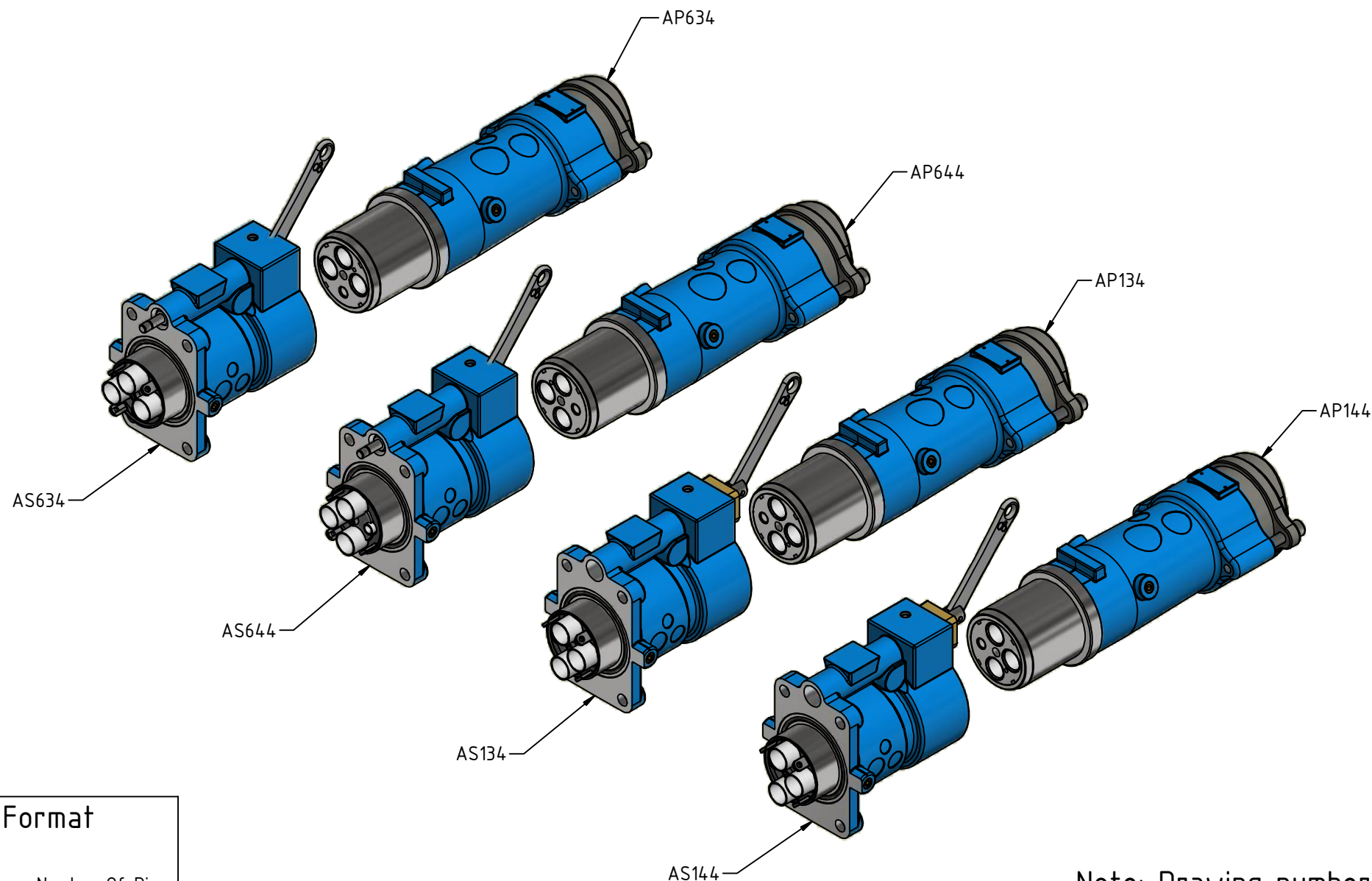
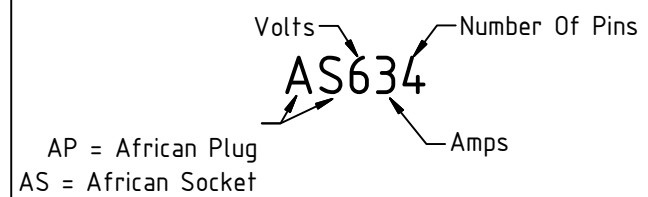




Product Name Format





Document Number:
MASC M/24-2041X

Technical Specialist:

M. Erasmus

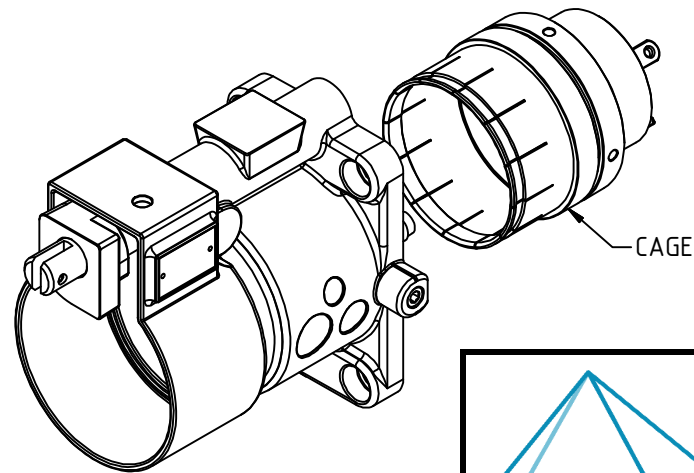
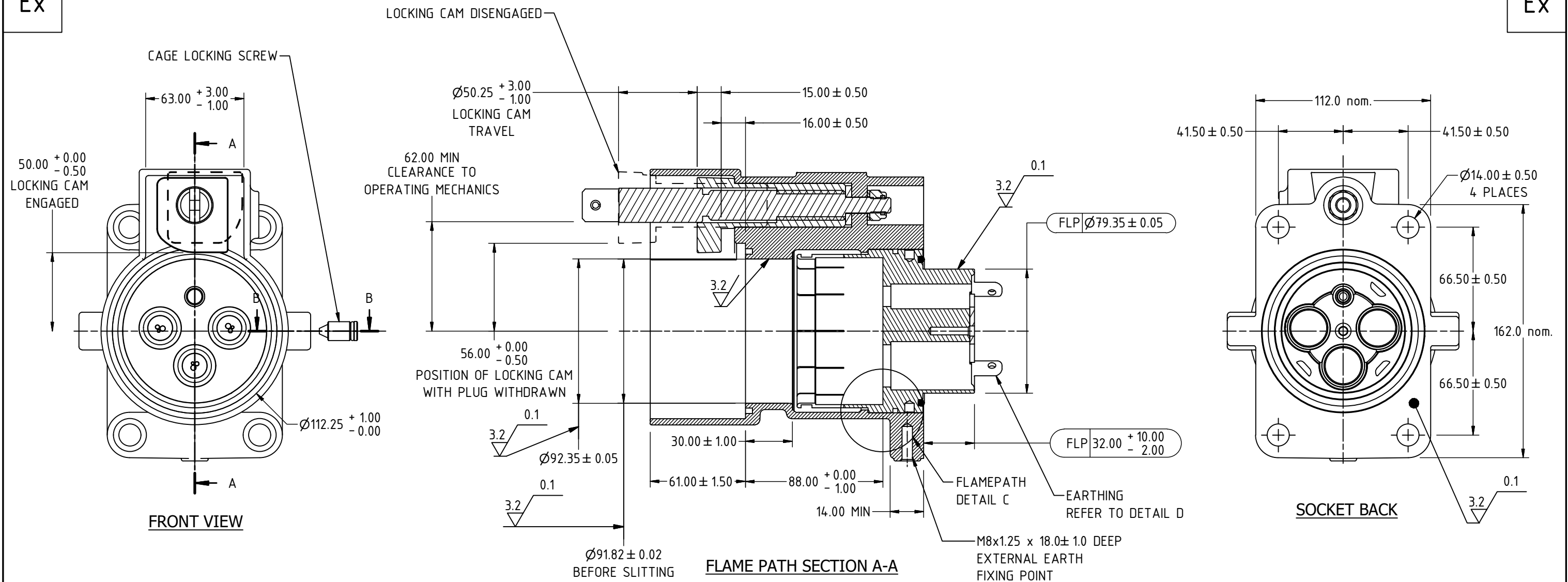
Date: 14/06/2024

Note: Drawing numbers and their category
ExARPR300M2-C1000 - Concept Drawings
ExARPR300M2-C1100 - Flameproof
ExARPR300M2-C1200 - Product Range
ExARPR300M2-C1300 - General

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DIMENSIONS (Metric-millimetre-mm) UNLESS OTHERWISE SPECIFIED		X.X 0.1 X.XX 0.05		DRAWN BY D.MINENKO		APPROVED BY C.TAYLOR	
ALL SURFACES TO UNLESS OTHERWISE NOTED		SIZE A3		DRAWING NUMBER ExARPR300M2-C1000		PRODUCT NAME 300 SERIES INDEX CUSTOMER COPY	
5		24/11/2022		DM		NEW REVISION	
REVISION NUMBER		REVISION DATE		REVISION BY		REVISION DESCRIPTION	

Ex

Ex

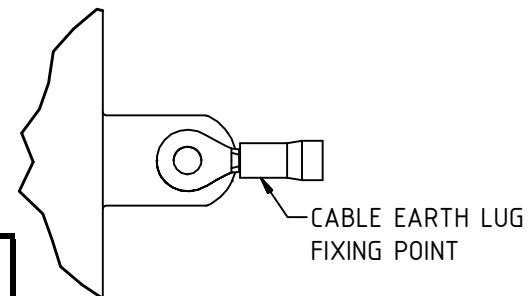


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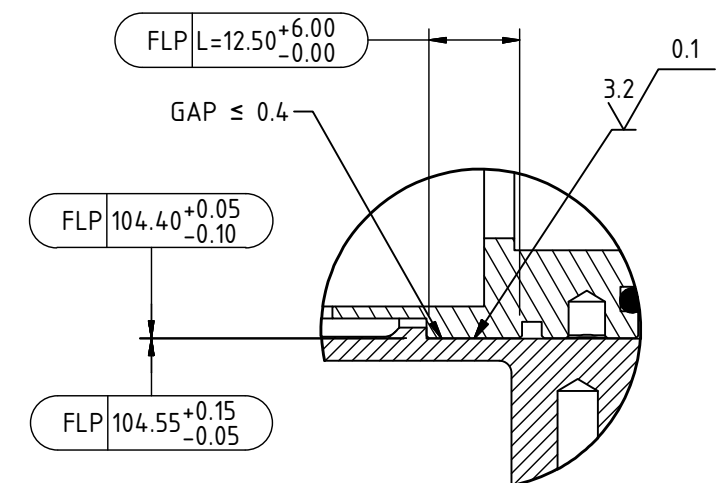
Document Number:
MASC M/24-2041X

