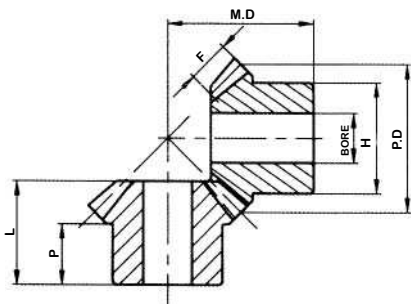


American Standard (ANSI) MPB Steel Miter Gears

Pressure Angle 20°



Bored to Size Gears
Available in Standard ANSI
or Metric (ISO) Bores,
Keyways and (2) Setscrews

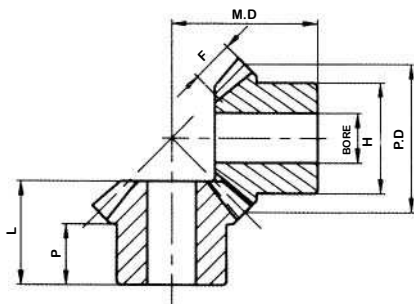


1:1 Steel - Plain Bore - Unhardened Teeth

Part No.	PD	OD	MD	Bore		Dimensions				Weight
				Stock	Max	F	L	P	H	
4DP24/24	6.00	6.36	5 1/2	1 1/2	2 3/8	1.330	3 9/16	1 15/16	4	14.50
4DP24/24A	6.00	6.36	5 1/2	1 3/4	2 3/8	1.330	3 9/16	1 15/16	4	14.00
4DP28/28	7.00	7.36	6	2	3	1.430	3 5/8	1 15/16	5	21.50
5DP25/25	5.00	5.29	4 5/8	1 3/8	2 1/4	1.100	3	1 3/4	3 1/2	8.80
5DP25/25A	5.00	5.29	4 5/8	1 1/2	2 1/4	1.100	3	1 3/4	3 1/2	8.40
5DP25/25B	5.00	5.29	4 5/8	1 3/4	2 1/4	1.100	3	1 3/4	3 1/2	7.80
6DP24/24	4.00	4.24	3 5/8	1 1/4	2	0.860	2 5/16	1 5/16	3	4.40
6DP24/24A	4.00	4.24	3 5/8	1 1/2	2	0.860	2 5/16	1 5/16	3	4.30
6DP27/27	4.50	4.74	4 1/8	1 1/4	2 3/16	0.960	2 5/8	1 1/2	3 1/4	6.30
6DP27/27A	4.50	4.74	4 1/8	1 1/2	2 3/16	0.960	2 5/8	1 1/2	3 1/4	5.90
8DP24/24	3.00	3.18	2 9/16	3/4	1	0.640	1 37/64	13/16	1 3/4	1.50
8DP24/24A	3.00	3.18	2 3/4	1	1 3/8	0.640	1 49/64	1	2 1/2	2.10
8DP24/24B	3.00	3.18	2 3/4	1 1/4	1 5/8	0.640	1 49/64	1	2 1/2	1.90
8DP28/28	3.50	3.68	3 1/4	1	1 5/8	0.750	2 3/32	1 1/4	2 1/2	2.90
8DP28/28A	3.50	3.68	3 1/4	1 3/16	1 5/8	0.750	2 3/32	1 1/4	2 1/2	2.80
8DP28/28B	3.50	3.68	3 1/4	1 1/4	1 5/8	0.750	2 3/32	1 1/4	2 1/2	2.60
8DP32/32	4.00	4.18	3 5/8	1	2	0.840	2 9/32	1 1/8	3	4.80
10DP20/20A	2.00	2.14	2	1/2	7/8	0.440	1 23/64	13/16	1 5/8	0.75
10DP20/20B	2.00	2.14	2	5/8	7/8	0.440	1 23/64	13/16	1 5/8	0.72
10DP20/20	2.00	2.14	2	3/4	7/8	0.440	1 23/64	13/16	1 5/8	0.67
10DP20/20C	2.00	2.14	2	7/8	7/8	0.440	1 23/64	13/16	1 5/8	0.58
