



Stock Bore Steel Miter Gears-A series

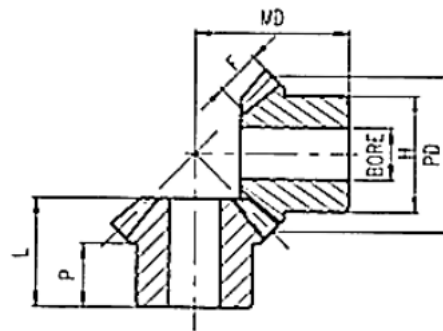
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Steel Miter Gears

Pressure angle 20°



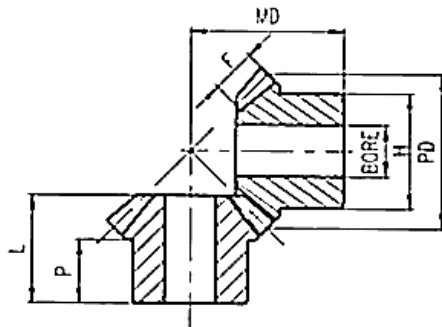
Steel - Plain Bore --- Unhardened Teeth

1:1

Pitch	Z	Part.No	PD	OD	MD	Bore		Dimensions				wt Lbs
						Stock	Max	F	L	P	H	
4DP	24	CAI-4DP24	6.00	6.36	5 1/2	1 1/2	23/8	1.330	39/16	1 15/16	4	14.5
	24	CAI-4DP24A	6.00	6.36	5 1/2	1 3/4	23/8	1.330	39/16	1 15/16	4	14.0
	28	CAI-4DP28	7.00	7.36	6	2	3	1.430	35/8	1 15/16	5	21.5
5DP	25	CAI-5DP25	5.00	5.29	45/8	13/8	2 1/4	1.100	3	13/4	3 1/2	8.8
	25	CAI-5DP25A	5.00	5.29	45/8	1 1/2	2 1/4	1.100	3	13/4	3 1/2	8.4
	25	CAI-5DP25B	5.00	5.29	45/8	1 3/4	2 1/4	1.100	3	13/4	3 1/2	7.8
6DP	24	CAI-6DP24	4.00	4.24	35/8	1 1/4	2	0.860	25/16	15/16	3	4.4
	24	CAI-6DP24A	4.00	4.24	35/8	1 1/2	2	0.860	25/16	15/16	3	4.3
	27	CAI-6DP27	4.50	4.74	4 1/8	1 1/4	23/16	0.960	25/8	1 1/2	3 1/4	6.3
	27	CAI-6DP27A	4.50	4.74	4 1/8	1 1/2	23/16	0.960	25/8	1 1/2	3 1/4	5.9
8DP	24	CAI-8DP24	3.00	3.18	29/16	3/4	1	0.640	137/64	13/16	13/4	1.5
	24	CAI-8DP24A	3.00	3.18	23/4	1	13/8	0.640	149/64	1	2 1/2	2.1
		CAI-8DP24B	3.00	3.18	23/4	1 1/4	15/8	0.640	149/64	1	2 1/2	1.9
	28	CAI-8DP28	3.50	3.68	3 1/4	1	15/8	0.750	23/32	1 1/4	2 1/2	2.9
	28	CAI-8DP28A	3.50	3.68	3 1/4	13/16	15/8	0.750	23/32	1 1/4	2 1/2	2.8
	28	CAI-8DP28B	3.50	3.68	3 1/4	1 1/4	15/8	0.750	23/32	1 1/4	2 1/2	2.6
	32	CAI-8DP32	4.00	4.18	35/8	1	2	0.840	29/32	1 1/8	3	4.8
10DP	20	CAI-10DP20A	2.00	2.14	2	1/2	7/8	0.440	123/64	13/16	15/8	0.75
	20	CAI-10DP20B	2.00	2.14	2	5/8	7/8	0.440	123/64	13/16	15/8	0.72
	20	CAI-10DP20	2.00	2.14	2	3/4	7/8	0.440	123/64	13/16	15/8	0.67
