

Annex 2

Readjustment limits. The maximum pushrod stroke must not be greater than the values given in the tables below. Any brake stroke exceeding the readjustment limit shall be cause for rejection. Stroke shall be measured with engine off and reservoir pressure of 80 to 90 psi with brakes fully applied. For actuator types not listed in these tables, the pushrod stroke must not be greater than 80 percent of the rated stroke marked on the actuator by the actuator manufacturer, or greater than the readjustment limit marked on the actuator by the actuator manufacturer.

CLAMP-TYPE BRAKE CHAMBERS

Type	Effective Area (square inch)	Outside Diameter (inch)	Brake Readjustment Limit
6	4 1/2 in. (114 mm)	1 1/4 in. (31.8 mm)	
9	5 1/4 in. (34.9 mm)	1 3/8 in. (34.9 mm)	
12	5 11/16 in. (145 mm)	1 3/8 in. (34.9 mm)	1 3/4 in. (44.5 mm)
16	6 3/8 in. (162 mm)	1 3/4 in. (44.5 mm)	2 in. (50.8 mm)
20	6 25/32 in. (172 mm)	1 3/4 in. (44.5 mm)	2 in. (50.8 mm)
24	7 7/32 in. (184 mm)	1 3/4 in. (44.5 mm)	2 1/2 in. (63.5 mm)*
30	8 3/32 in. (206 mm)	2 in. (50.8 mm)	2 1/2 in. (63.5 mm)**
36	9 in. (229 mm)	2 1/4 in. (57.2 mm)	2 1/2 in. (63.5 mm)

* - For type 20 chambers with a 3-inch (76 mm) rated stroke.

** - For type 24 chambers with a 3-inch (76 mm) rated stroke.

BOLT-TYPE BRAKE CHAMBERS

Type	Outside Diameter	Brake Readjustment Limit
A	6 15/16 in. (176 mm)	1 3/8 in. (34.9 mm)
B	9 3/16 in. (234 mm)	1 3/4 in. (44.5 mm)
C	8 1/6 in. (205 mm)	1 3/4 in. (44.5 mm)
D	5 1/4 in. (133 mm)	1 1/4 in. (31.8 mm)
E	6 3/16 in. (157 mm)	1 3/8 in. (34.9 mm)
F	11 in. (279 mm)	2 1/4 in. (57.2 mm)
G	9 7/8 in. (251 mm)	2 in. (50.8 mm)

ROTOCHAMBER-TYPE BRAKE CHAMBERS

Type	Outside Diameter	Brake Readjustment Limit
9	4 9/32 in. (109 mm)	1 1/2 in. (38.1 mm)
12	4 13/16 in. (122 mm)	1 1/2 in. (38.1 mm)
16	5 13/32 in. (138 mm)	2 in. (50.8 mm)
20	5 15/16 in. (151 mm)	2 in. (50.8 mm)
24	6 13/32 in. (163 mm)	2 in. (50.8 mm)
30	7 1/16 in. (180 mm)	2 1/4 in. (57.2 mm)
36	7 5/8 in. (194 mm)	2 3/4 in. (69.9 mm)
50	8 7/8 in. (226 mm)	3 in. (76.2 mm)

BENDIX DD-3 BRAKE CHAMBERS

Type	Outside Diameter	Brake Readjustment Limit
30	8 1/8 in. (206 mm)	2 1/4 in. (57.2 mm)

WEDGE BRAKES – Movement of the scribe mark on the lining shall not exceed 1/16 inch.

BRAKE STOPPING DISTANCE

CLASSIFICATION OF VEHICLES	BRAKING FORCE AS A PERCENTAGE OF GROSS VEHICLE OR COMBINATION WEIGHT	DECELERATION IN FEET PER SECOND	BRAKE SYSTEM APPLICATION AND BRAKE DISTANCE IN FEET FROM AN INITIAL SPEED OF 20 MPH
PASSENGER VEHICLES WITH A SEATING CAPACITY OF 10 PEOPLE OR LESS, INCLUDING THE DRIVER, NOT HAVING A MANUFACTURER'S GROSS VEHICLE WEIGHT RATING	52.8%	17	25
SINGLE UNIT VEHICLE WITH A MANUFACTURER'S GROSS WEIGHT RATING OF 10,000 POUNDS OR LESS	43.5%	14	30
SINGLE UNIT VEHICLE WITH A MANUFACTURER'S GROSS WEIGHT RATING OF MORE THAN 10,000 POUNDS	43.5%	14	40
COMBINATION OF TWO AXLE TOWING VEHICLE AND A TRAILER WITH A WEIGHT OF 3,000 POUNDS OR LESS	43.5%	14	40
BUSES, REGARDLESS OF THE NUMBER OF AXLES, NOT HAVING A MANUFACTURER'S GROSS WEIGHT RATING	43.5%	14	40
ALL COMBINATIONS OF VEHICLES IN DRIVEAWAY-TOWAWAY OPERATIONS	43.5%	14	40
ALL OTHER VEHICLES AND COMBINATION OF VEHICLES	43.5%	14	50