

Gearbox selection table for type 2010 double eccentric butterfly valve

Torque in Nm	DN	PN	Actuator Input Torque (Nm)	Flange connection between actuator	Number of turns	Gearbox type	Ratio	MA	Electric Actuator Type ON-OFF	Electric Actuator Type Modulating	Rpm	Input Torque (Nm)	Output Torque	Time to open/close (sec)	Output drive ON-OFF	Output drive Modulating
156	150	10	22	F10	11,25	93.100	45	7	SA07.2	SAR07.6+AC	32	30	210	21,09	F07-B3-16mm,5mm KEY	F07-B3-16mm,5mm KEY
260	200	10	17	F10	10	93.150	40	15	SA07.2	SAR07.6+AC	16	30	450	37,50	F10-B3-15mm,5mm KEY	F10-B3-15mm,5mm KEY
429	250	10	29	F10	10	93.150	40	15	SA07.6	SAR10.2+AC	16	60	900	37,50	F10-B3-15mm,5mm KEY	F10-B3-15mm,5mm KEY
590	300	10	30	F10	17,5	93.260	70	20	SA07.6	SAR10.2+AC	32	60	1200	32,81	F10-B3-20mm,6mm KEY	F10-B3-20mm,6mm KEY
815,1	350	10	54	F10	10	93.260	40	15	SA07.6	SAR10.2+AC	16	60	900	37,50	F10-B3-20mm,6mm KEY	F10-B3-20mm,6mm KEY
1313	400	10	22	F10	51	93.350	204	61	SA07.2	SAR07.6+AC	90	30	1830	34,00	F10-B3-20mm,6mm KEY	F10-B3-20mm,6mm KEY
1372,8	450	10	16	F10	73	93.350	292	88	SA07.2	SAR07.6+AC	90	30	2640	48,67	F10-B3-20mm,6mm KEY	F10-B3-20mm,6mm KEY
1950	500	10	22	F10	73	93.350	292	88	SA07.2	SAR07.6+AC	90	30	2640	48,67	F10-B3-20mm,6mm KEY	F10-B3-20mm,6mm KEY
3941,6	600	10	42	F10	76,25	93.450	305	94	SA07.6	SAR10.2+AC	45	60	5640	101,67	F10-B3-20mm,6mm KEY	F10-B3-20mm,6mm KEY
6318	700	10	51	F10	105	93.550	420	125	SA07.6	SAR10.2+AC	90	60	7500	70,00	F10-B3-20mm,6mm KEY	F10-B3-20mm,6mm KEY
10576	800	10	85	F10	105	93.550	420	125	SA10.2	SAR14.2+AC	90	120	15000	70,00	F10-B3-20mm,6mm KEY	F14-B3-30mm,8mm KEY
14300	900	10	114	F10	105	93.550	420	125	SA10.2	SAR14.2+AC	90	120	15000	70,00	F10-B3-20mm,6mm KEY	F14-B3-30mm,8mm KEY
24518	1000	10	102	F10	180	93.600	720	240	SA10.2	SAR14.2+AC	125	120	28800	86,40	F10-B3-20mm,6mm KEY	F14-B3-30mm,8mm KEY
27300	1100	10	114	F10	180	93.600	720	240	SA10.2	SAR14.2+AC	125	120	28800	86,40	F10-B3-20mm,6mm KEY	F14-B3-30mm,8mm KEY
30396	1200	10	225	F14	120	93.650	480	135	SA14.2	SAR14.6+AC	125	250	33750	57,60	F14-B3-30mm,8mm KEY	F14-B3-30mm,8mm KEY
42900	1300	10	179	F14	180	93.700	720	240	SA14.2	SAR14.6+AC	125	250	60000	86,40	F14-B3-30mm,8mm KEY	F14-B3-30mm,8mm KEY
44200	1400	10	184	F14	180	93.700	720	240	SA14.2	SAR14.6+AC	125	250	60000	86,40	F14-B3-30mm,8mm KEY	F14-B3-30mm,8mm KEY
54600	1500	10	137	F14	360	93.700	1440	400	SA14.2	SAR14.6+AC	125	250	100000	172,80	F14-B3-30mm,8mm KEY	F14-B3-30mm,8mm KEY
88400	1600	10	180	F14	490	93.700	1960	490	SA14.2	SAR14.6+AC	125	250	122500	235,20	F14-B3-30mm,8mm KEY	F14-B3-30mm,8mm KEY
88400	1700	10	180	F14	490	93.700	1960	490	SA14.2	SAR14.6+AC	125	250	122500	235,20	F14-B3-30mm,8mm KEY	F14-B3-30mm,8mm KEY
114400	1800	10	153	F14	540	93.750	2160	750	SA14.2	SAR14.6+AC	125	250	187500	259,20	F14-B3-30mm,8mm KEY	F14-B3-30mm,8mm KEY
146250	2000	10	195	F14	540	93.750	2160	750	SA14.2	SAR14.6+AC	125	250	187500	259,20	F14-B3-30mm,8mm KEY	F14-B3-30mm,8mm KEY
195000	2200	10	398	F14	490	93.750	1960	490	SA14.6	SAR16.2+AC	125	500	245000	235,20	F14-B3-30mm,8mm KEY	F16-B3-40mm,12mm KEY

