

CERTIFICATE

IP69K

Bearings and bearing units

MOVET WATERPROOF FLANGE BEARING COMBINATION

Product group consisting of: MOVET Waterproof Flange bearing
 MOVET Waterproof Protective cap
 MOVET Waterproof Shaft seal

Colour: blue

We hereby certify that the above mentioned product group consisting of a flange bearing, a protective cap and a shaft seal from the MOVET Waterproof series has been tested according to test standard **ISO 20653:2013-02** to category **IP6KX** for dust tightness and to category **IPX9K** for protection against water during high pressure/steam jet cleaning. The test specifications with the respective parameters are listed on page 2.

The product group has passed both tests and thus meets the requirements of **protection class IP69K**.

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TEST SPECIFICATIONS

Test Category: IP6KX - Dust test (dust-tight)

PARAMETER	VALUE
Test equipment - dust chamber	
Dust specification	Talcum powder, particle size max. 75 µm.
Test cycle	6s Movement of the air-dust mixture 15 min break
Number of cycles	20
Test instrument - wire probe	
Wire probe diameter (mm)	1
Test force (N)	1 ± 10 %

Test Category: IPX9K - High-pressure steam jet cleaning

PARAMETER	VALUE
Test instrument	4 nozzles at 0°, 30°, 60° und 90°
Water temperature (°C)	80 ± 5
Water pressure (kPa)	8000 to 10000 (80 - 100 bar)
Water flow rate (l/min)	14 to 16
Speed of the turntable (r/min)	5
Spray angle	0°, 30°, 60° and 90°
Duration at each spray position (s)	30
Distance of the test object from the spray nozzles (mm)	100 to 150