

PRODUCT CODE

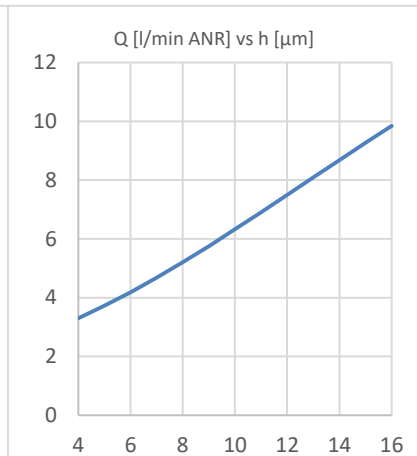
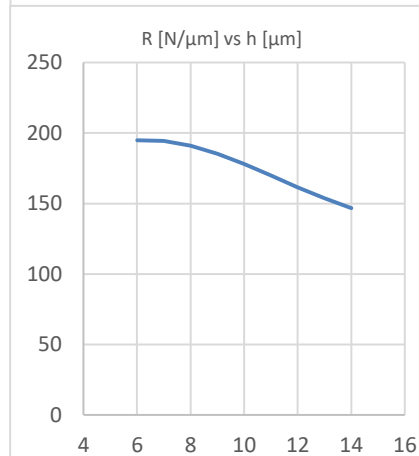
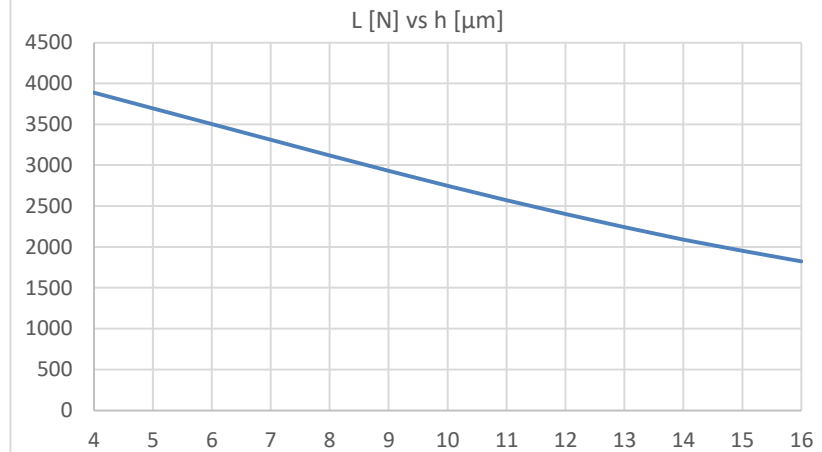
PRODUCT DESCRIPTION

WF10100P15000

HPR4.2 FLAT RECTANGULAR AIR BEARING 085x186x32

performances @ 4 bar air supply

AIR GAP h [μm]	LOAD L [N]	STIFFNESS R [N/ μm]	AIR CONSUMPTION Q [l/min ANR]
4	3887		3,3
5	3695		3,7
6	3502	195	4,2
7	3309	194	4,7
8	3118	191	5,2
9	2931	185	5,8
10	2748	178	6,3
11	2571	170	6,9
12	2402	162	7,5
13	2241	154	8,1
14	2090	147	8,7
15	1951		9,3
16	1824		9,8



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

$$L = L(h) = 4622,3 - 172,4h - 3,735h^2 + 0,2237h^3 \quad (\text{valid for } h \text{ from } 6\mu\text{m to } 16\mu\text{m})$$

$$h = h(L) = 37,75 - 0,01738L + 0,000003638L^2 - 0,0000000003607L^3$$



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