

























Stock Gears

	Description	Application	Pressure Angle (PA)		Material	
			(PA)	Thread	Worm	Gear
Spur Gears	Pinions and Gears	Parallel Shafts	14-1/2° 20° 14-1/2° 20°		Brass Brass Steel Delrin	
	Pinions and Gears	Parallel Shafts	14-1/2° 14-1/2° 20°		Non-Metallic Steel, Iron Steel, Iron	
	Change Gears	Parallel Shafts	14-1/2°		Steel, Iron	
	Stem Pinions	Parallel Shafts	14-1/2°		Steel	
	Drawn Pinion Wire	Parallel Shafts	14-1/2°		Brass Steel	
	Rack	Use with Spur Gears	14-1/2° 14-1/2° 20°		Nylon Steel Steel	
	Internal Gears	Parallel Shafts	14-1/2° 20°		Brass Brass	
Helical Gears	Helical Gears	Parallel and 90° Non-Intersecting Shafts	14-1/2°		Steel Bronze	
	Straight Miter Gears	90° Intersecting Shafts	20°		Nylon Brass Steel Iron	
Miter and Bevel Gears	Spiral Miter Gears	90° Intersecting Shafts	20°		Steel	
	Straight Bevel Gears	90° Intersecting Shafts	20°		Brass Steel Iron	
	Spiral Bevel Gears	90° Intersecting Shafts	20°		Steel	
	Worms/ Worm Gears	90° Non-Intersecting Shafts	14-1/2°	Single	Acetal Nylon	Acetal Minlon Bronze
Worms and Worm Gears	Worms/ Worm Gears	90° Non-Intersecting Shafts	14-1/2° 20° 25°	Single Double Quad	Steel	Bronze
	Worms/ Worm Gears	90° Non-Intersecting Shafts	14-1/2° 20° 25°	Single Double Quad	Steel	Iron

Reference Guide

Diametrical Pitch	Pitch Diameter	Face Width	Gear Catalog Reference Pages		
			Selection Procedure	Horsepower and Torque Ratings	Catalog Number Selection
48DP – 16DP 64DP – 24DP 32DP – 24DP 48DP – 24DP	.208" – 5.000" .250" – 6.000" .500" – 6.000" .375" – 2.500"	.062" – .313" .125" – .250" .187" – .250" .125" – .250"	37 37 37 37	38 – 40 – 38 –	6 – 9 25 – 30 7 – 8 25 – 30
16DP – 8DP 20DP – 3DP 20DP – 5DP	1.000" – 3.500" .750" – 36.000" .600" – 36.000"	.500" – 1.250" .500" – 3.000" .500" – 2.500"	37 37 37	40 – 43 39 – 45 46 – 50	10 – 12 8 – 15 30 – 34
20DP – 8DP	1.000" – 12.500"	.375" – 1.250"	37	39 – 43	16 – 20
20DP – 6DP	.287" – 1.750"	1.125" – 3.000"	37	39 – 44	21
48DP – 24DP 48DP – 24DP	.125" – .667" .125" – .667"	48" Lengths 48" Lengths	37 37	38 38	22 22
48DP – 24DP 48DP – 3DP 20DP – 4DP	.104" – .208" .104" – 1.167" .450" – 1.750"	.125" – .250" .125" – 3.000" .500" – 3.500"	37 37 37	38 38 – 45 46 – 50	23 23 35
48DP – 16DP 64DP – 24DP	1.000" – 6.000" 1.000" – 6.000"	.125" – .312" .125" – .250"	37 37	38 –	24 36
24TDP – 6TDP 8TDP – 6TDP	.333" – 6.000" 1.000" – 6.000"	.250" – 1.250" .750" – 1.250"	54 54	55 – 56 56	52 – 53 53
48DP – 16DP 48DP – 24DP 48DP – 4DP 8DP – 4DP	.312" – 2.000" .312" – 1.500" .375" – 7.000" 3.500" – 8.000"	.070" – .390" .080" – .230" .080" – 1.430" .750" – 1.333"	67 67 67 67	68 68 68 – 69 68 – 69	58 – 59 58 58 – 60 60
18DP – 5DP	1.000" – 5.000"	.220" – 1.150"	67	71	61
48DP – 24DP 20DP – 6DP 16DP – 4DP	.250" – 2.000" .500" – 6.000" 1.000" – 9.000"	.090" – .260" .180" – 1.070" .420" – 1.400"	67 67 67	70 70 70	62 62 – 65 63 – 65
30DP – 8DP	.430" – 4.250"	.140" – .710"	67	71	66
48DP – 32DP 24DP 48DP – 24DP	Worm .333" to 1.500"	Gear .417" to 4.167"	Worm .562" to .812"	Gear .156" to .219"	84 – 74 – 76
48DP – 4DP	.333" to 3.000"	.417" to 6.000"	.562" to 5.250"	.156" to 1.500"	84 85 – 86 74 – 82
16DP – 3DP	.625" to 4.000"	1.250" to 18.000"	1.000" to 5.250"	.312" to 2.000"	84 85 – 86 77 – 83

Tooth Gauge

20°P.A.	14 1/2°P.A.
 64 D.P.	
 48 D.P.	 48 D.P.
 32 D.P.	 32 D.P.
 24 D.P.	 24 D.P.
 20 D.P.	 20 D.P.
 16 D.P.	 16 D.P.
 12 D.P.	 12 D.P.
 10 D.P.	 10 D.P.
 8 D.P.	 8 D.P.
 6 D.P.	 6 D.P.
 5 D.P.	 5 D.P.
 4 D.P.	 4 D.P.
Tooth Gauge Chart is for Reference Purposes Only.	 3 D.P.