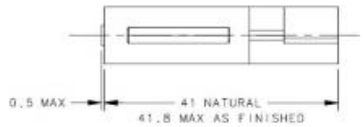
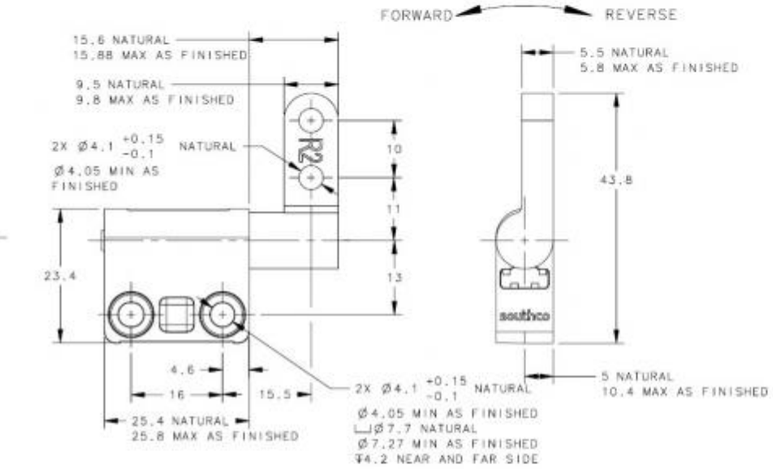
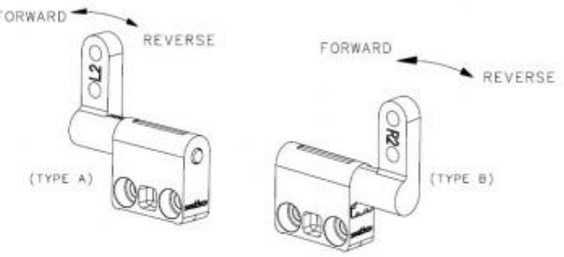
REVISION HISTORY			
REV	DATE	BY	DESCRIPTION
C	28JUL2023	CMS/GEA	PRN: P2023-1410



HINGE TORQUE
(ADAPTER ROTATING)

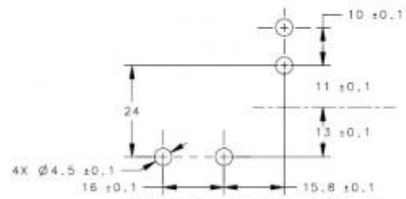




PART NUMBER		STATIC TORQUE +/-20% •	
TYPE A (L2)	TYPE B (R2)	FORWARD TORQUE lbf-in (N-m)	REARWARD TORQUE lbf-in (N-m)
ST-10A2-35SA-XX	ST-10A2-35SB-XX	3.0 (0.34)	3.0 (0.34)
ST-10A2-70SA-XX	ST-10A2-70SB-XX	6.0 (0.68)	6.0 (0.68)
ST-10A2-100SA-XX	ST-10A2-100SB-XX	9.0 (1.02)	9.0 (1.02)
ST-10A2-135SA-XX	ST-10A2-135SB-XX	12.0 (1.36)	12.0 (1.36)
ST-10A2-170SA-XX	ST-10A2-170SB-XX	15 (1.7)	15 (1.7)
ST-10A2-200SA-XX	ST-10A2-200SB-XX	18 (2.04)	18 (2.04)•
ST-10A2-80FA-XX	ST-10A2-80FB-XX	6.7 (0.76)	5.3 (0.6)•
ST-10A2-95FA-XX	ST-10A2-95FB-XX	8.4 (0.95)	6.6 (0.75)•
ST-10A2-115FA-XX	ST-10A2-115FB-XX	10.1 (1.14)	8.0 (0.9)•
ST-10A2-130FA-XX	ST-10A2-130FB-XX	11.8 (1.33)	9.3 (1.05)•
ST-10A2-150FA-XX	ST-10A2-150FB-XX	13.5 (1.52)	10.6 (1.2)•
ST-10A2-170FA-XX	ST-10A2-170FB-XX	15.1 (1.71)	11.9 (1.35)•
ST-10A2-190FA-XX	ST-10A2-190FB-XX	16.8 (1.9)	13.3 (1.5)•
ST-10A2-210FA-XX	ST-10A2-210FB-XX	18.5 (2.09)	14.6 (1.65)•
ST-10A2-225FA-XX	ST-10A2-225FB-XX	20.2 (2.28)	15.9 (1.8)•
ST-10A2-80RA-XX	ST-10A2-80RB-XX	5.3 (0.6)•	6.7 (0.76)
ST-10A2-95RA-XX	ST-10A2-95RB-XX	6.6 (0.75)•	8.4 (0.95)
ST-10A2-115RA-XX	ST-10A2-115RB-XX	8.0 (0.9)•	10.1 (1.14)
ST-10A2-130RA-XX	ST-10A2-130RB-XX	9.3 (1.05)•	11.8 (1.33)
ST-10A2-150RA-XX	ST-10A2-150RB-XX	10.6 (1.2)•	13.5 (1.52)
ST-10A2-170RA-XX	ST-10A2-170RB-XX	11.9 (1.35)•	15.1 (1.71)
ST-10A2-190RA-XX	ST-10A2-190RB-XX	13.3 (1.5)•	16.8 (1.9)
ST-10A2-210RA-XX	ST-10A2-210RB-XX	14.6 (1.65)•	18.5 (2.09)
ST-10A2-225RA-XX	ST-10A2-225RB-XX	15.9 (1.8)•	20.2 (2.28)

