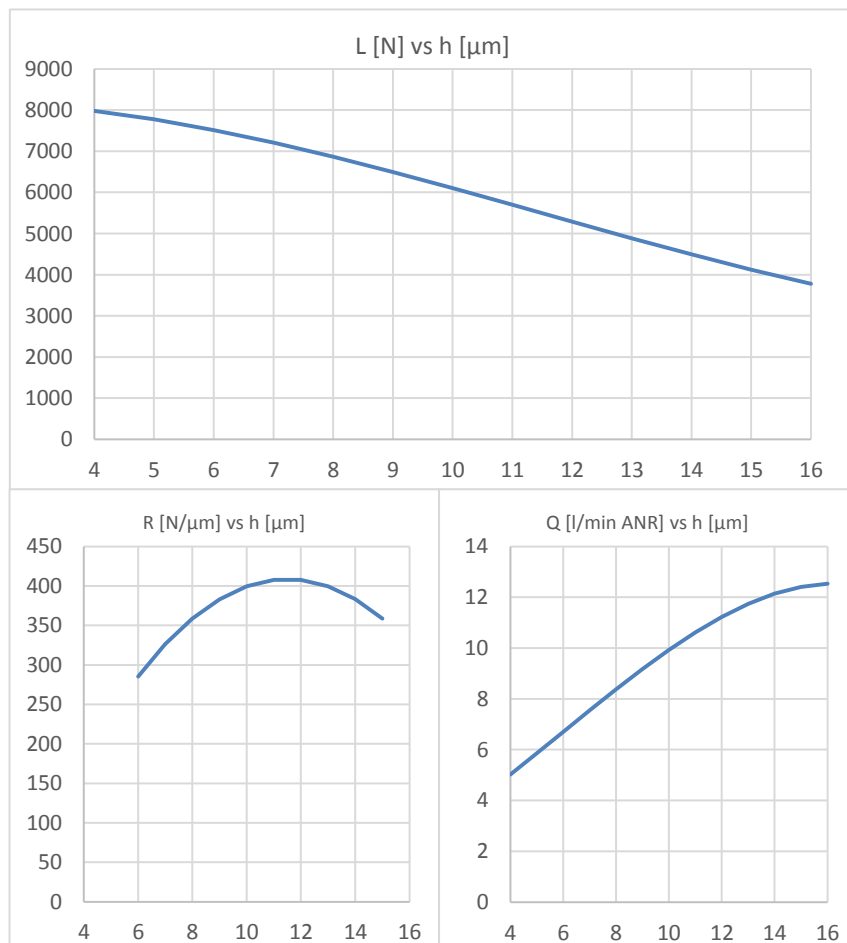


PRODUCT CODE
PRODUCT DESCRIPTION
WF10100P20000
HPR5.4 FLAT RECTANGULAR AIR BEARING 115x254x50

performances @ 4 bar air supply

AIR GAP h	LOAD L	STIFFNESS R	AIR CONSUMPTION Q
[μm]	[N]	[N/ μm]	[l/min ANR]
4	7985		5,0
5	7777	236	5,9
6	7515	285	6,7
7	7209	326	7,5
8	6866	359	8,4
9	6494	383	9,2
10	6102	399	9,9
11	5698	408	10,6
12	5290	408	11,2
13	4886	400	11,7
14	4494	383	12,1
15	4122	359	12,4
16	3779		12,5


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

$$L = L(h) = 8126,20673007477 + 130,51739822745h - 46,87255197h^2 \quad \text{valid for } h \text{ from } 4 \mu\text{m to } 16 \mu\text{m}$$

$$h = h(L) = 40,42 - 0,01109L + 0,000001593L^2 - 0,00000000009693L^3$$



rel. 2020-12-09

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