Tool Sizes Required to Service Ashland Scrapers

Direct-Mount Scrapers	I-180TS2 Volvo	I-180TS2	I-175XL2	I-155XL2	I-155TS2	I-130XL2	I-130TS2	I-110XL2	I-110TS2	I-900
Hitch		.								
Hitch Pin	2-1/4"	2-1/4"	2-5/8"	2-5/8"	2-1/4"	2-5/8"	2-1/4"	2-5/8"	2-1/4"	2-1/4"
MDU Hitch	3-3/4"	3-3/4"			3-3/4"		3-3/4"		3-3/4"	
Super Swivel Hitch	3-3/4"	3-3/4"			3-3/4"		3-3/4"		3-3/4"	
Secure Hitch to Front Section	1-1/2"	1-1/2"			1-1/2'		1-1/2"		1-1/2"	
Dolly-Wheeled Scraper										
Sockets			1-5/16"	1-5/16"		1-5/16"		1-1/8"		15/16"
Ball			1-1/2"	1-1/2"		1-1/2"		1-1/8"		1-1/8"
Front Section										
Trunion Blocks	1-1/8"	1-1/8"			1-1/8"		1-1/8"		1-1/8"	
Accumulator Clamps	3/4"	3/4"			3/4"		3/4"		3/4"	
Plumbing										
Steel Hyd. Lines	1-1/4"	1-1/4"	1-1/4"	1-1/4"	1-1/4"	1-1/4"	1-1/4"	1-1/4"	1-1/4"	1-1/4"
Steel Hyd. Lines Clamps	1/2"	1/2"	1/2" 7/16"	1/2"- 7/16"	1/2" -7/16"	1/2"-7/16"	1/2"-7-16"	1/2"-7-16"	1/2"-7/16"	1/2"-7-16"
Rubber Hyd. Lines 3/4"	1-1/16"1-1/4"1-3/8"	1-1/16"1-1/4"1-3/8'	1-1/16"1-1/4"1-3/8"	1-1/16" 1-1/4"	1-1/16" 1-1/4"	1-1/16" 1-1/4"	1-1/16" 1-1/4"	1-1/16 1-1/4"	1-1/16" 1-1/4"	
Rubber Hyd. Lines 1/2"			7/8" 1-1/8"1-1/4"	7/8" 1-1/8"1-1/4"	1-1/8" 1-1/4"	7/8" 1-1/8"1-1/4"	1-1/8"1-1/4"	7/8" 1-1/8" 1-1/4"	1-1/8" 1-1/4"	7/8"1-1/4"
Bulk-Head adaptors	1-3/8"	1-3/8"	1-1/4"	1-1/4"	1-1/4"	1-1/4"	1-1/4"	1-1/4"	1-1/4"	
Dirt Shields	9/16"	9/16"								
Plumbing										
Steel Hyd. Lines	1-1/4"	1-1/4"	1-14"	1-1/4"	1-1/4"	1-1/4"	1-1/4"	1-1/4"	1-1/4"	1-1/4"
Steel Hyd. Lines Clamps	1/2"	1/2"	7/16" 1/2"	7/16" 1/2"	7/16" 1/2"	7/16" 1/2"	7/16" 1/2"	7/16" 1/2"	7/16" 1/2"	7/16" 1/2"
Rubber Hyd. Lines 3/4"	same as above	same	same	same	same	same	same	same	same	
Rubber Hyd. Lines 1/2"	same as above	same	same	same	same	same	same	same	same	same
Blades										
Blades	1-1/2"	1-1/2"	1-15/16"	1-15/16"	1-15/16"	1-15/16"	1-15/16"	1-15/16"	1-15/16"	15/16"
Automatic Sequencing Valves										
Cartridge, Sequence Jam Nut	9/16" Jam Nut	9/16" Jam Nut	9/16" Jam Nut	9/16" Jam Nut	9/16" Jam Nut	9/16" Jam Nut	9/16" Jam Nut	9/16" Jam Nut	9/16" Jam Nut	9/16" Jam Nut
Cartridge, Sequence, Adj. Set-Screw	5/32" Allen Wrench	5/32" Allen Wrench	5/32" Allen Wrench	5/32" Allen Wrench	5/32" Allen Wrench	5/32" Allen Wrench	5/32" Allen Wrench	5/32" Allen Wrench	5/32" Allen Wrench	5/32" Allen Wrenc
Cartridge, Counter Balance, Jam Nut	9/16" Jam Nut	9/16" Jam Nut	9/16" Jam Nut	9/16" Jam Nut	9/16" Jam Nut	9/16" Jam Nut	9/16" Jam Nut	9/16" Jam Nut	9/16" Jam Nut	9/16" Jam Nut
Cartridge, Counter Balance, Adj Set-Screw	5/32" Allen Wrench	5/32" Allen Wrench	5/32" Allen Wrench	5/32" Allen Wrench	5/32" Allen Wrench	5/32" Allen Wrench	5/32" Allen Wrench	5/32" Allen Wrench	5/32" Allen Wrench	5/32" Allen Wrenc
Pressure relief valve, Cap & Jam Nut						1/2" Jam Nut	1/2" Jam Nut	1/2" Jam Nut	1/2" Jam Nut	1/2" Jam Nut
Pressure relief valve, Adj. Set-Screw						3/16" Allen Wrench	3/16" Allen Wrench	3/16" Allen Wrench	3/16" Allen Wrench	3/16" Allen Wrenc
Ejector										
Dirt Shields, Ejector	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
Braces	1-7/8"	1-7/8"	1-1/8"	1-1/8"	1-1/8"	1-1/8"	1-1/8"	1-1/8"	1-1/8"	
rollers	15/16"	15/16"	15/16"	15/16"	15/16"	15/16"	15/16"	15/16"	15/16"	3/4" 1-7/8"
Slides	1-1/8"	1-1/8"								
Wear pads			3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	
Wheels										
Hub, Internal			3-3/4"3-13/16"	3-3/4"3-13/16"	3-3/4"3-13/16"	3-3/4"3-13/16"	3-3/4"3-13/16"	3-3/4"3-13/16"	3-3/43-13/16	1-7/8"
Hub, wheel nuts or bolts	22mm		1-5/8" 1-1/2"	1-5/8" 1-1/2"	1-5/8"	1-1/2"	1-1/2"	1-1/2"	1-1/2"	7/8"
Axle	1-7/8"2"	1-7/8" 2"	1-7/8"	1-7/8"	1-7/8"	1-1/2"	1-1/2"	1-1/2"	1-1/2"	1-1/2"
Brakes (VCE machines only)										
Brakes	3/4"1-1/2"20mm 3/16Hex	3/8Hex								
Miscellaneous										
Grease fitting	5/16"7/16"	5/16"7/16"	5/16"7/16"	5/16"7/16"	5/16"7/16"	5/16"7/16"	5/16"7/16"	5/16"7/16"	5/16"7/16"	5/16"7/16"
Grease Lines	7/16"1/2"	7/16"1/2"	7/16"1/2"	7/16"1/2"	7/16"1/2"	7/16"1/2"	7/16"1/2"	7/16"1/2"	7/16"1/2"	7/16"1/2"
Apron Pivot Pins	15/16"									
Dirt Shields	9/16"	9/16"	9/16"	9/16"	9/16"	9/16"	9/16"	9/16"	9/16"	