

# BEVEL GEAR TECHNICAL DATA

Description	Ratio	Output Torque (ft-lbs)	Output Torque (Nm)	Mechanical Advantage	Input Torque (ft-lbs)	Input Torque (Nm)	Max. Thrust (lbs)	Max. Thrust (KN)	Max. Stem Diameter	Output Flange	Weight Lbs.	Weight Kg
A03	2.3:1	221	300	1.95	113	154	9000	40	1.57	FA10	18	8
A04	4.5:1	221	300	3.85	57	78	9000	40	1.57	FA10	18	8
A11	1.52:1	368	499	1.29	285	387	22480	100	1.77	FA14	33	15
A13	4.5:1	442	600	3.85	115	156	30350	135	2.38	FA14	34	15.5
A24	4.5:1	811	1100	3.85	211	290	53950	240	2.75	FA16	61	27
A24DE24	15.75:1	811	1100	12.08	67	91	53950	240	2.75	FA16	81	36
A25	5.8:1	627	850	4.93	127	172	56200	250	2.75	FA16	61	27
A33	4.5:1	1696	2300	3.83	442	600	74200	330	3.34	FA25	131	58
A33DE43	20.25:1	1696	2300	15.54	109	148	74200	330	3.34	FA25	160	71
A33DE43DE24	70.9:1	1696	2300	50	34	46	74200	330	3.34	FA25	180	80
A43	4.5:1	2802	3800	3.83	732	993	96650	430	4.01	FA30	171	76
A43DE43	20.25:1	2802	3800	15.51	181	245	96650	430	4.01	FA30	200	89
A43DE43DE24	70.9:1	2802	3800	48.71	57	78	96650	430	4.01	FA30	223	99
A70	4.5:1	4425	6000	3.83	1156	1568	157400	700	4.52	FA35	282	125
A70DE90	36:1	4425	6000	27.90	158	215	157400	700	4.52	FA35	377	171
A70DE90DE24	126:1	4425	6000	88.23	50	68	157400	700	4.52	FA35	394	175
A90	5:1	6638	9000	4.26	1556	2110	202300	900	4.80	FA35	360	160
A90DE90	40:1	6638	9000	31.03	214	290	202300	900	4.80	FA35	462	205
A90DE90DE24	140:1	6638	9000	97.82	68	92	202300	900	4.80	FA35	484	215
A110	5:1	11800	16000	4.25	2773	3760	247300	1100	5.51	FA40	698	310
A110DE110	30:1	11200	16000	23.02	512	695	247300	1100	5.51	FA40	800	355
A110DE110DE24	105:1	11800	16000	72.73	162	220	247300	1100	5.51	FA40	822	365
A110RS	5:1	11800	16000	4.25	2773	3760	359700	1600	5.51	FA40	698	310
A110RSDE110	30:1	11200	16000	23.02	512	695	359700	1600	5.51	FA40	800	355
A110RSDE110DE24	105:1	11800	16000	72.73	162	220	359700	1600	5.51	FA40	822	365
A111	5.8:1	8850	12000	4.93	2393	3245	247300	1100	5.51	FA40	698	310
A111DE110	34.8:1	8850	12000	26.62	443	601	247300	1100	5.51	FA40	800	355
A111DE110DE24	121.8:1	8850	12000	83.86	141	191	247300	1100	5.51	FA40	822	365
A111RS	5.8:1	8850	12000	4.93	2393	3245	359700	1600	5.51	FA40	698	310
A111RSDE110	34.8:1	8850	12000	26.62	443	601	359700	1600	5.51	FA40	800	355
A111RSDE110DE24	121.8:1	8850	12000	83.86	141	191	359700	1600	5.51	FA40	822	365
A300	6:1	22127	30000	5.1	4338	5882	674430	3000	7.87	F60	1610	732
A300DE300	60:1	22127	30000	45.9	482	654	674430	3000	7.87	F60	1800	819
A300DE300DE24	210:1	22127	30000	144.58	153	207	674430	3000	7.87	F60	1825	830



**MASTERGEAR**

DIVISION OF REGAL-BELOIT CORPORATION  
5466 EAST ROCKTON RD. SOUTH BELOIT, IL 61080

REV. A  
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