

# SPL

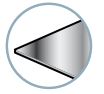
## Heavy Load Suction Cups



SPL suction cups are used to handle heavy loads such as sheet metal or glass panels. They have internal cleats allowing them to handle thin sheet metal without distorting them and for vertical handling (non-slip).

SPL suction cups are delivered without holes for fittings or you can choose from our range of standard models or specific models on request.

Industry-specific applications



Types of use



Materials

**NBR** Nitrile  
**Si** Silicone

### Suction Cup Characteristics

	Volume (cm <sup>3</sup> )	Force (lbf) (1)	Force (lbf) (1)	Ø A	H	Ø D	f (2)	NBR	Si	Fittings (3)	Weight (kg)
<b>SPL 240</b>	510	292	146	240	28	200	14	<b>SPL240NBR</b>	<b>SPL240SI</b>	Steel	2.2
<b>SPL 340</b>	720	617	308	340	32	300	15	<b>SPL340NBR</b>	<b>SPL340SI</b>	Steel	5.5
<b>SPL 400</b>	850	812	406	400	46	300	25	<b>SPL400NBR</b>	<b>SPL400SI</b>	Steel	7.6
<b>SPL 500</b>	1050	1299	649	500	46	400	25	<b>SPL500NBR</b>	-	Steel	12
<b>SPL 600</b>	1300	1786	893	600	46	500	25	<b>SPL600NBR</b>	-	Steel	18

(1) Actual force of the suction cup in use with 65% vacuum and including a safety factor of 2 for horizontal handling and a factor of 4 for vertical handling.

(2) f = Deflection of the suction cup.

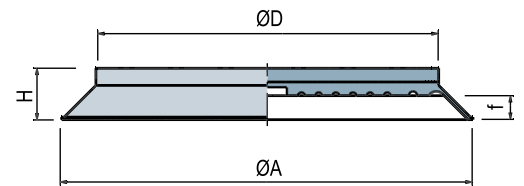
(3) Thickness of the steel fitting: 8 mm

### Standard internal threads

The threads given below are for mounting on the COVAL spring systems (not supplied with the suction cup).

RSC1: specify **G38 RS1** in the order number

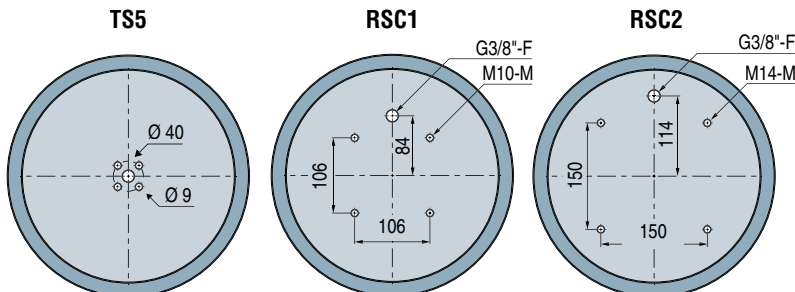
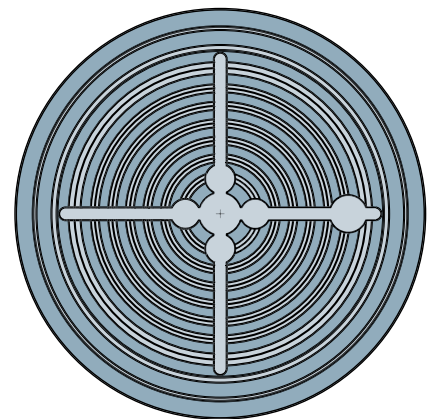
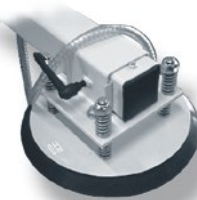
RSC2: specify **G38 RS2** in the order number



### Internal Thread

	TS5 + IFA 12120	RSC1 (1)	RSC2 (1)
<b>SPL 240</b>	■	■	-
<b>SPL 340</b>	■	■	■
<b>SPL 400</b>	-	-	■

(1) A G3/8" internal thread is available for connection to the vacuum system.



The values represent the average characteristics of our products.  
Note: All dimensions are in mm

### Accessories

Suction cups from the SPL series can be mounted on RSC series spring systems. SPL 240 suction cups can be mounted on the IFA 12 120 fitting and the TS560 spring system. See page 4/5.



**For all orders, please specify the part number from characteristics table and any required threadings**  
E.g.: **SPL240NBRG38RS1**