	2.06" OD Venturi Jet Basket w/ 1-1/2" MT Pin x 2.063" CWP Pin
Venturi Oil Tools	3.125" OD Venturi Jet Basket w/ 2-3/8" PAC Pin x 3-1/8" CWP Pin

DIAMOND SHOES

Manufacture	Description
Short Bit/Tri Tech Machine	Diamond Shoe w/2.70" FJWP Box (Body - 2.70" OD x 1.985" ID)
Tri Tech Machine	Washpipe Shoe w/2.72" FJWP Box (Body - 2.70" OD x 2.25" ID)
NST	3.750" OD XDS Diamond Shoe w/ 3-3/4" FJWP Box
NST	3.80" OD XDS Diamond Shoe w/ 3-3/4" FJWP Box
NST	3.80" OD XDS Diamond Shoe w/ 3-3/4" FJWP Box
NST	2.10" OD Diamond Shoe w/ 1.86" FJWP Box
Short Bit	XDS Diamond Shoe w/ 2-1/4" FJWP Box (Body - 2.25" OD x 1.5" ID)
Short Bit	XDS Diamond Shoe w/ 2-1/4" FJWP Box (Body - 2.25" OD x 1.5" ID)
Short Bit	1.86" OD XDS Diamond Shoe w/ 1-1/4" CS Box
Short Bit	1.86" OD XDS Diamond Shoe w/ 1-1/4" CS Box
Short Bit	1.86" OD XDS Diamond Shoe w/ 1.86" FJWP Box

Manufacture	Description
Short Bit / HMA	XDS Diamond Shoe w/ 1.86" FJWP (Body - 1.86" x 1.110" ID)
Short Bit	1.86" OD SXDS Diamond Shoe w/ 1 1/4" CS Box
Short Bit / HMA	XDS Diamond Shoe w/ 1.86" FJWP Box (Body - 1.85" OD x 1.11" ID)
Short Bit	XDS Diamond Shoe w/ 2-1/4" FJWP Box (Body - 2.25" OD x 1.5" ID)
NST	Washpipe Shoe w/ 2.70" FJWP Box (2.70" OD)
NST / Short Bit	XDS Diamond Shoe w/ 2.25" FJWP Box (Body - 2.25" OD x 1.875" ID x 36"
NST / Short Bit	XDS Diamond Shoe w/ 2.25" FJWP Box (Body - 2.25" OD x 1.875" ID x 36"
Short Bit	SXDS Diamond Shoe w/ 1-1/4" CS Box (1.86" OD)
Short Bit	SXDS Diamond Shoe w/ 1" CS Box (Body - 1.70" OD x 1.30" ID x 3' Long)
NST	XDS Diamond Shoe w/ 2-1/16" CWP Box Connection (Body 2.06" OD)
NST	SXDX Diamond Shoe w/ 1-1/4" CS Box (Body - 1.86" OD x 1.45 ID x 5' Long)
NST	SXDS Diamond Shoe w/ 2-1/2" FJWP Box (Body - 2.30" OD x 1.675 ID)
NST	2.75" OD XDS Diamond She w/ 2.7" FJWP B (Body 2.75" OD x 2.0" ID x 42")
Short Bit / NST	2.30" OD SXDS Diamond Shoe w/ 2.25" WP Box
LONG BURNING SHOES	
Manufacture	Description
Tri Tech / Hard Metal Advantage	Washpipe Shoe w/2-1/4" FJWP Box (Body - 2.25" OD x 1.93" ID)
Tri Tech Machine	Washpipe Shoe w/2.72" FJWP Box (Body - 2.70" OD x 2.25" ID)
Tri Tech Machine	Shoe w/2.70" FJWP Box built to TTS Specs (Body - 2.70" OD X 2.28" ID X 28" Long)
Hard Metal Advantage	Shoe 2-1/16" CS Box (Body - 2.50" OD x 3' Long)
Hard Metal Advantage	Shoe 2-1/16" CS Box (Body - 2.50" OD x 3' Long)
LA Cajun	Shoe w/ 2-1/4" FJWP Box (Body - 2.50" OD x 2" ID x 3')
LA Cajun	Shoe w/ 2-1/4" FJWP Box (Body - 2.50" OD x 2" ID x 3')
Inventory	Washpipe Shoe w/2-1/4" FJWP Box (Body - 2.25" OD x 1.93" ID)
NST	Shoe w 3-3/4" FJWP Box (36" Long)
HMA	Shoe w 3-3/4" FJWP Box (36" Long)
HMA	Washpipe Shoe w/ 2.70" FJWP Box (2.70" OD)
HMA	Washpipe Shoe w/2-1/4" FJWP Box (Body - 2.25" OD x 1.93" ID)
NST	Washpipe Shoe w/ 2.70" FJWP Box (2.70" OD)
NST	Shoe w 3-3/4" FJWP Box (36" Long) (3.75")
NST	Shoe w 3-3/4" FJWP Box (36" Long) (3.75")
NST / HMA	Shoe w/ 1-1/4" CS Box (Body - 2.500" OD x 1.90" ID x 29' Long)
NST	Shoe w/ 2.25" FJWP Box (Body - 2.25" OD x 1.875" ID x 3' Long)
NST	Shoe w/ 2.25" FJWP Box (Body - 2.25" OD x 1.875" ID x 3' Long)
NST	Shoe w/ 2.25" FJWP Box (Body - 2.25" OD x 1.875" ID x 3' Long)
NST	Shoe w 3-5/8" FJWP Box (36" Long)
HMA	Flat Bottom Inserted Shoe w/ V-Slots x 2.70" FJWP Box (Body - 2.70" OD x 2.25" ID x 5' Long)
NST	2.25" OD Washpipe Shoe w/ 2.25" FJWP B
NST	3-3/4" OD Washpipe Shoe w/ 3-3/4" WP Box
NST	3.625" Washpipe Shoe w/ 3.625" TS FJWPB

