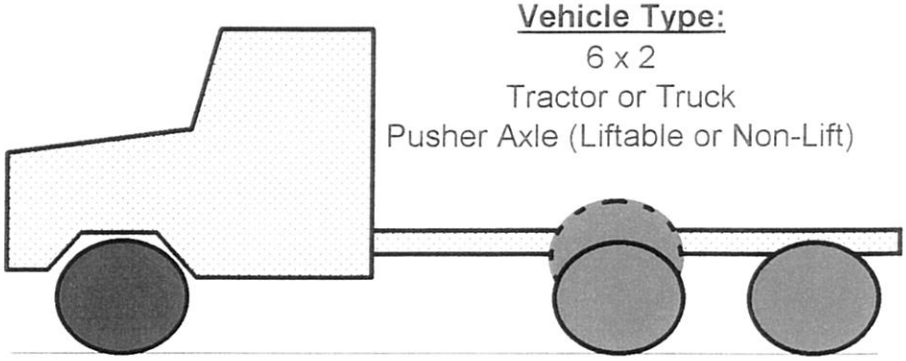
Design Rules For Valves And ABS

Vehicle Type:
6 x 2
Tractor or Truck
Pusher Axle (Liftable or Non-Lift)



	Steering Axle		Pusher Axle	Drive Axle
Standard Valve	Quick Release	**Configuration #1**	Relay	
Hold-Off	6 psi sustained	413-002,8,9,11	5.5 psi	
Circuit	Secondary	432-003, -A01	Primary	
ABS Sensor	Sensed		No	Sensed
ABS Modulator	Modulated		Modulated	Modulated
Chambers	24" or Less		Any	Any
Brakes	15" x 4"	402-KA1	Any	Any
Suspensions	For All Suspensions		For All Suspensions	

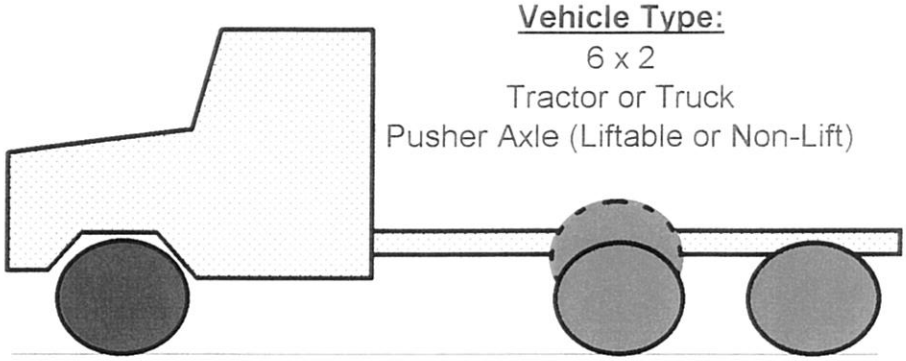
Standard Valve	Quick Release	**Configuration #2**	Relay	
Hold-Off	3 psi sustained	413-002, -012	5.5 psi	
Circuit	Secondary	432-003, -A01	Primary	
ABS Sensor	Sensed		No	Sensed
ABS Modulator	Modulated		Modulated	Modulated
Chambers	24" or Less		Any	Any
Brakes	15x5 or Larger	Not 402-KA1	Any	Any
Suspensions	For All Suspensions		For All Suspensions	

Optional Valve	Quick Release	**Configuration #3**	Relay	
Hold-Off	3 psi sustained	413-002, -012	4.0 psi	
Circuit	Secondary	432-A02	Primary	
ABS Sensor	Sensed		No	Sensed
ABS Modulator	Modulated		Modulated	Modulated
Chambers	24" or Less		Any	Any
Brakes	15" x 4"	402-KA1	Any	Any
Suspensions	For All Suspensions		For All Suspensions	

Optional Valve	Quick Release	**Configuration #4**	Relay	
Hold-Off	0-1 psi	413-002, -006	4.0 psi	
Circuit	Secondary	432-A02	Primary	
ABS Sensor	Sensed		No	Sensed
ABS Modulator	Modulated		Modulated	Modulated
Chambers	24" or Less		Any	Any
Brakes	15x5 or Larger	Not 402-KA1	Any	Any
Suspensions	For All Suspensions		For All Suspensions	

Design Rules For Valves And ABS

Vehicle Type:
6 x 2
Tractor or Truck
Pusher Axle (Liftable or Non-Lift)



