

IS RANGE MULTI-TURN BEVEL GEARBOXES SIZING CHART FOR MANUAL & MOTORISED DUTY (US UNITS)

Issue 1 (13/12/2013)

Gearbox Type	Nominal Ratio	Exact Ratio	***Motorised Torque ft-lbf	Manual Torque ft-lbf	Mechanical Advantage	**Motorised Thrust lbf	Manual Thrust lbf	Stem Acceptance		Minimum (except on request)	Output Flange	Weight lb with baseplate																		
								*Key inch	Screw inch			FA07	FA10	FA12	FA14	FA16	FA25	FA30	FA35	FA40	FA48	FA60								
IS2	1	1.25	300	375	1.13	12,000	12,000	1.5	1.75		FA10		42																	
	2	2																												
	3	3																												
IS3	1	1.25	300	375	1.13	40,000	40,000	1.875	2.125		FA14				44															
	2	2																												
	3	3																												
IS4	2	2.12	500	625	1.90	12,000	12,000	1.5	1.75		FA10		55																	
	3	3																												
	4	4.1																												
	6	6																												
IS5	2	2.12	500	625	1.90	40,000	40,000	1.875	2.125		FA14					66														
	3	3																												
	4	4.1																												
	6	6																												
IS6	2	2	1,000	1,250	1.80	40,000	40,000	1.875	2.125		FA14					99														
	3	3																												
	4	4																												
	6	6																												
IS7	2	2	1,000	1,250	1.80	60,000	80,000	2.5	2.875		FA16					110														
	3	3																												
	4	4																												
	6	6																												
IS8	4	4.01	1,500	1,875	3.60	60,000	80,000	2.5	2.875		FA16					165														
	6	6.1																												
	8	7.95																												
	10	10.2																												
	12	12.26																												
IS9	4	4.01	1,500	1,875	3.60	80,000	100,000	2.75	3.375		FA25					181														
	6	6.1																												
	8	7.95																												
	10	10.2																												
	12	12.26																												
IS10	4	4.04	3,000	4,000	3.63	80,000	100,000	2.75	3.375		FA25					238														
	6	6.11																												
	8	7.81																												
	10	10.17																												
	12	12.11																												
IS11	4	4.04	3,000	4,000	3.63	112,500	150,000	3.5	3.875		FA30						269													
	6	6.11																												
	8	7.81																												
	10	10.17																												
	12	12.11																												
IS12	8	8.09	6,000	8,000	7.28	112,500	150,000	3.5	3.875		FA30						408													
	10	9.99																												
	12	11.83																												
	15	15.15																												
IS13	8	8.09	6,000	8,000	7.28	187,500	250,000	4.5	5		FA35							485												
	10	9.99																												
	12	11.83																												
	15	15.15																												
IS14	8	8.09	6,000	8,000	7.28	296,750	350,000	4.625	5.875	2.625	FA40										761									
	10	9.99																												
	12	11.83																												
	15	15.15																												
IS15	10	9.86	12,000	14,000	8.87	187,500	250,000	4.5	5		FA35, FA40									595	639									
	12	12																												
	15	15																												
IS16	10	9.86	12,000	14,000	8.87	296,750	350,000	4.625	5.875	2.625	FA40											882								
	12	12																												
	15	15																												
	6	6.11																												
IS17	8	8.11	30,000	32,000	7.30	187,500	250,000	4.5	5		FA35											1279								
	10	10																												
	12	12.03																												
	15	15.17																												
	24	24.09																												
IS18	6	6.11	30,000	32,000	5.50	296,750	350,000	4.625	5.875	2.625	FA40											1653								
	8	8.11																												
	10	10																												
	12	12.03																												
	15	15.17																												
IS19	6	6.11	30,000	32,000	5.50	375,000	500,000	6.125	7.375	3	FA40, FA48											1786								
	8	8.11																												
	10	10																												
	12	12.03																												
	15	15.17																												
IS20	6	6.11	30,000	32,000	5.50	500,000	750,000	7.5	8.75	3.75	FA48, FA60											2161								
	8	8.11																												
	10	10																												
	12	12.03																												
	15	15.17																												
IS21	6	6.11	30,000	32,000	5.50	652,000	978,000	7.5	8.75	4	FA60											2469								
	8	8.11																												
	10	10																												
	12	12.03																												
	15	15.17																												

Various combinations with spur and bevel gearboxes