Technical Specialist:
M. Erasmus
M. Erasmus
Date: 14/06/2024

MASC



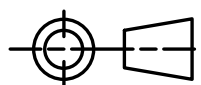
DETAIL D



FLAMEPATH DETAIL C

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SIZE

A3

DRAWING NUMBER

ExARPR300M2-C1100

PRODUCT NAME

COMMON SOCKET BODY
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REVISION NUMBER

29/11/2022

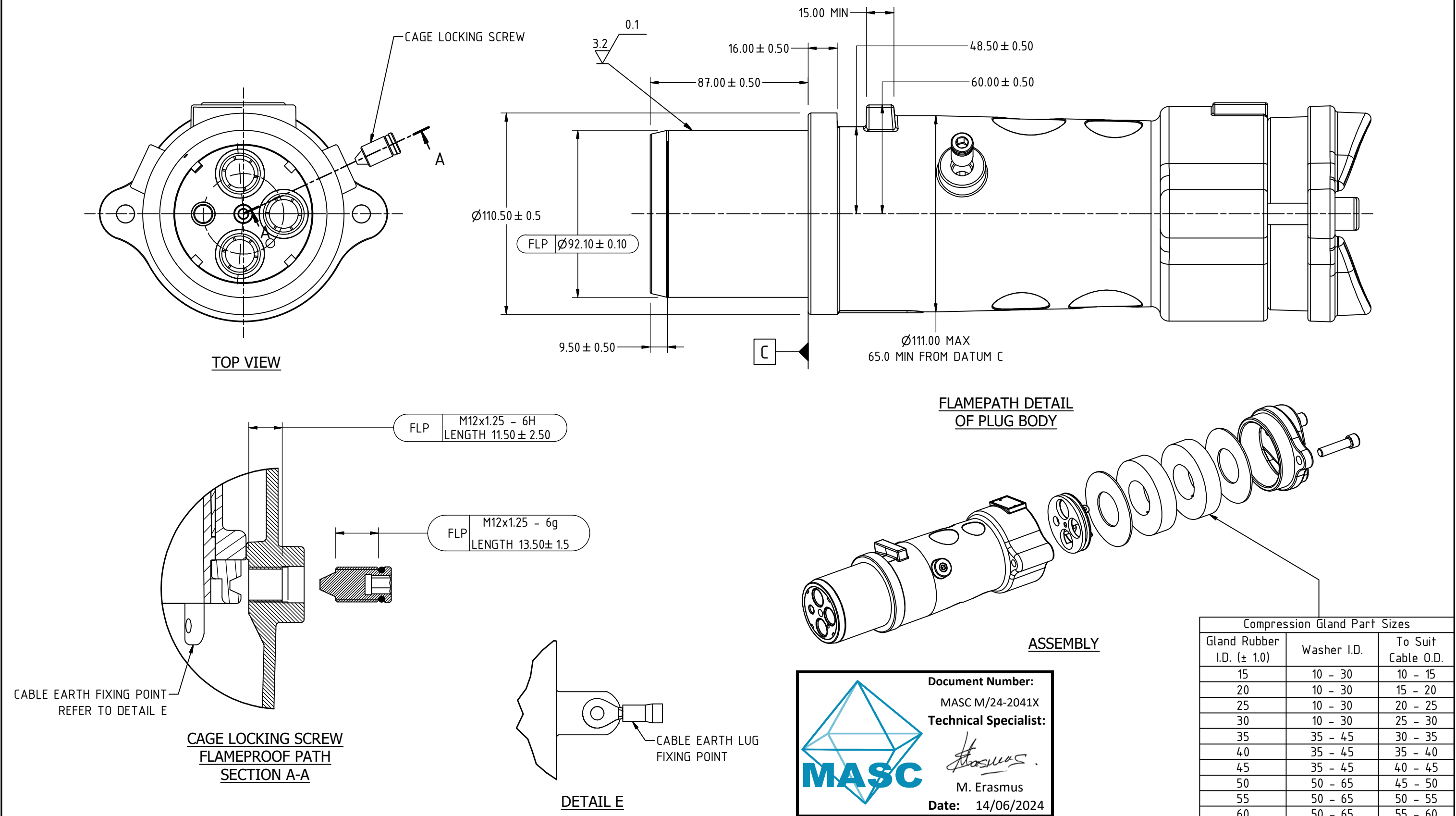
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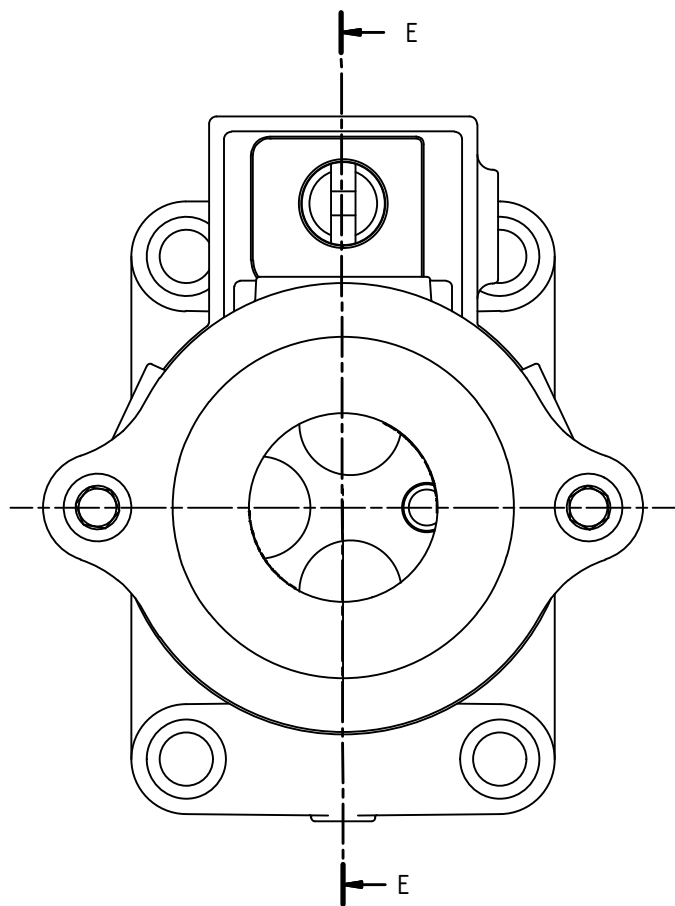
DM