Manufacture	Description
BURNING SHOES	
Manufacture	Description
Tri Tech Machine	2" x 1.75" Shoe w/FJ Box
Tri Tech Machine	Shoe w/1" MT Box (Body - 2.03" OD x 1.60" ID)
Tri Tech Machine	Washpipe Shoe w/2-1/4" FJWP Box (Body - 2.25" OD x 1.93" ID)
Tri Tech Machine / HMA	Washpipe Shoe w/2-1/4" FJWP Box (Body - 2.25" OD x 1.93" ID)
	Washpipe Shoe w/ 1.86" FJWP Box (Body - 1.83" OD x 1.60" ID)
HMA/Frontline	2.125" OD Flat Bottom Insert w/ 1.86" FJWP Box
HMA	1.86" Flat Bottom Inserted Shoe w/ 1.86" FJWP Box
HMA	Shoe w/ 1-1/4" CS Box
HMA	2.125" OD x 30" Flat Bottom Inserted Shoe w/ 1.86" FJWP
HMA	Shoe w/ 1-1/4" CS Box
HMA	Shoe w/ 1-1/4" CS Box
HMA	Washpipe Shoe w/2-1/4" FJWP Box (Body - 2.25" OD x 1.93" ID)
HMA	Shoe w/ 1-1/4" CS Box (Body - 2.25" OD x 1.600" ID)
HMA	Washpipe Shoe w/2-1/4" FJWP Box (Body - 2.25" OD x 1.93" ID)
HMA	Washpipe Shoe w/2-1/4" FJWP Box (Body - 2.25" OD x 1.93" ID)
HMA	Shoe w/ 1-1/4" CS Box (2.25" OD)
HMA	Shoe w/ 1-1/4" CS Box (2.25" OD)
HMA	Shoe w/ 1-1/4" CS Box (2.25" OD)
HMA	1.86" Oceanwave Shoe w/ 1.86" WP Box
NST / HMA	Washpipe Shoe w/2-1/4" FJWP Box (Body - 2.25" OD x 1.93" ID)
HMA	Shoe w/ 2.25" FJWP Box (Body - 2.25" OD x 1.85" ID x 1.21' Long)
HMA	Shoe w/ 1.86" FJWP Box (Body - 1.86" OD x 1.59" ID x 36" Long)
NST	2.25" OD Washpipe Shoe w/ 2.25" FJWP B
NST	1.86" OD Washpipe Shoe w/ 1.86" FJWP B
Louisiana Cajun Machine	Washpipe Top Sub - 1" MT Box x 1.86" FJWP Pin
Louisiana Cajun Machine	Washpipe Top Sub - 1" MT Box x 1.86" FJWP Pin
Shop	Washpipe Shoe w/2-1/4" FJWP Box (Body - 2.25" OD x 1.93" ID)
Tri Tech Machine	Shoe w/ 2-1/16" CS Box
Tri Tech Machine	Shoe w/ 2-1/16" CS Box
Louisiana Cajun Machine	Washpipe Shoe w/ 1.86" FJWP Box (Body - 1.83" OD x 1.60" ID)
Tri Tech Machine	2" x 1.75" Shoe w/FJ Box
HMA	Washpipe Shoe w/2-1/4" FJWP Box (Body - 2.25" OD x 1.93" ID)
HMA	Shoe w/ 1" CS Box (Body - 1.86" OD x 1.60" ID)
HMA	Washpipe Shoe w/2-1/4" FJWP Box (Body - 2.25" OD x 1.93" ID)
HMA	Shoe w/ 1" CS Box
HMA	Shoe w/ 1" CS Box
HMA	Shoe w/ 1" CS Box
HMA	Shoe w/ 1" CS Box
VOT	2.30" OD Cut Lip Guide f/ 2.30" OD Continuous Overshot
HMA	2.50" Washpipe Guide w/ 2-1/4" WP Box
HMA	2.70" Washpipe Guide w/ 2-1/4" WP Box

