

No.	PART NAME	QTY	MATERIAL
1	MALE HUB	1	316 STAINLESS STEEL
2	ACTUATOR ADAPTER PLATE	1	316 STAINLESS STEEL
3	TOP FLANGE	1	CARBON STEEL NYLON COATED
4	SHAFT EXTENSION	1	STAINLESS STEEL SCH 40 PIPE
5	PEDESTAL	1	CARBON STEEL SCH 40 PIPE NYLON COATED
6	BOTTOM FLANGE	1	CARBON STEEL NYLON COATED
7	SUPPORT COLLAR	1	STAINLESS STEEL
8	5/8" UNC HEX HEAD CAP SCREW	8	STAINLESS STEEL
9	5/8" SOCKET HEAD CAP SCREW	4	STAINLESS STEEL
10	PEDESTAL PLATE	1	CARBON STEEL NYLON COATED
11	THRUST BEARING	1	BRASS
12	FEMALE HUB	1	STAINLESS STEEL
13	PACKING RETAINING PLATE	1	CARBON STEEL NYLON COATED


33.00"

VARIES

VALVE

CENTERLINE OF VALVE

ALL KEYWAYS ARE IN LINE WITH VALVE SHAFT

6			DRAWN BY DJD	TOLERANCES (Except as Noted)	 <b>STEALTH INTERNATIONAL INC.</b> <a href="http://www.stealthvalve.com">www.stealthvalve.com</a>	The information contained herein shall not be copied, transferred, conveyed or displayed in any manner that would violate its proprietary nature without the express written permission of STEALTH INTERNATIONAL INC. 1273 North Service Road E. Unit F6 Oakville, Ont. L6H 1A7		<b>PEDESTAL &amp; SHAFT EXTENSION GENERAL ARRANGEMENT</b> - LESS THAN 20 FEET LONG WITH NON-SEALED HUB -	
5			DATE 03/10/03	DECIMAL ±.005					
4			CHECKED BY Bruce James	FRACTIONAL ±.015	<b>MATERIAL:</b> C.S. NYLON COATED      DO NOT SCALE      DRAWING No.				
3			DATE -	ANGULAR ±1/2°					PO# - SO# -
2			APPROVED BY Bruce James	FINISH 125 AARH	SCALE:				
1	CONVERTED TO 8.5 X 11	MAR 10/03	DATE -	FILLETS & RADII .031					<b>REVISIONS</b>
RFP			DATE -	BREAK SHARP EDGES					
No.	ERN	DATE							

## Stealth Pedestals & Shaft Extensions – Specifications


The pedestal shall support all shaft extensions. All shaft extensions shall be designed for removal from the valve shaft while under non-flowing pressure. Packing retaining plates shall be incorporated in all designs. Inner tubes shall be manufactured in a steady rest and machined finished and faced. Designs causing stagnant water are unacceptable. Torsional deflection calculations shall be submitted with all bids. All welds shall be continuous and full penetration. All torque tubes shall incorporate a permanent stainless steel tag with the maximum allowable torque to be applied to the assembly. Single keyways in the upper and lower hubs only.

### Inner Torque Tubes:

All inner torque tubes shall be designed for a maximum allowable torsional deflection of 0.50 degrees over the total required length. Both male and female hubs shall be 316 stainless steel, machined on the O.D., and inserted into the inner pipe a minimum of 75 M.M. (3 inches). All hubs shall be shouldered and fitted to the pipe prior to welding. The male hub shoulder O.D. shall be recessed below the outer tube-mounting flange. The female hub length shall be equivalent to the valve shaft height in all cases. The Female hub shall be bored through and double keyed at 90 degrees and engage the entire length of the valve shaft. Blind or capped hubs are not acceptable. When acceptable, all inner torque tubes requiring HDG shall be drilled to prevent explosion. All inner torque tubes requiring HDG shall be tapped and plugged with stainless steel plugs prior to assembly. Shaft extensions shall be 316 stainless steel unless otherwise noted. Stainless steel extensions do not require plugs. HDG shaft extensions when specified shall incorporate sealing plugs. All length's exceeding 6.5 meters shall be coupled using flanges at each length and bolted as an assembly in the field. The internal drive between the connection shall be single key male and female hubs. The flange connection will not serve as the positive drive.

### Shaft extension Pedestals:

All pedestals shall be designed to withstand the maximum output torque of the actuator with a maximum torsional deflection of .5 degrees with 450 lbs./ft. of torque on the input shaft of the actuator. All pedestals shall be indicating with vertical or horizontal indicators. Pedestals shall be carbon steel nylon coated in accordance with NSF 61 inside and out or 316 stainless steel. Pedestal bases shall be square and designed for a minimum of 4 mounting bolts. Mounting plate bolts shall be designed for one bolt to accommodate the total shear force based on the total torsional deflection at maximum output torque of the actuator. All extensions and pedestal assemblies shall be manufactured by Stealth International Inc.

 <b>STEALTH INTERNATIONAL INC.</b> A Division of Stealth Valve & Controls Ltd. 1273 North Service Road East, Unit F6, Oakville, ON, L6H 1A7. Phone: 905-845-4500 Fax: 905-845-4505 sales@stealthvalve.com www.stealthvalve.com	<u>Project Name :</u>	
	<u>Customer :</u>	
	<u>P.O.#:</u>	<u>S.O.#:</u>
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