REVISION BY

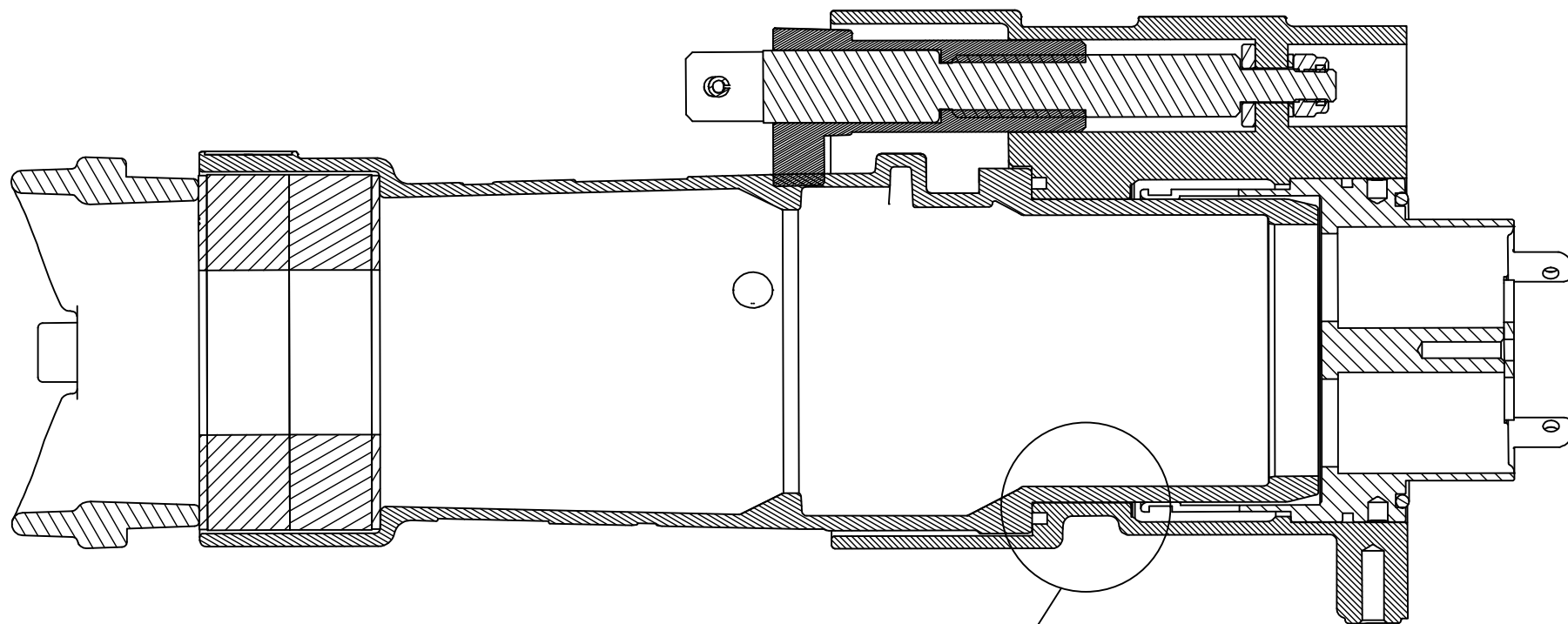
NEW REVISION

REVISION DESCRIPTION

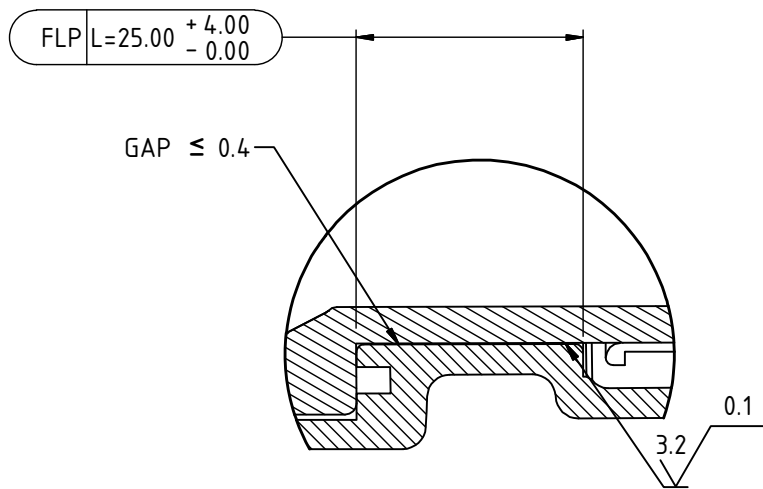




PLUG SOCKET COUPLING
END VIEW



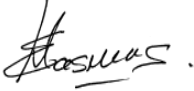
SECTION E-E



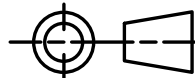
PLUG SOCKET ENGAGEMENT
FLAMEPROOF PATH
DETAIL B



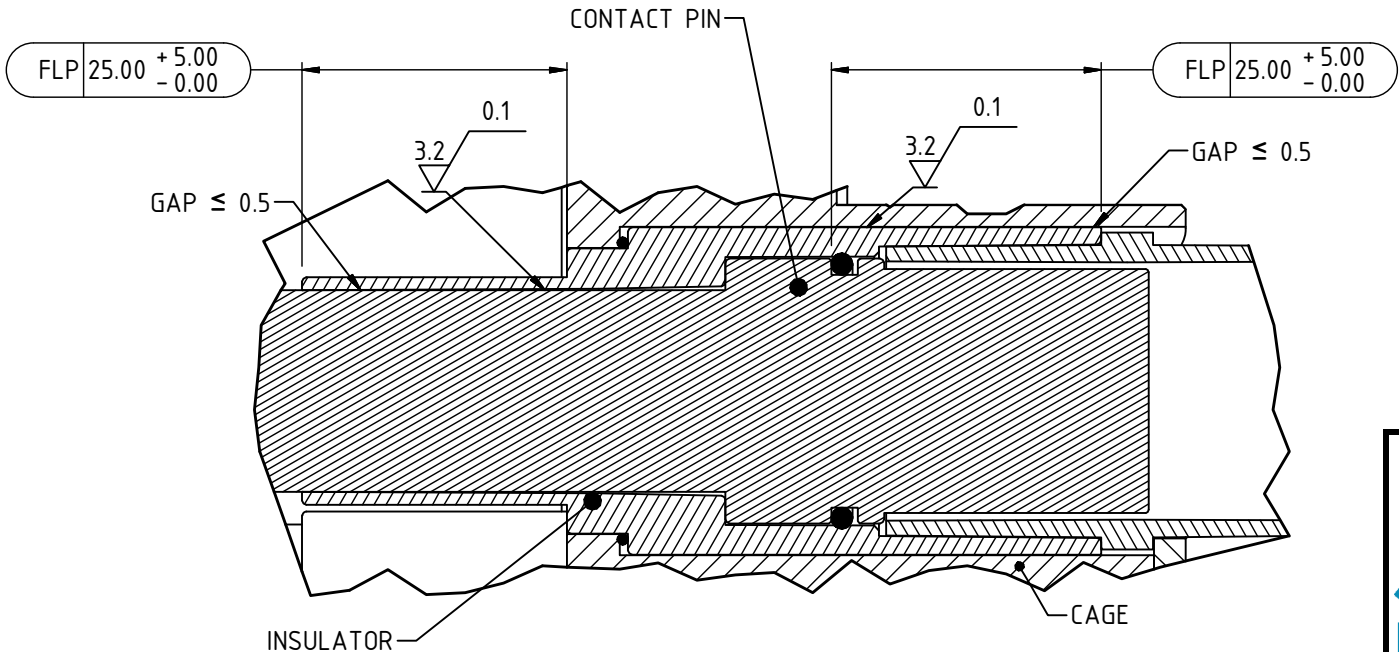
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MASC M/24-2041X

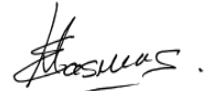
Technical Specialist:

M. Erasmus

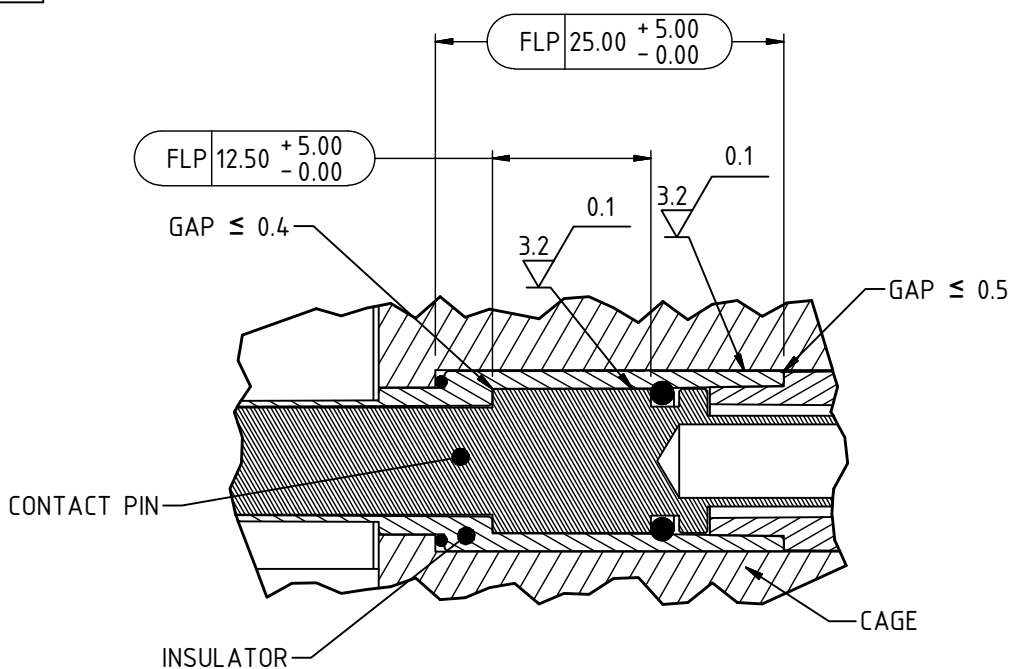
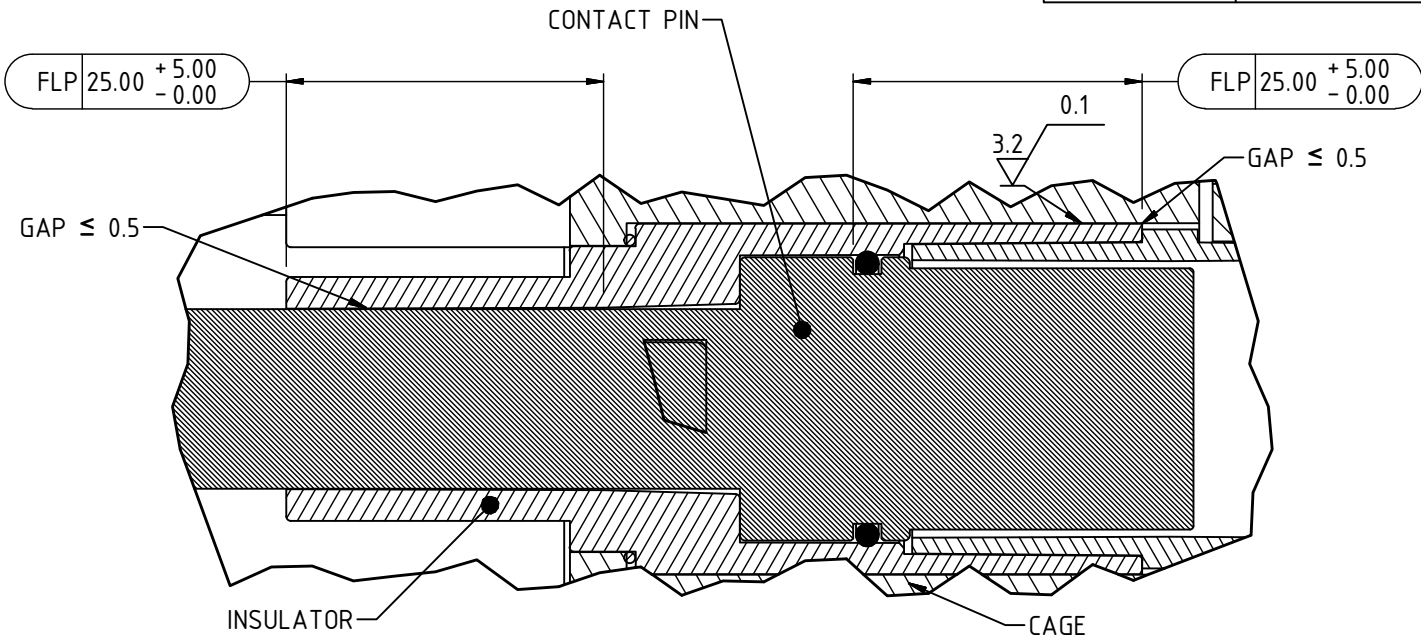
Date: 14/06/2024