10DP25/25	2.50	2.64	2 7/16	3/4	1 1/4	0.550	1 5/8	15/16	2	1.20
10DP25/25A	2.50	2.64	2 7/16	7/8	1 1/4	0.550	1 5/8	15/16	2	1.20
10DP25/25B	2.50	2.64	2 7/16	1	1 1/4	0.550	1 5/8	15/16	2	1.20
10DP30/30	3.00	3.14	2 3/4	3/4	1 5/8	0.640	1 3/4	1	2	1.80
12DP15/15	1.25	1.37	1 1/4	3/8	3/4	0.270	55/64	1/2	1	0.17
12DP15/15A	1.25	1.37	1 1/4	7/16	3/4	0.270	55/64	1/2	1	0.16
12DP15/15B	1.25	1.37	1 1/4	1/2	3/4	0.270	55/64	1/2	1	0.15
12DP18/18	1.50	1.62	1 1/2	1/2	7/8	0.320	1 1/64	5/8	1 1/4	0.30
12DP18/18A	1.50	1.62	1 1/2	5/8	7/8	0.320	1 1/64	5/8	1 1/4	0.25
12DP18/18	1.50	1.62	1 1/2	3/4	7/8	0.320	1 1/64	5/8	1 1/4	0.22
12DP21/21	1.75	1.87	1 3/4	1/2	1	0.390	1 3/16	11/16	1 3/8	0.45
12DP21/21A	1.75	1.87	1 3/4	9/16	1	0.390	1 3/16	11/16	1 3/8	0.45
12DP21/21B	1.75	1.87	1 3/4	5/8	1	0.390	1 3/16	11/16	1 3/8	0.43
12DP21/21C	1.75	1.87	1 3/4	3/4	1	0.390	1 3/16	11/16	1 3/8	0.38
12DP24/24	2.00	2.12	1 7/8	1/2	1	0.430	1 7/32	11/16	1 1/2	0.62
12DP30/30	2.50	2.62	2 5/16	5/8	1 1/4	0.540	1 31/64	27/32	1 3/4	1.10
14DP14/14A	1.00	1.11	1 1/16	3/8	5/8	0.190	47/64	1/2	7/8	0.10
14DP14/14	1.00	1.11	1 1/16	7/16	5/8	0.190	47/64	1/2	7/8	0.10
16DP12/12	0.75	0.84	13/16	5/16	7/16	0.160	37/64	3/8	5/8	0.10
16DP16/16	1.00	1.09	1 1/16	3/8	1/2	0.220	3/4	7/16	3/4	0.10
16DP20/20	1.25	1.34	1 1/4	7/16	5/8	0.270	27/32	1/2	1	0.20
16DP24/24	1.50	1.59	1 3/8	1/2	7/8	0.310	7/8	1/2	1	0.20
20DP20/20	1.00	1.07	1 1/8	3/8	5/8	0.230	13/16	1/2	3/4	0.10
20DP25/25	1.25	1.32	1 3/16	3/8	3/4	0.250	3/4	7/16	1	0.10
24DP24/24	1.00	1.06	29/32	1/4	1/2	0.200	9/16	9/32	5/8	0.10

American Standard (ANSI) MPB Steel Miter Gears

Pressure Angle 20°



Bored to Size Gears
Available in Standard ANSI
or Metric (ISO) Bores,
Keyways and (2) Setscrews



