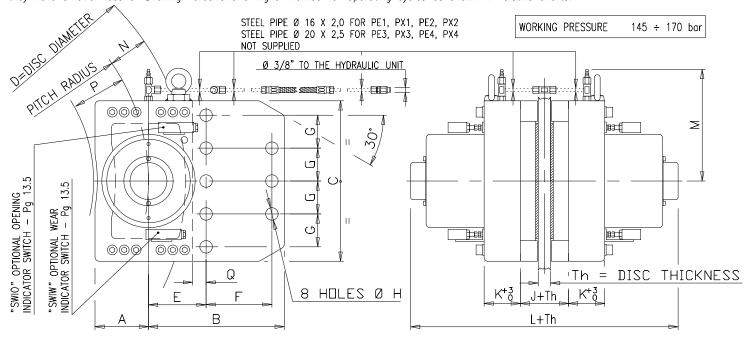
GALVI CALIPERS PE AND PX HYDRAULICALLY OPERATED EMERGENCY CALIPERS



PE PX - TECHNICAL DATA SHEET

PE PX-01

The GALVI PE and PX Calipers have been specially designed for static or emergency applications on discs with max peripheral speed of 7 m/s. Closing is actuated by two sets of disc springs housed in the cylinders while opening is performed at ahydraulic pressure of 145 bar. Thanks to their special features these Calipers can be adapted to any disc thickness, however they do not allow axial displacement of the disc, nor can they ensure perfect balance of the forces exerted on the brake pads unless the two sets of disc springs have an identical setting. These Calipers can be operated by the GALVI EMEHYD hydraulic units equipped with accumulator. The PX calipers are provided with more springs than the PE calipers. Therefore besides allowing a greater brakepad opening stroke, they have a lower loss of Braking Force and a higher number of operating cycles as shown in relative charts.



BRAKING TORQUE = BRAKING FORCE · PITCH RADIUS /1000 [daN·m]																		
CALIPER TYPE	BRAKING 1) FORCE (daN)	D = DIA. OF DISCS FROM-TO	C LEAR. EAC H PAD	А	В	С	E	F	G	Н	J	K+3	L	М	N	Р	Q	2) 3) cm MASS (kg)
PE1-110 PX1-110 PE1-120	11000		1.0 1.4 1.0										513 565 513					29 201 40 211 29 201
PX1-120	12000	800 ÷ ∞	1.4	105	280	315	115	140	65	25	70	67	565] 240	75	108	26	40 211
PE1-130 PX1-130	13000		0.9 1.2										513 565					26 201 34 211
PE2-140 PX2-140	14000	1000 ÷ ∞	1.0	117	305	340	125	150	70	28	83	75	530 579	250	83	120	30	37 255 51 277
PE2-150 PX2-150	15000		1.0 1.4										530 579					37 255 51 277
PE2-160 PX2-160	16000		0.9 1.2										530 579					33 255 44 277
PE3-180 PX3-180	18000	1200 ÷ ∞	1.2 1.5		330	410	140	160	80	31	88	95	587 649	275 95			61 386 76 405	
PE3-200 PX3-200	20000		1.2 1.5	1.2 1.5 1.0 1.3									587 649		95	140	33	61 386 76 405
PE3-220 PX3-220	22000												587 649					51 386 66 405
PE4-230 PX4-230	23000		1.4 1.8										753 831					95 620 122 650
PE4-250 PX4-250	25000	1200 ÷ ∞	1.4	165	380	450	170	175	85	37	107	115	753 831	300	110	170	45	95 620 122 650
PE4-270 PX4-270	27000		1.2 1.6										753 831					81 620 108 650

1) The Braking Forces have a tolerance of ± 5% 2) Oil volume with nominal brake pad opening 3) Mass referred to two half calipers without support