KonNx Africa (Pty) Ltd			DETAIL B								
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DIMENSIONS (Metric-millimetre-mm) UNLESS OTHERWISE SPECIFIED	X.X 0.1 X.XX 0.05		APPROVED BY C.TAYLOR		DRAWING NUMBER ExARPR300M2-C1102	PRODUCT NAME PLUG AND SOCKET ENGAGED CUSTOMER COPY	5	29/11/2022	DM	NEW REVISION	
			SIZE A3				REVISION NUMBER	REVISION DATE	REVISION BY	REVISION DESCRIPTION	

SOCKET CONTACT/INSULATOR/4 PIN CAGE ASSEMBLY
FLAME PROOF PATHS



 **Document Number:**
MASC M/24-2041X
Technical Specialist:

M. Erasmus
Date: 14/06/2024



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SIZE

A3

DRAWING NUMBER

ExARPR300M2-C1103

PRODUCT NAME

FLAME PATH SPECIFICATIONS
CUSTOMER COPY

5

REVISION NUMBER

29/11/2022

REVISION DATE

DM

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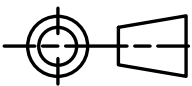
NEW REVISION

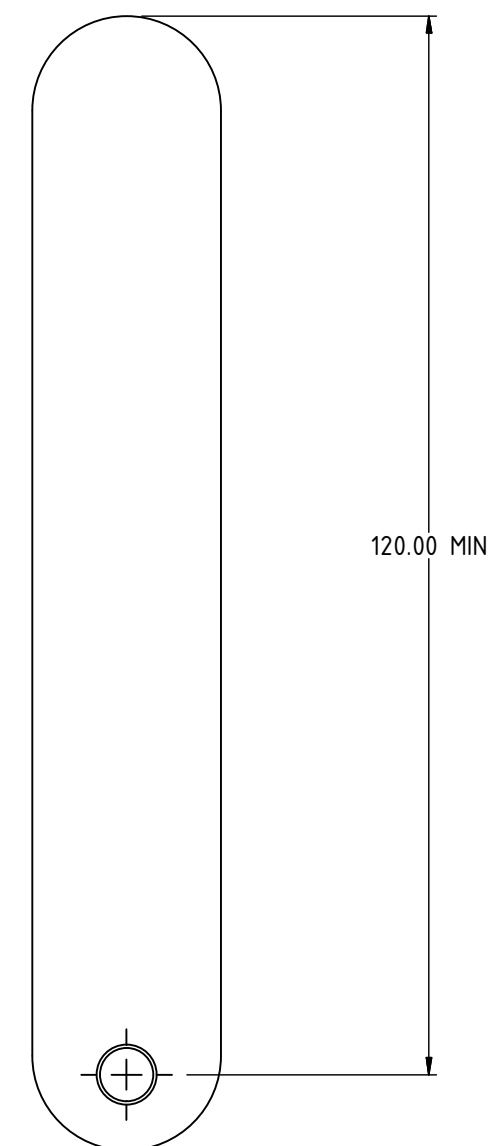
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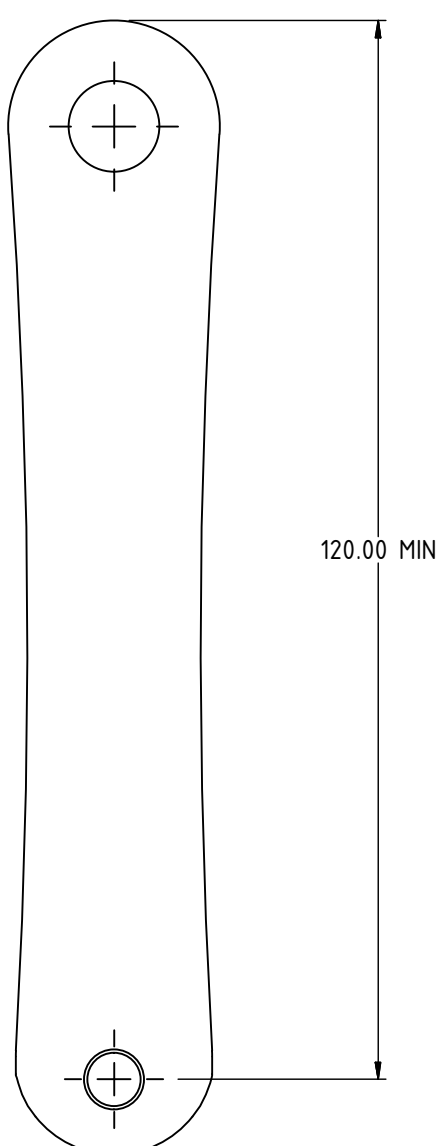
ALL SURFACES TO
UNLESS OTHERWISE NOTED

X.X 0.1
X.XX 0.05

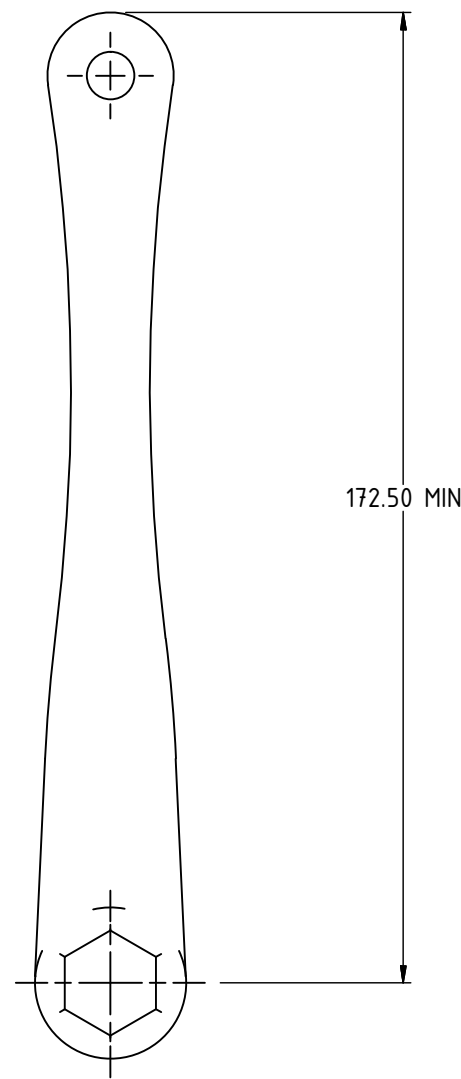




JACK IN HANDLE
PN1535



JACK IN HANDLE
PN2764

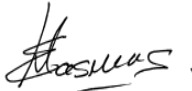


QUICK RELEASE HANDLE

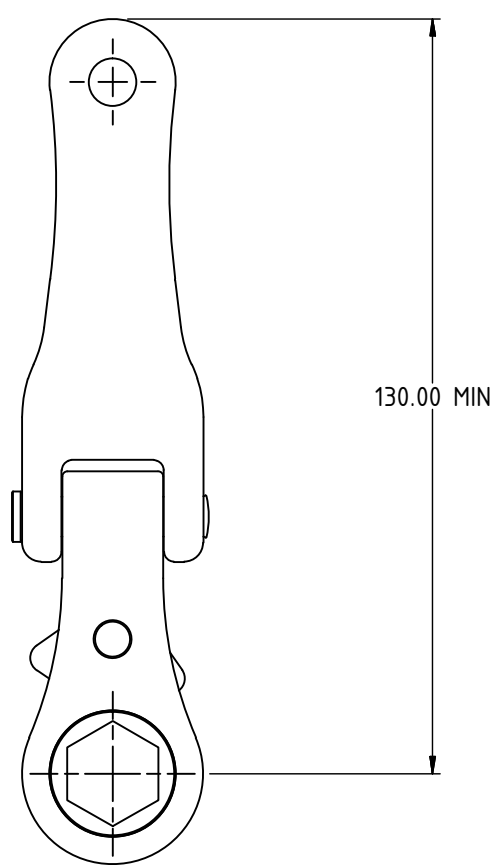
NOTE:
FOR QUICK RELEASE
ADD PREFIX (QR) TO ORDER CODE



Document Number:
MASC M/24-2041X

Technical Specialist:

