

PRODUCT CODE

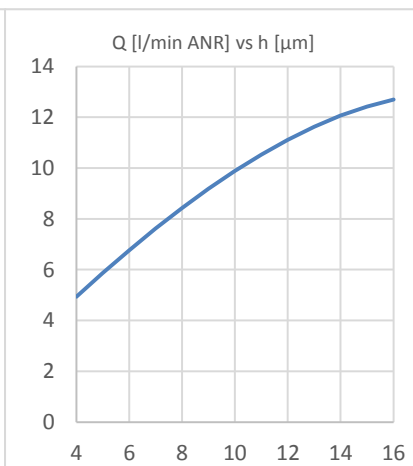
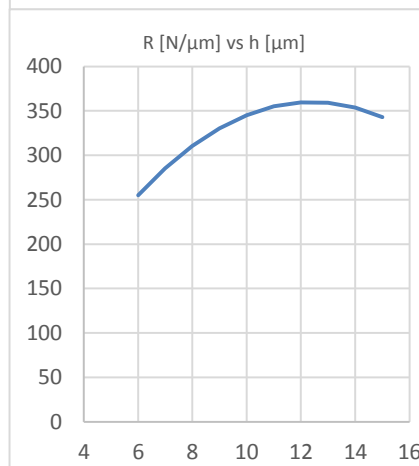
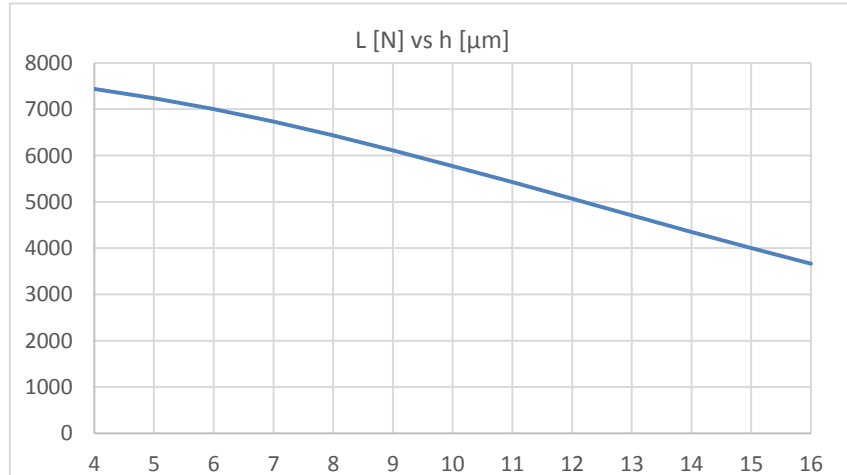
PRODUCT DESCRIPTION

WF10100P19000

HPR5.2 FLAT RECTANGULAR AIR BEARING 115x230x45

performances @ 4 bar air supply

AIR GAP <i>h</i> [μm]	LOAD <i>L</i> [N]	STIFFNESS <i>R</i> [N/μm]	AIR CONSUMPTION <i>Q</i> [l/min ANR]
4	7441		4,9
5	7241	220	5,9
6	7003	255	6,8
7	6732	285	7,6
8	6434	310	8,4
9	6113	330	9,2
10	5775	345	9,9
11	5424	355	10,5
12	5067	360	11,1
13	4707	359	11,6
14	4350	354	12,1
15	4001	343	12,4
16	3665		12,7



TOLERANCES FOR ALL VALUES: ±10%

$$L = L(h) = 7759 + 33,44h - 31,7h^2 + 0,851h^3$$

(valid for *h* from 4 μm to 16 μm)

$$h = h(L) = 38,81 - 0,01058L + 0,00001574L^2 - 0,000000001049L^3$$



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