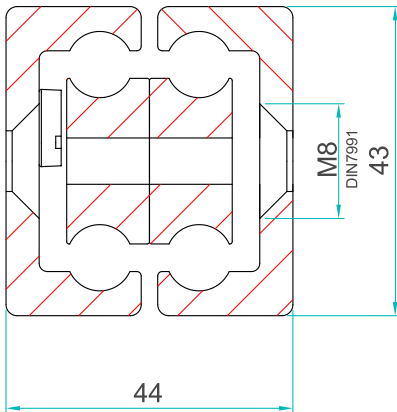


*Remove the stopping bolt to reach mounting holes

Available Options:

- * **H** – Hardened raceways
- * **V** – V-shaped channel raceways
- * **SB** – Stainless steel ball bearings
- * **SC** – Stainless steel ball cages
- * **SA** – Stainless steel stopping pins and bolts
- * **S** – Entirely manufactured in stainless steel 316L



MDOWS4344-A weighs 10.8 kg/m				Hole pattern		
Article number	Installation length: L	Extension length: D	Load per pair: kg	"A"	"B"	"C"
MDOWS4344-A.0200	200	200	150	50	-	-
MDOWS4344-A.0250	250	250	210	50	-	50
MDOWS4344-A.0300	300	300	240	50	-	100
MDOWS4344-A.0350	350	350	263	50	-	150
MDOWS4344-A.0400	400	400	268	50	-	200
MDOWS4344-A.0450	450	450	270	50	-	250
MDOWS4344-A.0500	500	500	260	50	-	300
MDOWS4344-A.0550	550	550	245	50	150	-
MDOWS4344-A.0600	600	600	235	50	175	-
MDOWS4344-A.0650	650	650	220	50	200	-
MDOWS4344-A.0700	700	700	208	50	225	-
MDOWS4344-A.0750	750	750	206	50	250	-
MDOWS4344-A.0800	800	800	195	50	275	-
MDOWS4344-A.0850	850	850	180	50	300	-
MDOWS4344-A.0900	900	900	175	50	325	-
MDOWS4344-A.0950	950	950	160	50	350	-
MDOWS4344-A.1000	1000	1000	150	50	375	-
MDOWS4344-A.1050	1050	1050	138	50	400	-
MDOWS4344-A.1100	1100	1100	135	50	425	-
MDOWS4344-A.1150	1150	1150	130	50	450	-
MDOWS4344-A.1200	1200	1200	120	50	475	-

**Important Safety Notice****Do not disassemble the slide!**

The stated maximum safe working load applies to a fully extended pair of slides mounted in the upright position. Ensure all provided fixing holes are utilized, and distribute the load evenly along the inner beam. Slide deflection is calculated at a maximum of 2% of the slide's closed length when operating at or near full load capacity.

MDOWS4344-A weighs 10.8 kg/m				Hole pattern		
Article number	Installation length: L	Extension length: D	Load per pair: kg	"A"	"B"	"C"
MDOWS4344-A.1250	1250	1250	115	50	500	-
MDOWS4344-A.1300	1300	1300	113	50	525	-
MDOWS4344-A.1350	1350	1350	108	50	550	-
MDOWS4344-A.1400	1400	1400	105	50	575	-
MDOWS4344-A.1450	1450	1450	103	50	600	-
MDOWS4344-A.1500	1500	1500	100	50	625	-
MDOWS4344-A.1550	1550	1550	98	50	650	-
MDOWS4344-A.1600	1600	1600	95	50	675	-
MDOWS4344-A.1650	1650	1650	90	50	700	-
MDOWS4344-A.1700	1700	1700	88	100	650	-
MDOWS4344-A.1750	1750	1750	85	100	675	-
MDOWS4344-A.1800	1800	1800	83	100	700	-
MDOWS4344-A.1850	1850	1850	80	100	725	-
MDOWS4344-A.1900	1900	1900	78	100	750	-
MDOWS4344-A.1950	1950	1950	72	100	775	-
MDOWS4344-A.2000	2000	2000	60	100	800	-

Installation Tolerances

Parameter	Tolerance
Closed Length	DIN 2768-c
Extension	DIN 2768-c
Installation Width	+0.4 mm / -0.6 mm

Indirect Axis (Flat) Mounting: When mounting as shown in the image above, reduce the load capacity by approximately 60–80% and account for increased deflection. For precise calculations, please contact our engineering team to request a detailed FEA load analysis tailored for OEM projects. Our standard load ratings are based on fully extended pairs of slides positioned upright (direct axis), uniformly loaded across beams spaced 1,000 mm apart. If higher load capacities are required or slides are intended for extra-wide drawers, please consult our technical support team for further guidance.

Hardened Raceway Option: Our raceways can be accurately hardened through an advanced laser process, achieving a hardness rating of 58–62 HRC without extending production lead times. This process significantly enhances tensile strength, reduces friction coefficients, minimizes operational forces, and greatly increases lifecycle performance. Load capacities for slide lengths under 700 mm show marginal improvements. Recommended operational speeds also increase to 0.6 m/s. Under standard conditions, a non-hardened Professional Range steel slide typically achieves approximately 100,000 cycles at 75% load capacity, provided correct installation, appropriate operational speeds, optimal environmental conditions, and adherence to recommended maintenance schedules are maintained (refer to the Technical Maintenance Document for additional information). Hardening the raceways to 58–62 HRC and utilizing chromed steel ball bearings substantially reduces wear and significantly extends service life. With proper maintenance and operational standards, life expectancy can exceed 500,000 cycles. While our engineers can assist OEM design programs with comprehensive FEA analysis, we highly recommend conducting in situ testing within your production facility before finalizing your design for manufacturing.

Material: All steel components.

Beams: Cold-drawn carbon steel C45E+C (EN 10277), featuring precision-milled raceways.

Ball Cages: Zinc-plated steel sheet, laser-cut profiles.

Ball Bearings: C85, G100 according to DIN 5401 standards (chromed).

End Bolts: ASTM A307 compliant.

Surface Protection: Electrolytic alkaline zinc coating (10–12 microns), compliant with DIN EN ISO 9227 neutral salt spray testing—no white rust appearance within 250 hours and no red rust appearance within 1,100 hours.

Temperature Range: Suitable for temperatures from -20°C to +250°C, provided proper lubricants are applied and beams are mounted freely to accommodate thermal expansion.

Lubrication: We apply and recommend lithium-based EP3 grease for standard applications. Special high- or low-temperature greases are available upon request.

Clean Room Requirements: Slides can be delivered unlubricated, allowing customers to perform sterilization and apply specialized greases post-production.

Thread Pitches: Coarse, as specified in the end profile image.