M. Erasmus

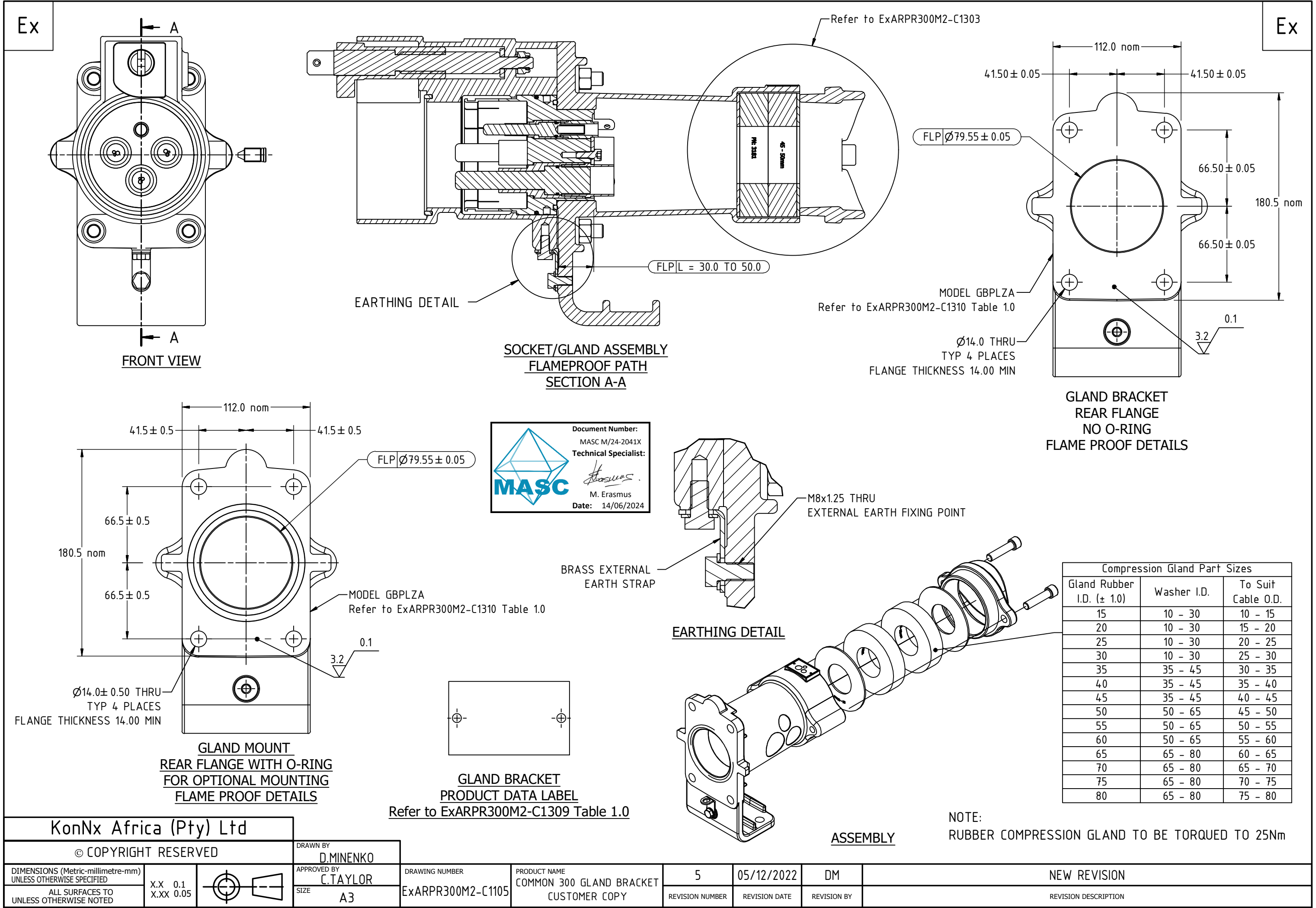
Date: 14/06/2024



RATCHET RELEASE HANDLE

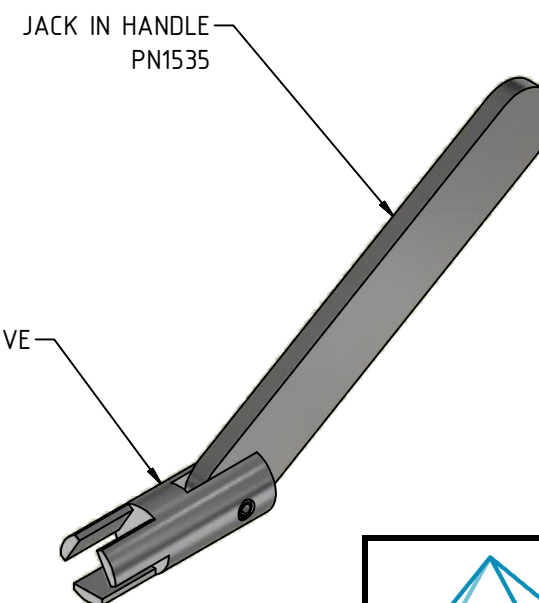
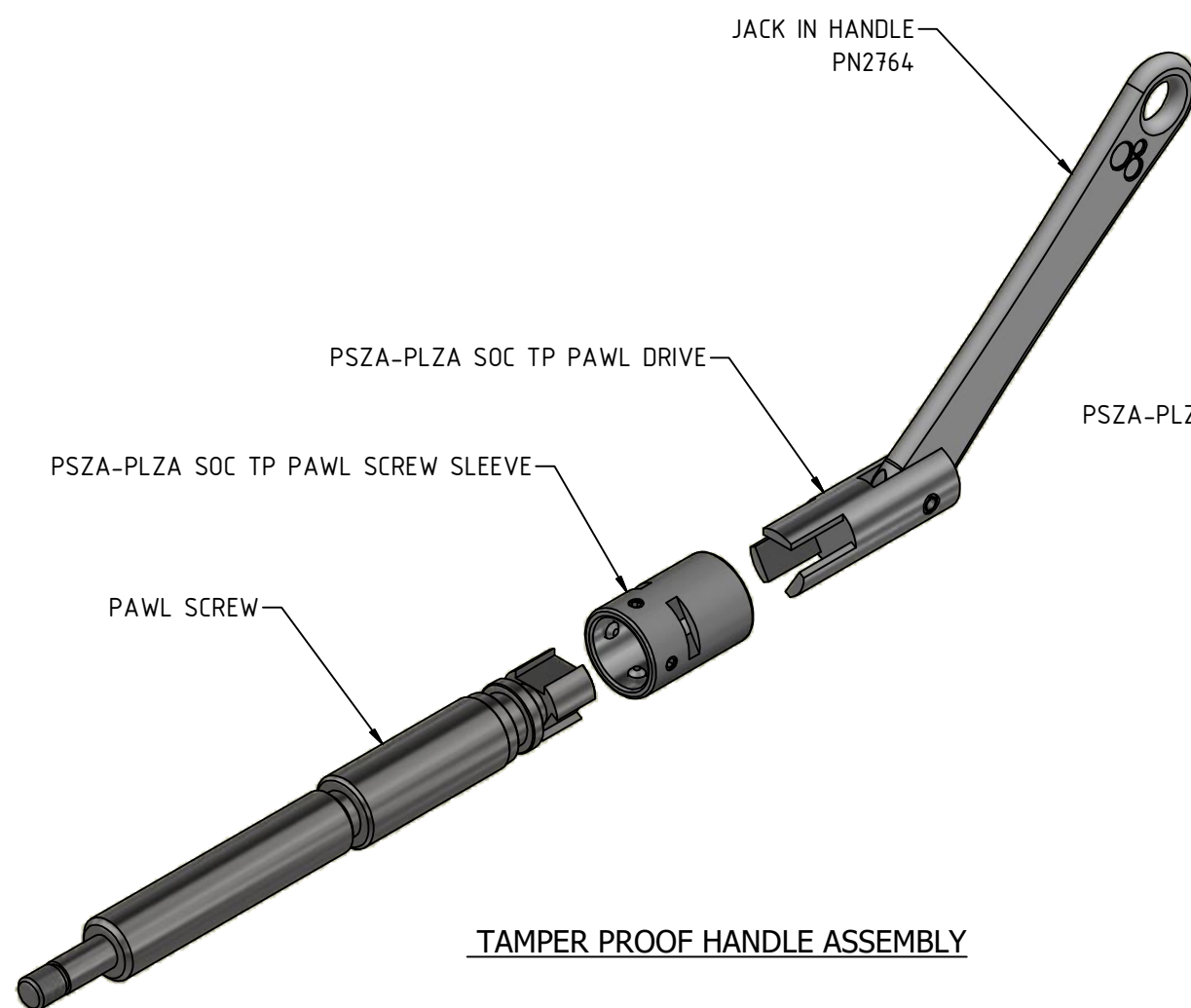
NOTE:
FOR RATCHET RELEASE
ADD SUFFIX (RR) TO ORDER CODE

FOR MODEL NUMBERS REFER TO ExARPRM300-C1311

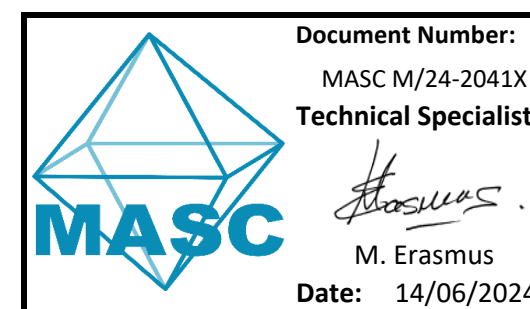


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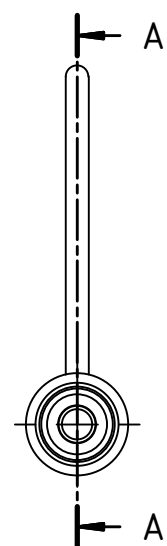
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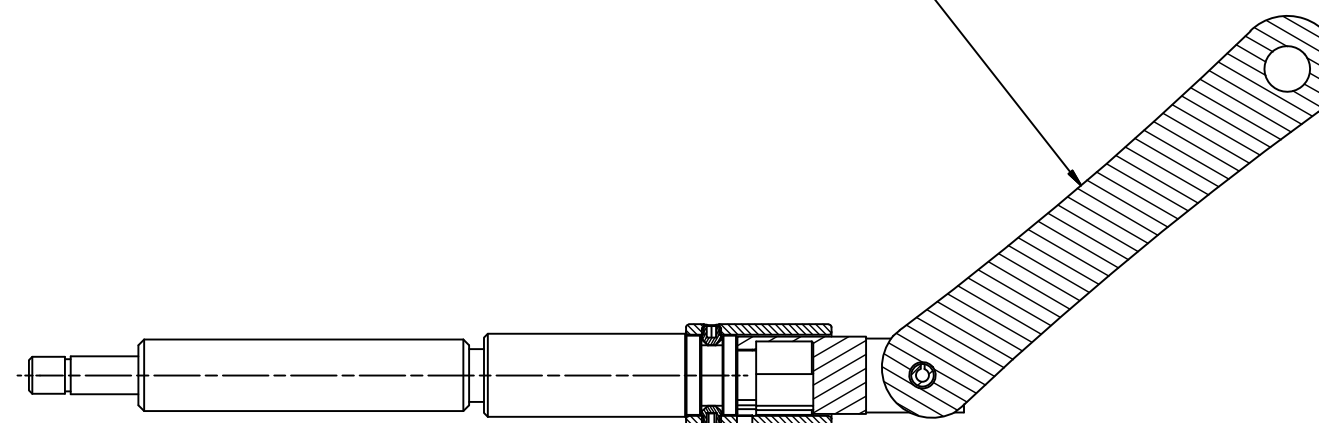
MODEL IDENTIFICATION CROSS REFERENCE TABLE	
SOCKET TYPE	
AS634TP	
AS644TP	
AS134TP	
AS144TP	