Manufacture	Description
HMA	1.86" Flat Bottom Inserted Shoe w/ 1.86" WP Box
Shelf	Washpipe Shoe w/2-1/4" FJWP Box (Body - 2.25" OD x 1.93" ID)
HMA	2.50" Washpipe Guide w/ 2-1/4" WP Box
HMA	2.70" Washpipe Guide w/ 2-1/4" WP Box
HMA	Shoe w/ 1" CS Box (Body - 1.86" OD x 1.50" ID x 3' Long)
HMA	Shoe w/ 1.86" FJWP Box (Body - 1.86" OD x 1.59" ID x 36" Long)
HMA	Shoe w/ 1" CS Box (Body - 1.86" OD x 1.60" ID x 3' Long)
NST	Shoe w/ 2.25" FJWP Box (Body - 2.25" OD x 1.875" ID x 3' Long)
NST	2.100" OD Shoe w/ 2" Cutlip w/ 2-1/16" CWP Box
NST	2.100" OD Shoe w/ 2-1/16" CWP Box
Tri Tech Machine	2.25" OD x 1.93" ID x 5' Long Washpipe w/ 2-1/4" FJWP Box X Pin
Off Shelf	Shoe w/ 1-1/2" CS Box (2.60")
HMA	1.86" Flat Bottom Inserted Shoe w/ 1.86" FJWP Box
SHOP SHOE	Washpipe Shoe w/2-1/4" FJWP Box (Body - 2.25" OD x 1.93" ID)

CONTINUOUS OVERSHOT ITEMS AND PACKOFF ITEMS

Manufacture	Description
Venturi Oil Tools	Crossover f/2.30 Con't O/S X 2 1/16 CSP
Venturi Oil Tools	Crossover f/2.30 Cutting O/S X 2 1/16 CSP
Venturi Oil Tools	Crossover sub f/2.30 Con't O/S X 2 1/16 CSP
Service Machine	Crossover Sub - Continuous Overshot Box x 2.25" FJWP Pin
Service Machine	Crossover Sub - Continuous Overshot Box x 2.25" FJWP Pin
Service Machine	Crossover Sub - Continuous Overshot Box x 2.70" FJWP Pin
Service Machine	Crossover Sub - Continuous Overshot Box x 2.70" FJWP Pin
Service Machine	Crossover Sub - Cutting Overshot Box x 2.25" FJWP Pin
Service Machine	Crossover Sub - Cutting Overshot Box x 2.25" FJWP Pin
Service Machine	Crossover Sub - Cutting Overshot Box x 2.70" FJWP Pin
Service Machine	Crossover Sub - Cutting Overshot Box x 2.70" FJWP Pin
Venturi Oil Tools	Crossover f/2.30 Cutting O/S X 2 1/16 CSP
Venturi Oil Tools	2.500" OD Hillside T-Slot Guide f/2.30" Conn. O/S
Thru Tubing Technology	2.500" OD Plain Guide f/2.500" OD Cutting O/S
Thru Tubing Technology	2.500" OD Plain Guide f/2.500" OD Cutting O/S
Thru Tubing Technology	2.500" OD Plain Guide f/2.500" OD Cutting O/S 1"
Thru Tubing Technology	2.50" OD Hill Side T-Slot Guide
Venturi Oil Tools	2.30" OD Guide f/2.30" OD Continuous Overshot
Thru Tubing Technology	2.70" OD Cut Lip Guide f/ 2.06" OD Snipper Overshot
Tri Tech Machine	1.85" OD Continuous Overshot High Side Guide (2.70" OD)
Tri Tech Machine	2.70" OD Overshot Guide f/ 2.06" OD Snipper Overshot
Tri Tech Machine	2" x 1.75" Shoe w/FJ Box
Tri Tech Machine	2.70" OD V-Slot Guide f/2.70" OD Continuous Overshot
Venturi Oil Tools	2.06" OD Hillside Guide f/1.25" Coil
Venturi Oil Tools	2.30" Cutting OS Guide