1:1

Steel - Plain Bore - Hardened Teeth

Part No.	PD	OD	MD	Bore		Dimensions				Weight
				Stock	Max	F	L	P	H	
4DPH24/24	6.00	6.36	5 1/2	1 1/2	2 3/8	1.330	3 9/16	1 15/16	4	14.50
4DPH24/24A	6.00	6.36	5 1/2	1 3/4	2 3/8	1.330	3 9/16	1 15/16	4	14.00
4DPH28/28	7.00	7.36	6	2	3	1.430	3 5/8	1 15/16	5	21.50
5DPH25/25	5.00	5.29	4 5/8	1 3/8	2 1/4	1.100	3	1 3/4	3 1/2	8.80
5DPH25/25A	5.00	5.29	4 5/8	1 1/2	2 1/4	1.100	3	1 3/4	3 1/2	8.40
5DPH25/25B	5.00	5.29	4 5/8	1 3/4	2 1/4	1.100	3	1 3/4	3 1/2	7.80
6DPH24/24	4.00	4.24	3 5/8	1 1/4	2	0.860	2 5/16	1 5/16	3	4.40
6DPH24/24A	4.00	4.24	3 5/8	1 1/2	2	0.860	2 5/16	1 5/16	3	4.30
6DPH27/27	4.50	4.74	4 1/8	1 1/4	2 3/16	0.960	2 5/8	1 1/2	3 1/4	6.30
6DPH27/27A	4.50	4.74	4 1/8	1 1/2	3/16	0.960	2 5/8	1 1/2	3 1/4	5.90
8DPH24/24	3.00	3.18	2 9/16	3/4	1	0.640	1 37/64	13/16	1 3/4	1.50
8DPH24/24A	3.00	3.18	2 3/4	1	1 3/8	0.640	1 49/64	1	2 1/2	2.10
8DPH24/24B	3.00	3.18	2 3/4	1 1/4	1 5/8	0.640	1 49/64	1	2 1/2	1.90
8DPH28/28	3.50	3.68	3 1/4	1	1 5/8	0.750	2 3/32	1 1/4	2 1/2	2.90
8DPH28/28A	3.50	3.68	3 1/4	1 3/16	1 5/8	0.750	2 3/32	1 1/4	2 1/2	2.80
8DPH28/28B	3.50	3.68	3 1/4	1 1/4	1 5/8	0.750	2 3/32	1 1/4	2 1/2	2.60
8DPH32/32	4.00	4.18	3 5/8	1	2	0.840	2 9/32	1 1/8	3	4.80
10DPH20/20A	2.00	2.14	2	1/2	7/8	0.440	1 23/64	13/16	1 5/8	0.75
10DPH20/20B	2.00	2.14	2	5/8	7/8	0.440	1 23/64	13/16	1 5/8	0.72
10DPH20/20	2.00	2.14	2	3/4	7/8	0.440	1 23/64	1 3/16	1 5/8	0.67
10DPH20/20C	2.00	2.14	2	7/8	7/8	0.440	1 23/64	1 3/16	1 5/8	0.58
10DPH25/25	2.50	2.64	2 7/16	3/4	1 1/4	0.550	1 5/8	15/16	2	1.20
10DPH25/25A	2.50	2.64	2 7/16	7/8	1 1/4	0.550	1 5/8	15/16	2	1.20
10DPH25/25B	2.50	2.64	2 7/16	1	1 1/4	0.550	1 5/8	15/16	2	1.20
10DPH30/30	3.00	3.14	2 3/4	3/4	1 5/8	0.640	1 3/4	1	2	1.80
12DPH15/15	1.25	1.37	1 1/4	3/8	3/4	0.270	55/64	1/2	1	0.17
12DPH15/15A	1.25	1.37	1 1/4	7/16	3/4	0.270	55/64	1/2	1	0.16
12DPH15/15B	1.25	1.37	1 1/4	1/2	3/4	0.270	55/64	1/2	1	0.15
12DPH18/18	1.50	1.62	1 1/2	1/2	7/8	0.320	1 1/64	5/8	1 1/4	0.30
12DPH18/18A	1.50	1.62	1 1/2	5/8	7/8	0.320	1 1/64	5/8	1 1/4	0.25
12DPH18/18B	1.50	1.62	1 1/2	3/4	7/8	0.320	1 1/64	5/8	1 1/4	0.22
12DPH21/21	1.75	1.87	1 3/4	1/2	1	0.390	1 3/16	11/16	1 3/8	0.45
12DPH21/21A	1.75	1.87	1 3/4	5/8	1	0.390	1 3/16	11/16	1 3/8	0.45
12DPH24/24	2.00	2.12	1 7/8	1/2	1	0.430	1 7/32	11/16	1 1/2	0.62
12DPH30/30	2.50	2.62	2 5/16	5/8	1 1/4	0.540	1 31/64	27/32	1 1/2	1.1
14DPH14/14	1.00	1.11	1 1/16	3/8	5/8	0.190	47/64	1/2	7/8	0.10
14DPH14/14A	1.00	1.1	1 1/16	7/16	5/8	0.190	47/64	1/2	7/8	0.10
16DPH15/15										
16DPH16/16	1.00	1.09	1 1/16	3/8	1/2	0.220	3/4	7/16	3/4	0.10
16DPH24/24	1.50	1.50	1 3/8	1/2	7/8	0.310	7/8	1/2	1	0.20
24DPH24/24	1.00	1.06	29/32	1/4	1/2	0.200	9/16	9/32	5/8	0.10