NOTE:FOR TAMPER PROOF RELEASE
ADD THE SUFFIX (TP) TO ORDER CODE



REAR VIEW



SECTION A-A

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D. MINENKO

APPROVED BY
C.TA

SIZE	A3
------	----

DRAWING NUMBER

ExARPR300M2-C1106

PRODUCT NAME
COMMON 300 RECEPTICLE
TAMPER PROOF RELEASE
CUSTOMER COPY

5

REVISION NUMBER

28/03/2023

REVISION DATE

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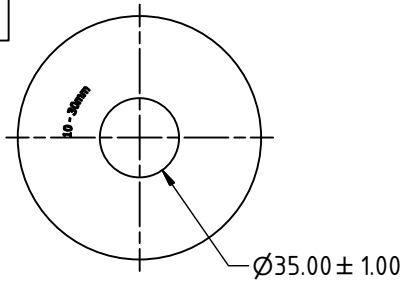
NEW RELEASE

REVISION DESCRIPTION

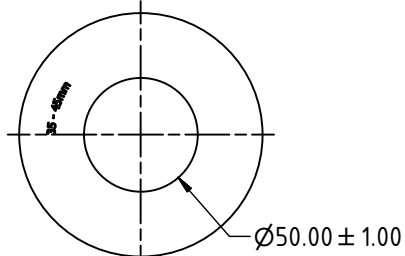


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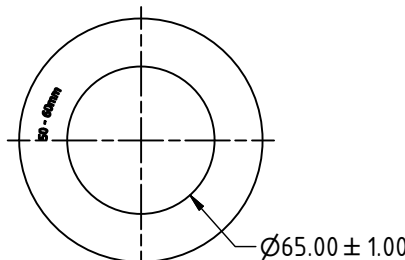
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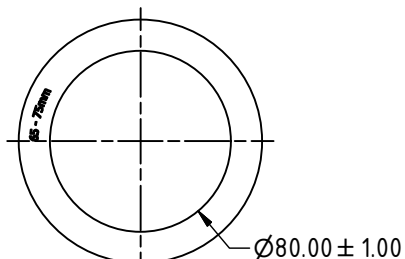
CABLE COMPRESSION WASHER



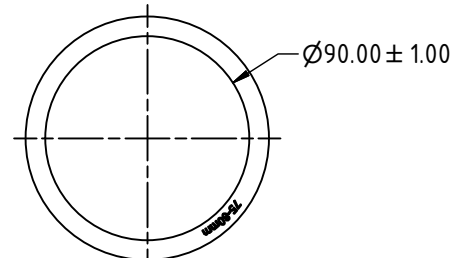
CABLE COMPRESSION WASHER



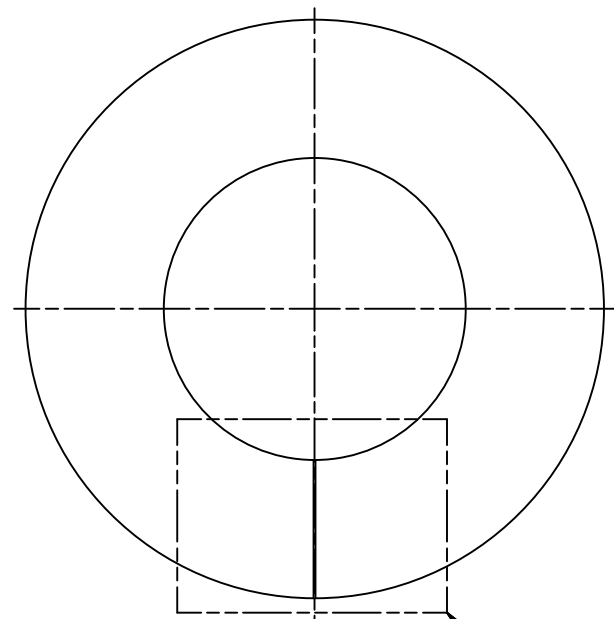
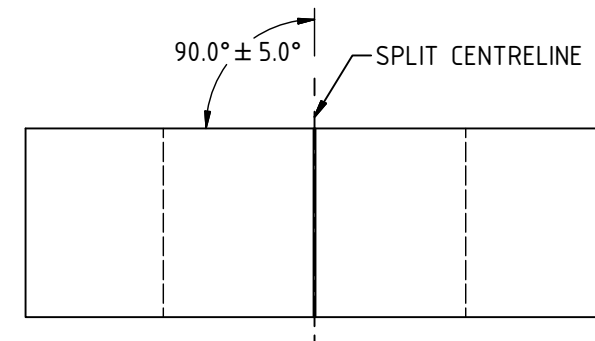
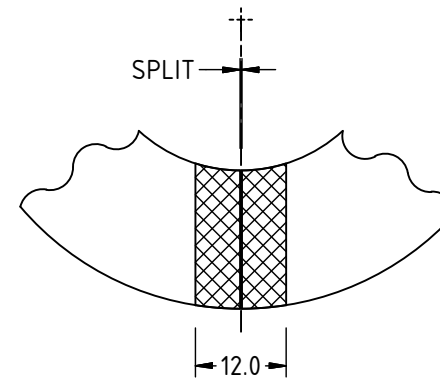
CABLE COMPRESSION WASHER



CABLE COMPRESSION WASHER

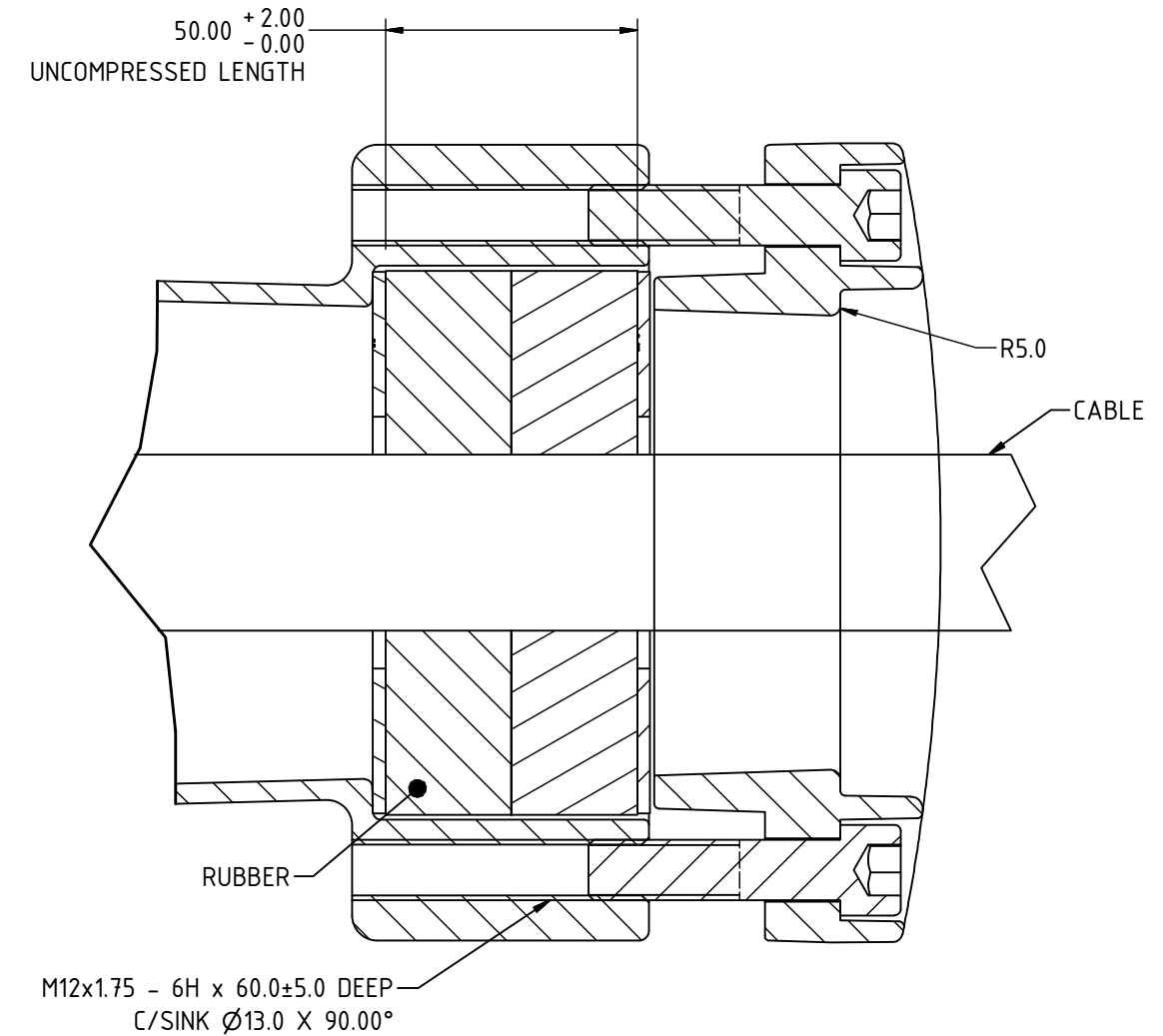


CABLE COMPRESSION WASHER

TOP VIEW
COMPRESSION GLAND RUBBERSIDE VIEW
COMPRESSION GLAND RUBBER

DETAIL 1

SPLIT IN RUBBER MUST BE CONTAINED
WITH IN THE HATCHED AREA
TYPICAL ALL COMPRESSION GLAND RUBBER SIZES



CABLE ENTRY DETAIL



Compression Gland Part Sizes		
Gland Rubber I.D. (± 1.0)	Washer I.D. (±1.0)	To Suit Cable O.D.
15	35	10 - 15
20	35	15 - 20
25	35	20 - 25
30	35	25 - 30
35	50	30 - 35
40	50	35 - 40
45	50	40 - 45
50	65	45 - 50
55	65	50 - 55
60	65	55 - 60
65	80	60 - 65
70	80	65 - 70
75	80	70 - 75
80	90	75 - 80

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D.MINENKOAPPROVED BY
C.TAYLORSIZE
A3DRAWING NUMBER
ExARPR300M2-C1304PRODUCT NAME
COMMON 300 PLUG CABLE
CLAMP ASSEMBLY
CUSTOMER COPY

