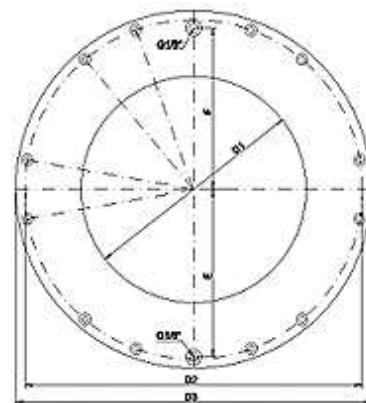


## Technical information RotoClamp

### RotoClamp released

The chamber formed between the two annular spring steel diaphragms is pressurised by compressed air and the diaphragm walls are forced to deflect outwards. This outward deflection, combined with the provision of an axially aligned slot around the internal radius of each diaphragm assembly, enables the clamp to move back to its original (released) position. The shaft is now free to move without resistance within this enlarged internal diameter. The increase in diameter is approx. 0.2 mm up to 100 mm inner diameter and approx. 0.3 mm above this size.




### RotoClamp clamped

This chamber between the two annular diaphragms is exhausted. The natural tendency of the diaphragm to return to their original positions brings the clamping surface back into contact with the shaft. In this condition the diaphragm springs are only lightly arched. The clamping force is once again increased by pressuring the outer chambers.

## Overview on Products

Type	D1	D2	D3	E	F	Clamping Torque of the steel-steel spring	Clamping Torque with the additional air pressure
	<mm> +0,02 +0,03	<mm> ±0,1	<mm>	<mm>	<mm>	<Nm>	<Nm>
RC 50 S	50	134	145	63.50	67.50	100	180
RC 60 S	60	144	155	68.50	72.50	190	350
RC 70 S	70	154	165	73.50	77.50	190	350
RC 80 S	80	164	175	78.50	82.50	250	450
RC 90 S	90	174	185	83.50	87.50	315	570
RC 100 N	100	210	228	103	103	400	700
RC 120 N	120	230	248	113	113	560	1000
RC 140 N	140	250	268	123	123	760	1400
RC 160 N	160	270	288	133	133	1000	1800
RC 180 N	180	290	308	137	143	1250	2300
RC 200 N	200	310	328	147	153	1550	2800
RC 220 N	220	330	348	157	163	1850	3400
RC 240 N	240	350	368	167	173	2250	4000
RC 260 N	260	370	388	177	183	2600	4700
RC 280 N	280	390	408	187	193	3000	5400
RC 300 N	300	410	428	197	203	3500	6200
RC 320 N	320	430	448	207	213	3900	7000
RC 340 N	340	450	468	217	223	4300	7800

 Booklet – RotoClamp (124.3 kB, Adobe Acrobat document)