Ordering Example:

4DPH24/24A

4DP= 4 Diametrical Pitch

H= Hardened Teeth

24 = 1st Gear Number of Teeth

/24 = 2nd Gear Number of Teeth

A = Version



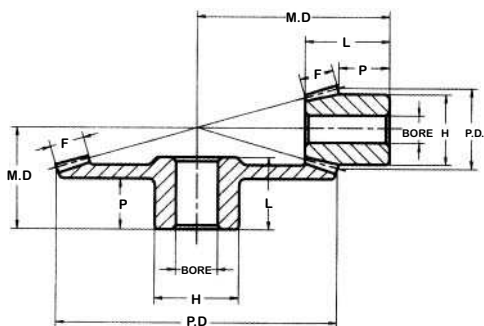
American Metric® Corporation

GROUP: 127

1-127-050103

American Standard (ANSI) MPB Steel Bevel Gears

Pressure Angle 20°



Bored to Size Gears
Available in Standard ANSI
or Metric (ISO) Bores,
Keyways and (2) Setscrews



1:3

Unhardened Steel Bevel Gears

Part No.	PD	OD	MD	Bore		Dimensions				Weight
				Stock	Max	F	L	P	H	
4DP14/42	10.50 3.50	10.59 4.17	4 7 1/4	1 1/8 1 1/8	2 1/4 1 13/16	1.420 1.420	2 11/16 3 27/64	1 1/2 1 15/16	3 3/4 3 1/4	26.4 7.0
5DP15/45	9.00 3.00	9.07 3.54	3 3/4 5 7/8	1 1/4 1	2 1/4 1 1/2	1.310 1.310	2 1/2 2 11/16	1 11/16 1 5/16	3 3/4 2 5/8	17.1 3.6
6DP15/45	7.50 2.50	7.56 2.94	3 5 1/4	1 1/8 5 1/4	2 1/4 1 1/4	1.070 1.070	2 1/8 2 9/16	1 1/4 1 7/16	3 1/4 2 1/8	10.6 2.3
8DP16/48	6.05 2.00	6.20 2.33	2 3/8 4 1/4	2 3/8 4 1/4	1 13/16 1	0.840 0.840	1 5/8 2 5/64	1 1 3/16	2 3/4 1 3/4	5.3 1.2
10DP20/60	6.00 2.00	6.04 2.27	2 3/4 4 3/8	2 3/4 4 3/8	2 1	0.780 0.780	1 29/32 2 5/32	1 3/8 1 5/16	3 1 3/4	6.3 1.2
12DP18/54	4.50 1.50	4.53 1.72	1 3/4 3	1 3/4 3	1 9/16	0.600 0.600	1 1/16 1 11/32	3/4 11/16	1 3/4 1 1/4	1.7 0.4
16DP16/48	3.00 1.00	3.02 1.17	1 5/16 2	1 5/16 2	13/16 7/16	0.420 0.420	7/8 59/64	9/16 15/32	1 1/2 7/8	0.8 0.1