6

REVISION NUMBER

10/05/2024

REVISION DATE

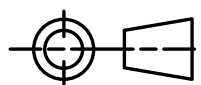
DM

REVISION BY

NOTE:
RUBBER COMPRESSION GLAND TO BE TORQUED TO 25Nm

ADDED BOLT HEAD PROTECTION

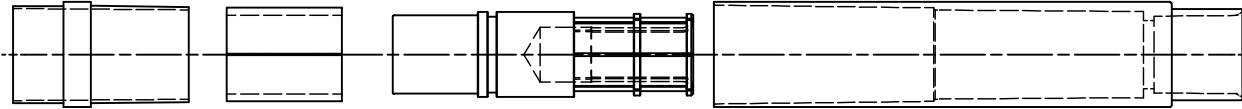
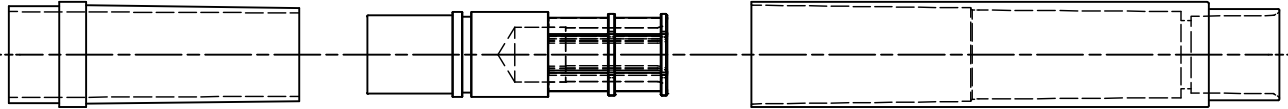
REVISION DESCRIPTION

DIMENSIONS (Metric-millimetre-mm)
UNLESS OTHERWISE SPECIFIEDX.X 0.1
X.XX 0.05ALL SURFACES TO
UNLESS OTHERWISE NOTED

THREAD CLASS TO ISO 965
COARSE THREAD PITCH TO ISO 262

16-120mm² Cable
Use 16-120 Phase Insulator Cap for:
Models: AP634, AP644, AP134, AP144

150-185mm² Cable
Use 150-185 Phase Insulator Cap and Ring for:
Models: AP634, AP644, AP134, AP144

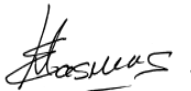


16-120mm² Cable
Use 16-120 Phase Insulator Cap for:
Models: AS634, AS644, AS134, AS144

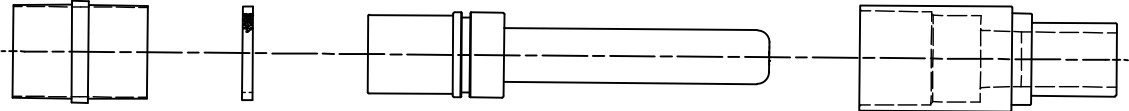
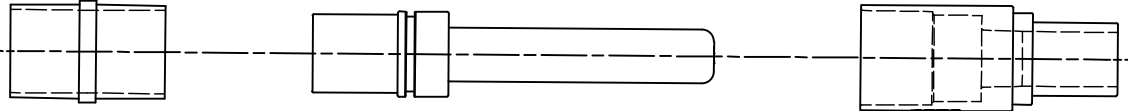
150-185mm² Cable
Use 150-185 Phase Insulator Cap and Ring for:
Models: AS634, AS644, AS134, AS144



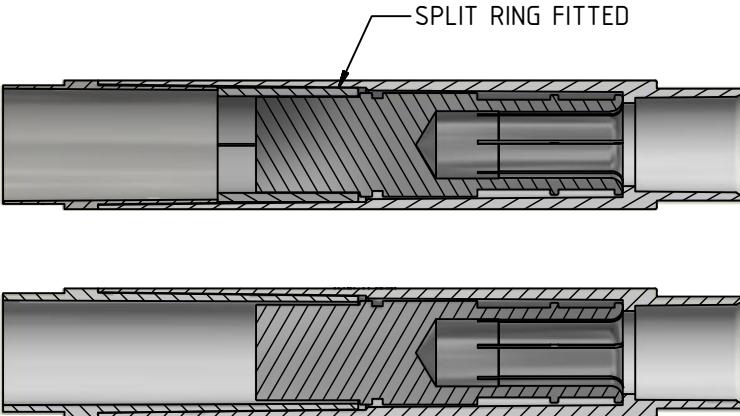
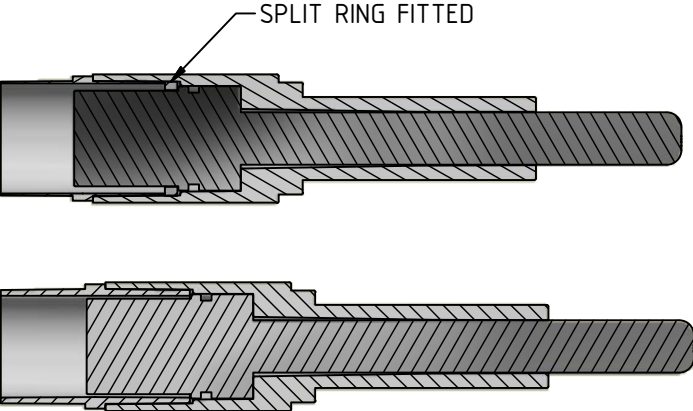
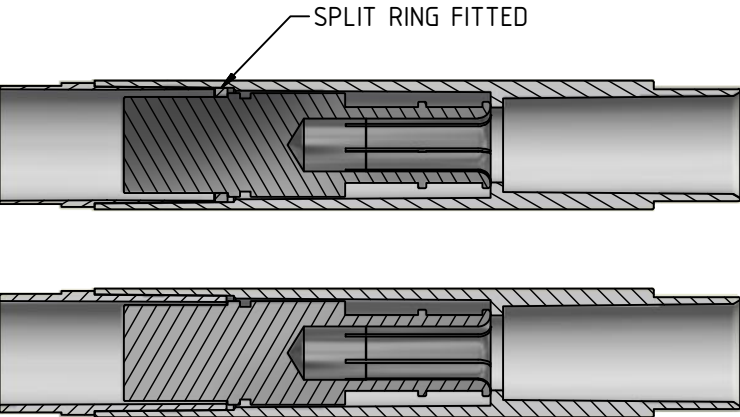
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Technical Specialist:

M. Erasmus

Date: 14/06/2024



EXPLODED VIEWS



ASSEMBLIES FOR VISUAL REFERENCE ONLY

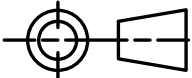
KonNx Africa (Pty) Ltd				© COPYRIGHT RESERVED				DRAWN BY D.MINENKO			
DIMENSIONS (Metric-millimetre-mm) UNLESS OTHERWISE SPECIFIED			APPROVED BY C.TAYLOR	DRAWING NUMBER ExARPR300M2-C1306	PRODUCT NAME 16-150mm ² & 185mm ² PHASE INSULATOR ASSEMBLY CUSTOMER COPY	5	30/11/2022	DM	NEW REVISION		
ALL SURFACES TO UNLESS OTHERWISE NOTED	X.X 0.1 X.XX 0.05								REVISION DESCRIPTION		

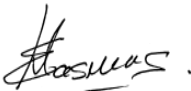
Table					
FASTENER TYPE	ISO	PN S/S (A2/A4-70 STAINLESS STEEL)	PN ZINC PLATED	PN BRASS	NOTE
M3x0.5 x 4 SHCS (MIN Class 8.8) (6g)	ISO 4762	PN1564	PN10138	N/A	TO FIX LOCATION LUG INSIDE OF PLUG
M5x0.8 x 5 GRUB SCREW (MIN Class 8.8) (6g)	ISO4026	PN10193	PN10187	N/A	TO FIX TP SLEEVE TO PAWL SCREW
M5x0.8 x 6 BHSCS (MIN Class 8.8) (6g)	ISO 7380	PN10135	PN1717	N/A	TO FIX ROTATION OF CAGE
M5x0.8 x 20 SHCS (MIN Class 8.8) (6g)	ISO 4762	PN10136	PN1756	N/A	TO FIX LOCKING PIN HOUSING TO B2B BODY
M6x1.0 x 6 GRUB SCREW (MIN Class 8.8) (6g)	ISO 4026	PN10153	PN10154	N/A	TO FIX CABLE INTO CONTACT (BLACK GRUB SCREW PN1092 CAN ASLO BE USED)
M6x1.0 x 8 BHSCS (MIN Class 8.8) (6g)	ISO 7380	PN10127	PN1565	N/A	EARTH FIXING SCREWS FOR PLUG CAGE BACK
M6x1.0 x 16 SHCS (MIN Class 8.8) (6g)	ISO 4762	PN10128	PN1570	PN1982	TO FIX SOCKET STAR RETAINING PLATE
M6x1.0 x 16 CSSHS (MIN Class 8.8) (6g)	ISO 10642	PN10129	PN1752	N/A	TO FIX RETAINING PLATE TO CAGE
M6x1.0 x 100 SHCS (MIN Class 8.8) (6g)	ISO 4762	PN10132	PN1567	N/A	TO FIX PLUG FRONT CAGE AND BACK CAGE TOGETHER
M8x1.25 x 16 SET SCREW (MIN Class 4.6) (6g)	ISO 4017	PN10121	PN1742	N/A	EARTH FIXING SCREW ON MAIN FLANGE
M8x1.25 x 16 CSSHS(MIN Class 4.6) (6g)	ISO 10642	PN10122	PN1757	N/A	TO FIX PINION RETAINING BOSS TO PINION
M8x1.25 x 35 CSSHS (MIN Class 8.8) (6g)	ISO 10642	PN10116	PN1758	N/A	TO FIX QR HANDLE TO QR RACK
M10x1.5 x 20 SET SCREW (MIN Class 4.6) (6g)	ISO 4017	PN10148	PN1412	N/A	TO FIX BASE PLATE TO B2B BODY
M10x1.5 x 25 SHCS (MIN Class 8.8) (6g)	ISO 4762	PN10146	PN4762	N/A	TO FIX B2B BODIES TOGETHER
M10x1.5 x 25 BHSCS (MIN Class 8.8) (6g)	ISO 7380	PN10147	PN1824	N/A	EARTH FIXING SCREWS FOR EARTH BRIDGE
M12x1.75 x 50 SHCS (MIN Class 8.8) (6g)	ISO 4762	PN10141	PN1592	N/A	TO FIX COMPRESSION CLAMP/SOCKET BODY FLANGE
M12x1.75 x 55 (MIN LENGTH) SET SCREW (MIN Class 4.6) (6g)	ISO 4017	PN10140	PN1307	N/A	TO FIX GLAND BRACKET TO SOCKET
M16x2.0 x 20 CSSHS (MIN Class 8.8) (6g)	ISO 10642	PN10139	PN1831	N/A	TO FIX PAWL TO QR RACK
M6 BELLEVILLE LOCK WASHER	DIN 2093A	PN1566	PN10126	N/A	EARTH FIXING SCREWS FOR PLUG CAGE BACK
M8 BELLEVILLE LOCK WASHER	DIN 2093A	PN1466	PN10113	N/A	EARTH FIXING SCREW ON MAIN FLANGE
M10 BELLEVILLE LOCK WASHER	DIN 2093A	PN1473	PN10144	N/A	EARTH FIXING SCREWS FOR EARTH BRIDGE
M10 WASHER (MIN Class 5) (140 HV,200 HV)	ISO 7089	PN10149	PN1091	N/A	TO FIX PAWL SCREW INTO SOCKET BODY
M12 WASHER (MIN Class 5) (140 HV,200HV)	ISO 7089	PN10142	PN1500	N/A	TO FIX GLAND BRACKET TO SOCKET
M10x1.5 NYLOC NUT (MIN Class 5) (6H)	ISO 7040	PN10150	PN1193	N/A	TO FIX PAWL SCREW INTO SOCKET BODY
M12x1.75 NUTS (MIN Class 5) (6H)	ISO 4032	PN10143	PN1463	N/A	TO FIX GLAND BRACKET TO SOCKET
4G x 1/4" HAMMER DRIVES	ASME B18.6.4	PN10151	PN1366	N/A	TO FIX LABEL TO BODY
6mm x 20mm ROLLED DOWEL PIN	ISO 8734	PN10194	PN10190	N/A	TO FIX HANDLE TO TP PAWL DRIVE

