TECH-ROLL
HYDRAULIC MOTORIZED PULLEYS™

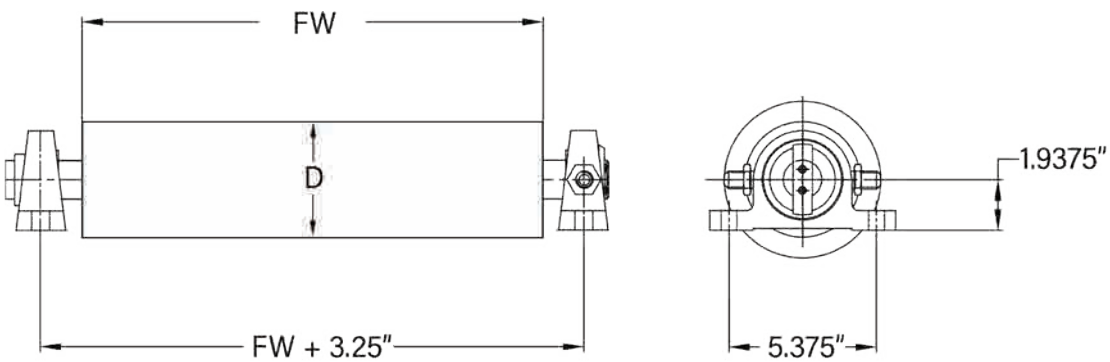
TECH-ROLL STANDARD SERIES
Dimensions and Pull Force

HYDRAULIC PRESSURE		1000	1500	2000
5 cu in motor Torque		**575 in lbs**	**975 in lbs**	**1300 in lbs**
D = 4.5”	Belt Pull (lbs)...	264	408	533
D = 6.5”	“	175	282	383
D = 8.5”	”	140	216	292
D = 10.5”	“	113	174	237
8 cu in motor Torque		**1000 in lbs**	**1500 in lbs**	**2100 in lbs**
D = 4.5”	Belt Pull (lbs)...	427	677	933
D = 6.5”	“	306	469	646
D = 8.5”	”	234	358	494
D = 10.5”	“	132	290	400
12 cu in motor Torque		**1600 in lbs**	**2400 in lbs**	**3300 in lbs**
D = 4.5”	Belt Pull (lbs)...	711	1093	1466
D = 6.5”	“	492	756	1015
D = 8.5”	”	376	578	776
D = 10.5”	“	304	468	628
16 cu in motor Torque		**2000 in lbs**	**3100 in lbs**	**N/A**
D = 4.5”	Belt Pull (lbs)...	880	1300	-
D = 6.5”	“	750	1135	-
D = 8.5”	”	575	865	-
D = 10.5”	“	465	700	-
20 cu in motor Torque		**2500 in lbs**	**4000 in lbs**	**N/A**
D = 4.5”	Belt Pull (lbs)...	1115	1777	-
D = 6.5”	“	880	1230	-
D = 8.5”	”	880	941	-
D = 10.5”	“	880	761	-
24 cu in motor Torque		**3000 in lbs**	**4500 in lbs**	**N/A**
D = 4.5”	Belt Pull (lbs)...	1333	2044	-
D = 6.5”	“	923	1384	-
D = 8.5”	”	705	1058	-
D = 10.5”	“	571	857	-

*Above pull forces are calculated at outside diameter of the roller. Lagging & sprockets installed on the roller will reduce the pull force. To calculate pull force with sprockets, use the pitch diameter as O.D. Given torque values are for average RPM

Shafts: 1.5” Diameter **Motor:** Parker TE Series **Hydraulic Connection:** Male JIC #6 (3/8”)

PILLOW BLOCK BEARING



FLANGE BEARING