	20	CAI-10DP20C	2.00	2.14	2	7/8	7/8	0.440	123/64	13/16	15/8	0.58
	25	CAI-10DP25	2.50	2.64	27/16	3/4	1 1/4	0.550	15/8	15/16	2	1.2
	25	CAI-10DP25A	2.50	2.64	27/16	7/8	1 1/4	0.550	15/8	15/16	2	1.2
	25	CAI-10DP25B	2.50	2.64	27/16	1	1 1/4	0.550	15/8	15/16	2	1.2
	30	CAI-10DP30	3.00	3.14	23/4	3/4	15/8	0.640	13/4	1	2	1.8
12DP	15	CAI-12DP15	1.25	1.37	1 1/4	3/8	3/4	0.270	55/64	1/2	1	0.17
	15	CAI-12DP15A	1.25	1.37	1 1/4	7/16	3/4	0.270	55/64	1/2	1	0.16
	15	CAI-12DP15B	1.25	1.37	1 1/4	1/2	3/4	0.270	55/64	1/2	1	0.15
	18	CAI-12DP18	1.50	1.62	1 1/2	1/2	7/8	0.320	1 1/64	5/8	1 1/4	0.30
	18	CAI-12DP18A	1.50	1.62	1 1/2	5/8	7/8	0.320	1 1/64	5/8	1 1/4	0.25
	18	CAI-12DP18B	1.50	1.62	1 1/2	3/4	7/8	0.320	1 1/64	5/8	1 1/4	0.22
	21	CAI-12DP21	1.75	1.87	13/4	1/2	1	0.390	13/16	11/16	13/8	0.45
	21	CAI-12DP21A	1.75	1.87	13/4	9/16	1	0.390	13/16	11/16	13/8	0.45
	21	CAI-12DP21B	1.75	1.87	13/4	5/8	1	0.390	1 3/16	11/16	13/8	0.43
	21	CAI-12DP21C	1.75	1.87	13/4	3/4	1	0.390	13/16	11/16	13/8	0.38
	24	CAI-12DP24	2.00	2.12	17/8	1/2	1	0.430	17/32	11/16	1 1/2	0.62
	30	CAI-12DP30	2.50	2.62	25/16	5/8	1 1/4	0.540	131/64	27/32	13/4	1.10
14DP	14	CAI-14DP14	1.00	1.11	1 1/16	3/8	5/8	0.190	47/64	1/2	7/8	0.10
	14	CAI-14DP14A	1.00	1.11	1 1/16	7/16	5/8	0.190	47/64	1/2	7/8	0.10
16DP	12	CAI-16DP12	0.75	0.84	13/16	5/16	7/16	0.160	37/64	3/8	5/8	0.10
	16	CAI-16DP16	1.00	1.09	1 1/16	3/8	1/2	0.220	3/4	7/16	3/4	0.10
	20	CAI-16DP20	1.25	1.34	1 1/4	7/16	5/8	0.270	27/32	1/2	1	0.20
	24	CAI-16DP24	1.50	1.59	13/8	1/2	7/8	0.310	7/8	1/2	1	0.20
20DP	20	CAI-20DP20	1.00	1.07	1 1/8	3/8	5/8	0.230	13/16	1/2	3/4	0.10
	25	CAI-20DP25	1.25	1.32	13/16	3/8	3/4	0.250	3/4	7/16	1	0.10
24DP	24	CAI-24DP24	1.00	1.06	29/32	1/4	1/2	0.200	9/16	9/32	5/8	0.10

