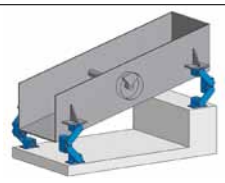
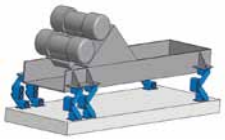
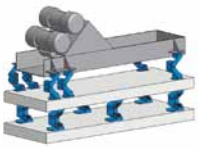
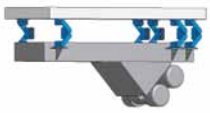
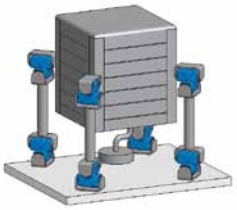
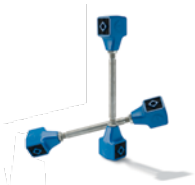
Selection table for free oscillating systems (with unbalanced excitation)

		 One-mass system circular screen	 One-mass system linear screen	 Two-mass system with counterframe	 One-mass system hanging linear screen
	**AB** p. 11	**Oscillating mounting** universal mounting. High vibration isolation and low residual force transmission. Natural frequencies approx. 2–3 Hz. 9 sizes from 50 N to 20'000 N per AB.			
	**AB-HD** p. 12	**Oscillating mounting** for impact loading and high production peaks. Natural frequencies approx. 2.4–3.2 Hz. 3 sizes from 3'500 N to 14'000 N per AB-HD.			
	**AB-D** p. 13		**Oscillating mounting** in compact design. Optimal in two-mass systems as counterframe mounting. Natural frequencies approx. 3–4.5 Hz. 7 sizes from 500 N to 16'000 N per AB-D.		
	**ABI** p. 14	**Oscillating mounting** made from stainless steel for the food and pharmaceutical industry. High vibration isolation and low residual force transmission. Natural frequencies approx. 2–3 Hz. 6 sizes from 70 N to 6'800 N per ABI.			
	**HS** p. 15				**Oscillating mounting** for hanging systems. Natural frequencies approx. 3–4 Hz. 5 sizes from 500 N to 14'000 N per HS.

Selection table for gyratory sifters

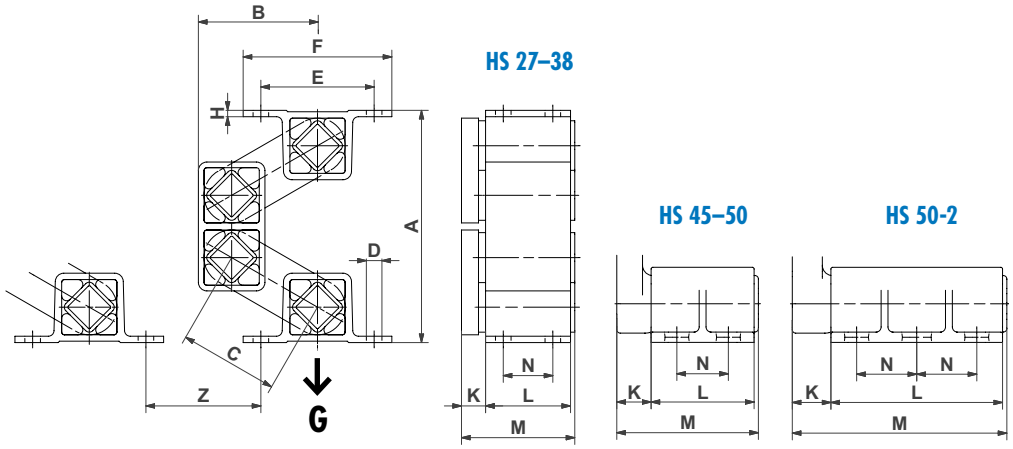
			Gyratory sifter upright staying	Gyratory sifter hanging
	**AK** *	**Universal joint** for the support or suspension of positive drive or freely oscillating gyratory sifting machines. 10 sizes up to max. 40'000 N per unit.		
	**AV** *	**Single joint** specially designed with large rubber volume for the suspension of gyratory sifting machines. Models with right- and left-hand threads. 5 sizes up to max. 16'000 N per unit.		

* Please consult our general catalogue.

ROSTA

Oscillating Mounting

Type HS



Art. No.	Type	Load capacity Gmin. – Gmax. [N]	A un-loaded	A* max. load	B un-loaded	B* max. load	C	D	E	F	H	K	L	M	N	Weight [kg]
07 311 001	**HS 27**	500 – 1'250	164	202	84	68	70	11	80	105	4.5	17	60	80	35	1.6
07 311 002	**HS 38**	1'200 – 2'500	223	275	114	92	95	13	100	125	6	21	80	104	40	4.9
07 311 003	**HS 45**	2'000 – 4'200	265	325	138	113	110	13 x 20	115	145	8	28	100	132	65	11.3
07 311 004	**HS 50**	3'500 – 8'400	288	357	148	118	120	17 x 27	130	170	12	40	120	165	60	20.2
07 311 005	**HS 50-2**	6'000 – 14'000	288	357	148	118	120	17 x 27	130	170	12	45	200	250	70	34.0

Art. No.	Type	Natural frequency Gmin.–Gmax. [Hz]	Z**	Dynamic spring value cd vertical [N/mm]	Dynamic spring value cd horizontal [N/mm]	Capacity limits by different rpm. 720 min^{-1} sw max. [mm]	720 min^{-1} K max. [–]	960 min^{-1} sw max. [mm]	960 min^{-1} K max. [–]	1440 min^{-1} sw max. [mm]	1440 min^{-1} K max. [–]	Light alloy profile	Steel welded construction	Nodular cast iron	ROSTA blue painted
07 311 001	**HS 27**	4.2–3.8	70	65	32	12	3.5	10	5.2	8	9.3	x	x		x
07 311 002	**HS 38**	3.6–3.3	90	95	46	15	4.3	13	6.7	8	9.3	x	x		x
07 311 003	**HS 45**	3.3–3.0	100	142	70	17	4.9	14	7.2	8	9.3	x	x	x	x
07 311 004	**HS 50**	3.2–3.0	120	245	120	18	5.2	15	7.7	8	9.3			x	x
07 311 005	**HS 50-2**	3.2–2.9	120	410	200	18	5.2	15	7.7	8	9.3			x	x
				values in nominal load range at 960 rpm and sw of 8 mm.		Acceleration > 9.3 g is not recommended						Material structure			

These types can be combined with one another (identical heights and operation behaviour)

Safety regulations based on the machine engineering directives **2006/42/EG (hanging load bearing capacities)** must be fulfilled on the part of the machine manufacturer. The ROSTA mounts shall be fastened with the foreseen amount of screws (existing fixation holes or slots) of quality 8.8 with consideration of the prescribed fastening torque.

* tensile load Gmax. and final cold-flow compensation (after approx. 1 year)
** separate assembly instructions are available, please ask for details.