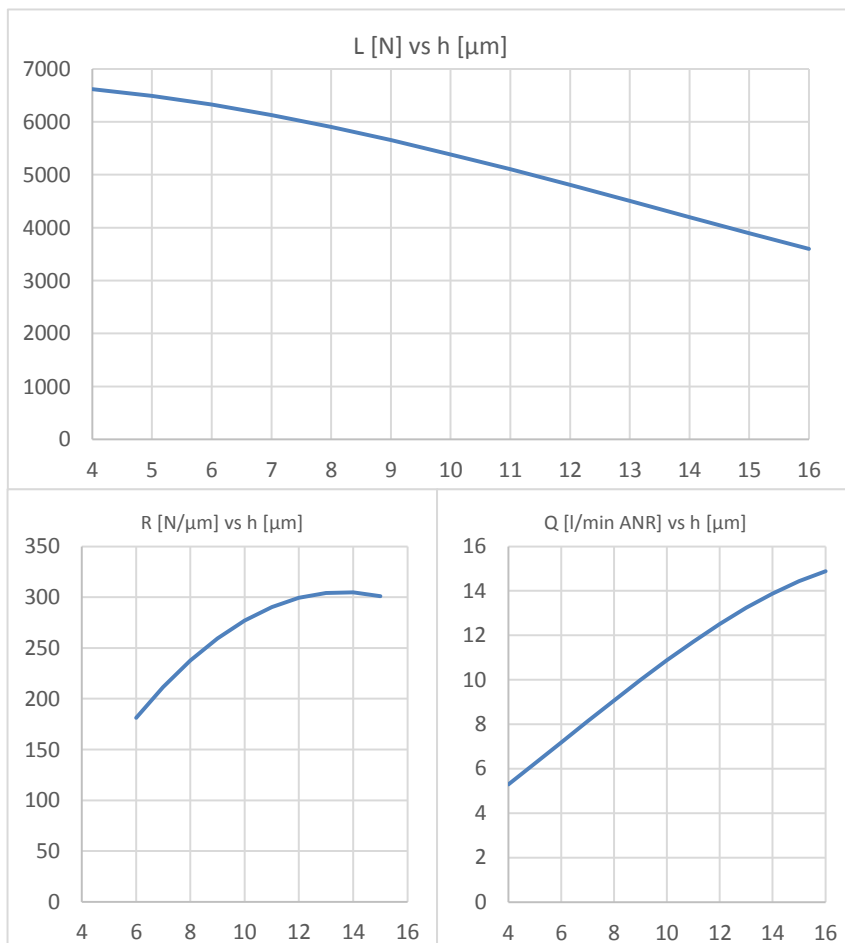


**PRODUCT CODE**
**PRODUCT DESCRIPTION**
**WF10100P18000**
**HPR5.0 FLAT RECTANGULAR AIR BEARING 100x224x43**

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	6618		5,3
5	6490	147	6,2
6	6325	181	7,2
7	6128	212	8,1
8	5903	238	9,1
9	5655	259	10,0
10	5386	277	10,9
11	5102	290	11,7
12	4807	299	12,5
13	4505	304	13,2
14	4200	305	13,9
15	3897	301	14,4
16	3599		14,9


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

$$L = L(h) = 6679 + 88,82h - 28,86h^2 + 0,7052h^3$$

 (valid for  $h$  from 4  $\mu\text{m}$  to 16  $\mu\text{m}$ )

$$h = h(L) = 52,74 - 0,0199L + 0,00000365L^2 - 0,000000002649L^3$$



rel. 2020-12-09

**MAGER S.r.l.**  
Air Bearings

 via Luigi Cavaglià, 27 - 10020 CAMBIANO (TO) - ITALY  
phone +39-011-9441974

[www.mager-ab.it](http://www.mager-ab.it)
[tech-comm@mager-ab.it](mailto:tech-comm@mager-ab.it)