Steel Miter Gears

Pressure angle 20°



Steel - Plain Bore --- Hardened Teeth

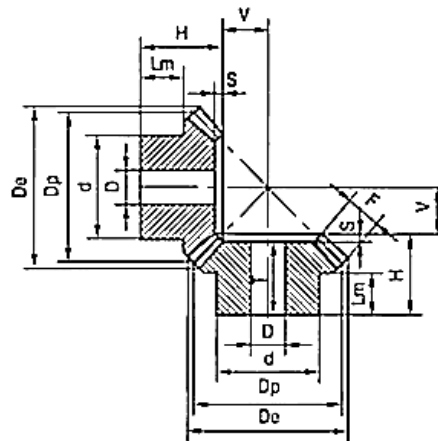
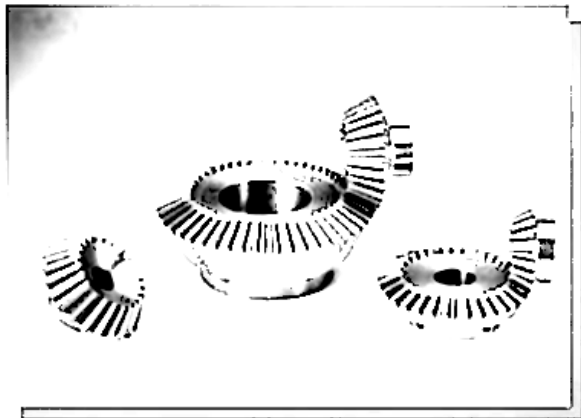
1:1