• TOLERANCE IN LOW TORQUE DIRECTION ±30%

NOTES:
1. MATERIAL AND FINISH:
   HOUSING, ADAPTER AND END CAP - ZINC ALLOY, FOR FINISH, SEE TABLE
   SHAFT AND TORQUE ELEMENTS - HARDENED STEEL
2. INSTALL HINGE USING No.8 OR M4 SOCKET HEAD CAP SCREWS, OR EQUIVELANT, USE LOW PROFILE CAP SCREWS IF SCREW HEAD MUST BE SUBFLUSH.
3. FOR PROPER FUNCTION, ASSEMBLY MUST INCLUDE 1 TYPE A AND 1 TYPE B HINGES.
4. DIMENSIONS INDICATE AS BUILT CONDITON, LEAF TO LEAF SPACING WILL SELF-ADJUST DURING NORMAL OPERATION
5. PERFORMANCE TORQUE TOLERANCE OVER 20,000 CYCLES.
6. TYPE B HINGE SHOWN ABOVE. DIMENSIONS ARE THE SAME BUT MIRRORED FOR TYPE A HINGE.



PANEL PREPARATION

PART NUMBER	DESCRIPTION	FINISH
ST-10A2-XXXXW-33	ASSEMBLY - AS CAST	NATURAL
ST-10A2-XXXXW-53	ASSEMBLY - POWDER COATED	BLACK
ST-10A2-XXXXW-53	ASSEMBLY - BLACK ZINC PLATED	BLACK

CPS NUMBER	2021-0920	THIRD ANGLE PROJECTION	
		MILLIMETERS [IN]	
SURFACE AREA	XXXXXmm²	TOLERANCES UNLESS OTHERWISE NOTED	ALL DIMENSIONS WITHOUT TOLERANCES ARE FOR REFERENCE ONLY.
VOLUME	XXXXXmm³		
PROPRIETARY ITEM			PER ASME Y14.5M-1994

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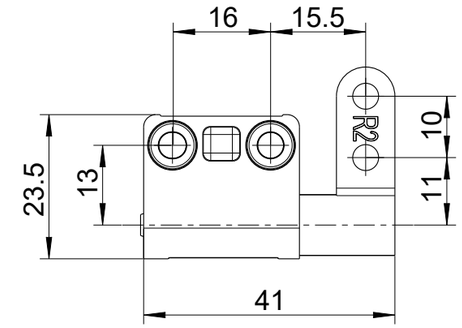
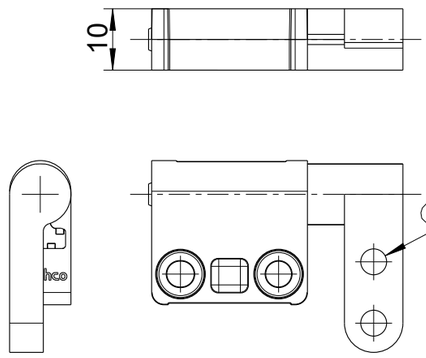
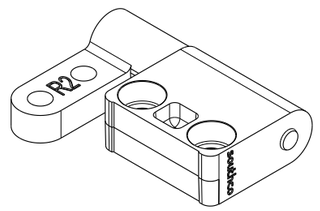
DESCRIPTION: HINGE & CONTROLLED MOTION DEVICE
ST-10A2-A AND ST-10A2-B HINGE ASSEMBLY

SIZE	SYSTEM	DWG NO.
A3	NX	J-ST-10A2

DRAWN BY	DATE	SCALE	SHEET
GEA/CMS	22JUN2023	1:1	1 OF 1







Konturlaenge/ contour length
0.00

Index	Name/name	Datum/date	Änderung Kommentar / change comment
a	MLj	28.04.2026	-

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Dokumentart/ document type		Datum/date	Name/name
PRT	erst.	17.10.2025	WLi
	gepr.	28.04.2026	mma

Benennung / title: Scharnier re

Volumen/ volume [dm^3]: 0.007

Allgemeintoleranz/general tolerance DIN ISO 2768-m-K

Status/ state: Freigegeben

Oberflaechensymbole/surface symbols DIN EN ISO 1302:2002-06

unbemaßte Werkstückkanten/ undefined chamfers DIN ISO 13715: -0.1 / +0.1

Werkstoff/ material	Oberfläche/ surface	Oberfläche Rohteil/ surface raw part	Rohteil/ raw part	Masse/ mass [kg]
Z410	schwarz	-	Norm	0.04

-

Maßstab/scale: 1:1

Format/size: A3

AUSTROFLAMM

Zeichnungsnummer / drawing number: 735766

Index: a

Blatt/ sheet 1 von/ of 1

entstanden aus/ arised from: -

Bezeichnung/ name: B:SOUTHCO:ST-10A2-150FB-53