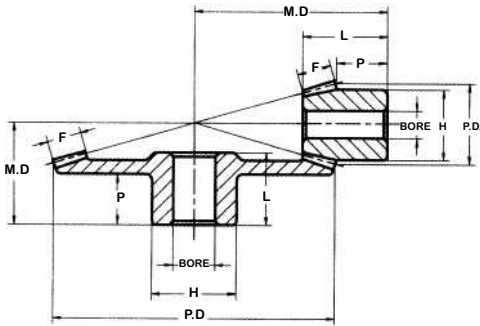
1:4

Unhardened Steel Bevel Gears

Part No.	PD	OD	MD	Bore		Dimensions				Weight
				Stock	Max	F	L	P	H	
4DP14/56	14.00 3.50	14.07 4.2	4 1/4 9	1 1/4 1 1/8	2 5/8 1 7/8	1.690 1.690	2 7/8 3 35/64	1 5/8 1 15/16	4 1/4 3 1/4	48.7 7.6
5DP15/60	12.00 3.00	12.05 3.56	3 3/4 7 1/2	1 1/4 1	2 3/8 1 4/7	1.700 1.700	2 5/8 3 13/64	1 9/16 1 7/16	4 3	31.2 5.0
6DP15/60	10.00 2.50	10.04 2.97	3 1/4 6 3/4	1 1/8 1	2 1/4 1 3/8	1.210 1.210	2 1/4 2 31/32	1 3/8 1 3/4	3 1/4 2 1/2	17.6 3.3
8DP16/64	8.00 2.00	8.03 2.35	2 3/4 5 1/4	1 7/8	1 13/16 1 1/8	0.840 0.840	1 7/8 2 3/32	1 1/4 1 7/32	2 3/4 1 7/8	9.7 1.3
8DP18/72	9.00 2.25	9.03 2.6	3 1/4 5 3/4	1 1/8 7/8	2 1 1/4	1.220 1.220	2 5/16 2 15/32	1 11/16 1 7/32	3 2 1/8	12.3 1.9
10DP15/60	6.00 1.50	6.03 1.78	2 1/4 3 7/8	7/8 5/8	1 5/8 3/4	0.720 0.720	1 5/8 1 33/64	1 1/8 27/32	2 1/2 1 7/16	4.6 0.6
12DP18/72	6.00 1.50	6.02 1.73	2 3 3/4	3/4 1/2	1 1/4 4/7	0.600 0.600	1 5/16 1 23/64	61/64 23/32	2 1 1/4	3.1 0.4
16DP16/64	4.00 1.00	4.02 1.17	1 3/8 2 1/2	5/8 1/2	1 3/8 5/8	0.480 0.480	57/64 63/64	9/16 15/32	2 1/4 13/16	1.6 0.1

American Standard (ANSI) MPB Steel Bevel Gears

Pressure Angle 20°



Bored to Size Gears
Available in Standard ANSI
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Keyways and (2) Setscrews



1:1.5 Unhardened Steel Bevel Gears

Part No.	PD	OD	MD	Bore		Dimensions				Weight
				Stock	Max	F	L	P	H	
10DP20/30	3.00 2.00	3.08 2.21	2 1/4 2 1/2	3/4 3/4	1 1/2 1 5/16	0.570 0.570	1 7/16 1 33/64	1 29/32	2 1/2 1 3/4	1.7 0.8
12DP18/27	2.25 1.50	2.32 1.67	1 3/4 1 7/8	1/2 1/2	13/16 9/16	0.410 0.410	1 1/8 1 1/8	25/32 21/32	1 1/2 1 1/4	0.6 0.2
16DP16/24	1.50 1.00	1.55 1.13	1 1/5 1 1/4	1/2 3/8	9/16 7/16	0.250 0.250	3/4 47/64	9/16 7/16	1 1/8 13/16	0.2 0.1