Pitch	Z	Part.No	PD	OD	MD	Bore		Dimensions				wt Lbs
						Stock	Max	F	L	P	H	
4DP	24	CAI-H4DP24	6.00	6.36	5 1/2	1 1/2	23/8	1.330	39/16	115/16	4	14.5
	24	CAI-H4DP24A	6.00	6.36	5 1/2	13/4	23/8	1.330	39/16	115/16	4	14.0
	28	CAI-H4DP28	7.00	7.36	6	2	3	1.430	35/8	115/16	5	21.5
5DP	25	CAI-H5DP25	5.00	5.29	45/8	13/8	2 1/4	1.100	3	13/4	3 1/2	8.8
	25	CAI-H5DP25A	5.00	5.29	45/8	1 1/2	2 1/4	1.100	3	13/4	3 1/2	8.4
	25	CAI-H5DP25B	5.00	5.29	45/8	13/4	2 1/4	1.100	3	13/4	3 1/2	7.8
6DP	24	CAI-H6DP24	4.00	4.24	35/8	1 1/4	2	0.860	25/16	15/16	3	4.4
	24	CAI-H6DP24A	4.00	4.24	35/8	1 1/2	2	0.860	25/16	15/16	3	4.3
	27	CAI-H6DP27	4.50	4.74	4 1/8	1 1/4	23/16	0.960	25/8	1 1/2	3 1/4	6.3
	27	CAI-H6DP27A	4.50	4.74	4 1/8	1 1/2	3/16	0.960	25/8	1 1/2	3 1/4	5.9
8DP	24	CAI-H8DP24	3.00	3.18	29/16	3/4	1	0.640	137/64	13/16	13/4	1.5
	24	CAI-H8DP24A	3.00	3.18	23/4	1	13/8	0.640	149/64	1	2 1/2	2.1
	24	CAI-H8DP24B	3.00	3.18	23/4	1 1/4	15/8	0.640	149/64	1	2 1/2	1.9
	28	CAI-H8DP28	3.50	3.68	3 1/4	1	15/8	0.750	23/32	1 1/4	2 1/2	2.9
	28	CAI-H8DP28A	3.50	3.68	3 1/4	13/16	15/8	0.750	23/32	1 1/4	2 1/2	2.8
	28	CAI-H8DP28B	3.50	3.68	3 1/4	1 1/4	15/8	0.750	23/32	1 1/4	2 1/2	2.6
	32	CAI-H8DP32	4.00	4.18	35/8	1	2	0.840	29/32	1 1/8	3	4.8
10DP	20	CAI-H10DP20A	2.00	2.14	2	1/2	7/8	0.440	123/64	13/16	15/8	0.75
	20	CAI-H10DP20B	2.00	2.14	2	5/8	7/8	0.440	123/64	13/16	15/8	0.72
	20	CAI-H10DP20	2.00	2.14	2	3/4	7/8	0.440	123/64	13/16	15/8	0.67
	20	CAI-H10DP20C	2.00	2.14	2	7/8	7/8	0.440	123/64	13/16	15/8	0.58
	25	CAI-H10DP25	2.50	2.64	27/16	3/4	1 1/4	0.550	15/8	15/16	2	1.2
	25	CAI-H10DP25A	2.50	2.64	27/16	7/8	1 1/4	0.550	15/8	15/16	2	1.2
	25	CAI-H10DP25B	2.50	2.64	27/16	1	1 1/4	0.550	15/8	15/16	2	1.2
	30	CAI-H10DP30	3.00	3.14	23/4	3/4	15/8	0.640	13/4	1	2	1.8
12DP	15	CAI-H12DP15	1.25	1.37	1 1/4	3/8	3/4	0.270	55/64	1/2	1	0.17
	15	CAI-H12DP15A	1.25	1.37	1 1/4	7/16	3/4	0.270	55/64	1/2	1	0.16
	15	CAI-H12DP15B	1.25	1.37	1 1/4	1/2	3/4	0.270	55/64	1/2	1	0.15
	18	CAI-H12DP18	1.50	1.62	1 1/2	1/2	7/8	0.320	11/64	5/8	1 1/4	0.30
	18	CAI-H12DP18A	1.50	1.62	1 1/2	5/8	7/8	0.320	11/64	5/8	1 1/4	0.25
	18	CAI-H12DP18B	1.50	1.62	1 1/2	3/4	7/8	0.320	11/64	5/8	1 1/4	0.22
	21	CAI-H12DP21	1.75	1.87	13/4	1/2	1	0.390	13/16	11/16	13/8	0.45
	21	CAI-H12DP21A	1.75	1.87	13/4	5/8	1	0.390	13/16	11/16	13/8	0.45
	24	CAI-H12DP24	2.00	2.12	17/8	1/2	1	0.430	17/32	11/16	1 1/2	0.62
	30	CAI-H12DP30	2.50	2.62	25/16	5/8	1 1/4	0.540	131/64	27/32	1 1/2	1.10
14DP	14	CAI-H14DP14	1.00	1.11	1 1/16	3/8	5/8	0.190	47/64	1/2	7/8	0.10
	14	CAI-H14DP14A	1.00	1.1	1 1/16	7/16	5/8	0.190	47/64	1/2	7/8	0.10
16DP	16	CAI-H16DP16	1.00	1.09	1 1/16	3/8	1/2	0.220	3/4	7/16	3/4	0.10
	24	CAI-H16DP24	1.50	1.59	13/8	1/2	7/8	0.310	7/8	1/2	1	0.20
24DP	24	CAI-H24DP24	1.00	1.06	29/32	1/4	1/2	0.200	9/16	9/32	5/8	0.10

