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NOTES:
1. MATERIAL: PU SKULL 65 SHORE D ± 5, PVC SKIN 65 SHORE A ± 5.
2. GENERAL TOLERANCES FOR MOLDED PART ± 2, EXCEPT FOR HOLE CENTERS.
Typical Accel Mount and Screws Ref.
See 033-0001 Instrumentation Sheet

SECTION A-A

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ISO VIEW

4X Ø7.90 THRU
2X 17.50

4X 0.50 X 45° CHAMFER
BOTH SIDES
9/16-18 UNF - 2B THRU

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1. 020-2205 POLYETHYLENE CORD, NECK CABLE
2. 020-2206 M4 X 6.7 X 6.0 LG. SCHCS
3. 020-2208 PLATE, NECK CABLE CLAMP
4. 020-2209 NUT, NECK CABLE
5. 020-2210 M4 X 12 LG. DOWEL PIN
6. 020-2211 BOLT, NECK CABLE
7. 020-2212 DOWEL PIN M4, MODIFIED
8. 020-2213 PLATE, NECK CABLE
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NOTES:
1. MOLD WITH NATURAL RUBBER HARDNESS MAY VARY ACCORDING TO REQUIRED CERTIFICATION PERFORMANCE
2. UNLESS OTHERWISE STATED TOLERANCES ±0.5

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NOTES
1. UNLESS OTHERWISE STATED DIMENSIONS ARE SYMMETRICAL ABOUT CL
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NOTES:
1. MATERIAL: BLACK NEOPRENE, 40-60 DUROMETER.
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FOR 020-3311 SEE Q3 UN DRAWING PACKAGE

1. MOLDED FROM NATURAL RUBBER 75±5 IRHD.
3X DRILL AND TAP THRU FOR M5x0.8 WIRE INSERT EQUISPACED ON BOLT CIRCLE INSTALL M5 WIRE INSERT FROM R1 SIDE

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SEE Q3 UN DRAWING PACKAGE FOR 020-3321

NOTES:
1. MOLDED FROM NATURAL RUBBER 75 ± 5 IRHD.

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SCALE 1:2

SECTION A-A

NOTES:
1. GENERAL TOLERANCE FOR MOLDED PART ± 1, UNLESS OTHERWISE STATED.

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NOTES:
1. RIB CAGE SKIN TO BE BONDED TO RIB CAGE MOLDING.
2. GENERAL TOLERANCE ± 0.02, UNLESS OTHERWISE NOTED.

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NOTES:

1. MATERIAL: PVC 45 SHORE A ± 5
2. THICKNESS 6mm
3. PART IS SYMMETRICAL ABOUT CL.

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NOTES
1. GENERAL TOLERANCE ± 1

FOR INSERT DRAWING SEE Q3 UN DRAWING PACKAGE

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PARTS LIST

CLAVICLE RETAINER

POLYURETHANE - polyspec 050420

REVISED 03/11/2014

D A

SECTION A-A

A

R28.0

(Ø15)

55

30

14.6

22.5
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NOTES:
1. DIMENSIONS SYMMETRICAL ABOUT CL UNLESS OTHERWISE STATED
2. INSTALL WIRE INSERT AFTER ANODIZE.
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NOTES:
1. MATERIAL: PU FOAM FILLED PVC SKIN 45 ± 1 SHORE A.
2. GENERAL TOLERANCE ± 2.
NOTE:

1) ITEM 3, SENSOR SLEEVE, IS NOT TO BE USED IN COMBINATION WITH ITEM 2, SENSOR REPLACEMENT, BUT IS INTENDED TO BE USED IN COMBINATION WITH APTS SENSOR/BLADDER (NOT SHOWN, PURCHASED SEPARATELY). ITEM 2 IS A REPLACEMENT FOR APTS SENSOR AND SLEEVE COMBINATION AND USED IN CERTIFICATION.

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NOTES:

1. MATERIAL: LYCRA
2. ALL FABRIC EDGES TO BE INSIDE FINISHED SLEEVE. SHINY SIDE OF FABRIC TO FACE OUT.
3. PROPERTIES OF DRAWSTRING IS AT DISCRETION OF VENDOR. MIN. LENGTH OF DRAWSTRING 250 MM.
4. STITCH ITEM 1 TO FABRIC ALONG BOTH EDGES OF ITEM 1, TO THE CENTER BOTTOM OF SLEEVE, AS SHOWN.

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<td>VELCRO, LOOP, 1.0&quot; W X 1.25&quot; L</td>
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Parts List
Notes:

1. Material: Foam
2. Weight: 0.084 kg ±0.02 kg (Provisional).
3. Remove all mold flashing.
4. Serialize at location shown.

