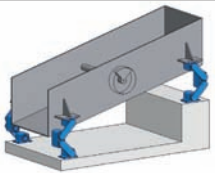
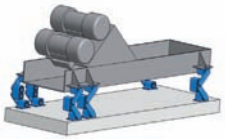
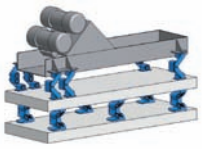
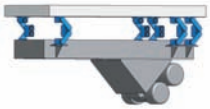
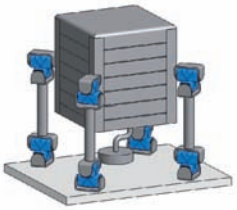
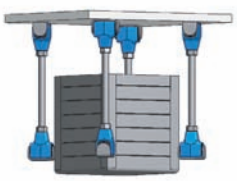
Selection table for free oscillating systems (with unbalanced excitation)

		 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

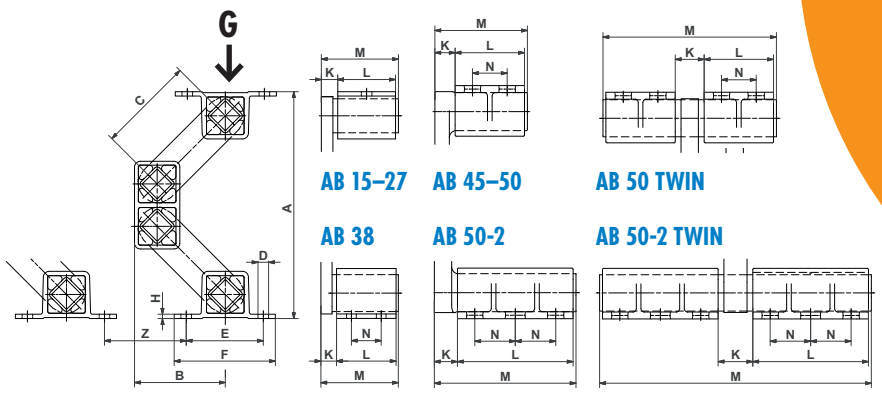
			Gyratory sifter upright staying	Gyratory sifter hanging
	**AK** *	**Universal joint** for the support or suspension of positive drive or freely oscillating gyratory sifting machines. 10 sizes up to max. 40'000 N per unit.		
	**AV** *	**Single joint** specially designed with large rubber volume for the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

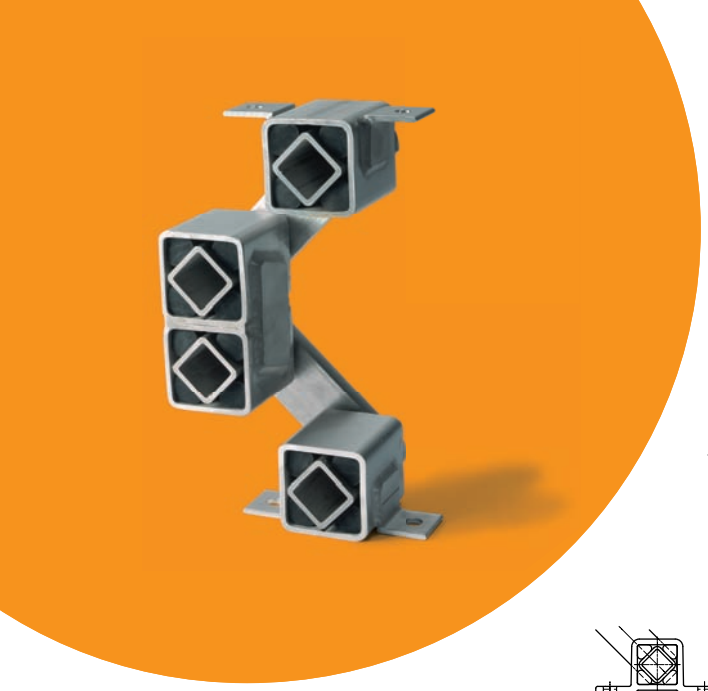


Art. No.	Type	Load capacity Gmin.–Gmax. [N]	A un-loaded	A* max. load	B un-loaded	B* max. load	C	D	E	F	H	K	L	M	N	Weight [kg]
07 051 056	**AB 15**	50 – 160	169	115	71	89	80	ø7	50	65	9	10	40	52	–	0.51
07 051 057	**AB 18**	120 – 300	208	154	88	107	100	ø9	60	80	3.5	14	50	67	–	1.15
07 051 058	**AB 27**	250 – 800	235	170	94	116	100	ø11	80	105	4.5	17	60	80	–	2.20
07 051 059	**AB 38**	600 – 1'600	305	225	120	147	125	ø13	100	125	6	21	80	104	40	5.10
07 051 054	**AB 45**	1'200 – 3'000	353	257	141	172	140	13x20	115	145	8	28	100	132	65	11.5
07 051 061	**AB 50**	2'500 – 6'000	380	277	150	184	150	17x27	130	170	12	35	120	160	60	20.8
07 051 055	**AB 50-2**	4'200 – 10'000	380	277	150	184	150	17x27	130	170	12	40	200	245	70	32.2
07 051 008	**AB 50 TWIN**	5'000 – 12'000	380	277	150	184	150	17x27	130	170	12	50	120	300	60	35.0
07 051 009	**AB 50-2 TWIN**	8'400 – 20'000	380	277	150	184	150	17x27	130	170	12	60	200	470	70	54.0

