

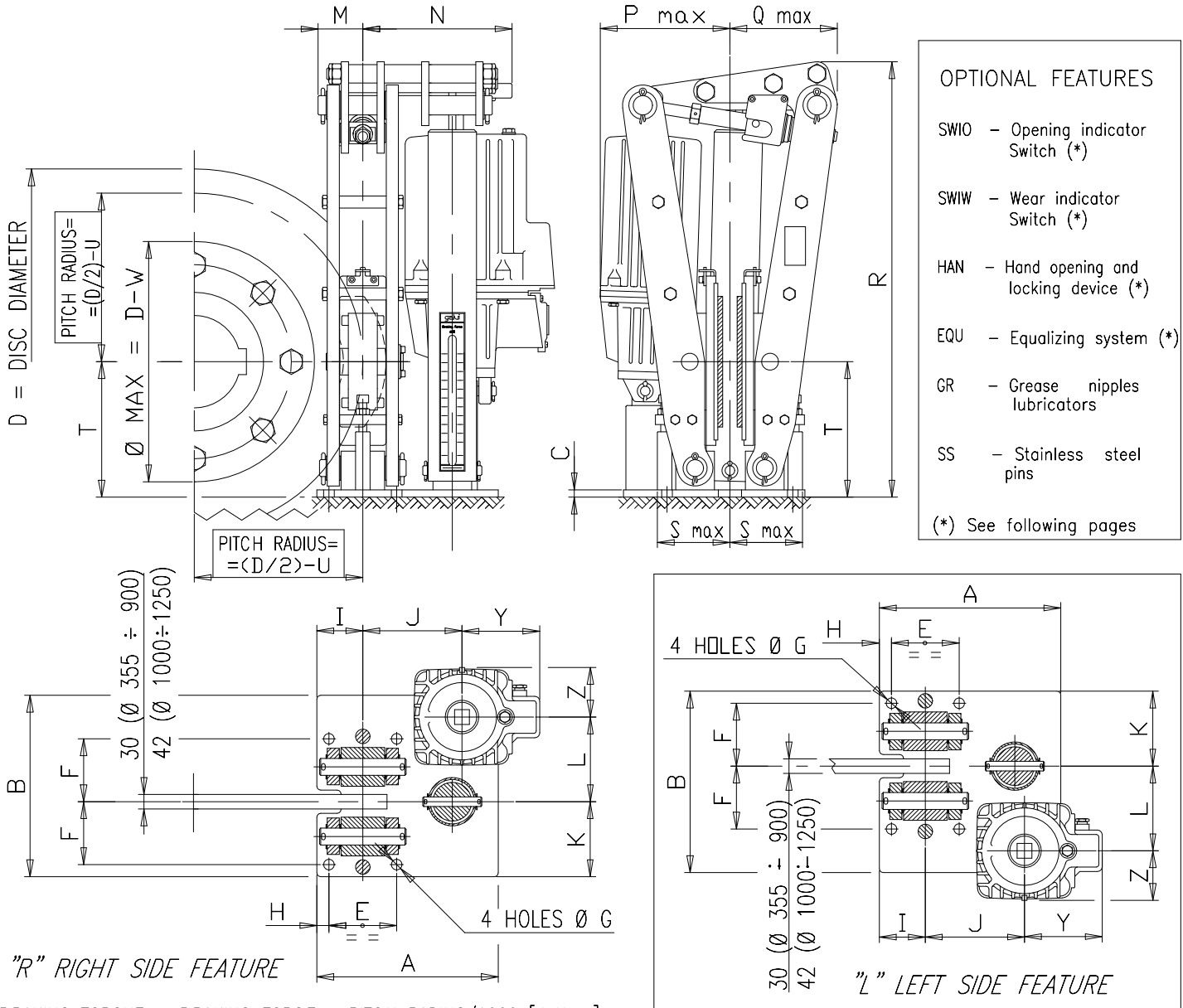
GALVI CALIPERS *PC-HYD* WITH HYDRO ELECTRO-HYDRAULIC THRUSTOR



PC-HYD - TECHNICAL DATA SHEET

PC-01

The GALVI *PC-HYD* Calipers for disc brakes are fitted with HYDRO electro-hydraulic Thrustors. The floating pads will align automatically with the disc eliminating axial load in the event of positioning error and/or disc defect. The system is provided with automatic wear adjusting device and the facility to adjust the Braking Force within a wide range.