Bevel Gear

Pairs With Usual Axes

Pressure angle 20°



Type - A

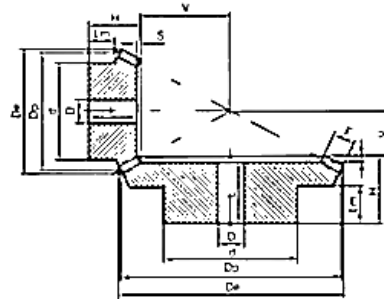
1:1

M	Z	De	Dp	H	F	d	D	V	L	Lm	S
15	16	26.1	24.0	18.9	6	20.3	8	7.10		12	
	20	32.1	30.0	20	10	22	10	7.40	18	8.5	2
	25	39.6	37.5	23	10	28	10	11.09	21	12	2
	30	47.1	45.0	25	12	30	12	13.35	22.5	12	2.5
2	16	34.8	32.0	23.5	8	25.3	10	9.50		14	
	20	42.8	40.0	25	12	32	10	10.78	22	12	3
	25	52.8	50.0	28	14	40	12	14.28	25	12.3	3
	30	62.8	60.0	30	16	50	12	17.78	27	12.8	3
2.5	16	43.5	40.0	28.1	10	30.3	12	11.90		15	
	20	53.5	50.0	30.5	12	40	12	15.43	27	16	3.5
	25	66.0	62.5	33.5	15	50	15	19.48	30	16	3.5
	30	78.5	75.0	35.5	18	55	15	23.63	32	16	3.5
3	16	52.2	48.0	31.7	12	40.3	15	14.30		18	
	20	64.2	60.0	35	18	45	15	16.00	31	13.6	4
	25	79.2	75.0	38	20	55	15	22.00	34	16	4
	30	94.2	90.0	40	22	60	20	28.00	36	17	4
3.5	16	60.9	56.0	36.4	14	45.3	15	16.60		20	
	20	74.9	70.0	40.5	22	55	15	18.13	36	17	4.5
	25	92.4	87.5	43.5	26	65	20	23.97	39	18	4.5
	30	109.9	105.0	48	30	70	20	30.02	43.5	19	4.5
4	16	69.6	64.0	44.3	15	50.3	15	19.70		25	
	20	85.6	80.0	43	25	60	18	20.74	38	18	5
	25	105.6	100.0	45	28	70	20	28.50	40	18	5
	30	125.6	120.0	48	32	80	25	35.67	43	16	5
4.5	16	78.3	72.0	46.3	18	55.3	18	21.70		25	
	20	96.3	90.0	48	28	65	20	23.41	42	18	6
	25	118.8	112.5	50	32	75	20	31.76	44	18	6
	30	141.3	135.0	53	35	90	25	40.82	47	17	6
5	16	87.0	80.0	48.9	18	60.36	20	25.10		25	
	20	107.1	100.0	50.5	30	70	20	26.86	44	18.5	6.5
	25	132.1	125.0	53.5	34	90	20	36.36	47	18	6.5
	30	157.1	150.0	56.5	38	110	30	45.97	50	18	6.5

Bevel Gear

Pairs With Usual Axes

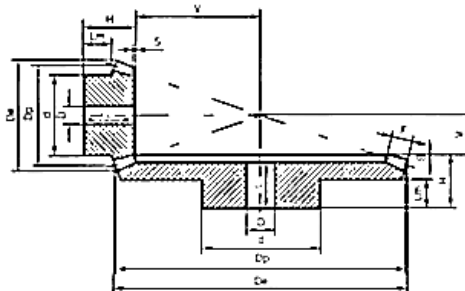
Pressure angle 20°



Type - A

1:2

M	Z	De	Dp	H	F	d	D	V	L	Lm	S
1.5	16	26.7	24	19.5	8	21	10	16.33	18	11.3	1.5
	32	49.3	48	20	8	32	12	7.45	17	10	3
2	16	35.6	32	23	10	26	10	22.41	21	12.2	2
	32	65.8	64	25	10	40	12	10.21	21	10	4
2.5	16	44.4	40	27.5	12	34	12	28.38	25	14.4	2.5
	32	82.2	80	26	12	50	15	14.10	20	10	5
3	16	53.4	48	28	15	40	15	33.64	25	11.6	3
	32	98.7	96	30	15	60	15	15.31	24	10	6
3.5	16	62.3	56	33.5	18	48	15	38.83	30	14.4	3.5
	32	115.1	112	31	18	70	20	17.77	24	10	7
4	16	71.1	64	36	20	50	20	44.81	32	13.4	4
	32	131.6	128	32	20	80	20	20.42	24	10	8
4.5	16	80.1	72	39.5	22	60	20	51	35	15.4	4.5
	32	148.0	144	36	22	90	25	23.21	27	10	9
5	16	88.9	80	50	25	60	20	56.06	45	21.1	5
	32	164.5	160	38	25	100	25	25.52	28	10	10



