



REVISION HISTORY			
REV	DATE	BY	DESCRIPTION
A	11APR2012	MJS/JT	INITIAL RELEASE

PART NUMBER		MAXIMUM STATIC RADIAL LOAD N (lbf) ①	MAXIMUM STATIC AXIAL LOAD N (lbf) ①	STATIC TORQUE ±20% N-m (in-lbf)	CYCLE LIFE 1.34 kg (2.9438 lbs) ②
TYPE A	TYPE B				
ST-8A-40SA-[XX]	ST-8A-40SB-[XX]	300 N (67 lbf)	200 N (45 lbf)	0.45 (4.0)	20,000
ST-8A-60SA-[XX]	ST-8A-60SB-[XX]			0.68 (6.0)	
ST-8A-80SA-[XX]	ST-8A-80SB-[XX]			0.90 (8.0)	
ST-8A-40FA-[XX]	ST-8A-40FB-[XX]			0.45 (4.0)	
ST-8A-60FA-[XX]	ST-8A-60FB-[XX]			0.68 (6.0)	
ST-8A-80FA-[XX]	ST-8A-80FB-[XX]			0.90 (8.0)	
ST-8A-100FA-[XX]	ST-8A-100FB-[XX]			1.13 (10.0)	
ST-8A-40RA-[XX]	ST-8A-40RB-[XX]			0.45 (4.0)	
ST-8A-60RA-[XX]	ST-8A-60RB-[XX]			0.68 (6.0)	
ST-8A-80RA-[XX]	ST-8A-80RB-[XX]			0.90 (8.0)	
ST-8A-100RA-[XX]	ST-8A-100RB-[XX]			1.13 (10.0)	

NOTES:

- ① AXIAL AND RADIAL LOADS APPLIED ONE TIME TO A SINGLE HINGE WITHOUT DEGRADATION OF PERFORMANCE.
- ② CLOSED POSITION TO OPEN POSITION AT 180° PLUS RETURN TO INITIAL CLOSED POSITION; AT AMBIENT TEMPERATURE.

THIRD ANGLE PROJECTION

MILLIMETERS [IN]

TOLERANCES UNLESS OTHERWISE NOTED

ALL DIMENSIONS WITHOUT TOLERANCES ARE FOR REFERENCE ONLY.

PER ASME Y14.5M-1994

southco[®]
CONNECT • CREATE • INNOVATE

DESCRIPTION
Hinge & Controlled Motion Device
ST-8A HINGE

SIZE A4 SYSTEM NX DWG NO. TD-ST-8A-J

DRAWN BY MJS/JT DATE 11APR2012 SCALE 1:1 SHEET 1 OF 1