



DRIVEN BY POSSIBILITY™

GATES SOLUTIONS FOR THE RAIL INDUSTRY:

RAIL HOSE SOLUTIONS

WHEREVER THE RAILS MAY TAKE YOU, GATES WILL GET YOU THERE.

Gates offers a global range of hydraulics solutions certified per EN45545-2 to exceed the rigorous safety expectations of rail applications. Trust Gates as a leader in reliable innovations to keep your passengers and operators safe while reducing your maintenance and total cost of ownership.

Continuous innovation isn't just what we do. It's who we are. Rely on a leader in research, design, materials science, and the manufacturing of premium fluid power solutions —only with Gates.

FEATURES + BENEFITS

- **Safety** — Certified per EN45545-2 for both R22 internal and R23 external use in rail applications
- **Quality** — Engineered hose and coupling interface to ensure long-lasting, high-performance hose solutions
- **Reliability** — Tested up to 600,000 impulse cycles at high temperatures
- **Durability** — Abrasion- and ozone-resistant hose covers protect hoses from environmental factors
- **Global Availability** — Wherever you are, Gates is there
- **Simplicity** — Consolidate inventory with global, multi-use hoses and couplings
- **Support** — Application Expertise to choose the right hoses for your rail needs



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RAILWAY HOSE THAT MEETS INTERIOR AND EXTERIOR REQUIREMENTS

The challenge facing the rail industry is to make rail travel as reliable, efficient and safe as possible. Driven by regulations and increased globalization, rail operators are constantly seeking ways to reduce downtime, increase productivity and enhance safety and security to drive profitability. At Gates, powering the rail industry means helping our customers build better and safer trains, while giving operators peace of mind with products designed for maximum reliability.

EN45545-2 CONFORMANCE

- A single standard for hose assembly fire behavior (EN45545-2) has been adopted globally and is replacing country-specific standards
- Gates supplies hoses that are fully compliant with the standard

GATES OFFERS RELIABLE SOLUTIONS THAT MEET THE STRINGENT SAFETY STANDARDS OF EN45545-2



	GATES® G1H				GATES® G2XH				GATES® MEGASYS™ M4KH			
Hose Size	WP (bar)	MBR (mm)	OD (mm)	Wt. (kg/m)	WP (bar)	MBR (mm)	OD (mm)	Wt. (kg/m)	WP (bar)	MBR (mm)	OD (mm)	Wt. (kg/m)
- 4	190	102	13.5	0.16	420	102	15.0	0.30	280	51	14	0.22
- 6	155	127	17.5	0.25	350	127	18.8	0.39	280	64	18	0.31
- 8	140	178	20.3	0.30	293	178	21.8	0.47	280	76	21	0.38
- 10	103	203	23.9	0.36	250	203	25.1	0.56	280	101	25	0.55
- 12	86	241	27.9	0.44	214	241	29.2	0.68	280	119	30	0.73
- 16	70	305	35.8	0.65	172	305	37.6	1.02	-	-	-	-
R22 (INTERNAL)	HL2				HL1				HL1			
R23 (EXTERNAL)	HL2				HL2				HL2			

