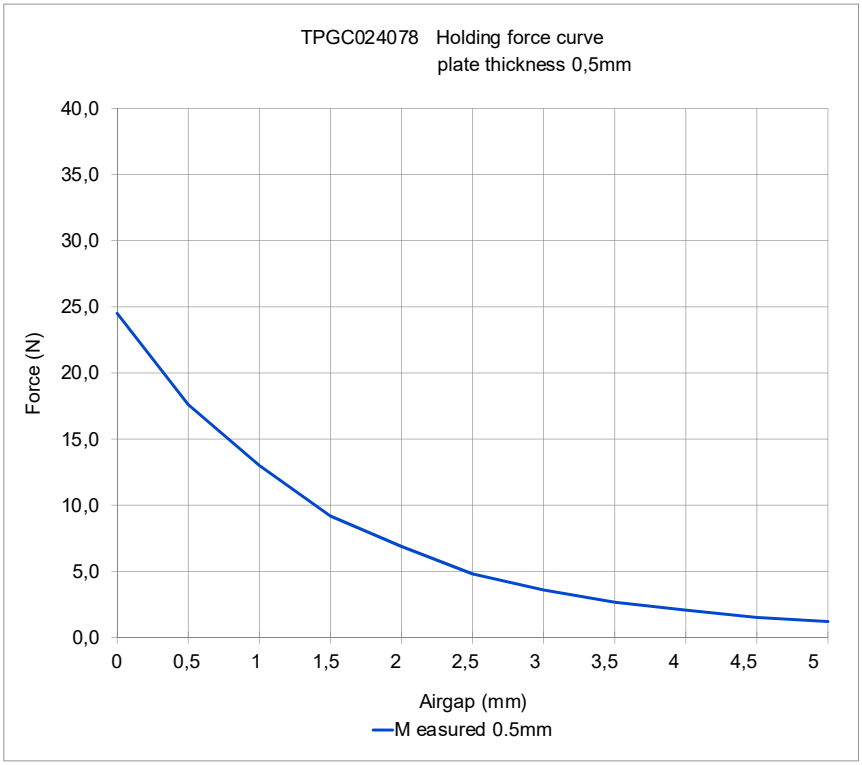
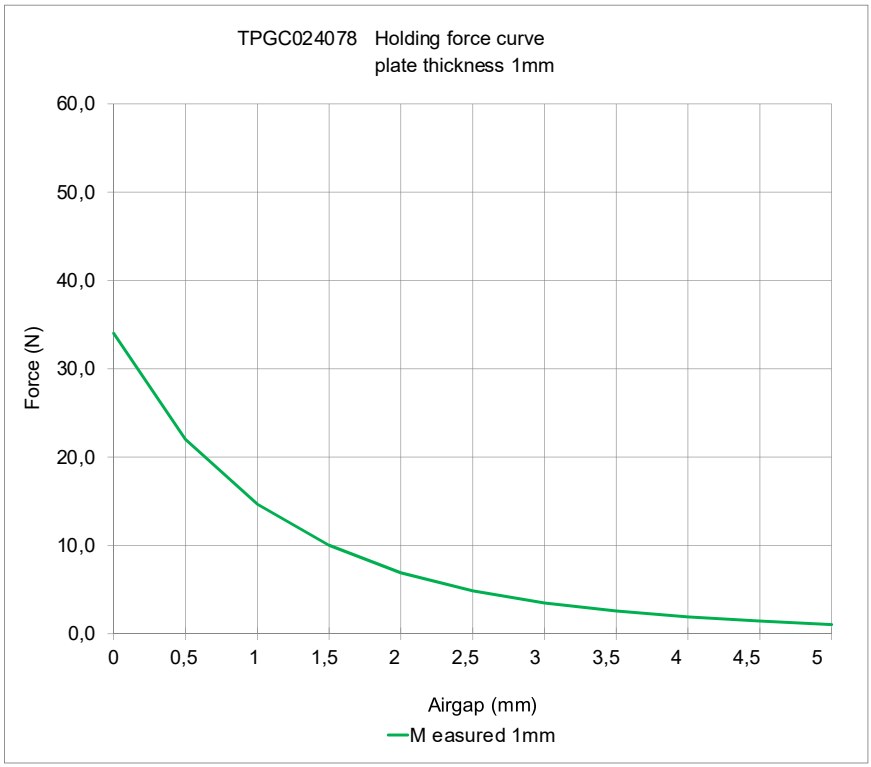
Material thickness 0,5 mm Ra 1,03 µm Material St37-2 (S235JR)

Air gap distance (mm)	Measured force (N)
0	24,5
0,5	17,6
1	13,0
1,5	9,2
2	6,9
2,5	4,8
3	3,6
3,5	2,7
4	2,1
4,5	1,5
5	1,2



