

# VACUUM BALL BEARINGS

## Vacuum Feedthroughs

### PROPERTIES

- ◆ Especially suited for clean vacuum applications and extreme residual gas requirements
- ◆ With shields (non-rubbing seals)
- ◆ With dry lubrication
- ◆ Bearing clearance



### SELECTION DATA

Service life <sup>1)</sup> (revolutions)		> 20 Mio.
Pressure (absolute)	mbar	$1 \times 10^{-12} \dots 1 \times 10^{-2}$
Operating temperature <sup>2)</sup>	°C	-200 ... +300
Material		stainless steel 440C/1.3543, 304/1.4301

### ORDERING INFORMATION

Type	624	605	626	608	6000	6001
Part No.	214-211	214-212	214-213	214-214	214-215	214-216

### SPECIFICATIONS

		624	605	626	608	6000	6001
Rotational speed at							
20 °C	rpm	5000	4000	3000	2500	2000	1500
300 °C	rpm	1500	1500	1000	800	500	300
Load capacity <sup>3)</sup>							
Static C0	N	400	400	800	1000	1500	2000
Dynamic C	N	50	50	100	150	200	250
Axial load		<<C	<<C	<<C	<<C	<<C	<<C
Fit according to ISO		G6 / f6	G6 / f6	G6 / f6	G6 / f6	G6 / f6	G6 / f6
Weight	g	3	4	8	13	20	25

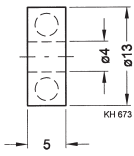
<sup>1)</sup> At half load and > 1000/min

<sup>2)</sup> At -200 °C reduction of tenacity

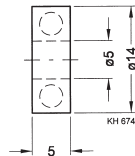
<sup>3)</sup> At 20 °C; half value at 300 °C

## DIMENSIONS

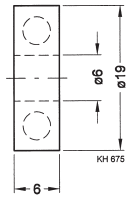
214-211



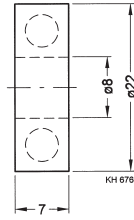
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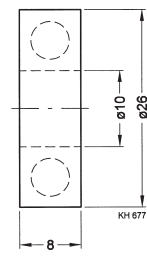
214-213



214-214



214-215



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