NOTE
OPTIONAL M12x1.75 HARDWARE MAY BE USED.
MUST HAVE A MINIMUM YIELD OF 240MPa

THREAD CLASS TO ISO 965
COARSE THREAD PITCH TO ISO 262



Document Number:
MASC M/24-2041X

Technical Specialist:

M. Erasmus

Date: 14/06/2024



ID (Model) - Ex db I Mb Type A

○

IA No:

○

CoC: IECEx

S/N:

WARNING - DO NOT SEPARATE
WHEN ENERGIZED



RATING: (Volts) (Amps)

○

IA No:

○

CoC: IECEx

REF: ID (Model) - Ex db I Mb Type A

S/N:

WARNING - DO NOT SEPARATE
WHEN ENERGIZED

GLAND BRACKET
PRODUCT DATA LABEL
AS PER TABLE 1.0

Table 1.0	
Model	Volts Range
GBPLZA	660 - 1100

PLUG AND SOCKET
PRODUCT DATA LABEL
AS PER TABLE 2.0

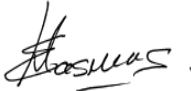
Table 2.0		
Model	Volts	Amps
AP634	660	300
AS634	660	300
AS634TP	660	300
AS634RR	660	300
QRAS634	660	300
QRAS634RR	660	300
AP644	660	425
AS644	660	425
AS644TP	660	425
AS644RR	660	425
QRAS644	660	425
QRAS644RR	660	425
AP134	1100	300
AS134	1100	300
AS134TP	1100	300
AS134RR	1100	300
QRAS134	1100	300
QRAS134RR	1100	300
AP144	1100	425
AS144	1100	425
AS144TP	1100	425
AS144RR	1100	425
QRAS144	1100	425
QRAS144RR	1100	425



Document Number:

MASC M/24-2041X

Technical Specialist:

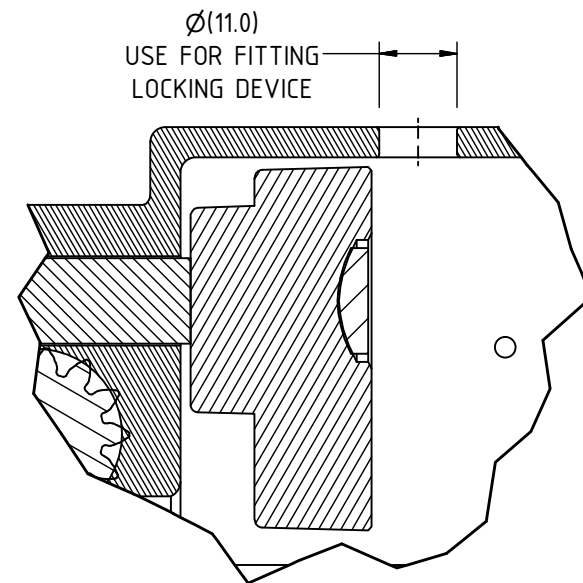


M. Erasmus

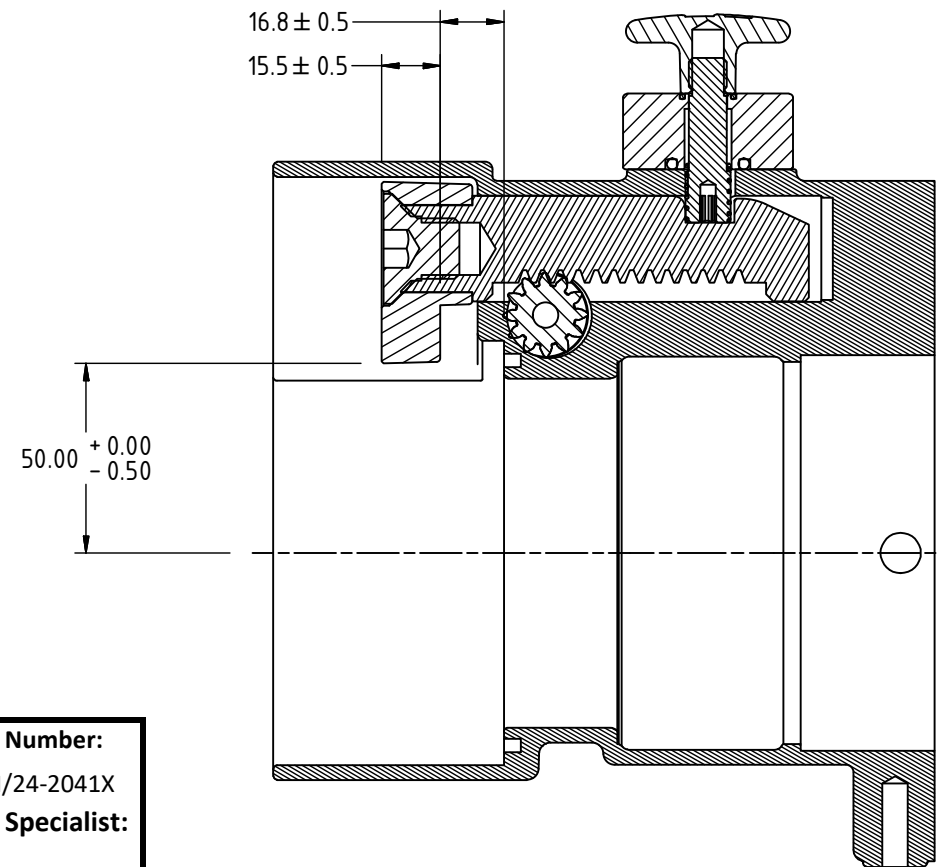
Date: 14/06/2024

Ex

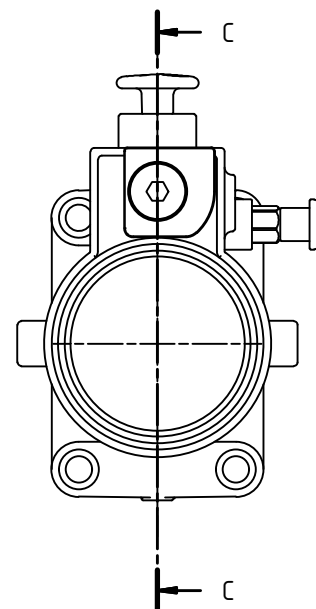
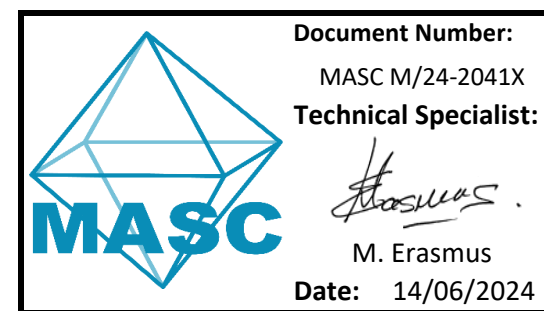
Ex



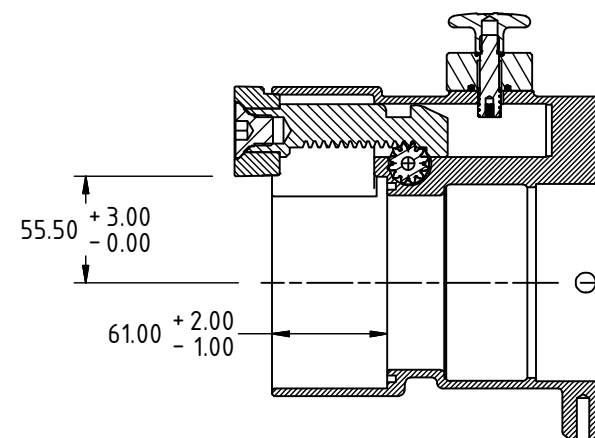
DETAIL FOR LOCKING
DEVICE LOCATION



SOCKET SECTION VIEW



PAWL WITHDRAWN



SECTION C-C



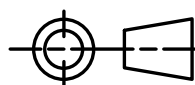
PLUG/SOCKET PRODUCT DATA LABEL
REFER TO ExARPR300M2-C1312 TABLE 2.0

KonNx Africa (Pty) Ltd

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DIMENSIONS (Metric-millimetre-mm)
UNLESS OTHERWISE SPECIFIED

X.X 0.1
X.XX 0.05



DRAWN BY
D.MINENKO
APPROVED BY
C.TAYLOR
SIZE
A3

DRAWING NUMBER
ExARPR300M2-C1312

PRODUCT NAME
COMMON 300 SOCKET BODY
QUICK RELEASE
CUSTOMER COPY

5

REVISION NUMBER

05/12/2022

REVISION DATE

DM

REVISION BY

NEW REVISION

REVISION DESCRIPTION