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NOTES:
1. MATERIAL: PVC SKIN WITH POLYURETHANE FOAM FILL.
   COLOR: DULL BROWN
   DUROMETER: 45 ± 1 SHORE "A"
2. WEIGHT: 2500g (PROVISIONAL).
3. THIS PART DIFFERS FROM STANDARD PRODUCTION PART DUE TO
   2X Ø45 HOLES WITH M8 SLOTS.
   4X 0.5MM TAPS.
   LARGE HOLES MADE AT 177° TO CENTER.
4. ALL MOLD DIMENSION TOLERANCE ± 0.2
5. BORING 1X Ø1.2 TO CENTER BOTTOM OF HOLES, AS SHOWN.

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NOTES:
1. PRE-LOAD SPINE MOLDINGS BY 1/2 TURN OF NUT.
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SCALE 1:1

NOTES:
1. MATERIAL: MOULDED RUBBER, HARDNESS MAY VARY ACCORDING TO PERFORMANCE.
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NOTES:
1. ITEMS 1 & 2 TO BE SWAGED WITH HEX DIE.
2. MACHINE HEX CORNERS AFTER SWAGING Ø6.95 - 6.8 ACCROSS CORNERS.
TO SUIT ASSEMBLY 033-6100

SCALE 3:2

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NOTES:

1. MATERIAL: \ø4mm, 7x19 WIRE ROPE, 316 STAINLESS STEEL.
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NOTES:
1. MATERIAL POLYURETHANE 35 SHORE A ± 5
2. REMOVE ALL FLASHING.
3. MOLDED GEOMETRY ± 2 UNLESS OTHERWISE STATED

SECTION A-A
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NOTES:
1. MATERIAL: POLYURETHANE
   DUROMETER: 25 ±5 SHORE A
   COLOR: NATURAL
2. REMOVE ALL MOLD FLASHING
3. NO SPLITS OR DEFECTS ARE ALLOWED IN THE MOLDING
NOTES:
1. MATERIAL: 5mm THICK DOUBLE LINED POLYURETHANE FOAM. COLOR: YELLOW, LINING: BLACK.
2. PANELS TO BE STITCHED TOGETHER WITH 15mm BLACK TAPE.
3. ALL LETTERING TO BE BLACK.
4. FOR ACTUAL DIMENSIONS, SEE MASTER TEMPLATES SHEET 2

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SECTION A-A

SEE Q3 UN DRAWING PACKAGE FOR 020- PART NUMBERS

<table>
<thead>
<tr>
<th>ITEM</th>
<th>QTY</th>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>033-9101</td>
<td>UPPER LEG ASSEMBLY, LEFT</td>
</tr>
<tr>
<td>2</td>
<td>1</td>
<td>033-9101un</td>
<td>LOWER LEG ASSEMBLY, LEFT</td>
</tr>
<tr>
<td>3</td>
<td>1</td>
<td>020-9901</td>
<td>STOP SCREW</td>
</tr>
<tr>
<td>4</td>
<td>1</td>
<td>033-9907un</td>
<td>SHOULDER BOLT MODIFIED</td>
</tr>
</tbody>
</table>

SCALE 1:2
NOTES:
1. MATERIAL: 052 PVC SHEET A X 6 FILLED WITH POLYURETHANE ELASTOMER
2. FOLD LEAD BALLAST IN HALF AND IN HALF AGAIN THEN THEN BEND TO 30° ANGLE (SEE FIG. 2), FIT TO BONE 30° WEIGHT SNUG AND SECURE WITH USE DOWELS AND CABLE TIES TO SECURE BALLAST.
3. DIMENSIONS 6 X 2 UNLESS OTHERWISE STATED

FIND SHOWN AS PHANTOM LINES IN THESE TWO VIEWS
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NOTES:
1. MATERIAL: PVC SKIN 45 SHORE A ± 5, FILLED WITH POLYURETHANE ELASTOMER.
2. TOLERANCE ± 2 UNLESS OTHERWISE STATED.
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NOTES:
1. GENERAL TOLERANCE FOR MOLDED PART ±1, UNLESS OTHERWISE STATED.
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SCALE 1:1

NOTES:
1. MATERIAL: SKIN PVC 45 SHORE A & S FILLED WITH POLYURETHANE ELASTOMER
2. FOLD LEAD BALLAST IN HALF AND IN HALF AGAIN THEN BEND TO 180 DEGREES (SEE FIG. 1). FIX TO BONE 0.5 WEIGHT USE EPXY AND CABLE TIES TO SECURE BALLAST
3. DIMENSIONS & 2 UNLESS OTHERWISE STATED

FIG. 1

FLESH SHOWN IN PHANTOM LINE

SEE Q1 UN DRAWING PACKAGE FOR E10 - PART NUMBERS
NOTES:

1. MATERIAL: PVC SKIN 45 SHORE A & S, BONE TO BONE AND FILLED WITH POLYURETHANE ELASTICER.

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SEE Q3 UN DRAWING PACKAGE FOR 020- PART NUMBERS