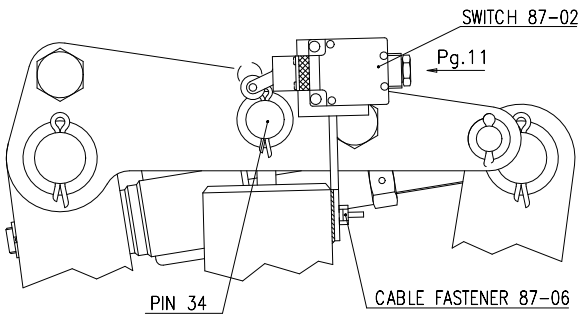
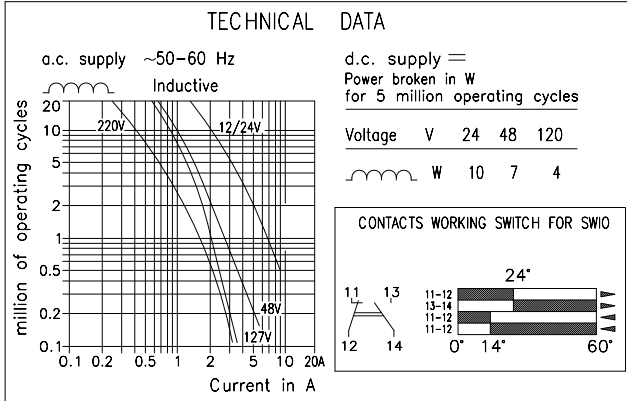


BRAKING TORQUE = BRAKING FORCE • PITCH RADIUS/1000 [daN•m]

CALIPER TYPE	BRAKING FORCE (daN)	DIAMETER OF DISCS FROM-TØ	A	B	C	E	F	G	H	I	J	K	L	M	N	P max	Q max	R	S max	T	U	W	Y	Z	MASS (kg)	
PC61ED023R (L)	80 ÷ 280	355 ÷ 630	300	300	15	120	80	18	20	80	150	100	140	72	290	250	180	670	120	230	40	200	120	80	77	
PC61ED030R (L)	100 ÷ 380															250										117
PC61ED050R (L)	200 ÷ 600															265										157
PC61ED080R (L)	350 ÷ 900															265										157
PC71ED050R (L)	250 ÷ 700	450 ÷ 500	375	375	15	140	130	22	25	95	205	155	175	95	340	303	222	900	160	280	50	240	148	120	175	
PC71ED080R (L)	300 ÷ 1050															303										157
PC71ED121R (L)	300 ÷ 1800															325										148
PC71ED201R (L)	600 ÷ 2500															325										148
PC71ED301R (L)	1000 ÷ 3600	560 ÷ 800	375	375	15	140	130	22	25	95	205	155	175	95	340	303	222	900	160	280	50	240	148	120	175	
PC72ED080R (L)	300 ÷ 1050															303										157
PC72ED121R (L)	300 ÷ 1800															325										148
PC72ED201R (L)	600 ÷ 2500															325										148
PC72ED301R (L)	1000 ÷ 3600	630 ÷ 710	410	460	20	160	180	27	30	110	225	230	187	115	373	337	260	1130	190	370	65	325	148	120	300	
PC81ED301R (L)	800 ÷ 3800															337										148
PC82ED201R (L)	600 ÷ 2500															337										148
PC82ED301R (L)	800 ÷ 3800															337										148
PC83ED201R (L)	600 ÷ 2500	1000 ÷ 1250	410	460	20	160	180	27	30	110	225	230	187	115	373	337	260	1130	190	370	65	325	148	120	300	
PC83ED301R (L)	800 ÷ 3800															337										148

