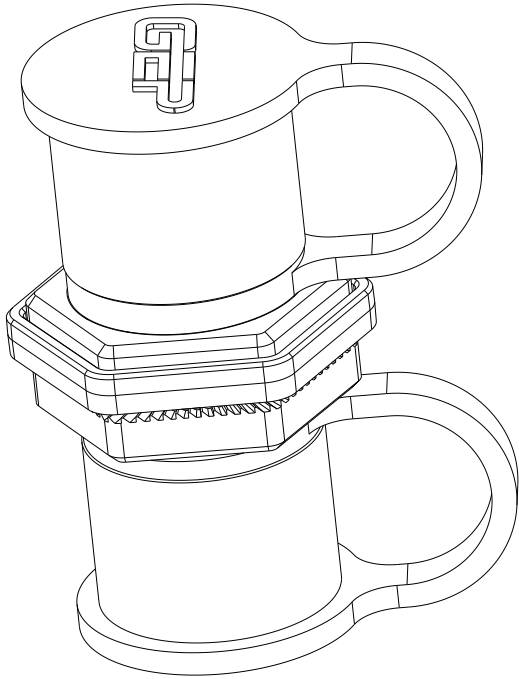


REV	REVISION DETAILS	ECO	DATE	BY	ABY
0	INITIAL RELEASE	NP-006850	05-30-2025	JWK	JML
1	UPDATED TYPICAL PANEL CUTOUT DIMENSIONS	NP-007018	08-19-2025	JWK	JML



ISO VIEW
FOR REF ONLY

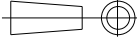
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CRITICAL DIMENSIONS ON FEATURES TO BE CHECKED DURING ANY SET-UP ADJUSTMENTS, TOOL CHANGES, OR ANNUAL MAINTENANCE ON TOOLING.

DIMENSIONS OR FEATURES TO BE CHECKED FROM RUN-TO-RUN

TOLERANCES UNLESS OTHERWISE SPECIFIED

THIRD ANGLE PROJECTION

METRIC TOL

ENGLISH TOL

DIMENSIONS INSIDE PARENTHESES OR CONTAINING "REF" ARE FOR REFERENCE ONLY.

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16830 Pheasant Drive
Brookfield, WI 53005

PART NO:

PASS-THRU SERIES (SALES)

DESCRIPTION:

PASS-THRU SERIES

CUSTOMER:

STANDARD

ENGLISH (IN)

REV
1

SHEET
1 OF 6

SCALE
1:1

SIZE
B

1/4" PASS-THRU
EXAMPLE CONFIGURATION & OPTIONS

TABLE A: PASS-THRU OPTIONS

PART NUMBER	DESCRIPTION	COLOR	STUD THREAD	STUD LENGTH
PTB-14D-10	PASS THRU - 1/4-28 WITH NYLON LOCKNUT - BLACK	BLACK	1/4"-28	0.50"
PTR-14D-10	PASS THRU - 1/4-28 WITH NYLON LOCKNUT - RED	RED	1/4"-28	0.50"

TABLE B: O-RING OPTIONS

PART NUMBER	DESCRIPTION	COLOR
SCI3-2000A-B001	O-RING - 022, FKM/VITON, SHORE 75A, BLACK	BLACK

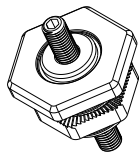
TABLE C: STUD NUT OPTIONS

PART NUMBER	DESCRIPTION	TYPE	MATERIAL	MAX PANEL THICKNESS
C02-1035	1/4"-28 SERRATED FLANGE NUT	FLANGE NUT	ZINC PLATED STEEL	0.36"

