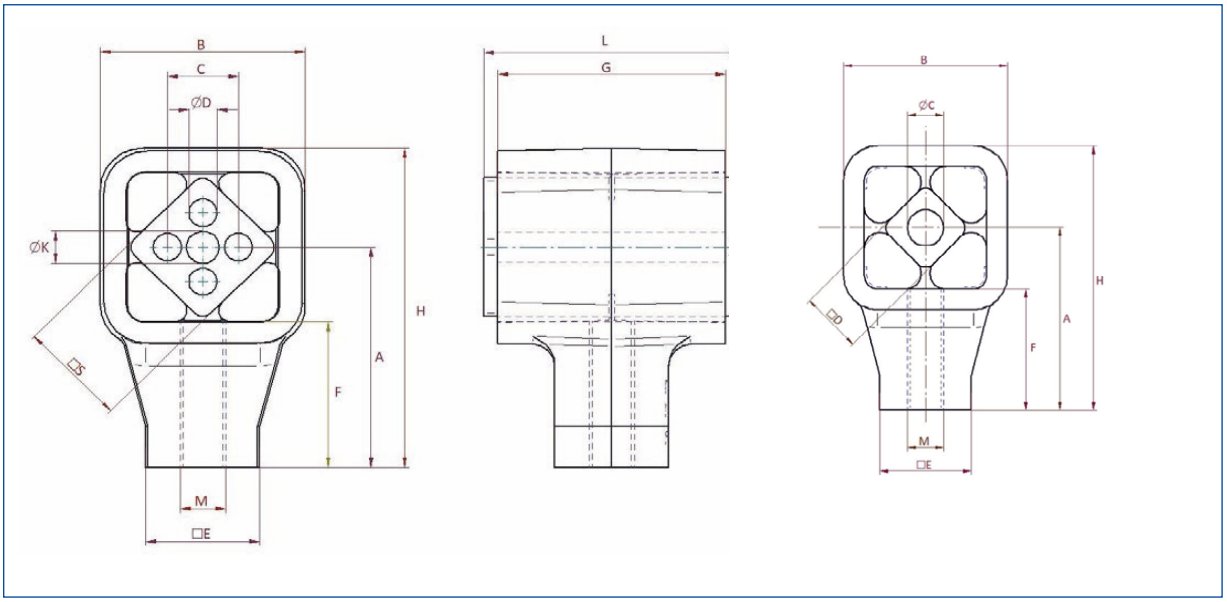
DRIVE HEAD
TYPE DH | GSM

The RESATEC drive head type DH is the elastic head piece of the push crank rod. A ball or roller bearing can be used on the eccentric drive side. At the trough, the drive head achieves maintenance-free transmission of the drive forces. The elastic drive head reduces the high force peaks that lead to increased wear in a stiff component and at the same time protects the drive components and the trough structure.

The RESATEC drive head GSM is functionally a DH with larger rubber volume. A larger head is used and compensated with larger rubber cross section. GSM are mainly used for the suspension of plansifters.

$F = m \times R \times 0{,}001 \times (2\Pi \times n_{eer})^2$

F [N]	Acceleration force
m [kg]	Oscillating mass
R [mm]	Eccentric radius
n_{eer} [min^{1}]	Excitation rpm



DRIVE HEAD
TYPE DH | GSM

type	max. force	angle	max. nerr	A	B	C	ø D	ø K	□ E	F	G	H	L +0/– 0.3	M	T	□ S	weight	material	
	N	max.	min $^{-1}$				+0,5 0										kg	housing	core
DH 4 – 50R	400	10°	720	40	36	12	6	-	24	25	50	58	55	M12R	16	18	0.15	EN AC-AL	aluminium-wrought alloys T6
DH 4 – 50L	400	10°	720	40	36	12	6	-	24	25	50	58	55	M12L	16	18	0.15		
DH 5 – 60R	1000	10°	680	55	52	20	8	-	30	35	60	81	65	M16R	24	27	0.35		
DH 5 – 60L	1000	10°	680	55	52	20	8	-	30	35	60	81	65	M16L	24	27	0.35		
DH 6 – 80R	2000	10°	620	80	72	25	10	-	40	52	80	115	90	M20R	30	38	1		
DH 6 – 80L	2000	10°	620	80	72	25	10	-	40	52	80	115	90	M20L	30	38	1		
DH 7 – 100R	3500	10°	580	90	90	35	12	17	50	55	100	135	110	M24R	36	45	1.7		
DH 7 – 100L	3500	10°	580	90	90	35	12	16.5	50	55	100	135	110	M24L	36	45	1.7		
DH 8 – 120R	6000	10°	560	100	100	40	M12 x 40	20.5	60	65	120	148	130	M36R	55	50	4.9	EN GJS-400 ISO 8062-3-DCTG11	steel S235JR ISO 2768mK
DH 8 – 120L	6000	10°	560	100	100	40	M12 x 40	20.5	60	65	120	148	130	M36L	55	50	4.9		
DH 9 – 200R	11500	10°	540	120	120	45	M16 x 25	-	80	75	200	183	210	M42R	63	60	17.9		
DH 9 – 200L	11500	10°	540	120	120	45	M16 x 25	-	80	75	200	183	210	M42L	63	60	17.9		
DH 9 – 300R	17500	10°	540	120	120	45	M16 x 25	-	80	75	300	183	310	M42R	63	60	25.5		
DH 9 – 300L	17500	10°	540	120	120	45	M16 x 25	-	80	75	300	183	310	M42L	63	60	25.5		
DH 11 – 300R	25000	10°	440	168	152	60	M20 x 30	-	100	100	300	236	310	M52R	78	80	41.5	SN EN ISO 3920 AE	
DH 11 – 300L	25000	10°	440	168	152	60	M20 x 30	-	100/136	100	300	236	310	M52L	78	80	41.5		

type	max. load / unit	G	L	F	E	A	C	B	D	H	M	rubber ø	weight
	N											mm	kg
GSM 4 R	700 - 1700	60	65	35	30	55	13	52	18	81	M16R	20	0.35
GSM 4 L	700 - 1700	60	65	35	30	55	13	52	18	81	M16L	20	0.35
GSM 5 R	1400 - 3200	80	90	52	40	80	16,5	72	27	115	M20R	25	1
GSM 5 L	1400 - 3200	80	90	52	40	80	16,5	72	27	115	M20L	25	1
GSM 6 R	2800 - 5200	100	110	55	50	90	21	90	38	135	M24R	27	1.7
GSM 6 L	2800 - 5200	100	110	55	50	90	21	90	38	135	M24L	27	1.7
GSM 7 R	4800 - 7900	120	130	65	60	100	21	94	40	148	M36R	35	4.9
GSM 7 L	4800 - 7900	120	130	65	60	100	21	94	40	148	M36L	35	4.9
GSM 8 R	6500 - 17000	200	210	75	80	120	4 x M12 x 40	120	50	183	M42R	40	17.9

Load (N): $\frac{m \times g}{z}$

Total oscillating mass: m [kg]

Number of suspensions: z [piece]

Acceleration: g [9,81 m/s^2]