

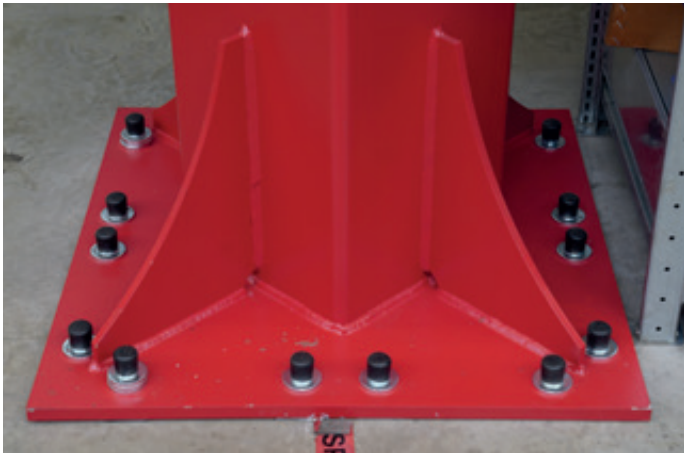
Installation

Dowel fixings

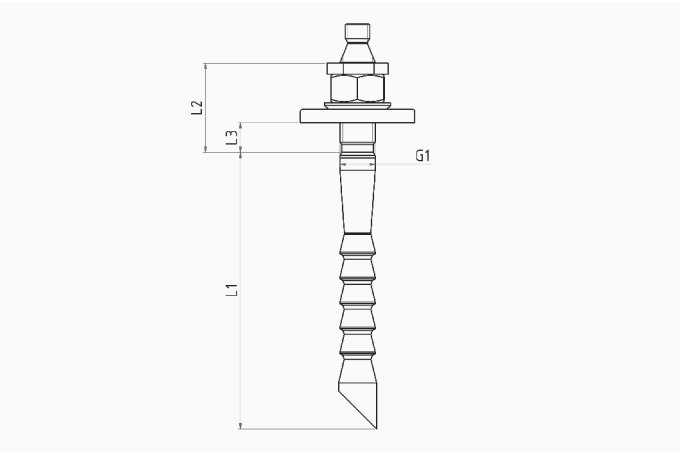
Setup and application

These fixing dowels are specially certified for dynamic loads and have a high tensile load. Slight vibrations can be compensated for by the calotte attachment and the tie rods should be loaded evenly. The doweling takes place using composite anchor cartridges and the drilling gaps are filled with injection mortar. This creates a highly resilient connection that safely withstands extremely dynamic loads.

- Heavy duty carbon steel anchorage
- Temperature range from -40°C to 50°C
- Required concrete quality min. C20/25
- Approval according to European Technical Assessment ETA-03/0032
- Dispensing device and injection mortar required as accessories



Dynamic dowel fixing
Anchored directly to the hall floor via a base plate.



Type	Nominal Ø	Drill Ø	Drill depth Required	floor depth Required	edge spacing	Axis spacing	Tightening torque	Permitted tensile load (kN)	Permitted transverse load (kN)	L1	L2	L3	G1
HAS-TZ-	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(Nm)						
M10x75/30	10	12	90	150	50	50	40	7.4	3.3	75	34	<15	M10
M10x75/50	10	12	90	150	50	50	40	7.4	3.3	75	49	<30	M10
M12x95/25	12	14	110	190	70	60	50	13.3	6.3	95	48	<25	M12
M12x95/50	12	14	110	190	70	60	50	13.3	6.3	95	73	<50	M12
M12x95/100	12	14	110	190	70	60	50	13.3	6.3	95	123	<100	M12
M16x105/30	16	18	125	210/160	85/350	70/150	90	14.8	11.1	105	56	<30	M16
M16x105/60	16	18	125	210/160	85/350	70/150	90	14.8	11.1	105	86	<60	M16
M16x105/100	16	18	125	210/160	85/350	70/150	90	14.8	11.1	105	126	<100	M16
M16x125/30	16	18	145	250/190	85/350	70/150	90	14.8	11.1	125	56	<30	M16
M16x125/60	16	18	145	250/190	85/350	70/150	90	14.8	11.1	125	86	<60	M16
M16x125/100	16	18	145	250/190	85/350	70/150	90	14.8	11.1	125	126	<100	M16