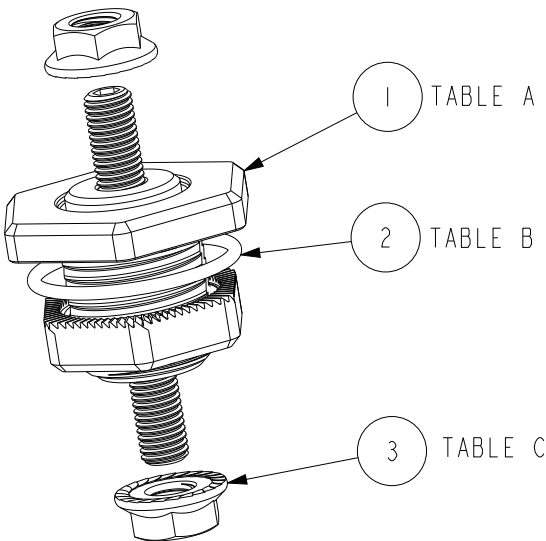
EXAMPLE
O-RING



EXAMPLE 1/4"
PASS-THRU

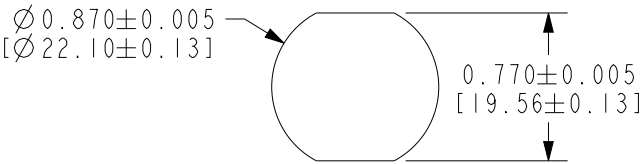


EXAMPLE
SERRATED FLANGE NUT



EXAMPLE CONFIGURATION
EXPLODE VIEW

TYPICAL PANEL CUTOUT



- NOTES:
- SEE COMPONENT PART NUMBER DRAWINGS FOR ADDITIONAL DIMENSIONS & DETAILS. DIMENSIONS ARE FOR REFERENCE ONLY.
 - ALL PARTS SOLD INDIVIDUALLY AT QTY 1
 - AMPERAGE: UP TO 300A, DEPENDING ON WIRE GAUGE/BUSBAR
 - MAX TORQUE: 1/4"-28 STUD NUTS - 13Nm (10 FT-LBS)
BODY MOUNTING NUT - 16Nm (12 FT-LBS)
 - PROPER TORQUE VALUES FOR EACH APPLICATION MUST BE DETERMINED BY CUSTOMER & NOT TO EXCEED MAXIMUM LISTED.
 - RoHS AND REACH COMPLIANT

EXAMPLE CONFIGURATION BOM			
ITEM	DESCRIPTION	PART NO.	QTY
1	PASS THRU - 1/4-28 WITH NYLON LOCKNUT - RED	PTR-14D-10	1
2	O-RING - 022, FKM/VITON, SHORE 75A, BLACK	SCI3-2000A-B001	1
3	NUT - 1/4IN-28 ZINC PLATED STEEL - FLANGE NUT	C02-1035	2

GEP POWER PRODUCTS		16830 Pheasant Drive Brookfield, WI 53005		
PART NO:		PASS-THRU SERIES (SALES)		
DESCRIPTION:		PASS-THRU SERIES		
CUSTOMER:		STANDARD		
ENGLISH (IN)	REV 1	SHEET 2 OF 6	SCALE 1:1	SIZE B

3/8" PASS-THRU
EXAMPLE CONFIGURATION & OPTIONS

TABLE A: PASS-THRU OPTIONS

PART NUMBER	DESCRIPTION	COLOR	STUD THREAD	STUD LENGTH
SC47-2010A-A001	PASS-THRU - 3/8IN-16, (STYLE A), BLACK	BLACK	3/8"-16	0.75"
SC47-2010A-A008	PASS-THRU - 3/8IN-16, (STYLE A), RED	RED	3/8"-16	0.75"
SC47-2010A-F001	PASS-THRU - 3/8IN-16, (STYLE A), IMPREG, BLACK	BLACK	3/8"-16	0.75"
SC47-2010A-F008	PASS-THRU - 3/8IN-16, (STYLE A), IMPREG, RED	RED	3/8"-16	0.75"

*SEE NOTE 8
*SEE NOTE 8

TABLE B: STUD NUT OPTIONS

PART NUMBER	DESCRIPTION	TYPE	MATERIAL	COMPATIBLE WITH BOOT
C02-1003	3/8IN DOUBLE NUT, ZINC PLATING	DOUBLE NUT	ZINC PLATED STEEL	C03-1000-XX (SEE TABLE E)
C02-1003-ZN	3/8IN DOUBLE NUT, ZINC NICKEL PLATING	DOUBLE NUT	ZINC-NICKEL PLATED STEEL	C03-1000-XX (SEE TABLE E)
C02-1011	NUT - 3/8IN-16 SERRATED FLANGE NUT	FLANGE NUT	ZINC PLATED STEEL	N/A
C02-1034	NUT - 3/8IN-16 HEAVY HEX	HEX NUT	ZINC PLATED STEEL	C03-1006-XX (SEE TABLE F)

TABLE C: WASHER/SEAL OPTIONS

PART NUMBER	DESCRIPTION	COLOR
SC10-2000A-B001	WASHER - SEAL - PASS-THRU, IP67, BLACK	BLACK
SC10-2000A-B008	WASHER - SEAL - PASS-THRU, IP67, RED	RED
C14-1003	SEAL - PASS THRU SEAL	BLACK