Manufacture	Description
Venturi Oil Tools	2.50" OD Oversize Guide f/1-1/2" Coil w/ 2.30" OS Conn.
Thru Tubing Techology	2.06" OD Continuous Overshot Guide
Thru Tubing Techology	2.06" OD Continuous Cutting Overshot Guide
Thru Tubing Techology	2.06" OD Continuous Overshot Guide
Thru Tubing Techology	2.06" x 2.30" OD Continuous Cutting Overshot Guide
Venturi Oil Tools	2.50" OD Oversize Guide f/2.30" OD Continous Cutting Overshot
Hard Metal Advantage	2.50" OD Guide f/2.06" OD Continuous Cutting Overshot
VOT	1.85" OD Plain Guide f/ 1.85" OD Continuous Overshot
VOT	2.500" OD Plain Guide for 2.300" OD Continuous Overshot
VOT	2.300" OD Hillside Guide w/ 2.30" OD Continuous Cutting Overshot
VOT	2.300" OD Hillside Guide w/ 2.30" OD Continuous Cutting Overshot
VOT	2.30" OD Continuous Overshot Scallop Guide w/ 2.30" OD Continuous Overshot Box
VOT	2.06" OD Guide w/ 2.06" OD Continuous Cutting Overshot
Owen Oil Tools	2.063" OD Plain Guide f/ 2.063" OD Snipper Overshot
VOT	1.86" Continuous Overshot Hillside Guide w/1.86" COS Box
VOT	2.300" OD Continuous Cutter Guide w/ 2.3006" CC Box
VOT	2.06" OD Continuous Gutter Guide w/ 2.06" CC Box
VOT	2.30" OD Cut Lip Guide f/ 2.30" OD Continuous Overshot
VOT	1.86" Continuous Overshot Scallop Guide w/ 1.86" COS Box
VOT	1.86" OD Continous Overshot Guide f/ 1.86" OD Continuous Overshot
VOT	1.86" OD Continous Overshot Guide f/ 1.86" OD Continuous Overshot
NST	3.2" OD Cut Lip Guide f/ 2.06" Snipper Overshot w/ 1-1/2" CS Box
NST	2.30" OD Hillside Guide f/ 2.30" OD Cutting Overshot
HMA	1.86" OD Hillside Guide w/ CCOSB
VOT	2.30" OD Continuous Overshot Scallop Guide w/ 2.30" OD Continuous Overshot Box
NST	2.30" OD Hillside Guide f/ 2.30" OD Continuous Overshot
Thru Tubing Technology	1.85" OD Continuous Overshot
Thru Tubing Technology	2.06" OD Cutting Overshot Top Sub
Thru Tubing Technology	2.06" OD Cutting Overshot (snipper)
K & R MANUFACTURING	2.70" OD Cut Lip Guide f/ 2.06" OD Snipper Overshot
Thru Tubing Technology	1.85" OD Continuous OverShot
Thru Tubing Techology	2.500" OD Pack Off w/2-1/16" CS Box x Pin
Thru Tubing Techology	2.500" OD Cutting Overshot w/2-1/16" CS Box
Thru Tubing Technology	2.06" OD Cutting Overshot
Venturi Oil Tools	2.30" OD Pack Off Sub w/2-1/16" CS Box x Pin
Venturi Oil Tools	2.30" OD Cutting Overshot w/2-1/16" CS Box x Pin
Venturi Oil Tools	2.30" Cutting Overshot w/2-1/16" CS Box x Pin
Venturi Oil Tools	2.30" Cutting Overshot w/2-1/16" CS Box x Pin
Thru Tubing Techology	2.06" OD Continuous Cutting Overshot w/1-1/4" CS Box

Manufacture	Description
Thru Tubing Techology	2.06" OD Continuous Cutting Overshot w/1-1/4" CS Box
Thru Tubing Techology	2.06" OD Continuous Cutting Overshot w/1-1/4" CS Box
Thru Tubing Techology	2.06" OD Packoff w/ 1-1/4" CS Box
Thru Tubing Technology	2.50" OD Cutting Overshot w/2-1/16" CS Box
VOT	1.85" OD Pack Off w/ 1-1/4" CS Box x Pin
VOT	1.85" OD Pack Off w/ 1-1/4" CS Box x Pin
VOT	1.86" OD Continous Overshot w/ 1-1/4" CS Box
VOT	1.86" OD Continous Overshot w/ 1-1/4" CS Box
VOT	2.30" OD Continuous Cutting Overshot w/ 2-1/16" CS Box w/ Bowl
VOT	2.30" OD Pack Off Sub w/ 2-1/16" CS Box x Pin

LONG BURNING SHOES

Manufacture	Description
Venturi Oil Tools	Dressed Cage Housing w/1-11/16" CWP Box
NST	2.70" OD x 2.25" ID x 5' Long Washpipe w/ 2.725" FJWP Box X Pin
HMA	Shoe w/ 1-1/4" CS Box (Body - 2.500" OD x 2.10" ID)
HMA	Shoe w/ 1-1/4" CS Box (Body - 2.500" OD x 2.10" ID)
HMA	Shoe w/ 1" CS Box
HMA	Shoe w/ 1-1/4" CS Box (Body - 1.85" OD x 1.56" ID)
HMA	Shoe w/ 1-1/4" CS Box
HMA	1.86" OD x 36" Ocean Wave Inserted Shoe w/ 1.86" FJWP Box
HMA	Shoe w/ 1-1/4" CS Box (2.25" OD)
HMA	Shoe w/ 1-1/2" CS Box (2.70")
HMA	Shoe w/ 1-1/2" CS Box (2.70")
HMA	Shoe w/ 1" CS Box (Body - 1.86" OD x 1.60" ID x 3' Long)
NST	Shoe w/ 1-1/2" CS Box (2.70")
HMA	Shoe w/ 1.86" FJWP Box (Body - 1.86" OD x 1.59" ID x 60" Long)
NST	Shoe w/ 1" CS Box (Body - 1.70" OD x 1.30" ID x 3' Long)
NST	Shoe w/ 2.25" FJWP Box (Body - 2.25" OD x 1.875" ID x 4' Long)

