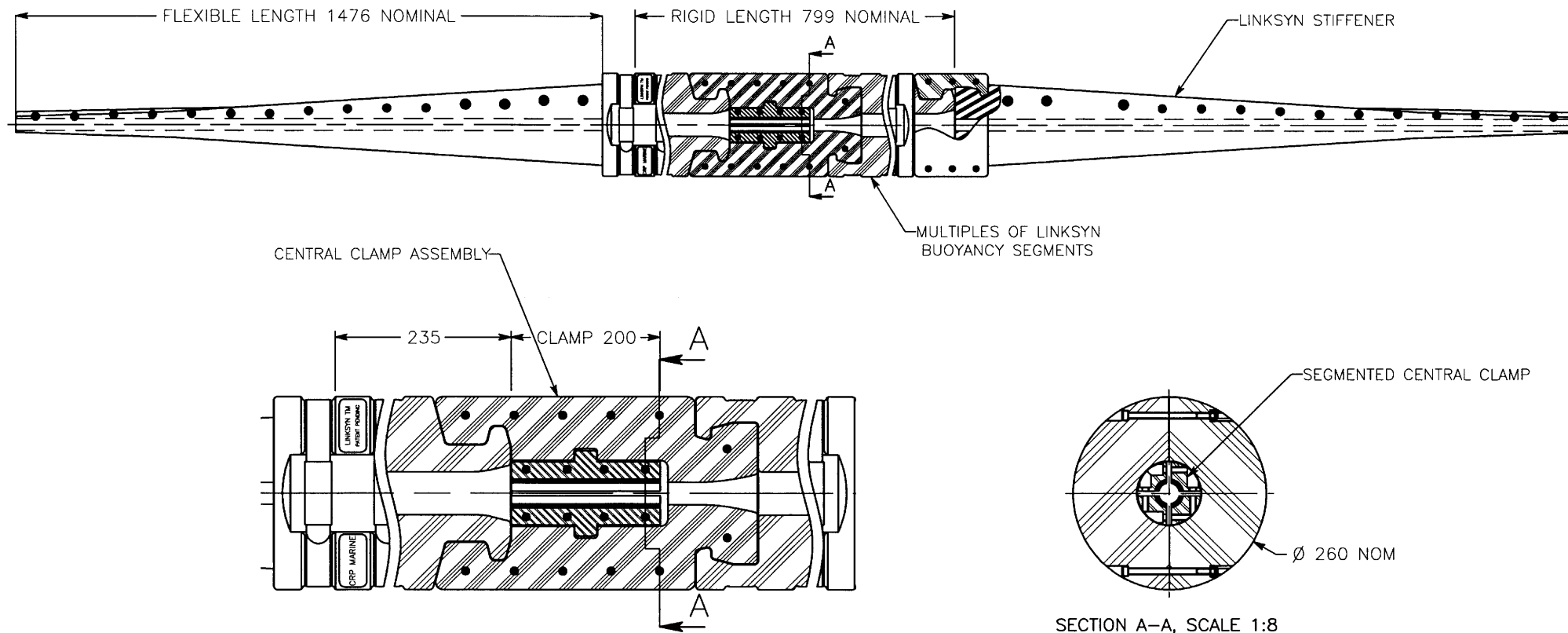


DO NOT SCALE – IF IN DOUBT ASK



ENLARGED SECTION ON CENTRAL CLAMP SPLIT LINE, SCALE 1:8

NOTE;

MATERIAL – FLEXIBLE COMPONENT : POLYETHER BASED POLYURETHANE, COLOUR ORANGE.

CENTRAL SEGMENTED CLAMP : STAINLESS STEEL WITH POLURETHANE CLAMP LINING.

OUTER CLAMP BODY AND STIFFENER LOCATION CLAMP : RIGID POLYMER, COLOUR NATURAL.

FASTENERS : SOCKET HEAD CAP SCREWS, STAINLESS STEEL A4-70 MIN.

