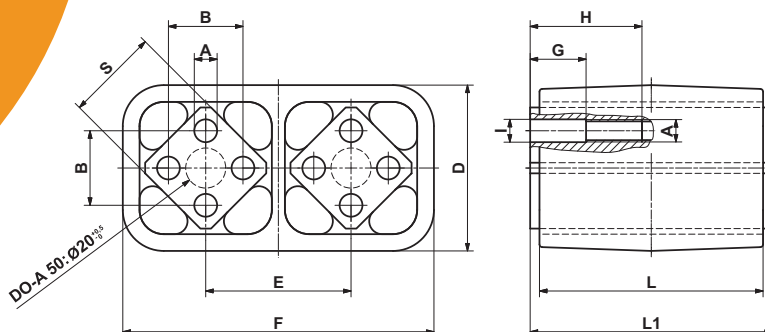


Spring Accumulators

Type DO-A



Oscillating Mountings

Art. No.	Type	C_s [N/mm]	A	B ± 0.5	D	E	F	ϕI	$\square S$	G	H	L	L1 $\frac{0}{-0.3}$	Weight [kg]	Material structure
01 041 013	DO-A 45 x 80	100	12 ± 0.5	35	85	73	150	-	45	-	-	80	90	1.9	Light metal profile, ROSTA blue painted
01 041 014	DO-A 45 x 100	125								-	-	100	110	2.3	
01 041 016	DO-A 50 x 120	190	M12	40	ca. 89	78	ca. 168	12.25	50	30	60	120	130	5.5	Light metal profile,
01 041 019	DO-A 50 x 160	255								30	60	160	170	7.4	nodular cast iron,
01 041 017	DO-A 50 x 200	320								40	70	200	210	8.5	ROSTA blue painted

C_s = dynamic spring value of the complete accumulator by oscillating angle of $\pm 5^\circ$ and revolutions n_s between 300–600 min⁻¹
1 spring accumulator is always consisting of 2 pcs. DO-A elements!

Operating parameters

Angle of oscillation DO-A (series connection)	Accumulator cons. of 2 x DO-A 45				Accumulator cons. of 2 x DO-A 50			
	R	sw	max. n_s	max. K	R	sw	max. n_s	max. K
$\pm 6^\circ$	15.3	30.6	360	2.2	16.4	32.8	340	2.1
$\pm 5^\circ$	12.8	25.6	500	3.6	13.6	27.2	470	3.4
$\pm 4^\circ$	10.2	20.4	740	6.2	10.9	21.8	700	6.0



Installation guidelines

The connection structures (forks) between the ROSTA DO-A elements have to be provided by the customer. The two side plates have to stay **right-angled** (90°) in regard to the DO-A element axis. It is recommendable to weld a cross bracing (V) between the side plates.

The two DO-A elements of the accumulator have to stay **parallel** to each other and also **parallel** to the rocker arms of the trough. Their fixation on trough and base frame shall be made by means of a stiff fork structure. The fixation of the DO-A elements (on inner element section) shall be made with shoulder studs.