4-1/2" WASHPIPE AND SHOES

Manufacture	Description
NST	4.5" OD Wash Pipe w/ 4.5" WP B x P
NST	4.50" OD x 3.85" ID x 10' Long Washpipe N-80 w/4.50" FJWP
NST	4.5" OD Wash Pipe w/ 4.5" WP B x P
NST	4.5" OD Wash Pipe w/ 4.5" WP B x P
NST	4.5" OD Wash Pipe Shoe w/ 4.5" WP B
NST	4.5" OD Wash Pipe Shoe w/ 4.5" WP B
NST	4.5" OD Wash Pipe Shoe w/ 4.5" WP B
NST	3-5/8" Scallop Washpipe Shoe w/ 3-5/8" WP Box
Halford Milling	Shoe w/Brass Sleeve w/4-1/2" FJWP Box (4.50" OD)

Manufacture	Description
Tri Tech / Hard Metal Advantage	Shoe w/Brass Sleeve w/4-1/2" FJWP Box (5.0" OD)
Tri Tech Machine	4.50" OD Guide w/5.25" OD Sleeve for 3-3/8" OD Snipper Overshot
Tri Tech Machine	4.50" OD Guide w/5.25" OD Sleeve for 3-3/8" OD Snipper Overshot

BOW SPRING CENTRALIZERS AND INVERTIBLE PACKERS

Manufacture	Description
Thru Tubing Technology	1.69" OD Mechanical Bow Spring Centralizer w/1" MT Box x Pin
Thru Tubing Technology	2.125" OD Mechanical Bow Spring Centralizer w/1" MT Box x Pin
Tri Tech Machine	1.69" OD Mechanical Bow Spring Centralizer w/1" MT Box x Pin
Owen Oil Tools	1.69" OD Mechanical Bow Spring Centralizer w/1" MT Box x Pin
Owen/TTT	1.69" Hydraulic Bowspring Centralizer w/ 1" MT Box x Pin
JPP	2.562" OD Invertible Packer w/1-1/2" CS Box x Pin for 3-1/2" Tubing
JPP	2.562" OD Invertible Packer w/1-1/2" CS Box x Pin for 3-1/2" Tubing
JPP	2.50" OD Invertible Packer w/1-1/2" CS Box x Pin for 3-1/2"
JPP	2.50" OD Invertible Packer w/1-1/2" CS Box x Pin for 3-1/2"
JPP	2.125" OD Invertible Packer w/1-1/4" CS Box x Pin for 2-7/8" Tubing
Petro Tech	2.125" OD Invertible Packer w/1-1/4" CS Box x Pin for 2-7/8" Tubing
JPP	2.125" OD Invertible Packer w/1-1/4" CS Box x Pin for 2-7/8" Tubing
JPP	2.125" OD Invertible Packer w/1-1/4" CS Box x Pin for 2-7/8" Tubing
JPP	2.125" OD Invertible Packer w/1-1/4" CS Box x Pin for 2-7/8" Tubing
JPP	2.125" OD Invertible Packer w/1-1/4" CS Box x Pin for 2-7/8" Tubing
JPP	2.125" OD Invertible Packer w/1-1/4" CS Box x Pin for 2-7/8" Tubing
KLX	2.5" OD Invertible Packer w/ 1-1/2" MT Box x Pin
JPP	1.69" OD Invertible Packer w/1" CS Box x Pin for 2-3/8" Tubing
JPP	1.69" OD Invertible Packer w/1" CS Box x Pin for 2-3/8" Tubing
JPP	1.69" OD Invertible Packer w/1" CS Box x Pin for 2-3/8" Tubing
JPP	1.69" OD Invertible Packer w/1" CS Box x Pin for 2-3/8" Tubing
Innovative Design	1.69" OD Invertible Packer w/1" CS Box x Pin for 2-3/8" Tubing
JPP	1.69" OD Set-Down Uploader w/ 1" MT Box x Pin

WASH PIPE AND VJJB EXTENSIONS

Manufacture	Description
Tri Tech Machine	1.96" OD x 5' Long Special Washpipe w/ESS FJWP Box x Pin
Tri Tech Machine	1.96" OD x 5' Long Special Washpipe w/ESS FJWP Box x Pin
Tri Tech Machine	1.96" OD x 5' Long Special Washpipe w/ESS FJWP Box x Pin
Tri Tech Machine	1.96" OD x 5' Long Special Washpipe w/ESS FJWP Box x Pin
Venturi Oil Tools	1.69" OD Venturi Jet Basket Extension w/ 1-11/16" CWP Box x Pin
Venturi Oil Tools	1.69" OD Venturi Jet Basket Extension w/ 1-11/16" CWP Box x Pin
Venturi Oil Tools	1.69" OD Venturi Jet Basket Extension w/ 1-11/16" CWP Box x Pin
Venturi Oil Tools	1.69" OD Venturi Jet Basket Extension w/ 1-11/16" CWP Box x Pin