*SEE C14-1003 SEAL CAVITY GEOMETRY

TABLE D: PASS-THRU BODY NUT OPTIONS

PART NUMBER	DESCRIPTION	COLOR	MATERIAL	MAX PANEL THICKNESS
C02-1010-B	NUT - PLASTIC LOCKNUT - 1IN-11 1/2 NPSM - BLACK	BLACK	NYLON	0.24" (SEE NOTE 3)
C02-1010-R	NUT - PLASTIC LOCKNUT - 1IN-11 1/2 NPSM - RED	RED	NYLON	0.24" (SEE NOTE 3)
C02-1001	NUT - LOCKNUT, STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL	0.34" (SEE NOTE 3)

TABLE E: BOOT OPTIONS (FOR DOUBLE NUTS & FLANGE NUTS)

PART NUMBER	DESCRIPTION	COLOR
C03-1000-B1	BOOT - PASS-THRU - PLAIN - BLACK	BLACK
C03-1000-B2	BOOT - PASS-THRU - GEP - BLACK	BLACK
C03-1000-R1	BOOT - PASS-THRU - PLAIN - RED	RED
C03-1000-R2	BOOT - PASS-THRU - GEP - RED	RED

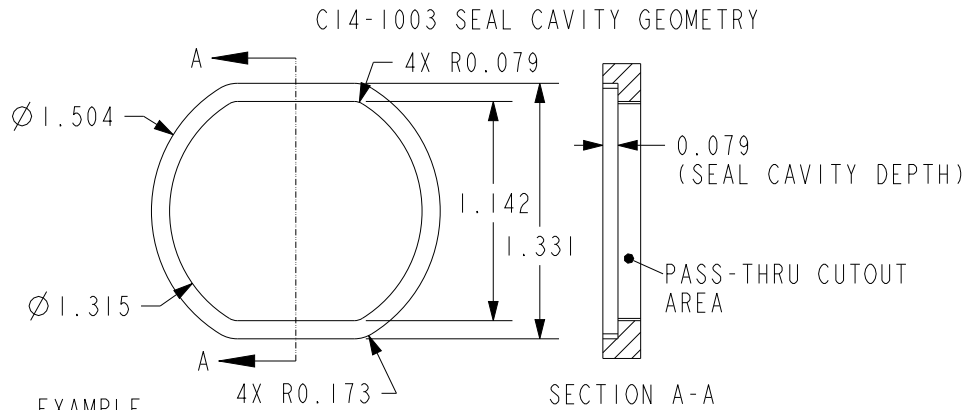
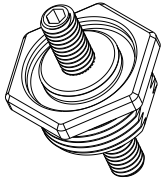
TABLE F: BOOT OPTIONS (FOR C02-1034 HEAVY HEX NUT)

PART NUMBER	DESCRIPTION	COLOR
C03-1006-B1	BOOT - PASS-THRU - FLANGE NUT - PLAIN - BLACK	BLACK
C03-1006-B2	BOOT - PASS-THRU - FLANGE NUT - GEP - BLACK	BLACK
C03-1006-R1	BOOT - PASS-THRU - FLANGE NUT - PLAIN - RED	RED
C03-1006-R2	BOOT - PASS-THRU - FLANGE NUT - GEP - RED	RED

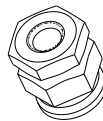
NOTES:

- SEE COMPONENT PART NUMBER DRAWINGS FOR ADDITIONAL DIMENSIONS & DETAILS. DIMENSIONS ARE FOR REFERENCE ONLY.
- ALL PARTS SOLD INDIVIDUALLY AT QTY 1
- MAX PANEL THICKNESS WILL BE REDUCED IF SC10-2000A-B00X SEAL IS USED
- AMPERAGE: UP TO 600A, DEPENDING ON WIRE GAUGE/BUSBAR
- MAX TORQUE: 3/8"-16 STUD NUTS - 40Nm (30 FT-LBS)
BODY MOUNTING NUT - 13Nm (10 FT-LBS)
- PROPER TORQUE VALUES FOR EACH APPLICATION MUST BE DETERMINED BY CUSTOMER & NOT TO EXCEED MAXIMUM LISTED.
- RoHS AND REACH COMPLIANT
- IMPREGNATED PASS-THRUS - RATED FOR IP67 WATER INGRESS WHEN USED WITH IP67 SEAL WASHER

