



- AIR:** air bleeder  
 **$F_{IN}$ :** fluid inlet  
 **$F_{RR}$ :** fluid recovery fitting  
**HPU:** length of closed jack  
 **$Li$ :** length of the jack with travel = 0  
 **$L_p$ :** ram total stroke  
 **$P_{APP}$ :** support plate  
 **$P_b$ :** nylon rope (to set verticality)  
 **$P_{osc}$ :** swivel plate  
 **$Q_{p0}$ :** weight of the jack with travel = 0  
 **$Q_{p1}$ :** additional weight for a meter of jack travel

PAPP		
$\varnothing d$	120÷150	180÷238
<b>E</b>	400	500
<b>F</b>	330	400
<b>S1</b>	30	35
<b><math>\varnothing H</math></b>	26	32

$\varnothing d$	$e_s$	$\varnothing D$	$e_{wall}$	$\varnothing Gc$	$\varnothing T$	N	S	$Li$	Ch	M	$Q_{p0}$	$Q_{p1}$	
[mm]											-	[kg]	[kg/m]
120	5	159,0	5,0	180	191	580					99	34	
	7,5											40	
	12											52	
130	5	177,8	5,6	200	217	600	30	250	46	M30	105	40	
	7,5											47	
	12											59	
140	5	193,7	5,9	220	235	580					129	40	
	7,5											48	
	12											61	
150	6	244,5	8,0	340	242	660	40	315	80	M60 x 3,5	164	49	
	10											62	
180	10	273,0	10,0	370	298						168	90	
200	10	323,9	12,5	420	354						305	112	
238	14											180	

For values not included in this table, ask to GMV