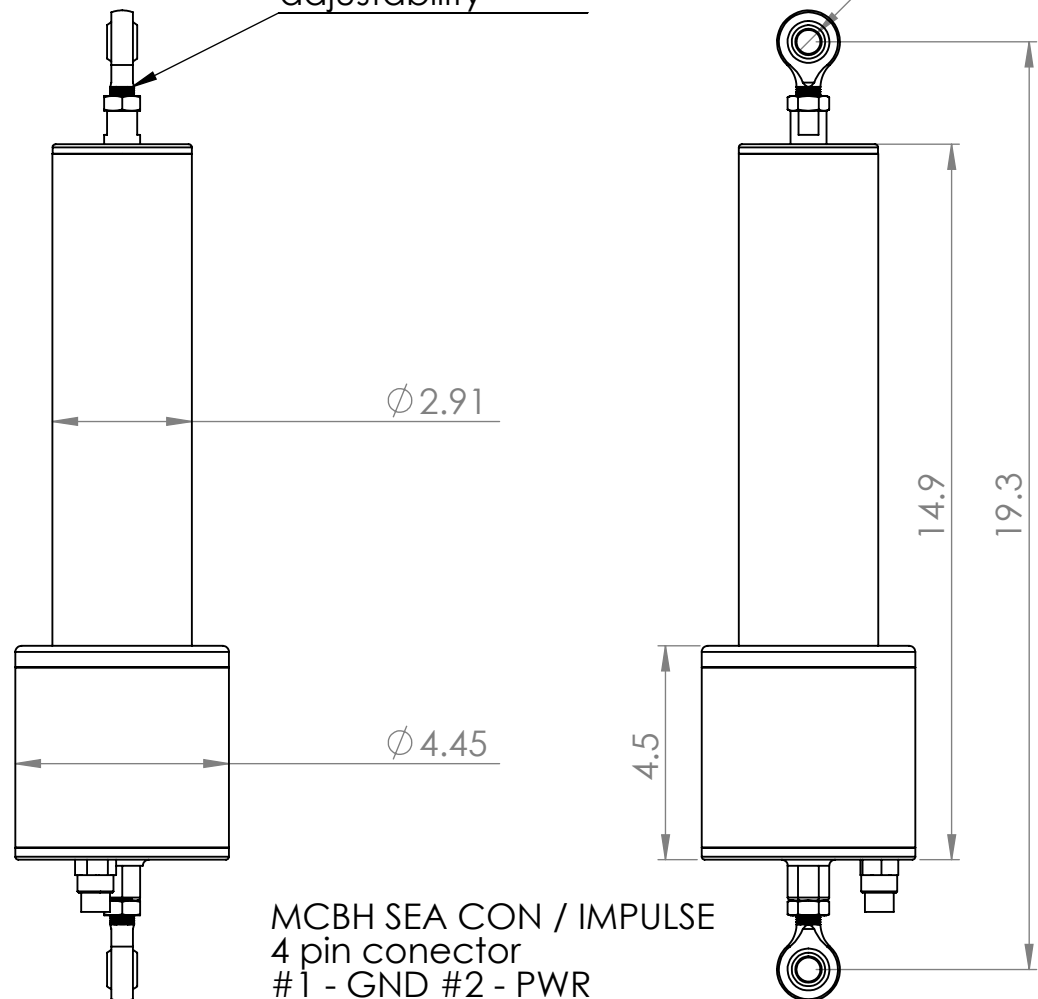
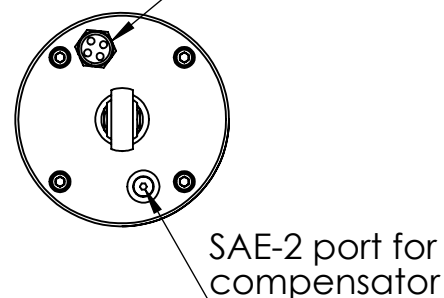


