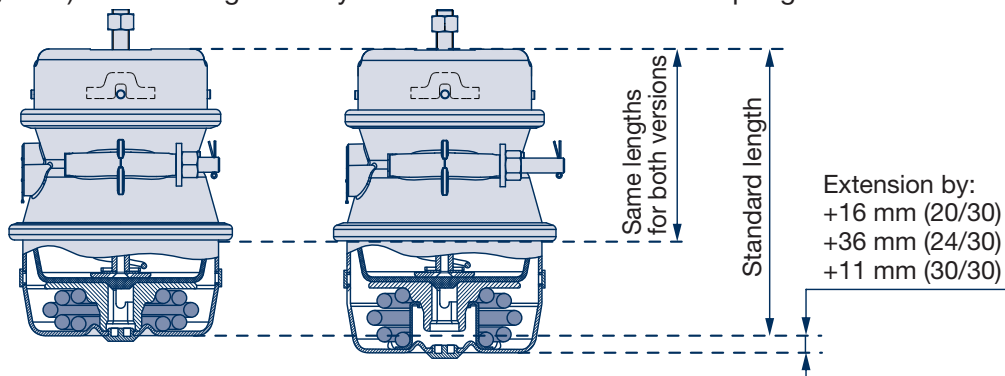




## Introduction of CCF drum brake chambers

Brake cylinders are components in the brake system which convert pneumatic energy (compressed air) into kinetic energy (mechanical movement). In operating mode, the spring is tensioned by the vehicle's compressed air and the parking brake is released. When the parking brake is activated, the spring in the rear section relaxes, causing the push rod to extend forwards. Different requirements are applied to the brake cylinder depending on the area of application of the vehicle and the actuation behavior of the brake system.

The diaphragm-diaphragm CCF cylinder is characterized by a longer housing of the spring brake section. The spring coils therefore do not touch each other when tensioned ("coil clash free", CCF). This can significantly extend the service life of the spring.



The DD standard cylinder can be replaced by the DD CCF cylinder depending on the installation space situation. The force output is within the tolerance range of the DD standard cylinder and is confirmed by a TÜV certificate; homologation is therefore not necessary.

Part number DD-Standard	Description DD-Standard		Part number DD-CCF	Description DD-CCF	Change in length housing
05.444.20.01.0	TB 24/30 DD	-->	05.444.20.18.0	TB 24/30 DD CCF	+36 mm
05.444.20.01.1	TB 24/30 DD	-->	05.444.20.18.1	TB 24/30 DD CCF	+36 mm
05.444.20.14.0	TB 24/30 DD	-->	05.444.20.19.0	TB 24/30 DD CCF	+36 mm
05.444.21.01.0	TB 30/30 DD	-->	05.444.21.22.0	TB 30/30 DD CCF	+11 mm
05.444.21.01.1	TB 30/30 DD	-->	05.444.21.22.1	TB 30/30 DD CCF	+11 mm
05.444.21.04.1	TB 30/30 DD	-->	05.444.21.23.1	TB 30/30 DD CCF	+11 mm
05.444.19.01.0	TB 20/30 DD	-->	05.444.19.04.0	TB 20/30 DD CCF	+16 mm
05.444.19.01.1	TB 20/30 DD	-->	05.444.19.04.1	TB 20/30 DD CCF	+16 mm
			05.444.20.13.1	TB 24/30 DD CCF	
			05.444.21.16.0	TB 30/30 DD CCF	

The DD CCF cylinder is now available.

Please contact your personal BPW sales manager for further questions.