Manufacture	Description
Venturi Oil Tools	1.69" OD Venturi Jet Basket Extension w/ 1-11/16" CWP Box x Pin
Venturi Oil Tools	1.69" OD Venturi Jet Basket Extension w/ 1-11/16" CWP Box x Pin
Venturi Oil Tools	1.69" OD Venturi Jet Basket Extension w/ 1-11/16" CWP Box x Pin
Venturi Oil Tools	1.69" OD Venturi Jet Basket Extension w/ 1-11/16" CWP Box x Pin
Venturi Oil Tools	1.69" OD Venturi Jet Basket Extension w/ 1-11/16" CWP Box x Pin
Venturi Oil Tools	1.69" OD Venturi Jet Basket Extension w/ 1-11/16" CWP Box x Pin
Venturi Oil Tools	1.69" OD Venturi Jet Basket Extension w/ 1-11/16" CWP Box x Pin
Venturi Oil Tools	1.69" OD Venturi Jet Basket Extension w/ 1-11/16" CWP Box x Pin
Venturi Oil Tools	2.06" OD Venturi Jet Basket Extension w/ 2-1/16" CWP Box x Pin
Venturi Oil Tools	2.06" OD Venturi Jet Basket Extension w/ 2-1/16" CWP Box x Pin
Venturi Oil Tools	2.06" OD Venturi Jet Basket Extension w/ 2-1/16" CWP Box x Pin
Venturi Oil Tools	2.06" OD Venturi Jet Basket Extension w/ 2-1/16" CWP Box x Pin
Venturi Oil Tools	2.06" OD Venturi Jet Basket Extension w/ 2-1/16" CWP Box x Pin
Venturi Oil Tools	2.06" OD Venturi Jet Basket Extension w/ 2-1/16" CWP Box x Pin
NST	1.86" OD x 1.60" ID x 5' Long Washpipe w/ 1.86" FJWP Box x Pin
NST	1.86" OD x 1.60" ID x 5' Long Washpipe w/ 1.86" FJWP Box x Pin
Venturi Oil Tools	3.125" OD Venturi Jet Basket Extension x 3-1/8" CWP Box x Pin
Venturi Oil Tools	3.125" OD Venturi Jet Basket Extension x 3-1/8" CWP Box x Pin

DOWNHOLE FILTERS, HAMMERS, SHEAR FORCE SUBS, DITCH MAGNETS, PUP JTS

Manufacture	Description
Hunter DownHole	2.125" OD Downhole Inline Filter w/1-1/2" MT Box x Pin
Hunter DownHole	1.69" OD Downhole Inline Filter w/1" MT Box x Pin
Hunter DownHole	1.69" OD Downhole Inline Filter w/1" MT Box x Pin
Hunter Downhole	2.125" OD Downhole Inline Filter w/1-1/2" MT Box x Pin
Hunting	1.69" OD Hammerhead Accelerator w/ 1" MT Box x Pin
Hunting	1.69" OD Hammerhead Accelerator w/ 1" MT Box x Pin
Hunting	1.69" OD Impact Hammer, Upstroke w/ 1" MT Box x Pin
Hunting	1.69" OD Impact Hammer, Upstroke w/ 1" MT Box x Pin
Hunting	2.125" OD Hammerhead Accelerator w/ 1-1/2" MT Box X Pin
Hunting	2.125" OD Impact Hammer, Downstroke w/ 1-1/2" MT Box x Pin
Hunting	2.125" OD Impact Hammer, Upstroke w/ 1-1/2" MT Box x Pin
Hunter	1.69" OD Hammer w/ 1" CS Box x 1" MT Pin
Hunter	1.69" OD Hammer w/ 1" CS Box x 1" MT Pin
DTI	1.69" OD Accelerator w/ 1" MT Conn.
Venturi Oil Tools	1.69" OD Shear Force Sub 1" MT Box x Pin
Venturi Oil Tools	1.69" OD Shear Force Sub 1" MT Box x Pin
Venturi Oil Tools	1.69" OD Shear Force Sub 1" MT Box x Pin
Pageco Tools	24" Ditch Magnet
Pageco Tools	24" Ditch Magnet
Pageco Tools	24" Ditch Magnet

