



WIRED PILOT™

Wire Pilot™ Feed Assist Test Data



Pull Number	Pounds of Force on Feed Motor	
	Without Wire Pilot Feed Assist	With Wire Pilot Feed Assist
1	25 lbs 4 oz	3 lbs 2 oz
2	28 lbs 7 oz	3 lbs 9 oz
3	33 lbs 2 oz	3 lbs 2 oz
4	33 lbs 0 oz	3 lbs 8 oz
5	34 lbs 2 oz	3 lbs 2 oz
6	24 lbs 3 oz	3 lbs 8 oz
7	32 lbs 7 oz	3 lbs 12 oz
8	35 lbs 8 oz	3 lbs 9 oz
9	35 lbs 3 oz	2 lbs 14 oz
10	29 lbs 10 oz	3 lbs 1 oz
Avg lbs of Force	31 lbs 1 oz	3 lbs 3 oz

Wire Pilot Feed Assist with Reclassifier

The above data was taken under the following conditions:

- Wire Wizard Non-Stop Wire Dispenser using .045" diameter solid wire
- 100ft Wire Wizard EC-4 Conduit and E-Z Feed Connectors
- Conduit run included
 - 1 – 180 ° bend with 24" radius
 - 5 – 90 ° bends with 24" radius
- Robot in the home position
- All data was taken at the diffuser with contact tip & nozzle removed

