

Modular system for tailor-made solutions

Whatever you plan and build, be it a new installation or the modernisation of an existing facility – the Demag DRS wheel block system with its wide variety of perfectly matched components will meet all your requirements. The right wheel blocks and drive units can be supplied for every application: tailored to meet your needs, compact and reliable.



Perfect shape

Demag DRS wheel blocks can be matched to many different types of travel rail and operating conditions with travel wheels from a wide range of standard designs or with specially developed travel wheel profiles.



Travel wheels guided by flanges on both sides, with generous wear reserves for common rail systems or with a tread to your specifications



Wheels for guided applications in vertical and horizontal planes of prismatic or trapezoidal design or with a concave tread ...

Travel wheel types and materials

With effective vibration-damping characteristics, the spheroidal graphite cast iron (GGG 70) travel wheels guarantee high-speed operation which is particularly gentle on the rail. The self-lubricating effect of the wheel material reduces friction and provides high resistance to wear. These properties make spheroidal graphite cast iron travel wheels far superior to conventional steel travel wheels.



Travel wheels without flanges, if required with guide rollers for rigidly guided systems

...and also spheroidal graphite cast iron wheels with a convex tread or of hardened design

Also available are Polyamide travel wheels without flanges, which offer particularly smooth and quiet running properties and are gentle on the runway. Flangeless travel wheels fitted with Hydropur tyres, which also provide for smooth operation at high acceleration rates, complete the travel wheel range.



Travel wheels guided by a flange on one side for units running at floor level, also with a central flange for special requirements



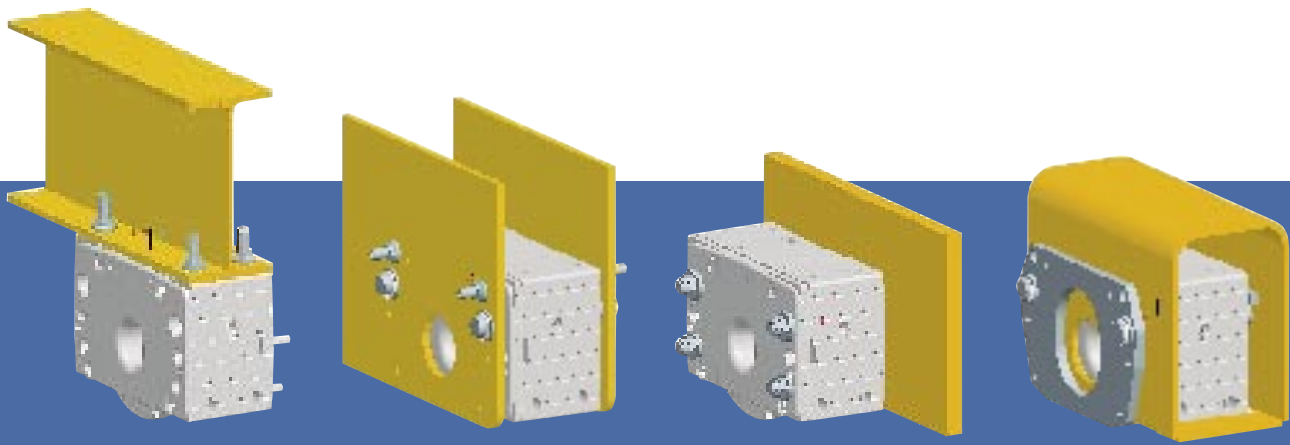
Flangeless travel wheels with a Hydropur tyre for high acceleration and quiet running characteristics



Large diameter travel wheels without a flange for increased ground clearance



Polyamide travel wheels without a flange for quiet running and gentle on the runway



Top connection

Pin connection

Side connection

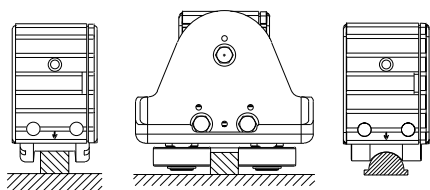
End connection

Connection variants

An important feature of Demag wheel blocks are the prepared mounting surfaces which facilitate virtually any connection arrangement – ranging from top and end connection arrangements with bolted and welded connection elements, to side and pin connection arrangements for installation in hollow sections and cross beams. Top, end and pin connection arrangements make it possible to move and align the wheel blocks laterally even after they have been fitted.

Guide forces

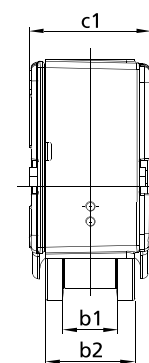
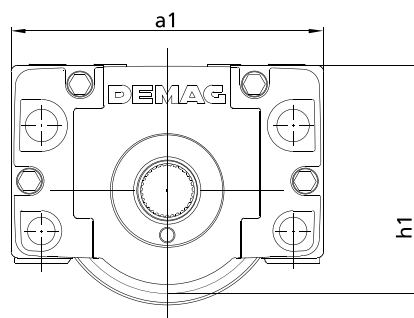
Tailored solutions are also available for guiding wheel blocks. Flange-guided travel wheels and wheels with prism-shaped or concave treads for round cross section rails provide for exact vertical and horizontal guide arrangements. If strong horizontal forces have to be reliably absorbed, infinitely adjustable guide rollers with a positive connection should be used.



Dimensions

(DRS with spheroidal graphite cast iron wheel with two flanges)

DRS wheel block Size	Max. load capacity kg	Travel wheel Ø mm	Weight kg	Dimensions in mm				
				a1	b1	b2	c1	h1
DRS 112	2750	112	7,3	190	47	80	96	131
DRS 125	5000	125	9,9	220	60	80	98	147,5
DRS 160	7000	160	18,3	275	65	89	110	187
DRS 200	10000	200	35,7	340	65	101	130	238
DRS 250	16000	250	62	385	75	110	150	281
DRS 315	22000	315	117	470	90	130	180	349,5
DRS 400	30000	400	201	580	110	155	210	440
DRS 500	40000	500	352	700	110	170	240	566



Options and accessories

Horizontal guide roller arrangements as well as buffers are available in various sizes and designs.