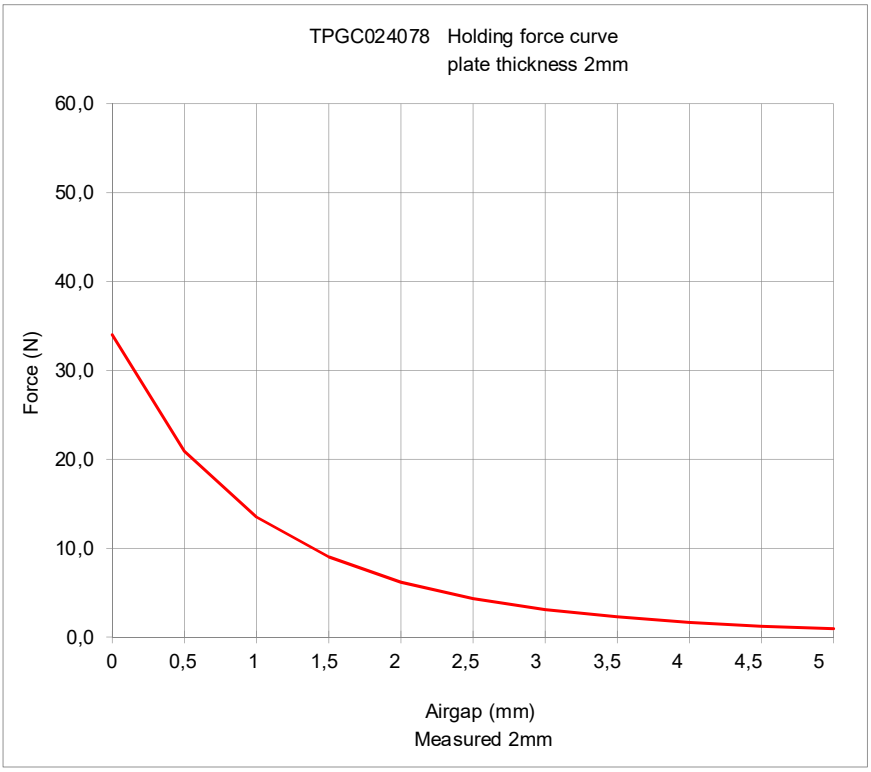
Material thickness 1 mm Ra 1,33 µm Material St37-2 (S235JR)

Air gap distance (mm)	Measured force (N)
0	34,0
0,5	22,0
1	14,7
1,5	10,0
2	6,9
2,5	4,9
3	3,5
3,5	2,6
4	1,9
4,5	1,4
5	1,1