Torque in Nm	DN	PN	Actuator Input Torque (Nm)	Flange connection between actuator	Number of turns	Gearbox type	Ratio	MA	Electric Actuator Type ON-OFF	Electric Actuator Type Modulating	Rpm	Input Torque (Nm)	Output Torque	Time to open/close (sec)	Output drive ON-OFF	Output drive Modulating
260	150	16	37	F10	11,25	93.100	45	7	SA07.6	SAR10.2+AC	60	60	420	21,09	F07-B3-16mm,5mm KEY	F07-B3-16mm,5mm KEY
416	200	16	28	F10	10	93.150	40	15	SA07.2	SAR07.6+AC	30	30	450	37,50	F10-B3-15mm,5mm KEY	F10-B3-15mm,5mm KEY
715	250	16	48	F10	10	93.150	40	15	SA07.6	SAR10.2+AC	60	60	900	37,50	F10-B3-15mm,5mm KEY	F10-B3-15mm,5mm KEY
845	300	16	42	F10	17,5	93.260	70	20	SA07.6	SAR10.2+AC	60	60	1200	32,81	F10-B3-20mm,6mm KEY	F10-B3-20mm,6mm KEY
1664	350	16	27	F10	51	93.350	204	61	SA07.2	SAR07.6+AC	30	30	1830	34,00	F10-B3-20mm,6mm KEY	F10-B3-20mm,6mm KEY
1950	400	16	22	F10	73	93.350	292	88	SA07.2	SAR07.6+AC	30	30	2640	48,67	F10-B3-20mm,6mm KEY	F10-B3-20mm,6mm KEY
2860	450	16	30	F10	76,25	93.450	305	94	SA07.6	SAR10.2+AC	60	60	5640	50,83	F10-B3-20mm,6mm KEY	F10-B3-20mm,6mm KEY
2925	500	16	31	F10	76,25	93.450	305	94	SA07.6	SAR10.2+AC	60	60	5640	50,83	F10-B3-20mm,6mm KEY	F10-B3-20mm,6mm KEY
7670	600	16	61	F10	105	93.550	420	125	SA10.2	SAR14.2+AC	120	120	15000	140,00	F10-B3-20mm,6mm KEY	F14-B3-30mm,8mm KEY
11700	700	16	94	F10	105	93.550	420	125	SA10.2	SAR14.2+AC	120	120	15000	70,00	F10-B3-20mm,6mm KEY	F14-B3-30mm,8mm KEY
15600	800	16	65	F10	180	93.600	720	240	SA10.2	SAR14.2+AC	120	120	28800	120,00	F10-B3-20mm,6mm KEY	F14-B3-30mm,8mm KEY
23400	900	16	98	F10	180	93.600	720	240	SA10.2	SAR14.2+AC	120	120	28800	120,00	F10-B3-20mm,6mm KEY	F14-B3-30mm,8mm KEY
41600	1000	16	308	F14	120	93.650	480	135	SA14.6	SAR16.2+AC	500	500	67500	80,00	F14-B3-30mm,8mm KEY	F16-B3-40mm,12mm KEY
41600	1100	16	308	F14	120	93.650	480	135	SA14.6	SAR16.2+AC	500	500	67500	80,00	F14-B3-30mm,8mm KEY	F16-B3-40mm,12mm KEY
58500	1200	16	244	F14	180	93.700	720	240	SA14.2	SAR14.6+AC	250	250	60000	120,00	F14-B3-30mm,8mm KEY	F14-B3-30mm,8mm KEY
59800	1300	16	249	F14	180	93.700	720	240	SA14.2	SAR14.6+AC	250	250	60000	60,00	F14-B3-30mm,8mm KEY	F14-B3-30mm,8mm KEY
65000	1400	16	163	F14	360	93.700	1440	400	SA14.2	SAR14.6+AC	250	250	100000	120,00	F14-B3-30mm,8mm KEY	F14-B3-30mm,8mm KEY
71500	1500	16	179	F14	360	93.700	1440	400	SA14.2	SAR14.6+AC	250	250	100000	172,80	F14-B3-30mm,8mm KEY	F14-B3-30mm,8mm KEY
104000	1600	16	214	F14	375	93.750	1500	485	SA14.2	SAR14.6+AC	250	250	121250	180,00	F14-B3-30mm,8mm KEY	F14-B3-30mm,8mm KEY
123500	1700	16	252	F14	490	93.750	1960	490	SA14.6	SAR16.2+AC	500	500	245000	235,20	F14-B3-30mm,8mm KEY	F16-B3-40mm,12mm KEY
125001,5	1800	16	255	F14	490	93.750	1960	490	SA14.6	SAR16.2+AC	500	500	245000	235,20	F14-B3-30mm,8mm KEY	F16-B3-40mm,12mm KEY
234000	2000	16	478	F14	490	93.750	1960	490	SA14.6	SAR16.2+AC	500	500	245000	235,20	F14-B3-30mm,8mm KEY	F16-B3-40mm,12mm KEY
238550	2200	16	487	F14	490	93.750	1960	490	SA14.6	SAR16.2+AC	500	500	245000	235,20	F14-B3-30mm,8mm KEY	F16-B3-40mm,12mm KEY

The given torque values include the 30% safety factor.