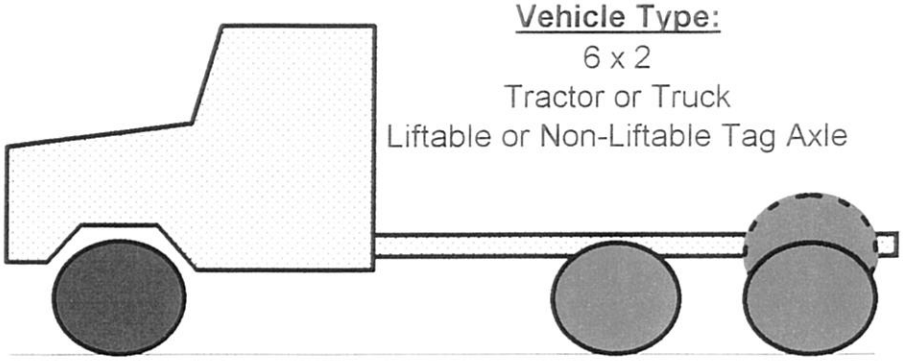
	Steering Axle		Pusher Axle	Drive Axle
Special Valve	Quick Release	**Configuration #5**	Relay	
Hold-Off	0-1 psi	413-006 Only	4.0 psi	
Circuit	Secondary	432-A02 Only	Primary	
ABS Sensor	Sensed		No	Sensed
ABS Modulator	Modulated		Modulated	Modulated
Chambers	24" or Less		Any	Any
Brakes	15" x 4"	402-KA1	Any	Any
Suspensions	For All Suspensions		For All Suspensions	

Optional Valve	Relay	**Configuration #6**	Relay	
Hold-Off	5.5 psi	413-002, -011	5.5 psi	
Circuit	Secondary	432-003, -A01	Primary	
ABS Sensor	Sensed		No	Sensed
ABS Modulator	Modulated		Modulated	Modulated
Chambers	24" or Larger		Any	Any
Brakes	15" x 4"	402-KA1	Any	Any
Suspensions	For All Suspensions		For All Suspensions	

Optional Valve	Relay	**Configuration #7**	Relay	
Hold-Off	4.0 psi	413-002, -012	4.0 psi	
Circuit	Secondary	432-A02	Primary	
ABS Sensor	Sensed		No	Sensed
ABS Modulator	Modulated		Modulated	Modulated
Chambers	24" or Larger		Any	Any
Brakes	15" x 4"	402-KA1	Any	Any
Suspensions	For All Suspensions		For All Suspensions	

Optional Valve	Relay	**Configuration #8**	Relay	
Hold-Off	4.0 psi	413-002, -012	5.5 psi	
Circuit	Secondary	432-003, -A01	Primary	
ABS Sensor	Sensed		No	Sensed
ABS Modulator	Modulated		Modulated	Modulated
Chambers	24" or Larger		Any	Any
Brakes	15x5 or Larger	Not 402-KA1	Any	Any
Suspensions	For All Suspensions		For All Suspensions	

Design Rules For Valves And ABS



Vehicle Type:
6 x 2
Tractor or Truck
Liftable or Non-Liftable Tag Axle

	Steering Axle		Drive Axle	Tag Axle
Standard Valve	Quick Release	**Configuration #1**	Relay	
Hold-Off	6 psi sustained	413-002,8,9,11	5.5 psi	
Circuit	Secondary	432-003, -A01	Primary	
ABS Sensor	Sensed		Sensed	No
ABS Modulator	Modulated		Modulated	Modulated
Chambers	24" or Less		Any	Any
Brakes	15" x 4"	402-KA1	Any	Any
Suspensions	For All Suspensions		For All Suspensions	

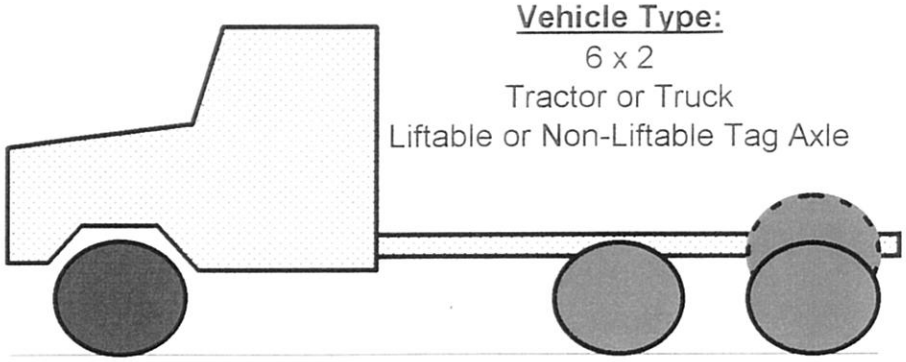
Standard Valve	Quick Release	**Configuration #2**	Relay	
Hold-Off	3 psi sustained	413-002, -012	5.5 psi	
Circuit	Secondary	432-003, -A01	Primary	
ABS Sensor	Sensed		Sensed	No
ABS Modulator	Modulated		Modulated	Modulated
Chambers	24" or Less		Any	Any
Brakes	15x5 or Larger	Not 402-KA1	Any	Any
Suspensions	For All Suspensions		For All Suspensions	

Optional Valve	Quick Release	**Configuration #3**	Relay	
Hold-Off	3 psi sustained	413-002, -012	4.0 psi	
Circuit	Secondary	432-A02	Primary	
ABS Sensor	Sensed		Sensed	No
ABS Modulator	Modulated		Modulated	Modulated
Chambers	24" or Less		Any	Any
Brakes	15" x 4"	402-KA1	Any	Any
Suspensions	For All Suspensions		For All Suspensions	

