

Technical Specifications DRF-12x3 and DRF-12x4

		Inches	Metric
Capacity	Infeed	.002 to 1.5	.05 - 38
	Thrufeed	.002 to 1.5	.05 - 38
Length	Diamond Roll Width Capability	12 Feet on .5" Diameter 3" Part Length	366cm on 25mm Diameter 76mm Part Length
Wheels DRF-12x4	DRF-12x4 Grinding Wheel Max	12" Diameter x 4" Wide	304mm Diameter to 102mm wide
	DRF-12x4 Grinding Wheel Min	10" Diameter x .25" Wide	254mm Diameter to 6mm wide
	DRF-12x4 Regulating Wheel Min	4" Diameter x .125" Wide	102mm Diameter to 3.17mm wide
	DRF-12x4 Regulating Wheel Max	6" Diameter x 4" Wide	152mm Diameter to 102mm wide
Diamond Roll	Diameter	3.75" Diameter	94.25mm Diameter max
	Width	3.250" Wide	82.5mm wide
	Bore	2"	50.8mm
Regulating Wheel Head	Maximum Swivel for taper grinding	5 degrees to the left, 5 degrees to the right	
	Maximum Angle of Tilt for thrufeed grinding	6 degrees to the left, 6 degrees to the right	
Spindle Speeds	Grinding Wheel	constant speed 2040 rpm, 6400 sf/m (32.5 meters / sec)	
	Regulating Wheel	infinity variable from 20 - 500 rpm	
	Optional	variable speed grinding wheel system Servo Regulating Wheel Drive System	
	DRF Motor	1/3hp - 1750 rpm	
Electrical Equipment	Main Drive	7.5hp (10hp optional) 1725 rpm double end spindle, totally enclosed, fan cooled	
	Coolant Pump	1/6 hp 3450 rpm, 12 gallon / minute at 5 psi / 45l / minute at .35kg / cm2	
	Hydraulic Pump	1/4 hp 1725 rpm, .5 gallon / minute at 50 psi / 1.9L / minute at 10.5kg / cm2	
	Transformer	500 va	
	Voltages Supported	200, 208, 230, 380, 460, 480, 575 (50 or 60 Cycle)	
Hydraulic Tank	4 Gallon Capacity (15 Liters)		
Power Transmission	Grinding Wheel	"V" Belts	
	Regulating Wheel	Variable Speed Drive	
	Optional	Precision Balance Package On-Line Grinding Wheel Balancing	
	DRF Spindle	Timing Belt	
Coolant Equipment	3 Stage 40 Gallon Tank (151 Liters)		
Diamond Tools	Grinding Wheel Dresser	1ct.	
	Regulating Wheel Dresser	1/3 ct	
	Diamond Roll	Diamond Impregnated	
Weight	2300 lbs (1272 kg)		

