

**NHN 1638U CYCLE TEST**

Year	Month	Day	Brand	Model	Number of Cycles	Closing speed(sec.)	Opening force(N)	Opening moment(Nm)	Closing force(N)	Closing moment(Nm)	Efficiency
2017	2	22	NHN	1638U	0	5.45	4.2	30.87	2.4	17.64	57%
2017	2	23	NHN	1638U	14338	5.84	4.0	29.40	2.4	17.64	60%
2017	2	24	NHN	1638U	27001	6.75	4.0	29.40	2.4	17.64	60%
2017	2	25	NHN	1638U	38728	8.12	3.8	27.93	2.4	17.64	63%
2017	2	27	NHN	1638U	44422	6.75	3.8	27.93	2.4	17.64	63%
2017	2	28	NHN	1638U	54855	6.28	3.8	27.93	2.4	17.64	63%
2017	3	1	NHN	1638U	67200	6.81	3.8	27.93	2.4	17.64	63%
2017	3	2	NHN	1638U	79840	6.91	3.8	27.93	2.4	17.64	63%
2017	3	3	NHN	1638U	93102	6.71	3.8	27.93	2.4	17.64	63%
2017	3	4	NHN	1638U	108032	7.86	3.8	27.93	2.4	17.64	63%
2017	3	6	NHN	1638U	111706	8.07	3.8	27.93	2.4	17.64	63%
2017	3	7	NHN	1638U	123723	8.44	3.8	27.93	2.4	17.64	63%
2017	3	8	NHN	1638U	134985	9.03	3.8	27.93	2.4	17.64	63%
2017	3	9	NHN	1638U	144419	9.12	3.8	27.93	2.4	17.64	63%
2017	3	10	NHN	1638U	154404	9.44	3.8	27.93	2.4	17.64	63%
2017	3	11	NHN	1638U	164580	9.84	3.8	27.93	2.4	17.64	63%
2017	3	13	NHN	1638U	166910	9.75	3.8	27.93	2.4	17.64	63%
2017	3	14	NHN	1638U	176745	9.68	3.8	27.93	2.4	17.64	63%
2017	3	15	NHN	1638U	181682	10.28	3.8	27.93	2.4	17.64	63%
2017	3	16	NHN	1638U	192009	10.65	3.8	27.93	2.4	17.64	63%
2017	3	17	NHN	1638U	202694	9.13	3.8	27.93	2.4	17.64	63%
2017	3	18	NHN	1638U	212218	8.84	3.8	27.93	2.4	17.64	63%
2017	3	20	NHN	1638U	215400	7.66	3.8	27.93	2.4	17.64	63%
2017	3	21	NHN	1638U	227124	8.31	3.8	27.93	2.3	16.91	61%
2017	3	22	NHN	1638U	238044	7.97	3.8	27.93	2.3	16.91	61%
2017	3	23	NHN	1638U	247096	9.47	3.8	27.93	2.3	16.91	61%
2017	3	24	NHN	1638U	257955	7.96	3.8	27.93	2.3	16.91	61%
2017	3	25	NHN	1638U	268777	9.47	3.8	27.93	2.3	16.91	61%
2017	3	27	NHN	1638U	271471	9.67	3.8	27.93	2.3	16.91	61%
2017	3	28	NHN	1638U	279704	8.97	3.8	27.93	2.3	16.91	61%
2017	3	29	NHN	1638U	289431	8.00	3.8	27.93	2.3	16.91	61%
2017	3	30	NHN	1638U	301071	6.93	3.8	27.93	2.3	16.91	61%
2017	3	31	NHN	1638U	314458	7.04	3.8	27.93	2.3	16.91	61%
2017	4	1	NHN	1638U	316952	5.75	3.6	26.46	2.3	16.91	64%
2017	4	2	NHN	1638U	329261	5.51	3.6	26.46	2.3	16.91	64%
2017	4	5	NHN	1638U	334808	5.53	3.6	26.46	2.3	16.91	64%
2017	4	6	NHN	1638U	347356	4.94	3.6	26.46	2.3	16.91	64%
2017	4	7	NHN	1638U	360087	4.59	3.6	26.46	2.3	16.91	64%
2017	4	8	NHN	1638U	372929	4.54	3.6	26.46	2.3	16.91	64%
2017	4	10	NHN	1638U	376356	4.51	3.6	26.46	2.3	16.91	64%
2017	4	11	NHN	1638U	389037	4.18	3.6	26.46	2.3	16.91	64%
2017	4	12	NHN	1638U	401961	4.78	3.6	26.46	2.3	16.91	64%
2017	4	13	NHN	1638U	414497	4.16	3.6	26.46	2.3	16.91	64%
2017	4	14	NHN	1638U	426487	4.78	3.6	26.46	2.3	16.91	64%
2017	4	15	NHN	1638U	439059	4.88	3.6	26.46	2.3	16.91	64%
2017	4	17	NHN	1638U	442086	4.35	3.6	26.46	2.3	16.91	64%
2017	4	18	NHN	1638U	454901	4.35	3.6	26.46	2.3	16.91	64%
2017	4	19	NHN	1638U	467373	4.54	3.6	26.46	2.3	16.91	64%
2017	4	20	NHN	1638U	479754	4.59	3.6	26.46	2.3	16.91	64%
2017	4	21	NHN	1638U	492270	4.63	3.6	26.46	2.3	16.91	64%
2017	4	22	NHN	1638U	504733	4.44	3.6	26.46	2.3	16.91	64%