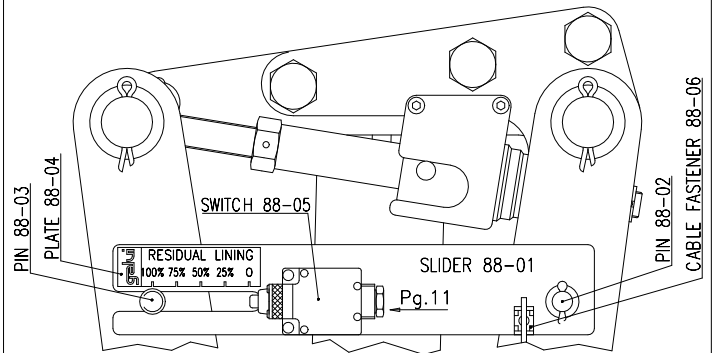
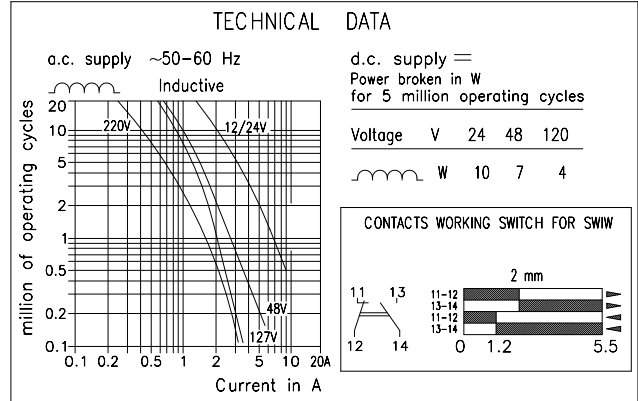
SWIO OPEN POSITION SIGNALLING SYSTEM

When the Caliper is energised, the actuator pin 34 rises and brings the roller of the switch into upper position, thereby closing the electrical contacts. When the Caliper is de-energised and the actuator descends, the roller of the switch returns to the quiescent position and the electrical contacts are opened.



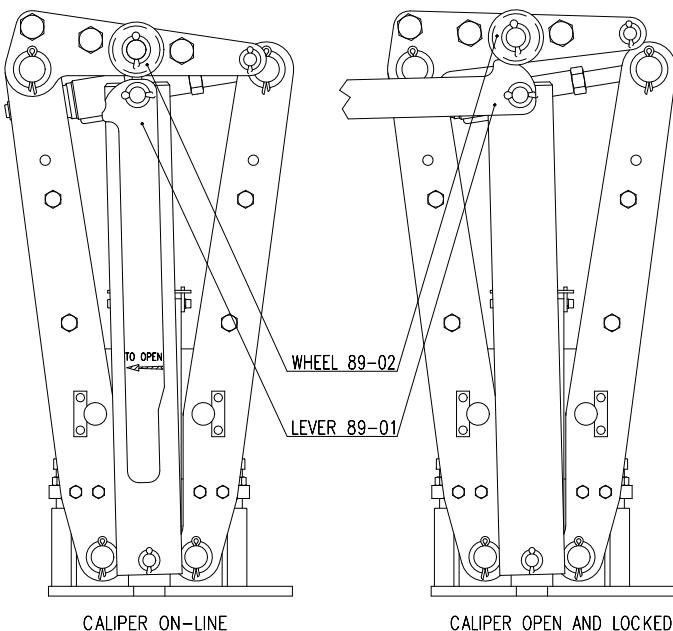
SWIW WEAR INDICATOR SYSTEM

Slider 88-01 is pinned on the lever by means of pin 88-02 and runs in the slot of pin 88-03 when the Caliper opens. Nameplate 88-04, referring to the vertical axis of pin 88-03, indicates the percentage of residual brake lining. When the brake linings reach their limit, push button of switch 88-05 is actuated by pin 88-03.



HAN MANUAL OPENING AND LOCKING SYSTEM

The system consists of lever 89-01 with an eccentric cam. When, for maintenance or other purposes, the Caliper has to be kept open, just shift lever up to obtain the required effect. When the lever is turned by 90°, i.e. to bring it into the horizontal position, the mechanism is located on wheel 89-02 and then the Caliper is kept in open position even the pressure ceases on lever 89-01. To return the Caliper into normal operating conditions, merely exert a light pressure on the lever downwards. In order to avoid problems, the mechanism is automatically disengaged as soon as the Thrustor is actuated.



EQU EQUALIZING SYSTEM

The geometry of Calipers *PC* is such as to create a force which in the brake open position, tends to open just one lever, while the opposite lever would keep its brake pad in contact with the rotating disc. The *EQU* equalizing system provides a definite solution to this problem because it equalizes the opening of the levers without needing any adjustment and independently of the wear on the brake linings. This system requires no maintenance and if it becomes necessary to replace the equalizing cylinders, such operation proves quick and economic.