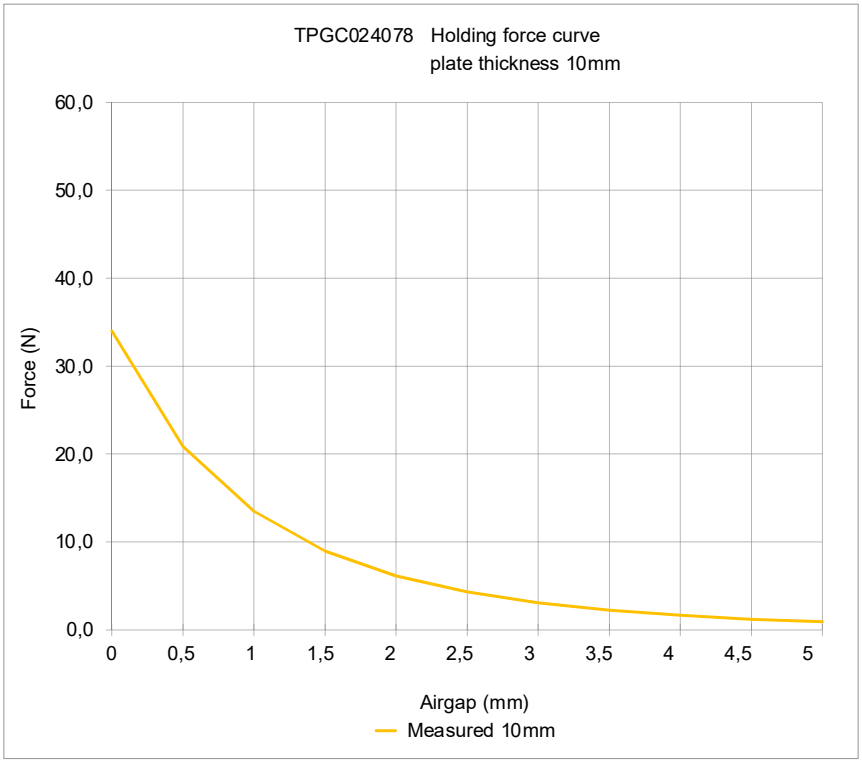
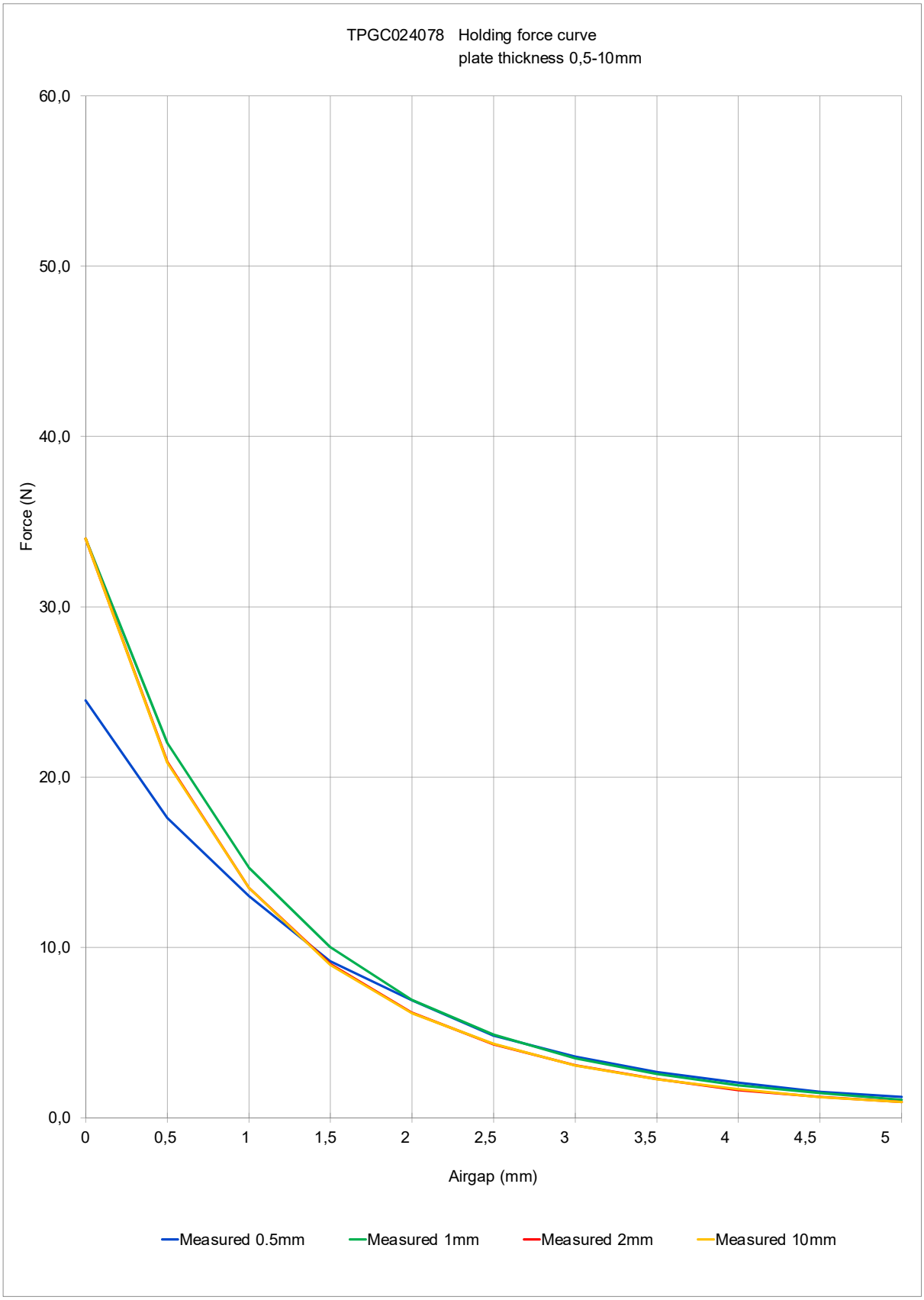
Material thickness 2 mm Ra 1,54 µm Material St37-2 (S235JR)

Air gap distance (mm)	Measured force (N)
0	34,0
0,5	20,9
1	13,5
1,5	9,0
2	6,2
2,5	4,3
3	3,1
3,5	2,3
4	1,6
4,5	1,2
5	0,9



Material thickness 10 mm Ra 3,83 µm Material St37-2 (S235JR)

Air gap distance (mm)	Measured force (N)
0	34,0
0,5	20,9
1	13,5
1,5	9,0
2	6,1
2,5	4,3
3	3,1
3,5	2,3
4	1,7
4,5	1,2
5	0,9



Material thickness 0,6 – 10 mm