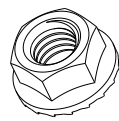
EXAMPLE 3/8"
PASS-THRU/IMPREG



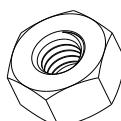
EXAMPLE
DOUBLE NUT



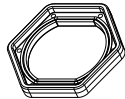
EXAMPLE
FLANGE NUT



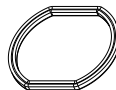
EXAMPLE
HEAVY HEX
NUT



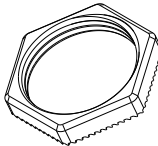
EXAMPLE
WASHER SEAL



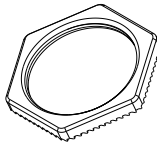
EXAMPLE
SEAL



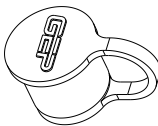
EXAMPLE
PLASTIC
LOCKNUT



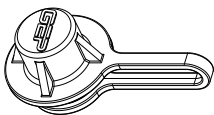
EXAMPLE
SS
LOCKNUT



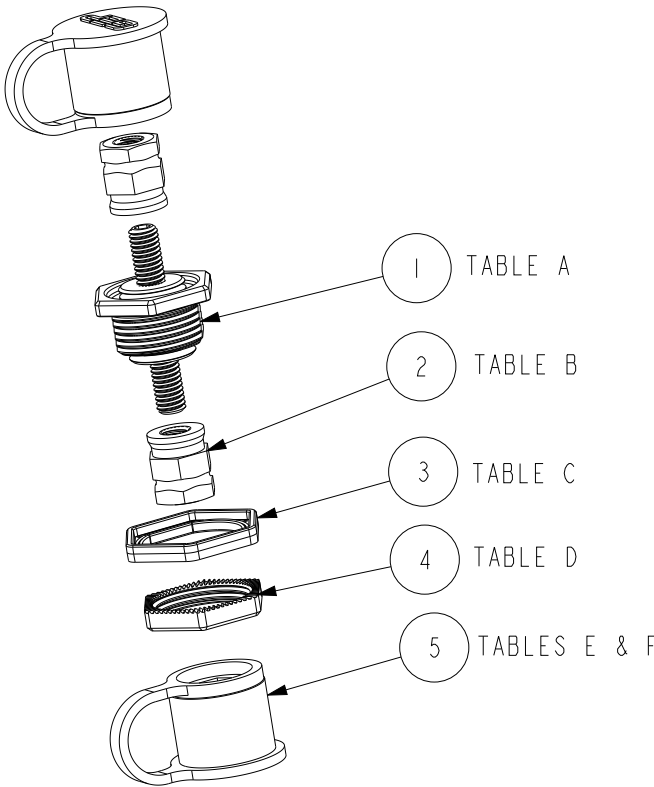
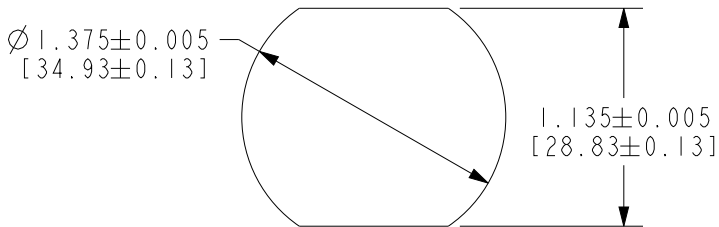
EXAMPLE BOOT
FOR DOUBLE &
FLANGE NUTS



EXAMPLE BOOT
FOR HEAVY
HEX NUT



TYPICAL PANEL CUTOUT



EXAMPLE CONFIGURATION
EXPLODE VIEW

EXAMPLE CONFIGURATION BOM

ITEM	DESCRIPTION	PART NO.	QTY
1	PASS-THRU - 3/8IN-16, (STYLE A), RED	SC47-2010A-A008	1
2	NUT - 3/8"-16 DOUBLE NUT, ZINC NICKEL PLATING	C02-1003-ZN	2
3	WASHER - PASS-THRU, IP67, RED	SC10-2000A-B008	1
4	NUT, PASS-THRU, RED	C02-1010-R	1
5	BOOT - PASS-THRU, RED, GEP	C03-1000-R2	2

GEP POWER PRODUCTS		16830 Pheasant Drive Brookfield, WI 53005			
PART NO:		PASS-THRU SERIES (SALES)			
DESCRIPTION:		PASS-THRU SERIES			
CUSTOMER:		STANDARD			
ENGLISH (IN)	REV 1	SHEET 3 OF 6	SCALE 1:2.5	SIZE B	

1/2" STYLE B PASS-THRU
EXAMPLE CONFIGURATION & OPTIONS

TABLE A: PASS-THRU OPTIONS

PART NUMBER	DESCRIPTION	COLOR	STUD THREAD	STUD LENGTH
SC47-2011B-A001	PASS-THRU - 1/2IN-13, (STYLE B), BLACK	BLACK	1/2"-13	1.05"
SC47-2011B-A008	PASS-THRU - 1/2IN-13, (STYLE B), RED	RED	1/2"-13	1.05"
SC47-2011B-F001	PASS-THRU - 1/2IN-13, (STYLE B), IMPREG, BLACK	BLACK	1/2"-13	1.05"
SC47-2011B-F008	PASS-THRU - 1/2IN-13, (STYLE B), IMPREG, RED	RED	1/2"-13	1.05"