Manufacture	Description
Downhole oil tools	Pup Joint w/ 2-3/8 PH-6 Box x Pin (6ft P-110)
Downhole oil tools	Pup Joint w/ 2-3/8 PH-6 Box x Pin (6ft P-110)
Pup Joint, Inc.	2-3/8" OD Pup Joint (6ft P-110)
WASHPipe EXTENSIONS	
Manufacture	Description
HMA/Frontline	2.125" OD x 5' Long Special Washpipe w/1.86" FJWP Box x Pin
HMA/Frontline	2.125" OD x 5' Long Special Washpipe w/1.86" FJWP Box x Pin
HMA/Frontline	2.125" OD x 5' Long Special Washpipe w/1.86" FJWP Box x Pin
NST	2.25" OD x 5' Long Washpipe w/ 2.25" FJWP B x P
Tri Tech Machine	2.25" OD x 1.93" ID x 5' Long Washpipe w/ 2-1/4" FJWP Box X Pin
NST	1.86" OD x 1.60" ID x 5' Long Washpipe w/ 1.86" FJWP Box x Pin
K & R Manufacturing	2.25" OD x 1.93" ID x 5' Long Washpipe w/ 2-1/4" FJWP Box X Pin
NST	2.25" OD x 5' Long Washpipe w/ 2-1/4" FJWP Box x Pin
NST	2.25" OD x 1.93" ID x 5' Long Washpipe w/ 2-1/4" FJWP Box X Pin
NST	2.25" OD Washpipe w/ 2.25" FJWP BxP
Tri Tech Machine	2.25" OD x 1.93" ID x 5' Long Washpipe w/ 2-1/4" FJWP Box X Pin
NST	1.86" OD x 1.61" ID x 5' Long Washpipe w/ 1.86" FJWP Box x Pin
NST	2.70" OD x 2.25" ID x 5' Long Washpipe w/ 2.725" FJWP Box X Pin
NST	1.86" OD x 1.60" ID x 5' Long Washpipe w/ 1.86" FJWP Box x Pin
NST	2.70" OD x 2.25" ID x 5' Long Washpipe w/ 2.725" FJWP Box X Pin
NST	2.70" OD x 2.25" ID x 5' Long Washpipe w/ 2.725" FJWP Box X Pin
NST	2.70" OD x 2.25" ID x 5' Long Washpipe w/ 2.725" FJWP Box X Pin
NST	2.70" OD x 2.25" ID x 5' Long Washpipe w/ 2.725" FJWP Box X Pin
NST	2.70" OD x 2.25" ID x 5' Long Washpipe w/ 2.725" FJWP Box X Pin
Tri Tech Machine	2.725" OD x 2.25" ID x 5' Long Washpipe w/ 2.725" FJWP Box X Pin
Thru Tubing Technology	1.69" OD Torque Thru Knuckle Joint w/1" MT Box x Pin
Tri Tech Machine	2.725" OD x 2.25" ID x 5' Long Washpipe w/ 2.725" FJWP Box X Pin
HMA	2.70" OD x 2.25" ID x 5' Long Washpipe w/ 2.70" FJWP Box X Pin
NST	2.70" OD x 2.23" ID x 5' Long Washpipe w/ 2.70" FJWP Box x Pin
NST	3.625" OD x 5' Long Washpipe w/ 3-5/8" FJWP Box x Pin
NST	3.625" OD x 5' Long Washpipe w/ 3-5/8" FJWP Box x Pin
NST	3.75" OD X 5' Long Washpipe w/ 3-3/4" FJWP Box x Pin
NST	3.625" Washpipe Extension w/ 3.625" TS FJWP BxP
NST	3.625" Washpipe Extension w/ 3.625" TS FJWP BxP
LARGE STABILIZERS	
Manufacture	Description
NST	5-7/8" OD Fixed Bladed Stabilizer w/ 2-3/8" Reg. Box x Pin
NST	6" OD Fixed Bladed Stabilizer w/ 2-3/8" Reg. Box x Pin
NST	8" OD Fixed Blade Stabilizer w/ 2-3/8" Reg. Box x Pin
NST	9" OD Fixed Blade Stabilizer w/ 2-3/8" Reg Box x Pin