Type - A

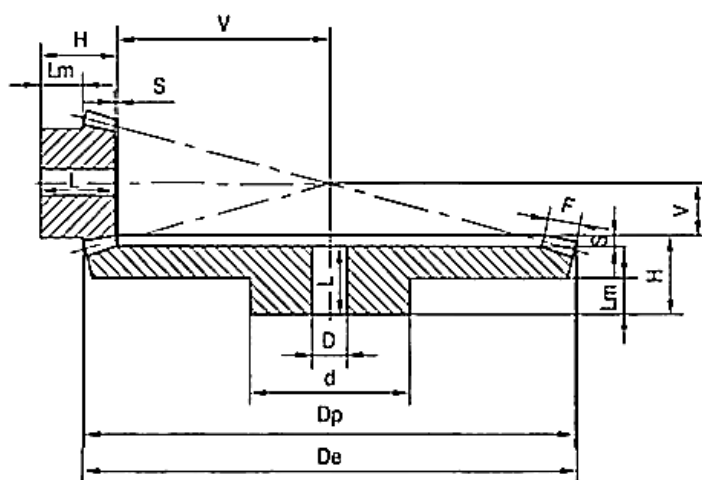
1:3

M	Z	De	Dp	H	F	d	D	V	L	Lm	S
1.5	16	26.9	24	22	12	20	10	24.44	21	9.8	1
	48	72.9	72	20	12	50	15	7.27	17	10	3
2	16	35.8	32	28.5	15	26	12	33.26	27	12.7	1.5
	48	97.3	96	23	15	60	15	9.90	19	10	4
2.5	16	44.7	40	32	18	32	12	42.41	30	13	2
	48	121.6	120	26.6	18	70	20	13.23	21	10	5
3	16	53.7	48	32	18	40	15	54.25	30	12.1	2
	48	145.9	144	29	18	80	20	16.20	23	10	6
3.5	16	62.6	56	38	22	48	15	62.29	35.5	15	2.5
	48	170.2	168	31	22	90	20	18.48	24	10	7
4	16	71.6	64	41.5	25	55	20	71.23	38.5	15.2	3
	48	194.5	192	33	25	100	22	21.20	25	10	8
4.5	16	80.6	72	53	28	60	20	80.27	50	23.4	3
	48	218.6	216	49	28	100	25	23.93	40	18	9
5	16	89.5	80	60	35	60	20	85.61	57	22.5	3
	48	243.1	240	50	35	150	28	25.45	40	20	10

Bevel Gear

Pairs With Usual Axes

Pressure angle 20°



Type - A

1:4

M	Z	De	Dp	H	F	d	D	V	L	Lm	S
1.5	16	26.9	24	25	12	18	10	36.02	24	12.2	1
	64	96.7	96	22.5	12	70	15	8.53	19	10	3
2	16	35.9	32	24	15	25	12	49.07	23	8.2	1
	64	129.0	128	25	15	80	20	11.79	20	10	4
2.5	16	44.9	40	30.5	18	30	15	61.99	29	11.2	1.5
	64	161.2	160	29	18	90	20	13.77	24	10	5
3	16	53.8	48	34	22	40	15	74.05	32	11	2
	64	193.5	192	30	22	100	20	16.41	24	10	6
3.5	16	62.8	56	45	25	48	15	87.13	43	19.1	2
	64	225.7	224	50	25	100	25	19.32	43	22	7
4	16	71.7	64	50	30	50	20	98.21	48	18.5	2
	64	257.9	256	50	30	120	28	21.72	42	20	8
4.5	16	80.7	72	53	32	55	20	112.08	50.5	19	2.5
	64	290.1	288	53	32	130	30	24.83	44	23	9
5	16	89.7	80	58	35	60	20	125.06	55.5	20.6	2.5
	64	322.4	320	58	35	150	30	27.65	48	25	10