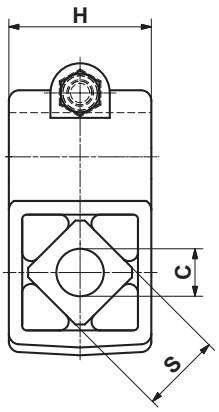
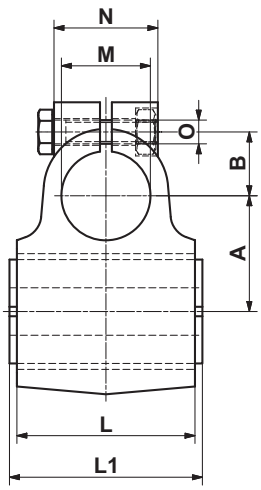
Oscillating Mountings

Type AR

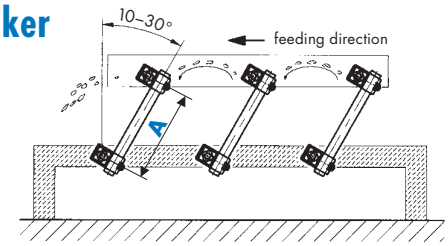




Art. No.	Type	G [N] K<2	Mdd [Nm/°]	A ±0.2	B	ø C	H	L	L1 $_{-0.3}^{0}$	ø M	N	O	□S	Weight [kg]	Material structure Inner square	Material structure Housing
07 291 003	**AR 27**	400	2.6	39	21.5	16 $^{+0.5}_{+0.3}$	48	60	65	30	35	M8	27	0.5	Light metal profile	Light metal casting, ROSTA blue painted
07 291 004	**AR 38**	800	6.7	52	26.5	20 $^{+0.5}_{+0.2}$	64	80	90	40	50	M8	38	1.0		

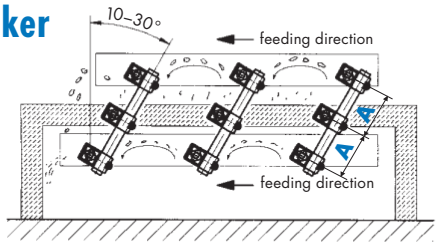
G = max. load in N per rocker, by higher K consult chapter 5 on page 2.24.
Mdd = dynamic element torque in Nm/° by oscillating angles α ±5° in speed range of ns = 300–600 min^{-1}

Single Rocker



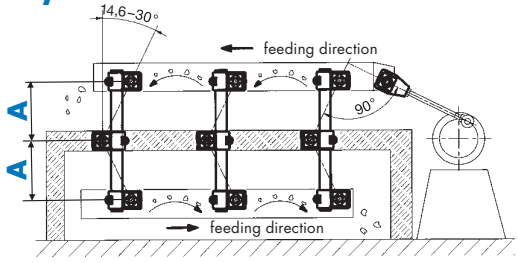
The two AR mounts are inserted on the round connecting tube. The required center distance should be positioned on the straightening plate (parallelism), subsequently tightening of the two collars with the required fastening torque.

Double Rocker



The three AR mountings are inserted on the round connecting tube (please check required material thickness by the relevant center distance on below-mentioned table). The counter-mass can be used as second trough with identical feeding direction.

Two-Way Rocker



The three AR mounts are inserted on the round connecting tube, with the direction inverted center element. This so said "boomerang"-configuration is offering on the counter-mass trough a direction inverted flow of material, what could simplify selection and screening processing.

Dimensioning of the connecting tubes

The connecting tubes have to be provided by the customer. For Single Rockers the wall thickness of 3 mm (up to center distance A = 300 mm) is fully sufficient. For Double Rockers, due to resulting shear forces, higher wall thicknesses are required – see below-mentioned table.

Type	Tube-ø	min. thickness of tube	max. center distance A	min. mounting angle β [°] with two-way rocker
AR 27	30	3	160	26.0
		4	220	19.5
		5	300	14.6
AR 38	40	3	200	27.5
		4	250	22.6
		5	300	19.1

Further basic information and calculations on pages 2.22–2.24.
By differing center distances A, please consult ROSTA.

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