SAE-2 port for compensator

1/2" rod ends give 1" of static length adjustability

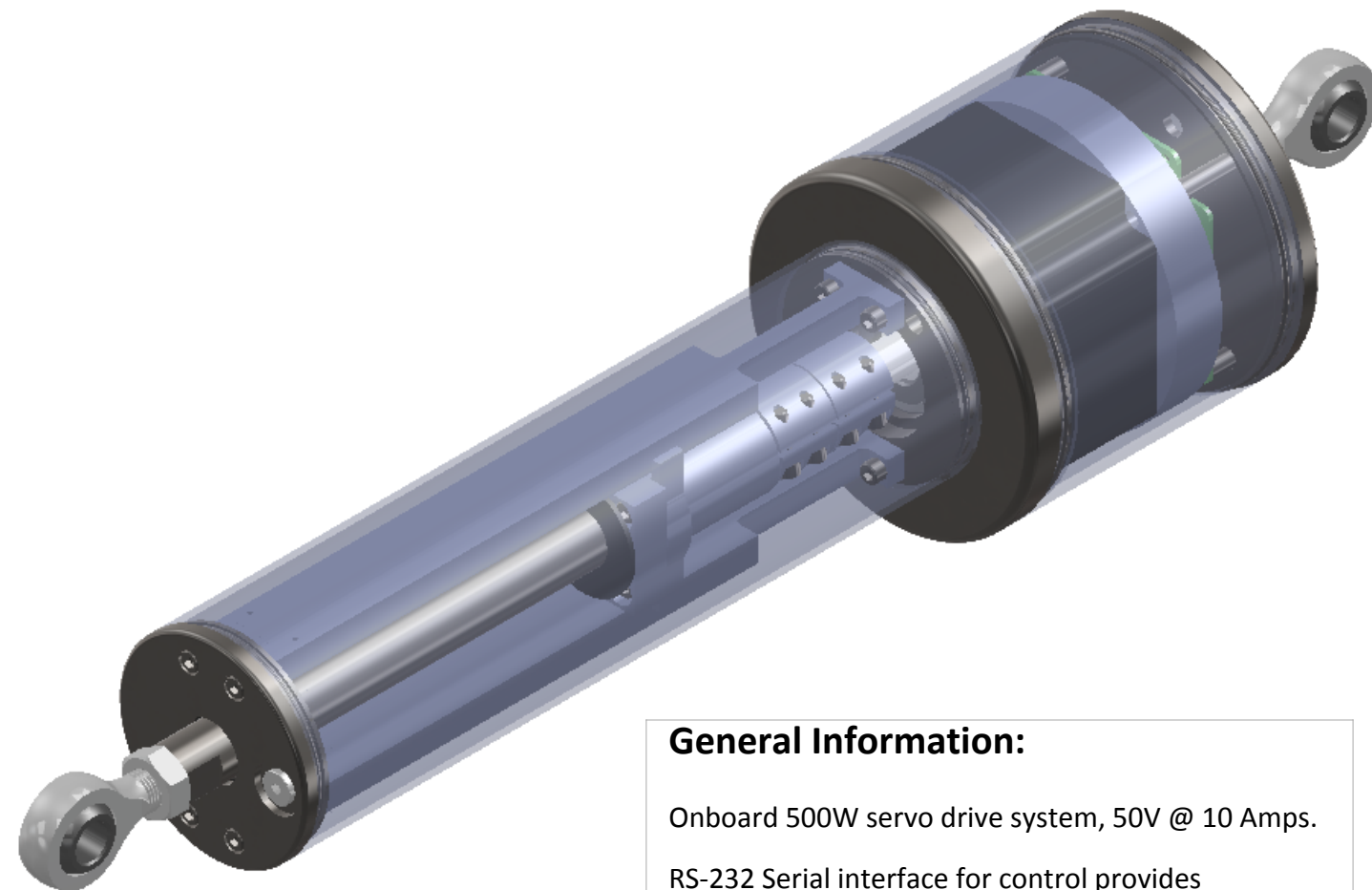


MCBH SEA CON / IMPULSE
4 pin conector
#1 - GND #2 - PWR
#3 - TX #4 - RX



SAE-2 port for compensator

Options:
Pass through serial port:
 Allows two or more actuators to be controlled from a single communications channel.
Communications Isolation:
 560V nominal, 2500V for 1 minute galvanically isolated communications ports.
Onboard compensator:
 adds 3.5" to length, see page 2



General Information:

Onboard 500W servo drive system, 50V @ 10 Amps.