PART SECTIONS TO SHOW SPLIT LINE FASTENERS, CLAMP AND SPLIT BSR CAPTIVE DETAILS.

APPROX WEIGHT
(NON-BUOYANCY ITEM)

IN AIR – 79 KGS
IN WATER – 15 KGS

OCP Cable Protection Ltd

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LA12 9DL, UK
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COMPANY REG. No. 2391144

A CRP HOLDINGS COMPANY

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DOCUMENT No. DES003/1 A4 ISSUE 3

REMOVE ALL BURRS BUT LEAVE CORNERS SHARP
UNLESS OTHERWISE STATED
SURFACE FINISH – N7 UNLESS OTHERWISE STATED

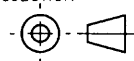
N No.	N5	N6	N7	N8	N9
MICROINCH	16	32	63	125	250
MICROMETER	0.4	0.8	1.6	3.2	6.3

GENERAL TOLERANCES
UNLESS OTHERWISE
STATED

X = ± 1.00 MM
X.X = ± 0.50 MM
X.XX = ± 0.25 MM
X* = ± 0.5*
X.X* = ± 0.25*

SCALE
1:15 AT A4 SIZE

PROJECTION



UNITS MM

ISS

DCN NO

AUTHOR

DATE

DRAWN

CHECKED

RELEASED BY

FRT
Sly
Sly

DATE 19/12/03

DATE 19-12-03

DATE 19-12-03

TITLE

GENERAL ARRANGEMENT

– RISER CABLE SYSTEM
– CLAMP & SPLIT STIFFENER
– Ø 28 NOM CABLE SIZE

DRG NO

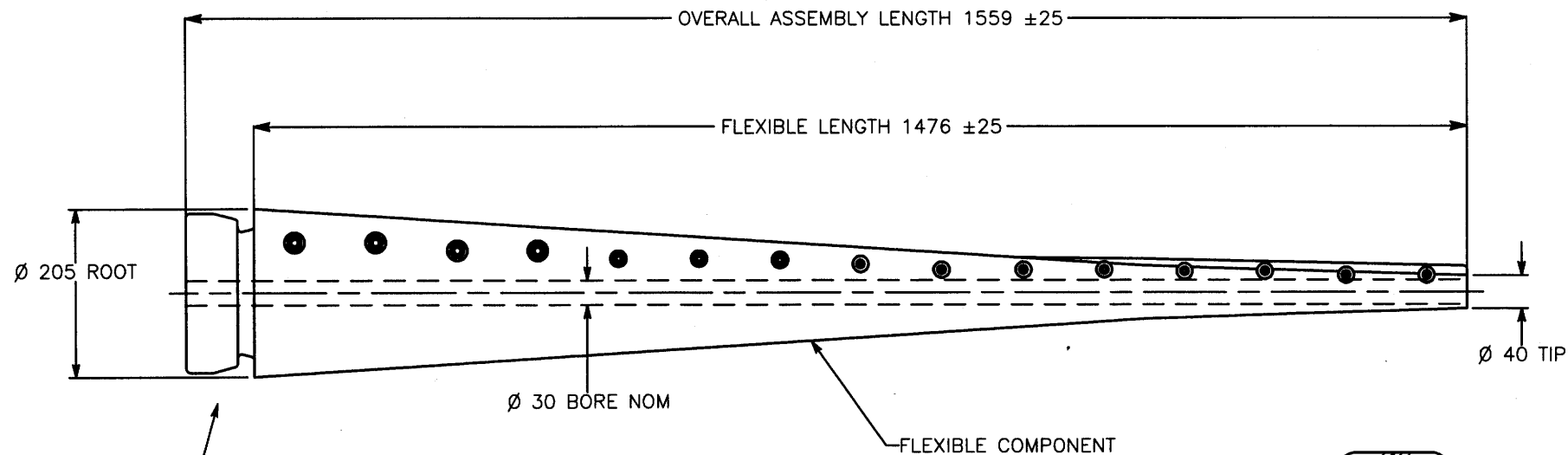
5558

ISS

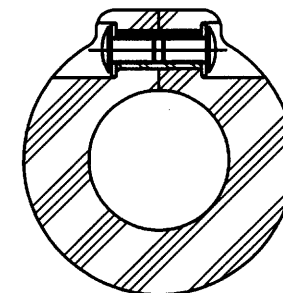
B

SHEET 1 OF 1

DO NOT SCALE - IF IN DOUBT ASK



INTERFACE DETAIL
TO SUIT LINKSYN
BEND RESTRICTOR.