TABLE B: STUD NUT OPTIONS

PART NUMBER	DESCRIPTION	TYPE	MATERIAL	COMPATIBLE WITH BOOT
C02-1002	1/2IN DOUBLE NUT, ZINC PLATING	DOUBLE NUT	ZINC PLATED STEEL	C03-1000-XX (SEE TABLE E)
C02-1002-ZN	NUT - 1/2IN DOUBLE NUT, ZINC NICKEL PLATING	DOUBLE NUT	ZINC-NICKEL PLATED STEEL	C03-1000-XX (SEE TABLE E)
C02-1000-1	NUT - 1/2-13, FLANGE	FLANGE NUT	ZINC PLATED STEEL	C03-1000-XX (SEE TABLE E)
C02-1024	NUT - SERRATED FLANGE NUT - 1/2IN-13 - ZINC	FLANGE NUT	ZINC PLATED STEEL	C03-1000-XX (SEE TABLE E)

TABLE C: WASHER/SEAL OPTIONS

PART NUMBER	DESCRIPTION	COLOR
SC10-2000A-B001	WASHER - SEAL - PASS-THRU, IP67, BLACK	BLACK
SC10-2000A-B008	WASHER - SEAL - PASS-THRU, IP67, RED	RED
C14-1003	SEAL - PASS THRU SEAL	BLACK

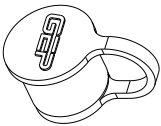
TABLE E: PASS-THRU BODY NUT OPTIONS

PART NUMBER	DESCRIPTION	BODY STYLE	COLOR	MATERIAL	MAX PANEL THICKNESS
C02-1010-B	NUT - PLASTIC LOCKNUT - 1IN-11 1/2 NPSM - BLACK	B	BLACK	NYLON	0.26" (SEE NOTE 3)
C02-1010-R	NUT - PLASTIC LOCKNUT - 1IN-11 1/2 NPSM - RED	B	RED	NYLON	0.26" (SEE NOTE 3)
C02-1001	NUT - LOCKNUT, STAINLESS STEEL	B	STAINLESS STEEL	STAINLESS STEEL	0.34" (SEE NOTE 3)

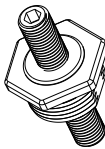
TABLE F: BOOT OPTIONS (FOR DOUBLE NUTS & FLANGE NUTS)

PART NUMBER	DESCRIPTION	COLOR
C03-1000-B1	BOOT - PASS-THRU - PLAIN - BLACK	BLACK
C03-1000-B2	BOOT - PASS-THRU - GEP - BLACK	BLACK
C03-1000-R1	BOOT - PASS-THRU - PLAIN - RED	RED
C03-1000-R2	BOOT - PASS-THRU - GEP - RED	RED