Manufacture	Description
NST	12" OD Fixed Bladed Stabilizer w/ 2-3/8" Reg. Box x Pin
NST	12" OD Fixed Blade Stabilizer w/ 2-3/8" Reg Box x Pin
MISC CROSSOVERS/TCB	
Manufacture	Description
NST	Triple Connection Bushing (3.75" OD) - 1-1/2" MT Box x 2-3/8" PAC Pin x 3.75" FJWP Pin
NST	Washpipe Top Sub - 3-1/8" CWP Box x 3-3/4" FJWP Pin (3.125" OD)
NST	Triple Connection Bushing w/ 2-7/8" PH 6 Box x 2-3/8" PAC Box x 5-1/2" FJWP Pin (Body - 5.50" OD x 1.375" ID x 2.3" Long)
NST	Triple Connection Bushing (3.125" OD) - 2-3/8" PH-6 Box x 2-3/8" PH-6 Box x 3-3/4" FJWP Pin
NST	Triple Connection Bushing w/ 2-3/8" PAC Pin x 3-5/8" WP Pin x 1-1/2" MT Box
NST	Top Sub 2-3/8" Reg Box x 4-1/2" Wash Pipe Pin
NST	Crossover Sub - 4-1/2" Reg Box x 2-3/8" Reg Pin (5.51" OD x 12")
NST	Top Sub - 5-3/4" OD x 1" ID x 18" Long w/2-3/8" REG Pin x 5-3/4" FJWP Pin
NST	Crossover Sub w/ 3-1/8" Reg Box x 2-3/8" Reg Box (4.125" OD)
NST	Crossover Sub w/ 3-1/8" Reg Box x 2-3/8" Reg Box (4.125" OD)
K&R Manufacturing	Crossover Sub - 2-7/8" EUE 8Rnd Box x 3-1/2" PH-6 Pin
Tri Tech Machine	Crossover Sub - 2-7/8" PH-6 Box x 2-7/8" CS Pin
Logan Oil Tools	4-11/16" OD High Pressure Packoff Bushng f/ Series 150 Overshot
LCM	4-11/16" OD Ser 150 Hollow Mill Container
LCM	4-11/16" OD Ser 150 Hollow Mill Container
NST	Crossover Sub - 4-1/2" Reg Box x 2-3/8" Reg Pin (12")
NST	Crossover Sub - 4-1/2" Reg Box x 2-3/8" Reg Pin (12")
NST	Crossover Sub - 4-1/2" Reg Box x 2-3/8" Reg Pin (5.51" OD x 12")
NST	Crossover Sub - 2-7/8" EUE 8Rnd Box x 3-1/2" IF Pin (4.75" OD x 2.434" ID X 1.0" Long)
NST	Crossover Sub - 2-3/8" REG Box x 3-1/2" IF Pin
NST	Crossover Sub - 2-7/8" EUE 8Rnd Box x 3-1/2" IF Pin (4.75" OD x 2.434" ID X 1.0" Long)
Logan Oil Tools	5-3/4" High Pressure Packoff Bushing f/ Series 150 Overshot
WIRE PUSHERS/FINDERS/TCB'S	
Manufacture	Description
Fredericks Machine	2.25" OD Wire Finder Skirt w/ TCB Box
Fredericks Machine	2.25" OD Wirefinder Skirt f/ 1.69" WF Box
Fredericks Machine	1.85" OD Wirefinder Skirt f/1.69" WF Box
Fredericks Machine	1.85" OD Wirefinder Skirt f/1.69" WF Box

Manufacture	Description
Fredericks Machine	2.100" OD Wirefinder Skirt f/ 1.69" WF Box
Fredericks Machine	2.100" OD Wirefinder Skirt f/ 1.69" WF Box
Fredericks Machine	2.100" OD Wirefinder Skirt f/ 1.69" WF Box
Fredericks Machine	2.100" OD Wirefinder Skirt f/ 1.69" WF Box
Fredericks Machine	2.25" OD Wirefinder Skirt f/ 1.69" WF Box
Fredericks Machine	2.25" OD Wirefinder Skirt f/ 1.69" WF Box
Fredericks Machine	2.500" OD Wirefinder Skirt f/ 1.69" WF Box
Fredericks Machine	2.500" OD Wirefinder Skirt f/ 1.69" WF Box
Fredericks Machine	2.500" OD Wirefinder Skirt f/ 1.69" WF Box
Fredericks Machine	2.300" OD Wirefinder Skirt f/ 2.125" WF Box
Fredericks Machine	2.300" OD Wirefinder Skirt f/ 2.125" WF Box
Fredericks Machine	2.300" OD Wirefinder Skirt f/ 2.125" WF Box
Fredericks Machine	2.300" OD Wirefinder Skirt f/ 2.125" WF Box
Fredericks Machine	2.500" OD Wirefinder Skirt f/ 2.125" WF Box
Fredericks Machine	2.500" OD Wirefinder Skirt f/ 2.125" WF Box
Fredericks Machine	Triple Connection Bushing - (1.81" OD) 1" MT Box x 1" MT Pin x Int Pin (Wire Finder)
Fredericks Machine	Triple Connection Bushing - (2.30" OD) 1-1/2" MT Box x 1-1/2" MT Pin x Int Pin (Wire Finder)
Fredericks Machine	Triple Connection Bushing - (2.30" OD) 1-1/2" MT Box x 1-1/2" MT Pin x Int Pin (Wire Finder)
Tri Tech Machine	Triple Connection Bushing w/1" MT Conn.
Tri Tech Machine	1.86" OD 4 Slot Wirefinder Skirt
Tri Tech Machine	1.86" OD 6 Slot Wirefinder Skirt
Tri Tech Machine	Triple Connection Bushing (2.30"OD) - 1-1/2" MT Box x 1-1/2" MT Box x Int Pin (Wire Finder)
Tri Tech Machine	Triple Connection Bushing (2.30"OD) - 1-1/2" MT Box x 1-1/2" MT Box x Int Pin (Wire Finder)
Fredericks	Triple Connection Bushing (1.69" OD) - 1" MT Box x 1" MT Pin x Int
Fredericks	Triple Connection Bushing (1.69" OD) - 1" MT Box x 1" MT Pin x Int
Frederick's Machine	1.843" OD Wire Finder Split Skirt f/ 1.69" WF Box
La Cajun	1.86" 8-leg Wire Finder Skirt
Tri Tech Machine	2.30" Wire Finder Skirt
Fredericks Machine	1.843" Wire Finder Split Skirt
La Cajun Machine	Triple Connection Bushing (1.86"OD) - 1" MT Box x 1" MT Pin x Int Pin (Wire Finder)