# STANDARD SUCTION PLATES PX and P2X FOR OCTOPUS GRIPPING BARS

The suction plates PX described on this page are installed as standard on all OCTOPUS gripping bars and, therefore, can be supplied as a spare or replacement part.
They are made with anodised aluminium sheets with calibrated holes equidistant from each other and coated with a special perforated foam rubber with two different thicknesses: 20 mm for suction plates of the PX range and 30 mm for special plates P2X. Their lifting force was calculated considering a level of vacuum of at least -75 Kpa, the total surface of the holes within the foam rubber and a factor of safety 3.
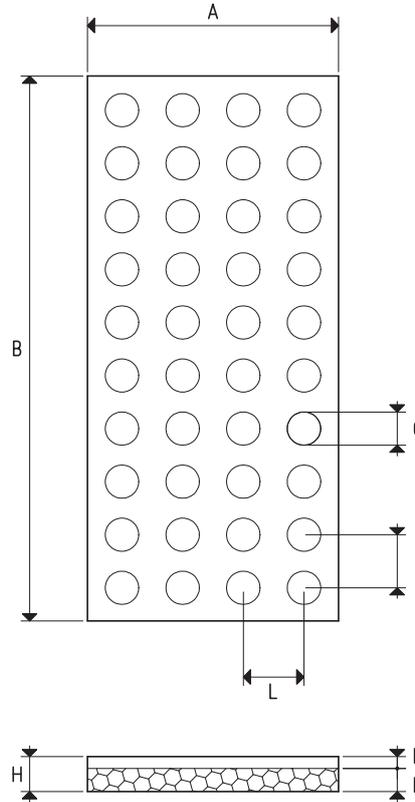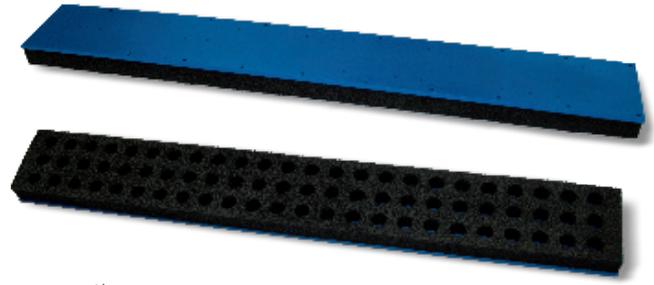
Item	Force Kg	A	B	C Ø	E	F	H	Holes No.	I	L	Only rubber item	Weight Kg
PX 08 60	31.7	80	600	15	5	20	25	72	24	24	00 BO 12	0.70
PX 08 80	42.2	80	800	15	5	20	25	96	24	24	00 BO 18	0.94
PX 08 100	54.1	80	1000	15	5	20	25	123	24	24	00 BO 97	1.06
PX 08 120	64.7	80	1200	15	5	20	25	147	24	24	00 BO 101	1.12
PX 12 40	25.7	120	400	20	5	20	25	33	34	35	00 BO 68	0.70
PX 12 60	42.2	120	600	15	5	20	25	96	24	24	00 BO 27	1.06
PX 12 80	56.3	120	800	15	5	20	25	128	24	24	00 BO 05	1.41
PX 12 100	72.2	120	1000	15	5	20	25	164	24	24	00 BO 36	1.75
PX 12 120	86.2	120	1200	15	5	20	25	196	24	24	00 BO 40	2.11
PX 12 140	100.3	120	1400	15	5	20	25	228	24	24	00 BO 63	2.47
P2X 08 60	31.7	80	600	15	5	30	35	72	24	24	00 BO 79	0.72
P2X 08 80	42.2	80	800	15	5	30	35	96	24	24	00 BO 80	0.96
P2X 08 100	54.1	80	1000	15	5	30	35	123	24	24	00 BO 106	1.10
P2X 08 120	64.7	80	1200	15	5	30	35	147	24	24	00 BO 107	1.18
P2X 12 40	25.7	120	400	20	5	30	35	33	34	35	00 BO 81	0.78
P2X 12 60	42.2	120	600	15	5	30	35	96	24	24	00 BO 82	1.10
P2X 12 80	56.3	120	800	15	5	30	35	128	24	24	00 BO 83	1.45
P2X 12 100	72.2	120	1000	15	5	30	35	164	24	24	00 BO 84	1.80
P2X 12 120	86.2	120	1200	15	5	30	35	196	24	24	00 BO 85	2.17
P2X 12 140	100.3	120	1400	15	5	30	35	228	24	24	00 BO 86	2.54

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Transformation ratio: N (newton) = Kg x 9.81 (force of gravity)   inch = $\dfrac{mm}{25.4}$; pounds = $\dfrac{g}{453.6}$ = $\dfrac{Kg}{0.4536}$