RS-232 Serial interface for control provides commands for setting position, feed rate and force.

Packeted data system with checksums for error detection

Linear potentiometer provides accurate feedback of absolute position.


Position control to within +/- .025

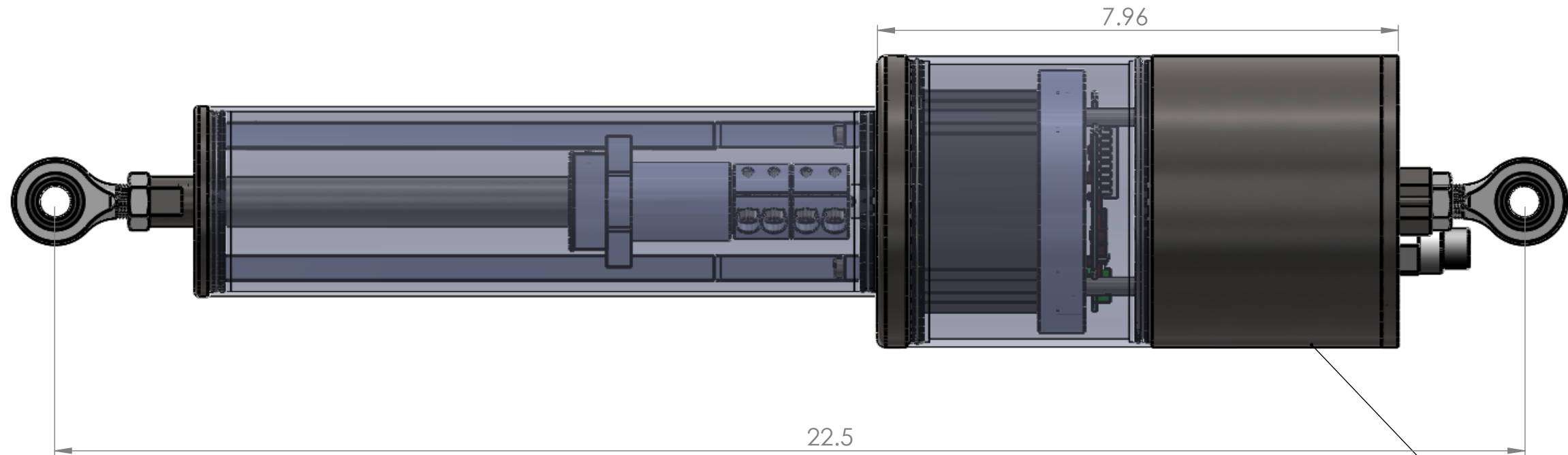
Force and Speed at 24V / 10 Amps:

2,500 pounds from 0"-0.5" per second

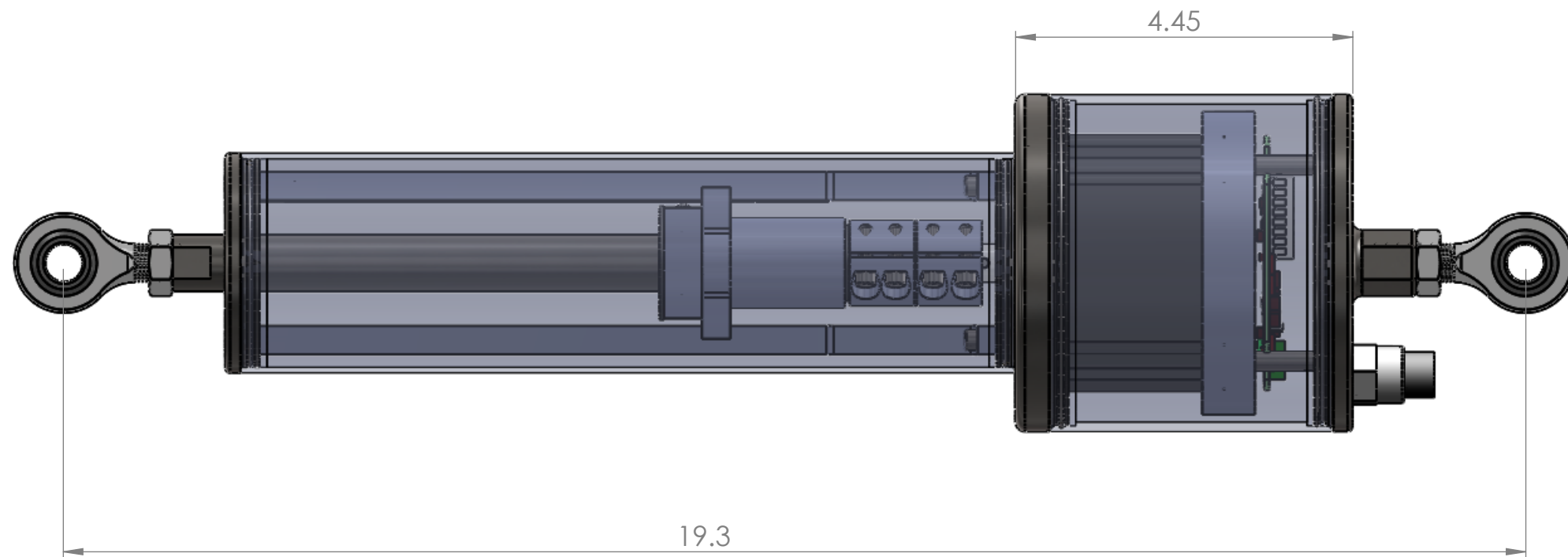
1,250 pounds from 0.5"-1.2" per second


Rapid travel at over 3" per second and less then 300 pounds of force

MATERIAL	316 SS	ALL DIMENSIONS ARE IN INCHES. DIMENSIONS IN [] ARE IN MM. UNLESS OTHERWISE SPECIFIED:		 2G ENGINEERING WWW.2G-ENG.COM	
COMMENTS:	Total stroke length is 5.25" Voltage: 12V-50V Current: 10A max	FRACTIONS: ±1/16 DECIMALS: .x ±.1 .xx ±.015 .xxx ±.005 ANGLES MACHINED: ±0° 30' OTHERS: ±2 CONCENTRICITY: ±.010 BREAK CORNERS: ±.015 - .030 FILLET RADIUS: ±.030 - .060 SURFACE FINISH: 125 RMS	DRAWN: HAG 8/23/2011 CHECKED: GMPH 8/23/2011	TITLE: 5" stroke, 2,500 pound force, underwater linear actuator assembly	
DO NOT SCALE DRAWING			PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF 2G ENGINEERING. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF 2G ENGINEERING IS PROHIBITED.		SIZE: B DWG. NO.: 2G.250 SCALE: 1:4 WEIGHT:
				REV: A8 SHEET 1 OF 2	



Onboard compensator



MATERIAL	316 SS	ALL DIMENSIONS ARE IN INCHES. DIMENSIONS IN [] ARE IN MM. UNLESS OTHERWISE SPECIFIED:	 2G ENGINEERING WWW.2G-ENG.COM	
COMMENTS:	Internal compensator adds approximately 3.5" to total length	FRACTIONS: $\pm 1/16$ DECIMALS: .x $\pm .1$.xx $\pm .015$.xxx $\pm .005$ ANGLES MACHINED: $\pm 0^\circ 30'$ OTHERS: ± 2	DRAWN HAG 8/23/2011 CHECKED GMPH 8/23/2011	TITLE: 5" stroke, 2,500 pound force, underwater linear actuator assembly
		CONCENTRICITY: $\pm .010$ BREAK CORNERS: $\pm .015 - .030$ FILLET RADIUS: $\pm .030 - .060$ SURFACE FINISH: 125 RMS	PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF 2G ENGINEERING. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF 2G ENGINEERING IS PROHIBITED.	SIZE DWG. NO. REV B 2G.250 A8
	DO NOT SCALE DRAWING		SCALE: 1:2	WEIGHT: SHEET 2 OF 2