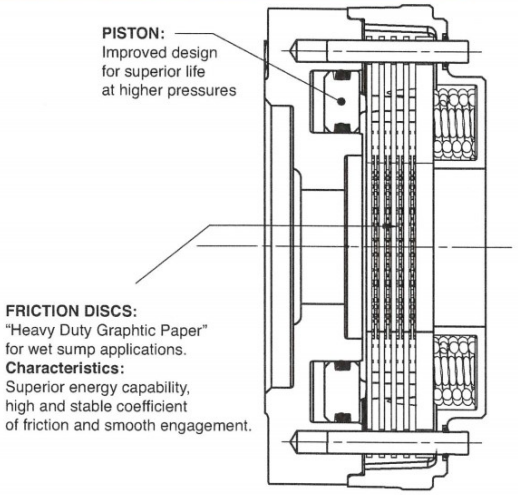
TwisToTow Drives
A2 Series

About A2 Series Park Brakes

A2 Series Park Brakes are semi-integrated static parking brakes. They are spring applied and hydraulically released. They are available in most Power Wheel® models and configurations. They provide an overall length savings as compared to traditional bolt on park brakes. They are most commonly specified in wheel drives, shaft output drives, flanged output drives, and swing drives.

General A2 Series Data:

1. Maximum operating pressure is 3,000 psi (206.4 Bar). Pressure spikes or surges not to exceed 3,500 psi (240.8 Bar). Surge pressure in excess of 3,500 psi (240.8 Bar) caused by spikes in the hydraulic system could shorten brake life and must be avoided.
2. Use only SAE grade 8 mounting bolts and torque to 80-90 lb. ft. (108-122N-m) for motor mounting.
3. PRECAUTION: Bench testing may cause distortion of components or bolt failure. Mounting bolts must be used for supplemental clamping.
4. Minimum Release Pressure is defined as the hydraulic pressure required to obtain full running clearance.
5. Cubic Inch Displacement is the volume of oil required to release the brake piston 1.0 in^3 (16.4cc) for a new brake and 2.0 in^3 (32.8cc) for a worn brake pack.



Wet Park Brakes

Models: 6B, 6B Plus and 7

Part Number	Order Code	Mount	Input Spline	Holding Torque		Minimum Release Pressure		Style
				lbf-in	N-m	PSI	Bar	
A-18-220	B2	SAE A	13T, 14T, 15T, 1"6B	1,800	203	220	15.2	Short
B-18-220	B2	SAE B	13T, 14T, 15T, 1"6B	1,800	203	220	15.2	Short
A-24-290	B3	SAE A	13T, 14T, 15T, 1"6B	2,400	271	290	20.0	Short
B-24-290	B3	SAE B	13T, 14T, 15T, 1"6B	2,400	271	290	20.0	Short
B-24-160	B4	SAE B	13T, 14T, 15T, 1"6B	2,400	271	160	11.0	Standard
A-32-220	B5	SAE A	13T, 14T, 15T, 1"6B	3,200	362	220	15.2	Standard
B-32-220	B5	SAE B	13T, 14T, 15T, 1"6B	3,200	362	220	15.2	Standard
A-36-230	B6	SAE A	13T, 14T, 15T, 1"6B	3,600	407	230	15.9	Standard
B-36-230	B6	SAE B	13T, 14T, 15T, 1"6B	3,600	407	230	15.9	Standard
A-42-260	B7	SAE A	13T, 14T, 15T, 1"6B	4,200	475	260	17.9	Standard
B-42-260	B7	SAE B	13T, 14T, 15T, 1"6B	4,200	475	260	17.9	Standard

13T = 13T 16/32

14T = 14T 12/24

15T = 15T 16/32

Maximum Release Pressure = 3,000 PSI (206.8 Bar)

Minimum Release Pressure is the pressure required to have a full running clearance within the brake

Wet Park Brakes

Models: 8B, 9 and 145

Part Number	Order Code	Mount	Input Spline	Holding Torque		Minimum Release Pressure		Style
				lbf-in	N-m	PSI	Bar	
A-18-220	B2	SAE A	13T, 14T, 15T, 1"6B	1,800	203	220	15.2	Short
B-18-220	B2	SAE B	13T, 14T, 15T, 1"6B	1,800	203	220	15.2	Short
A-24-290	B3	SAE A	13T, 14T, 15T, 1"6B	2,400	271	290	20.0	Short
B-24-290	B3	SAE B	13T, 14T, 15T, 1"6B	2,400	271	290	20.0	Short
B-24-160	B4	SAE B	13T, 14T, 15T, 1"6B	2,400	271	160	11.0	Standard
C-24-135	B4	SAE C	14T	2,400	271	135	9.3	Standard
A-32-220	B5	SAE A	13T, 14T, 15T, 1"6B	3,200	362	220	15.2	Standard
B-32-220	B5	SAE B	13T, 14T, 15T, 1"6B	3,200	362	220	15.2	Standard
A-36-230	B6	SAE A	13T, 14T, 15T, 1"6B	3,600	407	230	15.9	Standard
B-36-230	B6	SAE B	13T, 14T, 15T, 1"6B	3,600	407	230	15.9	Standard
C-36-185	B6	SAE C	14T	3,600	407	185	12.8	Standard
A-42-260	B7	SAE A	13T, 14T, 15T, 1"6B	4,200	475	260	17.9	Standard
B-42-260	B7	SAE B	13T, 14T, 15T, 1"6B	4,200	475	260	17.9	Standard
C-42-210	B7	SAE C	14T	4,200	475	210	14.5	Standard

13T = 13T 16/32

14T = 14T 12/24

15T = 15T 16/32

Maximum Release Pressure = 3,000 PSI (206.8 Bar)

Minimum Release Pressure is the pressure required to have a full running clearance within the brake