

COMBINED BEVEL AND SPUR (IB/AS) GEARBOXES SIZING CHART FOR MOTOR OPERATION

Primary Gearbox	Primary Ratio	Primary Mechanical Advantage	Primary Output Torque Nm	Secondary Spur Attachment	Second Ratio	Secondary Mechanical Advantage	Secondary Output Torque Nm	Total Ratio	Total Mechanical Advantage	Total Output Torque Nm	Thrust Kn	
IB4/5	2	1.7	306	AS3	2	1.83	406	4	3.11	306	IB4 = 53, IB5 = 177	
IB4/5	3	2.55	678	AS3	2	1.83	406	6	4.67	678		
IB4/5	4	3.4	678	AS3	2	1.83	406	8	6.22	678		
IB4/5	3	2.55	678	AS3	3	2.7	406	9	6.89	678		
IB4/5	4	3.4	678	AS3	3	2.7	406	12	9.18	678		
IB4/5	6	5.1	678	AS3	3	2.7	406	18	13.77	678		
IB6/7	3	2.55	1355	AS3	2	1.83	406	6	4.67	1035	IB6 = 177, IB7 = 266	
IB6/7	4	3.4	1355	AS3	2	1.83	406	8	6.22	1355		
IB6/7	3	2.55	1355	AS3	3	2.7	406	9	6.89	1035		
IB6/7	4	3.4	1355	AS3	3	2.7	406	12	9.18	1355		
IB6/7	6	5.1	1084	AS3	3	2.7	406	18	13.77	1084		
IB8/9	3	2.55	2033	AS5	2	1.9	678	6	4.85	1729	IB8 = 266, IB9 = 355	
IB8/9	4	3.4	2033	AS5	2	1.9	678	8	6.46	2033		
IB8/9	3	2.55	2033	AS5	3	2.7	678	9	6.89	1729		
IB8/9	4	3.4	2033	AS5	3	2.7	678	12	9.18	2033		
IB8/9	4	3.4	2033	AS5	4	3.69	678	16	12.55	2033		
IB8/9	6	5.1	1627	AS5	3	2.7	678	18	13.77	1627		
IB8/9	6	5.1	1627	AS5	4	3.69	678	24	18.82	2033		
IB8/9	4	3.4	2033	AS5	6	5.4	678	24	18.36	2033		
IB8/9	6	5.1	1627	AS5	6	5.4	678	36	27.54	1627		
IB8/9	6	5.1	1627	AS5	6	5.4	678	36	27.54	1627		
IB10/11	4	3.4	4067	AS5	2	1.9	678	8	6.46	2305	IB10 = 355, IB11 = 500	
IB10/11	6	5.1	4067	AS5	2	1.9	678	12	9.69	3458		
IB10/11	4	3.4	4067	AS5	4	3.69	678	16	12.55	2305		
IB10/11	6	5.1	4067	AS5	3	2.7	678	18	13.77	3458		
IB10/11	4	3.4	4067	AS5	6	5.4	678	24	18.36	2305		
IB10/11	6	5.1	4067	AS5	6	5.4	678	36	27.54	3458		
IB10/11	4	3.4	4067	AS6	2	1.8	1355	8	6.12	4067	IB10 = 355, IB11 = 500	
IB10/11	6	5.1	4067	AS6	2	1.8	1355	12	9.18	4067		
IB10/11	4	3.4	4067	AS6	4	3.6	1355	16	12.24	4067		
IB10/11	6	5.1	4067	AS6	3	2.7	1355	18	13.77	4067		
IB10/11	4	3.4	4067	AS6	6	5.4	1355	24	18.36	4067		
IB10/11	4	3.4	4067	AS6	8	7.2	1355	32	24.48	4067		
IB10/11	6	5.1	4067	AS6	6	5.4	1355	36	27.54	4067		
IB10/11	6	5.1	4067	AS6	8	7.2	1355	48	36.72	4067		
IB12/13/14	6	5.1	8135	AS5	2	1.9	678	12	9.69	3458		IB12 = 500, IB13 = 834 IB14 = 1320
IB12/13/14	8	6.8	8135	AS5	2	1.9	678	16	12.92	4610		
IB12/13/14	6	5.1	8135	AS5	3	2.7	850	18	13.77	4335		
IB12/13/14	8	6.8	8135	AS5	3	2.7	850	24	18.36	5780		
IB12/13/14	8	6.8	8135	AS5	4	3.69	850	32	25.09	5780		
IB12/13/14	6	5.1	8135	AS5	6	5.4	850	36	27.54	4335		
IB12/13/14	8	6.8	8135	AS5	6	5.4	850	48	36.72	5780		
IB12/13/14	6	5.1	8135	AS6	2	1.8	1355	12	9.18	6911	IB12 = 500, IB13 = 834 IB14 = 1320	
IB12/13/14	8	6.8	8135	AS6	2	1.8	1355	16	12.24	8135		
IB12/13/14	6	5.1	8135	AS6	3	2.7	1355	18	13.77	6911		
IB12/13/14	8	6.8	8135	AS6	3	2.7	1355	24	18.36	8135		
IB12/13/14	8	6.8	8135	AS6	4	3.6	1355	32	24.48	8135		
IB12/13/14	6	5.1	8135	AS6	6	5.4	1355	36	27.54	6911		
IB12/13/14	8	6.8	8135	AS6	6	5.4	1355	48	36.72	8135		
IB12/13/14	8	6.8	8135	AS6	8	7.2	1355	64	48.96	8135		
IB12/13/14	8	6.8	8135	AS8	4	3.6	2033	32	24.48	8135		
IB12/13/14	6	5.1	8135	AS8	6	5.49	2033	36	28.00	8135		
IB12/13/14	6	5.1	8135	AS8	8	7.156	2033	48	36.50	8135		
IB12/13/14	6	5.1	8135	AS8	10	9.18	2033	60	46.82	8135		
IB12/13/14	8	6.8	8135	AS8	8	7.156	2033	64	48.66	8135		
IB12/13/14	6	5.1	8135	AS8	12	11.03	2033	72	56.25	8135		
IB12/13/14	8	6.8	8135	AS8	10	9.18	2033	80	62.42	8135		
IB12/13/14	6	5.1	8135	AS8	15	13.52	2033	90	68.95	8135		
IB12/13/14	8	6.8	8135	AS8	12	11.03	2033	96	75.00	8135		
IB12/13/14	8	6.8	8135	AS8	15	13.52	2033	120	91.94	8135		

MA updated in line with current product brochures