

Arc Radius of a Grinding Wheel

Arc Radius is the arc generated by the wheel face based upon the diameter and the Sin of the face angle. (Note 18" wheel at 15 degree angle generates an arc with a 34.8" Radius or (69.6" diameter).

		Wheel Diameter inches			
		16	18	20	
Arc Radius	Wheel Radius				
	Sin of face angle				
	15	0.2588	30.9	34.8	38.6
	25	0.4226	18.9	21.3	23.7
	35	0.573	14.0	15.7	17.5
	45	0.7071	11.3	12.7	14.1
	65	0.9063	8.8	9.9	11.0
90	1	8	9	10	