ENLARGED SECTION THROUGH
TYPICAL FASTENER POSITION.
HEADS RECESSED TO PROTECT
ADJACENT TURNS OF CABLE
WHEN SPOOLED.

NOTES;

MATERIAL - FLEXIBLE COMPONENT : POLYETHER BASED POLYURETHANE, COLOUR ORANGE.

SPLIT LINE INSERT TUBES : STAINLESS STEEL, 316L.

FASTENERS : BUTTON HEAD CAP SCREWS, STAINLESS STEEL A4-50 MIN.

APPROX WEIGHT

IN AIR - 21 KGS
IN WATER - 2 KGS

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REMOVE ALL BURRS BUT LEAVE CORNERS SHARP
UNLESS OTHERWISE STATED
SURFACE FINISH - N7 UNLESS OTHERWISE STATED

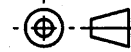
N No.	N5	N6	N7	N8	N9
MICROINCH	16	32	63	125	250
MICROMETER	0.4	0.8	1.6	3.2	6.3

GENERAL TOLERANCES
UNLESS OTHERWISE
STATED

X = ± 1.00 MM
X.X = ± 0.50 MM
X.XX = ± 0.25 MM
X' = ± 0.5"
X.X' = ± 0.25"

SCALE
1:8 AT A4 SIZE

PROJECTION



UNITS MM

ISS DCN NO AUTHOR

DRAWN *ERT*

CHECKED *ERT*

RELEASED BY *ERT*

DATE

DATE 17.12.03

DATE 17/12/03

DATE 17/12/03

TITLE

GENERAL ARRANGEMENT

- SPLIT BEND STIFFENER
- CAPTIVE MOUNT DESIGN
- Ø 28 NOM CABLE SIZE

DRG NO

5559

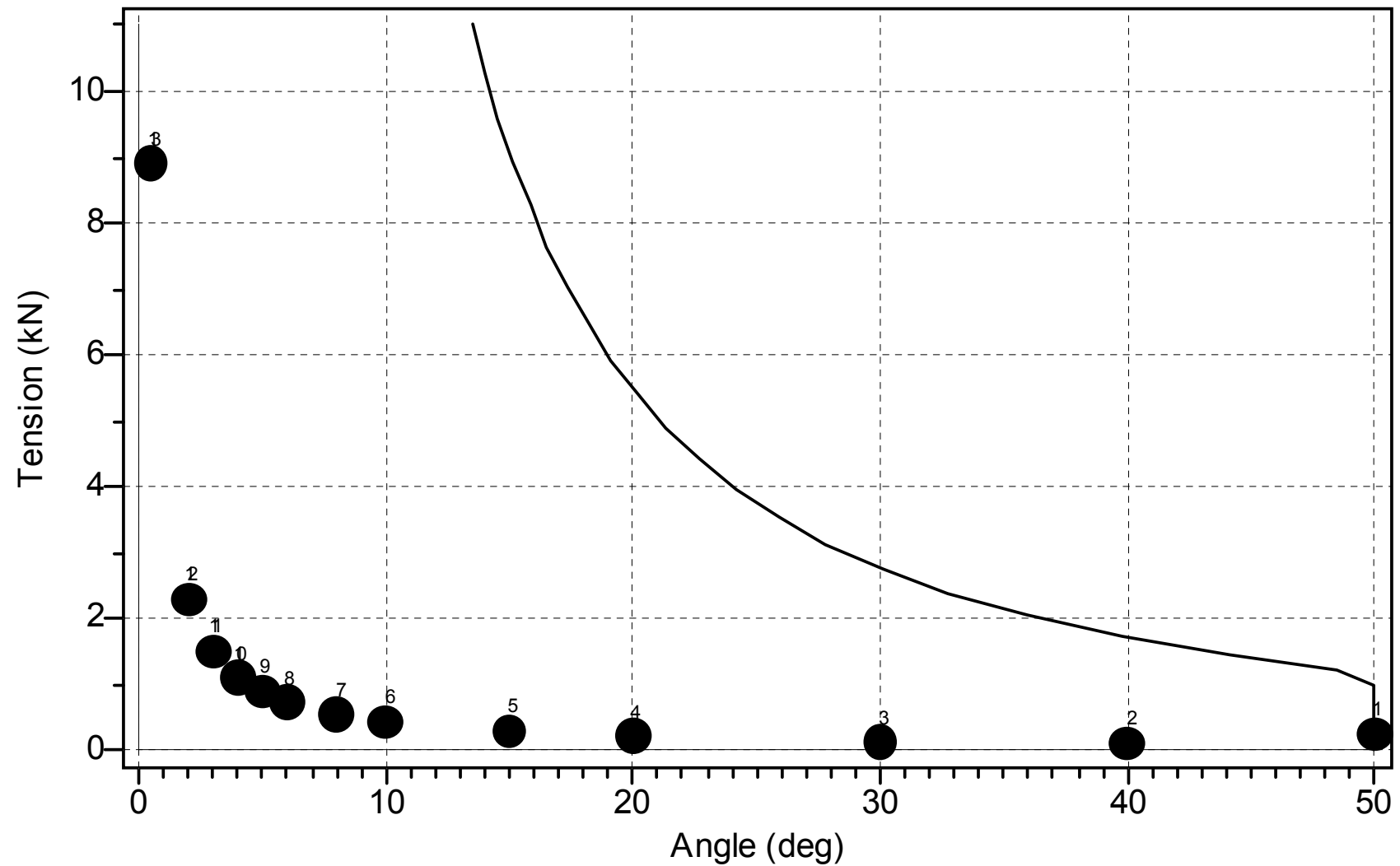
ISS

A

SHEET 1 OF 1

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OrcaBend: J2316#1 (Linksyn).obd (modified 14:44 on 19/12/03)