<table>
<thead>
<tr>
<th>ITEM</th>
<th>QTY</th>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>1</td>
<td>020-9901</td>
<td>STOP SCREW</td>
</tr>
<tr>
<td>3</td>
<td>1</td>
<td>020-9901</td>
<td>SET SCREW SPRING PLUNKER, M8 x 16 LG WITH 5 DIA BALL AND 15 N MIN SPRING FORCE</td>
</tr>
<tr>
<td>1</td>
<td>033-9300un</td>
<td>COVER ARM ASSEMBLY, LEFT</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>033-9301un</td>
<td>UPPER ARM ASSEMBLY, LEFT</td>
<td></td>
</tr>
</tbody>
</table>
NOTES:

1. MATERIAL: SKIN: PVC 45 SHORE A ± 5 WITH POLYURETHANE ELASTOMER FILL.

2. TOLERANCES ± 2 UNLESS STATED OTHERWISE

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NOTES:
1. GENERAL TOLERANCE FOR MOLDED PART ± 1, UNLESS OTHERWISE STATED.
SCALE 1:1

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NOTES:
1. MATERIAL POLYURETHANE, HARDNESS 75 ±5 SHORE D
2. GENERAL TOLERANCE FOR MOLDED PART ± 1, UNLESS OTHERWISE NOTED.
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<th>QTY</th>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>020-9981</td>
<td>STOP SCREW</td>
</tr>
<tr>
<td>1</td>
<td>1</td>
<td>033-9400un</td>
<td>LOWER ARM ASSEMBLY, RIGHT</td>
</tr>
<tr>
<td>1</td>
<td>1</td>
<td>033-9401un</td>
<td>UPPER ARM ASSEMBLY, RIGHT</td>
</tr>
</tbody>
</table>

SCALE 1 : 1
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NOTES:
1. MATERIAL: PVC SKIN 4S SHORE A ± 5 WITH POLYURETHANE ELASTOMER FILL
2. TOLERANCES ± 2 UNLESS OTHERWISE STATED
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NOTES:
1. GENERAL MOLDED TOLERANCES ± 1 UNLESS OTHERWISE STATED
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NOTES:
1. MATERIAL: POLYURETHANE, HARDNESS 75 ± 5 SHORE D
2. GENERAL TOLERANCE FOR MOLDED PART ± 1, UNLESS OTHERWISE NOTED.
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NOTES:
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NOTES:
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NOTES:
1. MADE FROM STANDARD M6 x 35 LONG SOCKET HEAD SHOULDER BOLT MODIFIED AS SHOWN.
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NOTES:
1. MATERIAL: CIBA TOOL OR SIMILAR MODEL BOARD, MDF, NYLON, OR DELRIN.
2. IF MANUFACTURED IN TWO PIECES, PIECES MUST BE SCREWED TOGETHER.
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NOTES:
1. ITEM 2 TO BE PRESSED INTO ITEM 1 AS SHOWN.
2. MASS OF ITEMS 1-11 TO BE 5293g ± 100g. NOT TO INCLUDE ITEMS NOT SHOWN.
3. RELEASE WIRE IS NOT SHOWN BUT MUST BE FITTED.
   SEE DRAWING TE-033-9927 FOR WIRE ARRANGEMENT.
   CRIMP LOOPS ON ASSEMBLY TO PROBE WITH EYE BOLTS FITTED.
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NOTES:
1. WELD MATING SURFACES AS NOTED
2. SAND BLAST ALL SURFACES
3. WELDING DIMENSION TOLERANCE ±0.5mm
4. MASS TO BE 4.185±0.044kg.
5. DIMENSION SYMMETRIC ABOUT ±, UNLESS OTHERWISE NOTED.
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NOTES:
1. MATERIAL 6060-T6 ALUMINUM OR EQUIV.
2. MASS TO BE 99g ± 2g.
3. DIMENSIONS SYMMETRIC ABOUT \( t \), UNLESS OTHERWISE NOTED.
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NOTES:
1. REMOVE ALL BURRS AND BREAK SHARP EDGES.
2. MASS TO BE 372± 5g.
3. ADJUST MASS BY ALTERING Ø10.00 HOLE DEPTH.
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party for damages that is known to have copied or duplicated its drawings or
hardware for design or manufacturing purposes.

SCALE 1.000

SECTION A-A

NOTES:
1. MASS TO BE 370±5g.
2. DIMENSIONS SYMMETRIC ABOUT a, UNLESS OTHERWISE NOTED.
NOTES:

1. MASS TO BE 11.4g ± 2g.

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ON ASSEMBLY TO EYE BOLTS ON PROBE  
CRIMP COPPER, ZINC OR NICKEL  
PLATED SLEEVES OR SIMILAR AT 60 LOOP  
LENGTHS, 3 PLACES

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1. APPROX. MASS 30g.