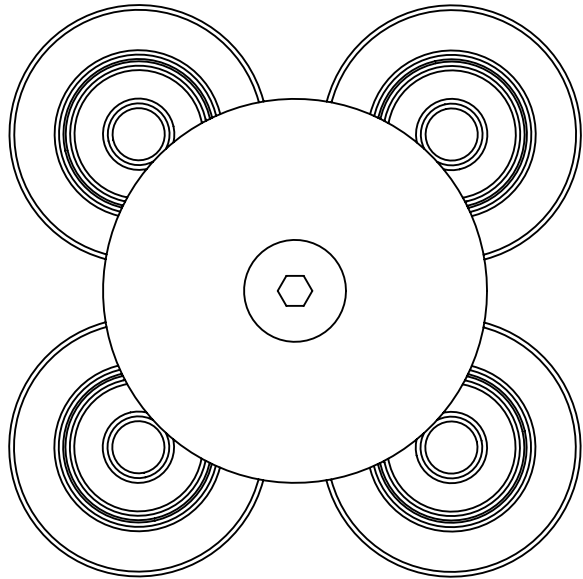


REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE		



Battery Wiring:

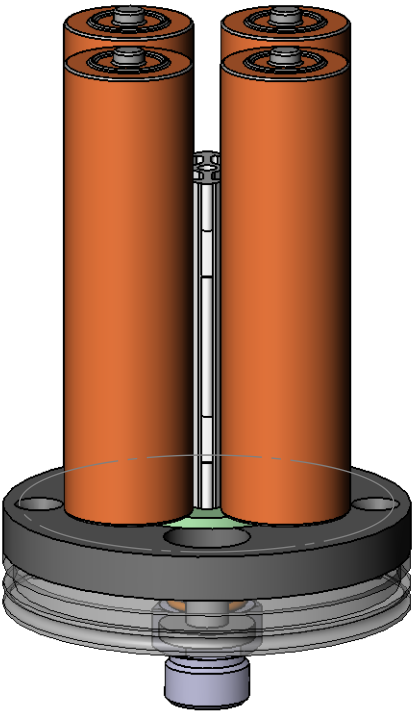
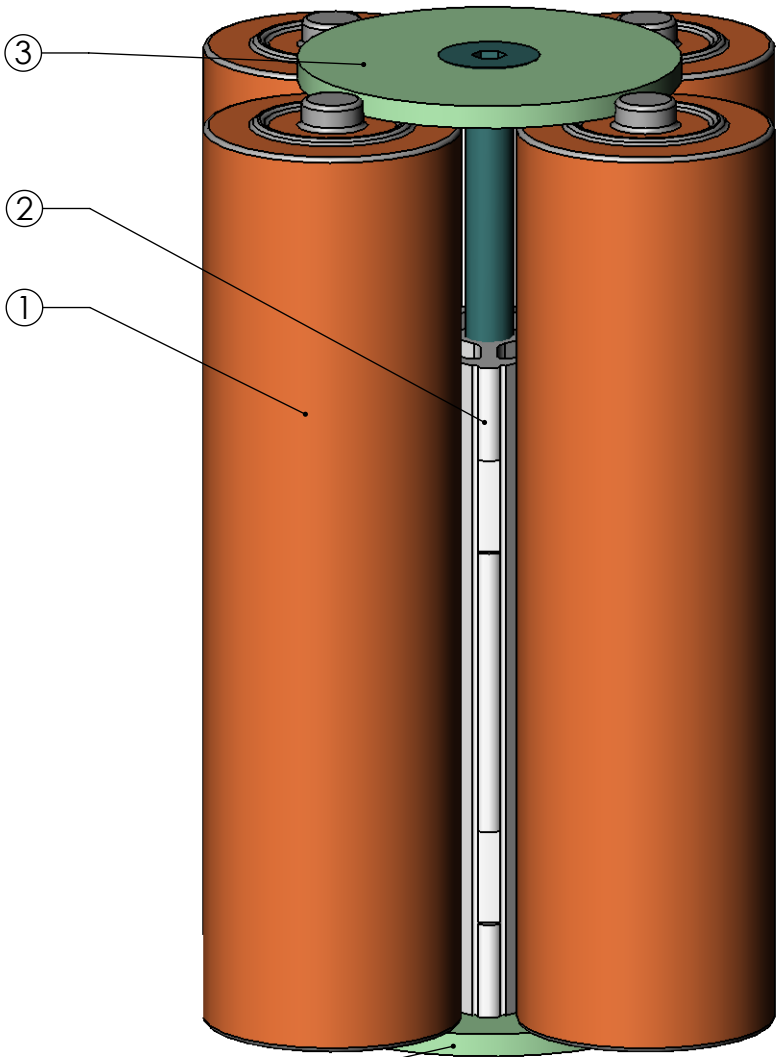
- One battery:
Separate leads, 22g, 12"
+ Orange
- Brown
- Three batteries:
Wired in series, leads 22g, 12"
+ Red
- Black

Battery Assembly:

- Top and bottom carboard insulators can be used if heatshrink doesn't sufficiently protect contacts.
- Mounting post to be flush with bottom of pack
- Sturdy heat shrink
- Leads to come out of top

- NOTE:
- Large square battery mount retains pack from rotating.
 - Fiberglass washers retain pack from sliding.
 - Hot glue can be used to attach cells to mount.

PARTS 2, 3 and 4 will be supplied.



Installation: Battery pack will be mounted with a 1/4"-20 threaded stud onto Aluminum endcap.

Assembly A1
(shown without insulators, wiring and heatshrink)

4			Retaining Screw	1/4-20 x 1.75" Flathead Screw (McMaster 91711A548)
3			Insulator	Fiberglass washer (McMaster PN 90800A350)
2	1@		Battery Mount	TO BE SUPPLIED (1" square)
1	4@		DD cell	Tadarin DD cell
A1			XP Battery pack	4 @ Tadarin DD cells
Item No.	Qty	Part No.	Description	Material Specification

Bill of Materials

Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS		DATE	Monterey Bay Aquarium Research Institute			
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN	Hans Jannasch	4/17/14	MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700			
Shop Foreman		1. DIMENSIONS ARE IN INCHES				ENGINEER						
Engineer		2. DIMENSION LIMITS HELD AFTER PLATING.				CHECKED			XP Battery Pack (4-cell)			
NEXT ASSY Description	NEXT ASSY Number	3. REMOVE BURRS AND SHARP EDGES .015 MAX.				PROJECT NO.	901217					
		4. MACHINED FILLET RADII .0150-.030.				PROJECT	Chemical Sensors		SIZE B DWG. NO. 277jahaXPbatteryPack4 REV.			
		5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005										
		6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.							SCALE 1:3 CAD FILE: Tornado/chem/SWfiles SHEET 1 OF 1			
Application		DO NOT SCALE DRAWING				WEIGHT						

Mounting post to be flush with bottom of pack