

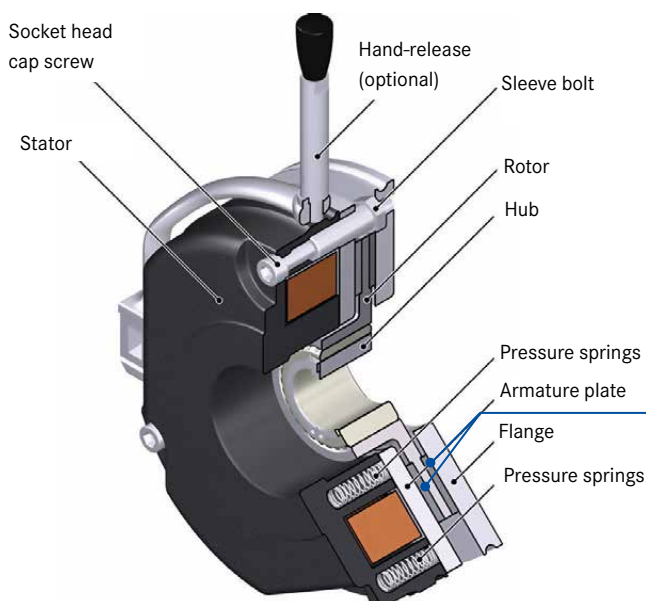
# Increased braking torque for holding brakes and safety brakes.



On our spring-applied/spring-loaded brakes from the BFK458 series, the HFC friction lining (HFC stands for “high friction coefficient”) allows us to increase the braking torque by around 20% without any change in size. Thus, by choosing a spring-applied brake with an HFC friction lining, you can save valuable installation space and cut costs.

## HIGHLIGHTS

- For higher braking torques or smaller sizes
- For use as a holding brake



### Friction linings:

- Standard
- Wear Resistant
- High Friction Coefficient
- High Temperature

# Spring-applied brake BFK458 with HFC friction lining

The modular BFK458 system is scalable, making it ideal for the universal application of spring-applied brakes. It also ensures rapid worldwide availability and a consistent standard of quality.

Typical application areas for spring-applied brakes are conveyors/conveyor equipment, machine tools, lifting applications, cranes, automation technology, brake motors, and all situations where a safe standstill is required.

We can offer you various brake linings to perfectly accommodate your requirements for braking and holding systems.

Friction lining variants		
<b>Standard</b>	<ul style="list-style-type: none"> <li>• For universal use</li> <li>• Large speed range</li> <li>• Short run-in operation procedure required</li> </ul>	Can be used as a holding and operating brake
<b>WR (wear-resistant)</b>	<ul style="list-style-type: none"> <li>• Long service life</li> <li>• Limited maximum speed</li> <li>• Short run-in operation procedure required</li> </ul>	Can be used for standard applications
<b>HFC (high friction coefficient)</b>	<ul style="list-style-type: none"> <li>• Increased friction factor</li> <li>• For higher braking torques</li> <li>• Short run-in operation procedure required</li> </ul>	For use as a holding brake
<b>HT (high temperature)</b>	<ul style="list-style-type: none"> <li>• Friction lining suitable for high temperatures</li> <li>• Stable static inertia</li> <li>• Insensitive to humidity</li> </ul>	

## Higher braking torque – smaller size?

Size	6	8	10	12	14	16	18	20	25
M [Nm]	-	-	-	-	-	-	-	80	-
	1,5	3,5	-	-	25	35	65	115	175
	2	4	7	14	32	45	80	145	220
	2,5	5	9	18	40	55	100	170	265
	3	6	11	23	45	60	115	200	300
	3,5	7	14	27	55	70	130	230	350
	4	8	16	32	60	80	150	260	400
	4,5	9	18	36	65	90	165	290	445
	5	10	20	40	75	100	185	315	490
	5,5	11	23	46	80	105	200	345	530
6	12	-	-	-	125	235	400	600	
<b>HFC</b>	<b>7,5</b>	<b>15</b>	<b>28</b>	<b>55</b>	<b>100</b>	<b>150</b>	<b>290</b>	<b>490</b>	<b>720</b>

HFC – new maximum torque for the same size

Operating brake
  Standard braking torque
  Holding brake with emergency stop operation

We will be happy to advise you with regard to individual dimensioning and any other questions you may have.