EXAMPLE BOOT
FOR DOUBLE &
FLANGE NUTS

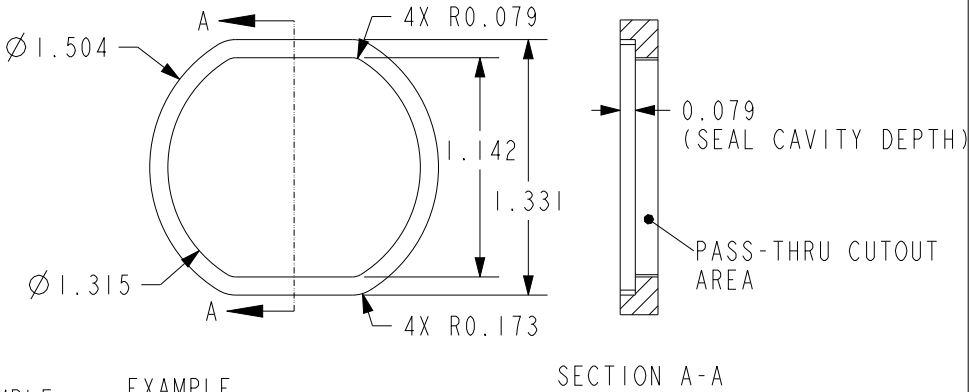


EXAMPLE 1/2"
PASS-THRU
STYLE B,
STYLE B IMPREG



*SEE NOTE 8
*SEE NOTE 8

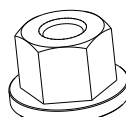
C14-1003 SEAL CAVITY GEOMETRY



EXAMPLE
DOUBLE NUT



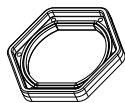
EXAMPLE
FLANGE NUT



EXAMPLE
SERRATED
FLANGE NUT



EXAMPLE
WASHER SEAL

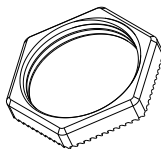


EXAMPLE
SEAL

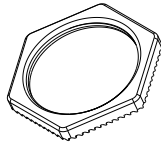


*SEE C14-1003 SEAL CAVITY GEOMETRY

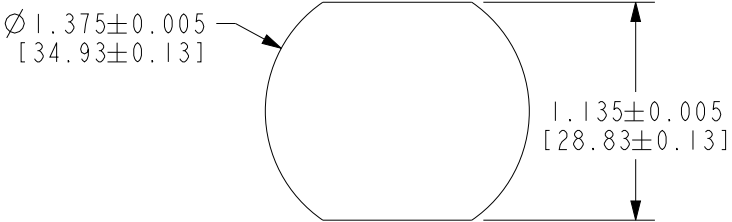
EXAMPLE
PLASTIC
LOCKNUT



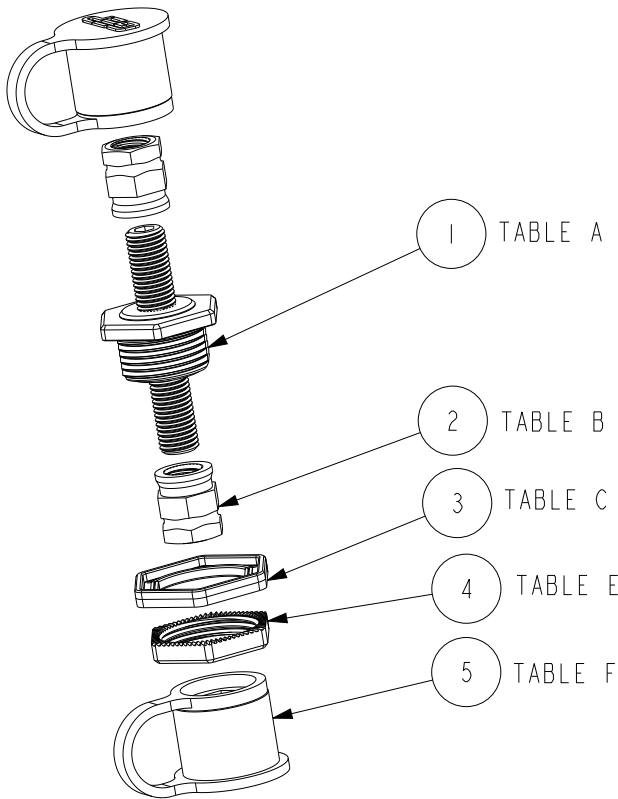
EXAMPLE
SS
LOCKNUT



TYPICAL PANEL CUTOUT
STYLE B



EXAMPLE CONFIGURATION
EXPLODE VIEW



- NOTES:
- SEE COMPONENT PART NUMBER DRAWINGS FOR ADDITIONAL DIMENSIONS & DETAILS. DIMENSIONS ARE FOR REFERENCE ONLY.
 - ALL PARTS SOLD INDIVIDUALLY AT QTY 1
 - MAX PANEL THICKNESS WILL BE REDUCED IF SC10-2000A-B00X SEAL IS USED
 - AMPERAGE: UP TO 600A, DEPENDING ON WIRE GAUGE/BUSBAR
 - MAX TORQUE: 1/2"-13 STUD NUTS - 54Nm (40 FT-LBS)
STYLE B BODY MOUNTING NUT - 13Nm (10 FT-LBS)
 - PROPER TORQUE VALUES FOR EACH APPLICATION MUST BE DETERMINED BY CUSTOMER & NOT TO EXCEED MAXIMUM LISTED.
 - RoHS AND REACH COMPLIANT
 - IMPREGNATED PASS-THRUS - RATED FOR IP67 WATER INGRESS WHEN USED WITH IP67 SEAL WASHER

EXAMPLE CONFIGURATION BOM

ITEM	DESCRIPTION	PART NO.	QTY
1	PASS-THRU - 1/2IN-13, (STYLE B), IMPREG, BLACK	SC47-2011B-F001	1
2	NUT - 1/2IN DOUBLE NUT, ZINC PLATING	C02-1002	2
3	WASHER - PASS-THRU, IP67, BLACK	SC10-2000A-B001	1
4	NUT - PASS-THRU - BLACK	C02-1010-B	1
5	BOOT - PASS-THRU, BLACK, GEP	C03-1000-B2	2

