

PRODUCT SPECIFICATION

11ED

(Unit : mm)

11ED Dimensions

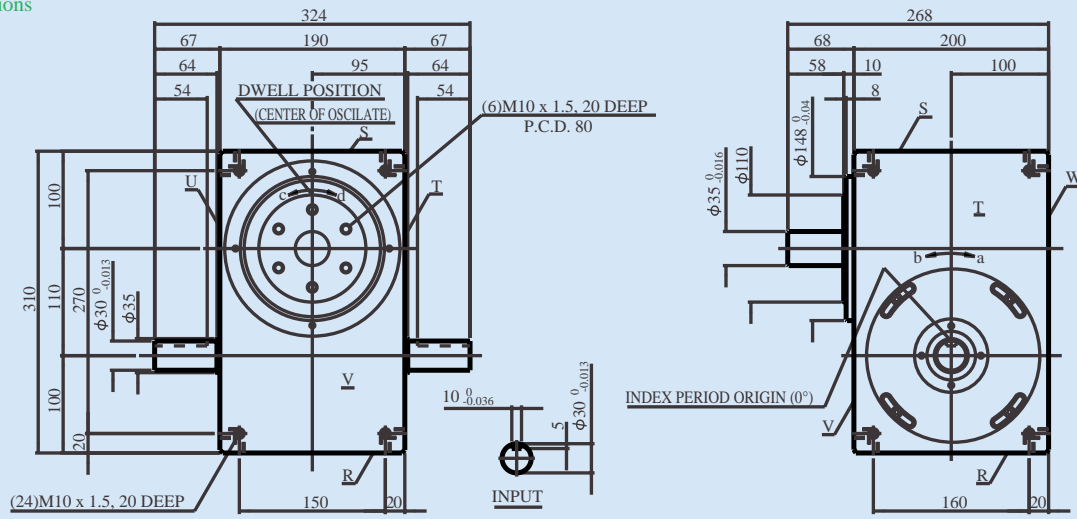


Figure 11ED-1

Dynamic-rated output torque (Top) at 50ipm(N·m)

Table 11ED-1

S	θ	90°	120°	150°	180°	210°	240°	270°	300°	330°
2								186.3	186.4	186.0
3					223.6	223.5	222.4	220.6	218.4	215.9
4			120.2	140.4	219.5	217.3	214.5	211.2	207.8	204.4
6		305.5	322.6	316.7	385.6	375.9	366.4	357.4	348.9	341.1
8		299.9	293.0	283.9	350.3	339.2	329.0	319.7	311.3	303.6
12		164.9	171.5	175.1	177.2	178.5	175.5	195.9	190.3	185.2

Note:

- Torque limiter 7TF, 7TC, 8TF, 8TC, 11TF or 11TC available for 11ED
- Spacer required to mount torque limiter
- Output shaft available to shorten to 10mm height
- Geared motor (0.75kW) is available for 11ED
- Rated output torque (Top) is a maximum continuous torque allowed based upon 12,000 hours of endurance life

θ : Index period S: Number of Stops Note: Cam curve is SMS-3 curve.

Table of ECO Series Specifications

		4.5ED	6ED	7ED	8ED	11ED
Output allowable axial load	N	1274	1372	2156	3234	5488
Output allowable radial load	N	1372	1392	2940	4116	6860
Output torsional rigidity	N·m/rad	6.08×10^3	1.37×10^4	2.84×10^4	5.29×10^4	8.82×10^4
Output inertia	kg·m ²	3.5×10^{-4}	6.0×10^{-4}	1.7×10^{-3}	4.0×10^{-3}	2.18×10^{-2}
Output allowable bending moment	N·m	33.0	34.3	63.7	80.8	220
Input allowable axial load	N	833	980	1470	3430	4704
Input maximum repetitive bending force	N	1078	1470	1078	2548	4067
Input maximum repetitive allowable torque	N·m	39.2	58.8	93.1	245	392
Input torsional rigidity	N·m/rad	2.74×10^3	4.12×10^3	8.43×10^3	1.67×10^4	2.74×10^4
Input inertia	kg·m ²	8.0×10^{-5}	4.75×10^{-4}	1.5×10^{-3}	2.25×10^{-3}	7.0×10^{-3}
Indexing accuracy (one-dwell)	sec	±60	±45	±30	±30	±30
Indexing accuracy (two-dwell)	sec	±120	—	—	—	—
Repetitive accuracy	sec	30	20	15	15	15
Approximate product weight	kg	7.2	13	18	33	61

*Specifications and dimensions are subject to change without notice.
Always double check before ordering.

1N·m=0.102kgf·m