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
07 051 056	**AB 15**	4.3–2.8	65	10	6	14	4.1	12	6.2	8	9.3	x	x		x
07 051 057	**AB 18**	3.6–2.6	80	18	14	17	4.9	15	7.7	8	9.3	x	x		x
07 051 058	**AB 27**	3.7–2.7	80	40	25	17	4.9	14	7.2	8	9.3	x	x		x
07 051 059	**AB 38**	3.0–2.4	100	60	30	20	5.8	17	8.8	8	9.3	x	x		x
07 051 054	**AB 45**	2.8–2.3	115	100	50	21	6.1	18	9.3	8	9.3	x	x	x	x
07 051 061	**AB 50**	2.4–2.1	140	190	85	22	6.4	18	9.3	8	9.3			x	x
07 051 055	**AB 50-2**	2.4–2.1	140	320	140	22	6.4	18	9.3	8	9.3			x	x
07 051 008	**AB 50 TWIN**	2.4–2.1	140	380	170	22	6.4	18	9.3	8	9.3		x	x	x
07 051 009	**AB 50-2 TWIN**	2.4–2.1	140	640	280	22	6.4	18	9.3	8	9.3		x	x	x
				values in nominal load range at 960 rpm and sw of 8 mm.		Acceleration > 9.3 g is not recommended						Material structure			

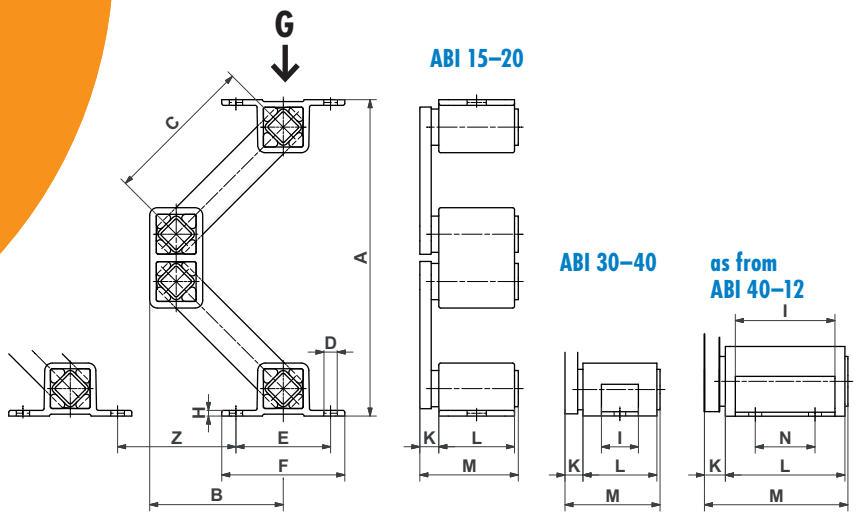
These types can be combined with one another (identical heights and operation behaviour)

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



Oscillating Mounting

Type ABI



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	I	K	L	M	N	Weight [kg]
07 171 107	**ABI 15**	70 – 180	167	114	70	88	80	7x10	50	65	3	–	10	40	52	–	0.71
07 171 108	**ABI 20**	160 – 460	214	147	89	111	100	9x15	65	85	3	–	14	50	67	–	1.57
07 171 103	**ABI 30**	400 – 1'000	241	176	99	121	100	ø11	85	110	4	35	17	70	90	–	3.27
07 171 104	**ABI 40**	700 – 1'600	317	237	128	155	125	ø13	115	150	4	40	21	80	104	–	7.87
07 171 106	**ABI 40-12**	1'300 – 3'200	281	214	111	133	100	ø13	115	150	4	100	21	120	144	60	11.3
07 171 105	**ABI 50**	2'500 – 6'800	372	274	151	184	150	ø18	140	180	5	120	33	150	187	70	14.3

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. [–]	Stainless steel welded	Stainless steel casted	Unpainted
07 171 107	**ABI 15**	4.0–2.8	65	10	6	14	4.1	12	6.2	8	9.3	x	x	x
07 171 108	**ABI 20**	3.6–2.4	80	22	14	17	4.9	15	7.7	8	9.3	x	x	x
07 171 103	**ABI 30**	3.5–2.6	80	48	27	17	4.9	14	7.2	8	9.3	x		x
07 171 104	**ABI 40**	3.0–2.4	100	60	30	20	5.8	17	8.8	8	9.3	x		x
07 171 106	**ABI 40-12**	3.4–2.6	90	115	55	16	4.6	13	6.7	8	9.3	x		x
07 171 105	**ABI 50**	2.8–2.2	140	220	100	22	6.4	18	9.3	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		

Description of stainless steel:
X5CrNi18-10 (1.4301) and
GX5CrNi19-10 (1.4308)

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