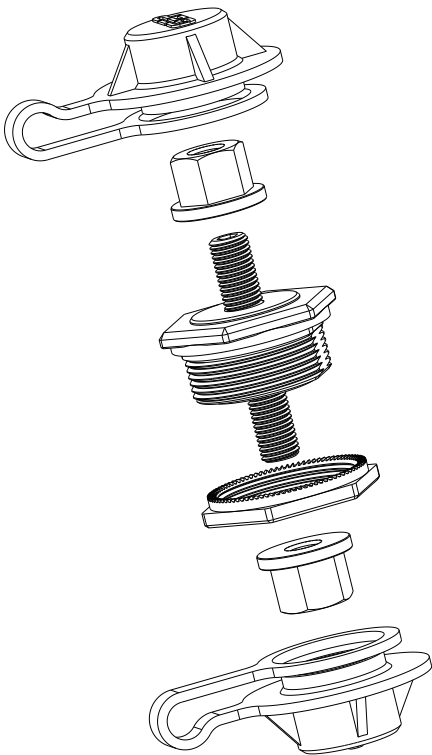
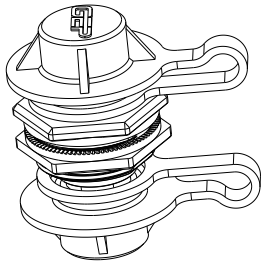
GEP POWER PRODUCTS		16830 Pheasant Drive Brookfield, WI 53005			
PART NO:		PASS-THRU SERIES (SALES)			
DESCRIPTION:		PASS-THRU SERIES			
CUSTOMER:		STANDARD			
ENGLISH (IN)	REV 1	SHEET 4 OF 6	SCALE 1:2	SIZE B	

1/2" STYLE C PASS-THRU
OPTIONS

TABLE A: PASS-THRU OPTIONS

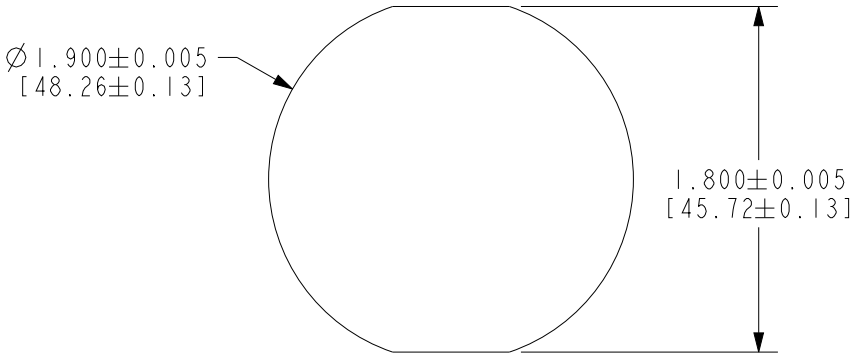
PART NUMBER	DESCRIPTION	COLOR	STUD THREAD	STUD LENGTH
PTB-12C-01	PASS-THRU - 1/2IN STYLE C - FLANGE NUTS - PLST BDY NUT - BOOTS - BLACK	BLACK	1/2"-13	0.94"
PTR-12C-01	PASS-THRU - 1/2IN STYLE C - FLANGE NUTS - PLST BDY NUT - BOOTS - RED	RED	1/2"-13	0.94"

EXAMPLE 1/2"
PASS-THRU
STYLE C



EXPLODE VIEW

TYPICAL PANEL CUTOUT
STYLE C



- NOTES:
- 1. SEE COMPONENT PART NUMBER DRAWINGS FOR ADDITIONAL DIMENSIONS & DETAILS.
DIMENSIONS ARE FOR REFERENCE ONLY.
 - 2. AMPERAGE: UP TO 1000A, DEPENDING ON WIRE GAUGE/BUSBAR
 - 3. MAX TORQUE: 1/2"-13 STUD NUTS - 54Nm (40 FT-LBS)
STYLE C BODY MOUNTING NUT - 27Nm (20 FT-LBS)
 - 4. PROPER TORQUE VALUES FOR EACH APPLICATION MUST BE
DETERMINED BY CUSTOMER & NOT TO EXCEED MAXIMUM LISTED.
 - 5. RoHS AND REACH COMPLIANT

GEP POWER PRODUCTS		16830 Pheasant Drive Brookfield, WI 53005			
PART NO:		PASS-THRU SERIES (SALES)			
DESCRIPTION:		PASS-THRU SERIES			
CUSTOMER:		STANDARD			
ENGLISH (IN)	REV	SHEET	SCALE	SIZE	
	1	5 OF 6	1:2	B	