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PROTECTION LTD



OCP CABLE PROTECTION LTD

J2316-DESIGN SUMMARY-001

Orcabend Run No. :	J2316#1	Date :	19 th December 2003
Enquiry No. :	E2385	Customer :	MBARI – Via CRP Group
Job No. :	J2316	Project :	Moos Mooring System

Introduction

OCP have been requested to provide cable protection to work in conjunction with the CRP Linksyn system.

Reference Documents

1. "CRP_Design_Specifics", Rev 1.0 - 5 Dec 2003, emailed from Andrew Hamilton – Dated 09/12/03.
2. "11550 MBARI Schedule.xls", emailed to Andrew Hamilton – Dated 03/12/03

Properties of Flexible

Outside Diameter	28	mm	with a	N/A	mm	tolerance
Minimum Bend Radius	1,000	mm	(stored)	N/A	mm	(operational)
Stiffness	0.015 Est'	KNm ²	(min.)	0.05 Est'	KNm ²	(max.)

Duty and Environmental Conditions

Load Cases

Tension (kN)	Angle °	Tension (kN)	Angle °
1000/θ	See Chart		

Deployed in air / water (*delete as applicable*)
Both air and water.

Temperature 0° °C (min)
23° °C (max)

Design Parameters

P.U. Code OCP 009

Key Dimensions

— Root O/D	205	mm	(max.)
— Flexible Length	1476	mm	(nom.)
— Tip O/D	40	mm	(nom.)
— Bore	30	mm	(nom.)

Bolt Details

— Size	N/A
— Material	Stainless Steel A4-50 Min
— Quantity	N/A
— P.C.D	N/A Split Bend Stiffener mm