

**PRODUCT CODE**

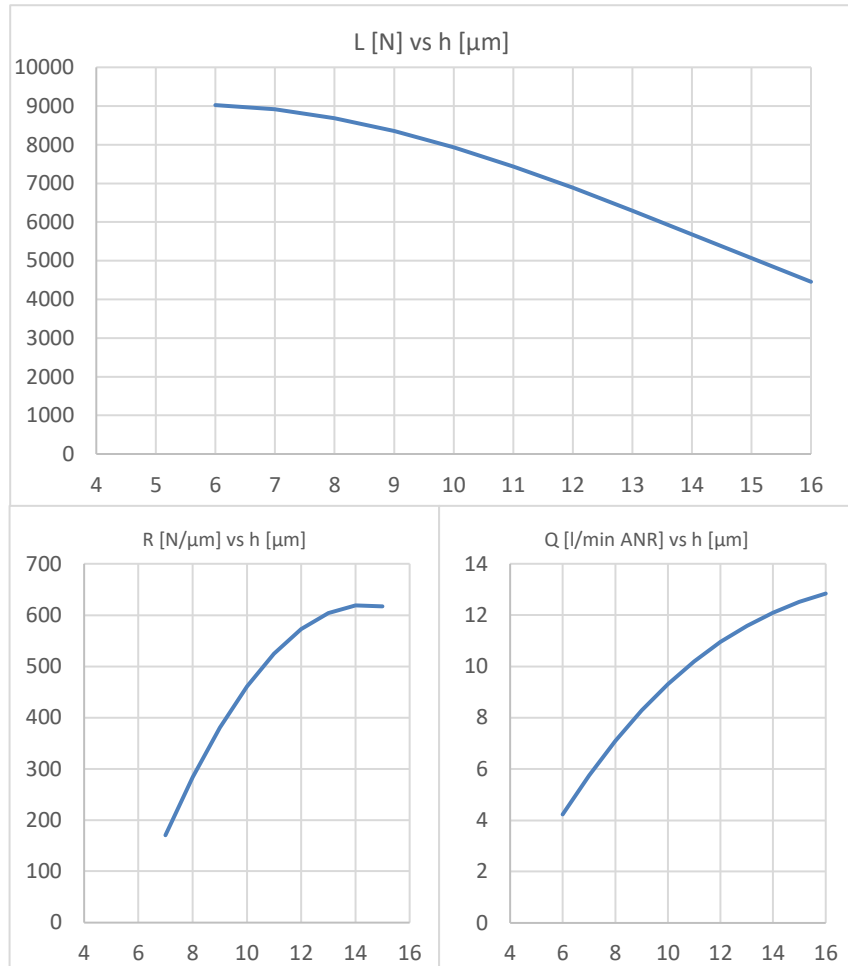
**PRODUCT DESCRIPTION**

**WF10100P21000**

**HPR5.6 FLAT RECTANGULAR AIR BEARING 130x265x55**

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			
5			
6	9022		4,2
7	8914	171	5,8
8	8686	284	7,1
9	8352	381	8,3
10	7930	461	9,3
11	7436	525	10,2
12	6885	573	11,0
13	6296	604	11,6
14	5683	619	12,1
15	5064	617	12,5
16	4454		12,8



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

$$L = L(h) = 6200 + 1080h - 118h^2 + 2,73h^3 \quad (\text{valid for } h \text{ from } 6\mu\text{m to } 16\mu\text{m})$$

$$h = h(L) = 46,59 - 0,01359L + 0,000002002L^2 - 0,0000000001097L^3$$



rel. 2020-12-09