

**PRODUCT CODE**

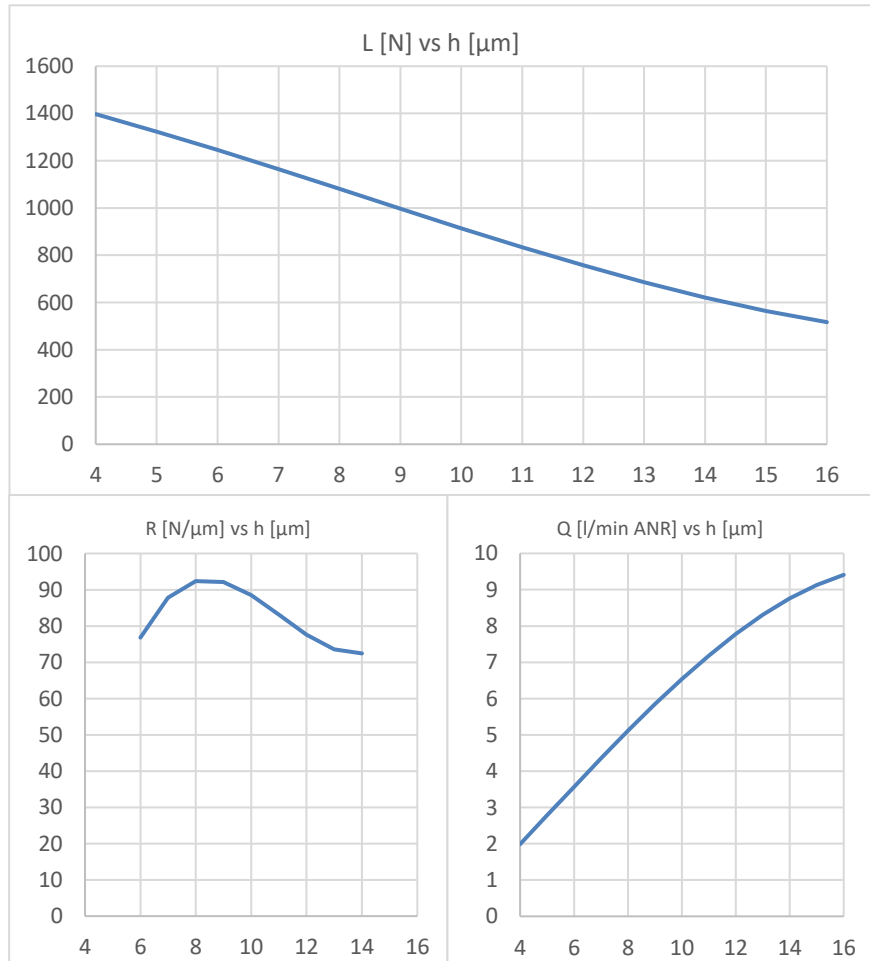
**PRODUCT DESCRIPTION**

**WF10100P09000**

**HPR3.0 FLAT RECTANGULAR AIR BEARING 050x100x21**

performances @ 4 bar air supply

AIR GAP <i>h</i>	LOAD <i>L</i>	STIFFNESS <i>R</i>	AIR CONSUMPTION <i>Q</i>
[ $\mu\text{m}$ ]	[N]	[N/ $\mu\text{m}$ ]	[l/min ANR]
4	1397		2,0
5	1324		2,8
6	1245	77	3,6
7	1164	88	4,4
8	1081	92	5,1
9	997	92	5,8
10	914	88	6,5
11	834	83	7,2
12	757	78	7,8
13	686	74	8,3
14	621	72	8,8
15	564		9,1
16	517		9,4



TOLERANCES FOR ALL VALUES:  $\pm 10\%$

$$L = L(h) = 1508,7 + 28,776h - 12,467h^2 + 0,42854h^3 \quad (\text{valid for } h \text{ from } 4\mu\text{m to } 16\mu\text{m})$$



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Air Bearings



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