Optional Valve	Quick Release	**Configuration #4**	Relay	
Hold-Off	0-1 psi	413-002, -006	4.0 psi	
Circuit	Secondary	432-A02	Primary	
ABS Sensor	Sensed		Sensed	No
ABS Modulator	Modulated		Modulated	Modulated
Chambers	24" or Less		Any	Any
Brakes	15x5 or Larger	Not 402-KA1	Any	Any
Suspensions	For All Suspensions		For All Suspensions	

Design Rules For Valves And ABS

Vehicle Type:
6 x 2
Tractor or Truck
Liftable or Non-Liftable Tag Axle



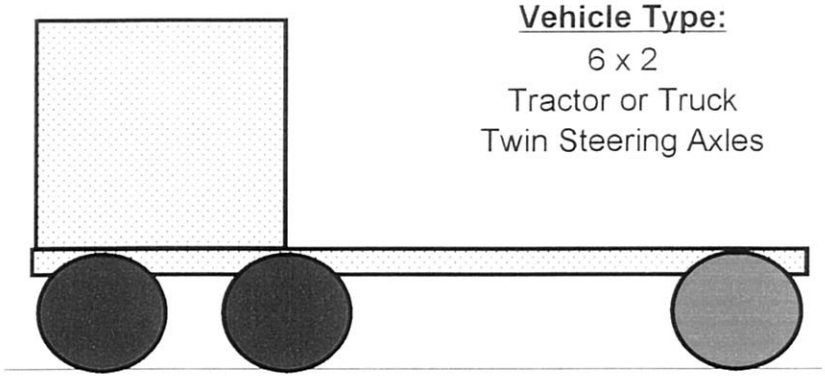
	Steering Axle		Drive Axle	Tag Axle
Special Valve	Quick Release	**Configuration #5**	Relay	
Hold-Off	0-1 psi	413-006 Only	4.0 psi	
Circuit	Secondary	432-A02 Only	Primary	
ABS Sensor	Sensed		Sensed	No
ABS Modulator	Modulated		Modulated	Modulated
Chambers	24" or Less		Any	Any
Brakes	15" x 4"	402-KA1	Any	Any
Suspensions	For All Suspensions		For All Suspensions	

Optional Valve	Relay	**Configuration #6**	Relay	
Hold-Off	5.5 psi	413-002, -011	5.5 psi	
Circuit	Secondary	432-003, -A01	Primary	
ABS Sensor	Sensed		Sensed	No
ABS Modulator	Modulated		Modulated	Modulated
Chambers	24" or Larger		Any	Any
Brakes	15" x 4"	402-KA1	Any	Any
Suspensions	For All Suspensions		For All Suspensions	

Optional Valve	Relay	**Configuration #7**	Relay	
Hold-Off	4.0 psi	413-002, -012	4.0 psi	
Circuit	Secondary	432-A02	Primary	
ABS Sensor	Sensed		Sensed	No
ABS Modulator	Modulated		Modulated	Modulated
Chambers	24" or Larger		Any	Any
Brakes	15" x 4"	402-KA1	Any	Any
Suspensions	For All Suspensions		For All Suspensions	

Optional Valve	Relay	**Configuration #8**	Relay	
Hold-Off	4.0 psi	413-002, -012	5.5 psi	
Circuit	Secondary	432-003, -A01	Primary	
ABS Sensor	Sensed		Sensed	No
ABS Modulator	Modulated		Modulated	Modulated
Chambers	24" or Larger		Any	Any
Brakes	15x5 or Larger	Not 402-KA1	Any	Any
Suspensions	For All Suspensions		For All Suspensions	

Design Rules For Valves And ABS



Vehicle Type:
6 x 2
Tractor or Truck
Twin Steering Axles

	Steering Axles			Drive Axles
Standard Valve	Relay-1		**Configuration #1**	Relay-2
Hold-Off	5.5 psi		413-002, -011	5.5 psi
Circuit	Secondary		432-003, -A01	Primary
ABS Sensor	Sensed	No		Yes
ABS Modulator	Modulated	No		Modulated
Chamber	Any	Any		Any
Brake	15" x 4"	15" x 4"	402-KA1	Any
Suspension	Any	Any		Any

Standard Valve	Relay-1		**Configuration #2**	Relay-2
Hold-Off	4.0 psi		413-002, -012	5.5 psi
Circuit	Secondary		432-003, -A01	Primary
ABS Sensor	Sensed	No		Yes
ABS Modulator	Modulated	No		Modulated
Chamber	Any	Any		Any
Brake	15x5 or Larger	15x5 or Larger	Not 402-KA1	Any
Suspension	Any	Any		Any

Optional Valve	Relay-1		**Configuration #3**	Relay-2
Hold-Off	4.0 psi		413-002, -012	4.0 psi
Circuit	Secondary		432-A02	Primary
ABS Sensor	Sensed	No		Yes
ABS Modulator	Modulated	No		Modulated
Chamber	Any	Any		Any
Brake	15" x 4"	15" x 4"	402-KA1	Any
Suspension	Any	Any		Any