Ipdated 02/16: Added fillets to the end connect	ion .	
paated 02/16: Added fillets to the end connect lece. Fixed motor dimensions (they were sligh ff)	tly	
DATED 02/14: est stand is now for the PRO-98 solid Motor ffire program.	End_Connection_Piece.PDF (Updated 02/20/22)  Assembly File (Updated 02/14/22)	
ome components and dimensions changed. ee the next sheet for more info. ee the new CAD here:	New Drawings.SLDDRW & PDF (Updated 02/14/22)	Custom Plates Overview & Quantities
OLID MOTOR TEST STAND FOLDER		gammes
PDATED 09/27: See the Bolts Links Sheet for bolts and a rough ount of bolts New link for the final CAD assembly: est_Stand_9-27_Final: https://drive.google. om/driveffolders/im98kVCAghdSJQhfmm8DD. X61Qw1DQ7usp=sharing		
	Assembly File (Updated 09/14/21)	
INK TO FOLDER	Drawings File .SLDDRW (Updated 09/06/21)  All Drawings.PDF (Updated 09/06/21)	
ITEM NO. PART NUMBER	DESCRIPTION	QTY. Link to CAD File
To Order	DESCRIF HOR	C LIIIK to CAD FIIE
1 Rails	(Buy) 160mm rails (x2 each side) 15 mm Wide Guide Rail	4 Rail
2 Ball_Bearing_Carriage	(Buy) Carriages that ride on the rails (x2 each side) Ball Bearing Carriage	4 Carriage
Plates (Thickness x width x length)		, , , , , , , , , , , , , , , , , , , ,
1 Clamp_Base_Strip	1/8" x 1" x 11" front and back plates to extend the holes (x2 each clamp)	4 Clamp Base Strip
2 Clamp Metal Sheet	1/8" x 4" x 11" front and back metal sheets of the clamp (x4 each clamp) **Update 4/8: Edited the four-hole plate by a little bit. Now 1/8" clamps work	8 Clamp Metal Sheet
3 Bottom Rail Hold Plate	1/8" x 3" x 7" plates between the rail and the base (x2 each side)	4 Bottom Rail Hold Plate
4 Top_Carriage_Hold_Plate	1/8" x 4" x 3.5" plates between the clamp and carriages (x2 each side)	4 Top Carriage Hold Plate
5 Back_Load_Cell_Plate	1/4" s" x 14" plate that supports the load back of the stand and mounts the load cells	1 Back Load Cell Plate
6 CC Five Hole Extension Plate	1/4"x6.25"x10" plate that increases the base area of the combustion chamber so that it can press against the load cell buttons.	1 CC Five Hole Extension Plate
Frames		
1 Seven_Inch_Frame	7" The sides of the clamps (x2 each) Galvanized Steel Rail	4
2 Eight_Inch_Frame	8" The top of the clamps (x1 each)	2
3 Nine_Inch_Frame	9" At the top of the clamps (x1 each)	2
4 Ten_Inch_Frame	10" Horizontal support (x5), vertical support (x4)	9
5 Eleven_Inch_Frame_Special	11" (*) These go btween the clamp metal sheets to support the bottom.  ** 4/15: Need to change these into 10" (cut an inch off)	2
6 Twelve_Inch_Frame	12" Added to the back of the load cell mounting plate for extra support	1
7 Fourteen_Inch_Frame	14" Horizontal bar at the top of the load cell section.	1
8 Sixteen_Inch_Frame	$16^{\prime\prime}$ At the front (x1), on clamps (x2 on each), at the bottom of load cell section	6
	56" The long bars that go across the whole stand (x2 each side) **4/11 Update: Changed the longest frames from 62" to 56" (-6"). Made the front 1" shorter and the back 5" shorter (the back is now 7").	
9 Sixty_Two_Inch_Frame	See updated assembly drawing	4
10 Five_In_Frames	5" Legs parallel to the sides. Placed near the clamps.	4
11 Four_In_Frames	4" Legs perpendicular to the sides. Placed at front and back.	4
12 Ten_In_Slanted_Frame	10.2" bar cut at 45 degrees to support the vertical load cell plate	2
Not Added Yet		
1 Brackets	Structural Brackets	?
2 Screws		?
Stuff to Order		
72" Frames	Galvanized Steel Rail For cutting and the 56" outer frames	3 \$44.30