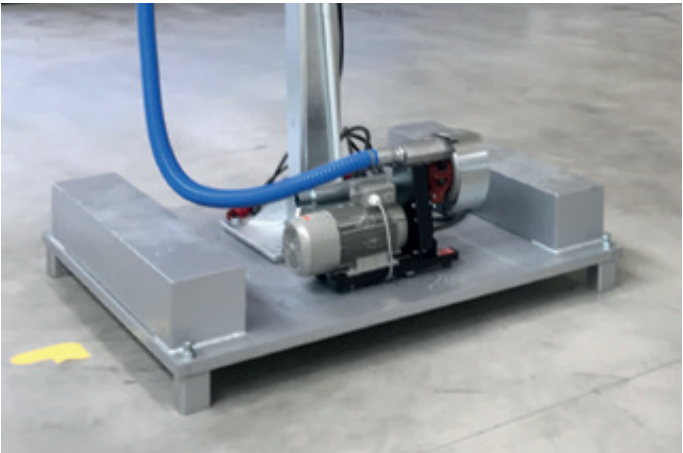
Installation

Mobile base plates

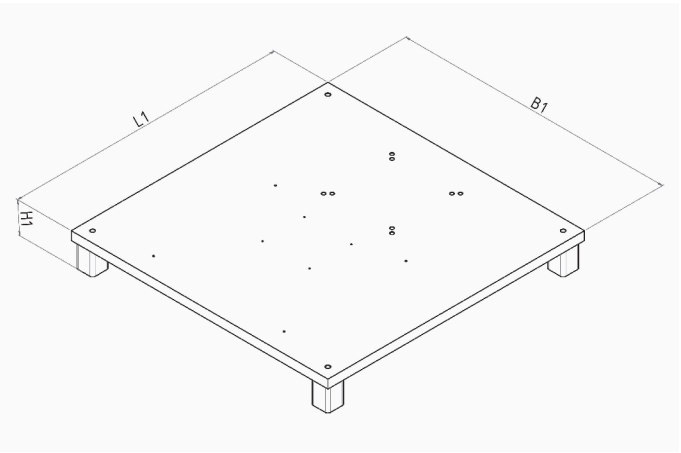
Setup and application

The mobile base plates can be used for column-mounted jib cranes if they are not always required at the same workplace. The solid base plates, some of which are equipped with additional weights, can absorb extremely high moments and ensure sufficient, secure stability. The mobile base plates can be moved very easily using pallet trucks or forklifts, which means that there is a high level of flexibility for different workplaces.

- Easy to move with a pallet truck or forklift
- High stability due to high dead weight
- Additional weights can be added to increase the load
- Increased flexibility if there are multiple workstations
- No doweling to the floor necessary



Mobile base plate
Use a pallet truck or forklift to move base plates



Type	Max. torque	Max. load (kg) at boom length (mm):					L1	B1	H1	Own weight
		2,000	3,000	4,000	5,000	6,000				
	(Nm)						(mm)	(mm)	(mm)	(kg)
MGP-2000	2,000	100	65	50	40	32.5	1,200	1,200	2,000	460
MGP-4000	4,000	200	135	100	80	65	1,500	1,300	4,000	620
MGP-6000	6,000	300	200	150	120	100	1,500	1,300	6,000	810
MGP-8000	8,000	400	265	200	160	135	1,500	1,500	8,000	1,030
MGP-10000	10,000	500	330	250	200	165	1,500	1,500	10,000	1,560
MGP-12000	12,000	600	400	300	240	200	1,500	1,500	12,000	2,160