M12 PASS-THRU
EXAMPLE CONFIGURATION & OPTIONS

TABLE A: PASS-THRU OPTIONS

PART NUMBER	DESCRIPTION	COLOR	STUD THREAD	STUD LENGTH
SC47-2012B-A001	PASS-THRU - M12 X 1.75 (STYLE B), BLACK	BLACK	M12 X 1.75	0.93" (23.6 MM)
SC47-2012B-A008	PASS-THRU - M12 X 1.75 (STYLE B), RED	RED	M12 X 1.75	0.93" (23.6 MM)

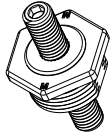
TABLE B: STUD NUT OPTIONS

PART NUMBER	DESCRIPTION	TYPE	MATERIAL
SC02-2000A-C000	NUT - M12 X 1.75, FLANGE, SERRATED	FLANGE NUT	ZINC PLATED STEEL

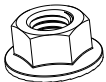
TABLE C: PASS-THRU BODY NUT OPTIONS

PART NUMBER	DESCRIPTION	COLOR	MATERIAL	MAX PANEL THICKNESS
C02-1010-B	NUT - PASS-THRU - BLACK	BLACK	NYLON	0.275" (7 MM)
C02-1010-R	NUT - PASS-THRU - RED	RED	NYLON	0.275" (7 MM)
C02-1001	NUT - LOCKNUT, STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL	0.334" (8.5 MM)

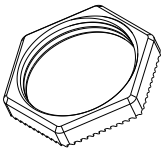
EXAMPLE M12
PASS-THRU



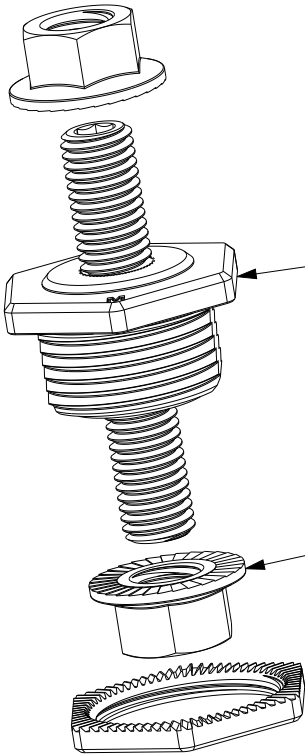
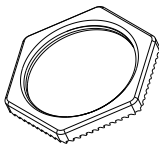
EXAMPLE
FLANGE NUT



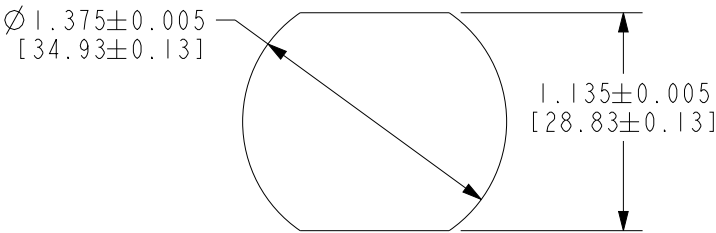
EXAMPLE
PLASTIC
LOCKNUT



EXAMPLE
SS
LOCKNUT



TYPICAL PANEL CUTOUT



- NOTES:
- SEE COMPONENT PART NUMBER DRAWINGS FOR ADDITIONAL DIMENSIONS & DETAILS. DIMENSIONS ARE FOR REFERENCE ONLY.
 - ALL PARTS SOLD INDIVIDUALLY AT QTY 1
 - AMPERAGE: UP TO 600A, DEPENDING ON WIRE GAUGE/BUSBAR
 - MAX TORQUE: M12 X 1.75 STUD NUTS - 54 Nm (40 FT-LBS)
BODY MOUNTING NUT - 13Nm (10 FT-LBS)
 - PROPER TORQUE VALUES FOR EACH APPLICATION MUST BE DETERMINED BY CUSTOMER & NOT TO EXCEED MAXIMUM LISTED.
 - RoHS AND REACH COMPLIANT

EXAMPLE ASSEMBLY BOM

ITEM	DESCRIPTION	PART NO.	QTY
1	PASS-THRU - M12 X 1.75, (STYLE B), BLACK	SC47-2012B-A001	1
2	NUT - M12 X 1.75, FLANGE, SERRATED	SC02-2000A-C000	2
3	NUT - LOCKNUT 11N-11 1/2 NPSI, STAINLESS STEEL		1

GEP POWER PRODUCTS		16830 Pheasant Drive Brookfield, WI 53005			
PART NO:		PASS-THRU SERIES (SALES)			
DESCRIPTION:		PASS-THRU SERIES			
CUSTOMER:		STANDARD			
ENGLISH (IN)	REV 1	SHEET 6 OF 6	SCALE 1:1.25	SIZE B	