1:2 Unhardened Steel Bevel Gears

Part No.	PD	OD	MD	Bore		Dimensions				Weight
				Stock	Max	F	L	P	H	
3DP15/30	10.00 5.00	10.19 5.80	5 1/2 7 1/4	1 1/4 1 1/8	3 2	1.870 1.870	3 19/32 4 1/32	2 1 15/16	5 3 3/4	39.9 13.7
4DP16/32	8.00 4.00	8.10 4.60	4 1/4 6	1 1/8 1 1/8	2 1/4 1 7/8	1.400 1.400	2 11/16 3 11/32	1 9/16 1 13/16	3 3/4 3 1/4	17.6 7.5
5DP15/30	6.00 3.00	6.12 3.48	3 1/2 4 3/8	1 1/8 1	2 1/4 1 3/8	1.040 1.040	2 1/4 2 25/64	1 3/8 1 9/32	3 1/4 2 5/8	8.9 3.1
6DP18/36	6.00 3.00	6.10 3.42	3 1/2 4 3/4	1 1/8 1	2 1/4 1 7/16	1.060 1.060	2 1/4 2 49/64	1 1/2 1 9/32	3 1/4 2 1/2	8.4 3.4
6DP21/42	7.00 3.50	7.10 3.90	3 3/4 5	1 1/8 1	2 1/4 1 5/8	1.050 1.050	2 19/64 2 33/64	1 1/2 1 1/4	3 1/2 2 1/2	11.4 3.8
6DP24/48	8.00 4.00	8.10 4.40	3 7/16 5 7/16	1 1/8 1	2 1/4 1 3/4	1.170 1.170	1 57/64 2 35/64	1 1 1/4	3 1/4 2 5/8	11.8 4.9
8DP20/40	5.00 2.50	5.07 2.80	2 7/8 4	1 7/8	2 1 1/4	0.820 0.820	1 27/32 2 9/32	1 1/4 1 13/32	3 2 1/8	5.0 3.0
10DP20/40	4.00 2.00	4.06 2.24	2 1/2 3 1/8	7/8 3/4	2 15/16	0.710 0.710	1 11/16 1 51/64	1 3/16 1 1/16	3 1 3/4	3.7 0.9
10DP25/50	5.00 2.50	5.06 2.74	2 5/8 3 3/8	3/4 3/4	1 1/4 1 1/4	0.700 0.700	1 19/32 1 35/64	1 3/4	2 2	3.6 1.2
12DP18/36	3.00 1.50	3.05 1.70	1 1/2 2 1/4	5/8 1/2	1 5/16 5/8	0.460 0.460	7/8 1 13/64	1/2 11/16	1 7/16 1 1/4	1.4 0.4
12DP24/48	4.00 2.00	4.05 2.20	2 2 7/8	5/8 1/2	7/8 13/16	0.590 0.590	1 11/64 1 7/16	3/4 3/4	1 5/8 1 1/2	1.5 0.8
12DP14/28	2.00 1.00	2.04 1.17	1 3/8 1 5/8	1/2 1/2	7/8 1/2	0.350 0.350	15/16 31/32	21/32 9/16	1 5/8 1	0.5 0.1
16DP12/24	1.50 0.75	1.54 0.91	1 1 1/8	1/2 3/8	5/8 1/2	0.190 0.190	5/8 37/64	7/16 11/32	1 21/32	0.2 0.1
16DP16/32	2.00 1.00	2.04 1.15	1 3/16 1 1/2	1/2 3/8	3/8 7/16	0.350 0.350	49/64 37/32	1/2 7/16	1 1/8 13/16	0.2 0.1