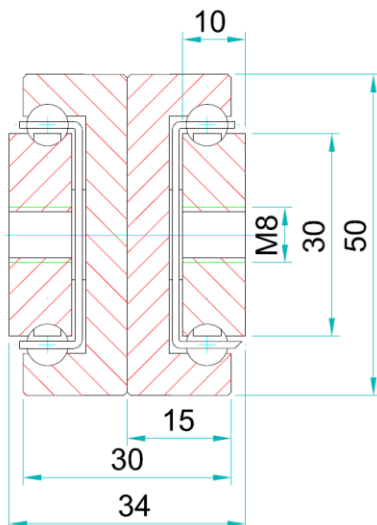


**Options:**

- "H" – Hardened raceways
- "V" - V shape channel raceways
- "SB"- stainless steel ball bearings
- "SC"- stainless steel ball cages
- "SA"- stainless steel stopping pins and bolts



DOWS-5034 weights 10.2 kg/m				Hole pattern		
Article number	Installation length: L	Extension length: D	Load per pair: kg	"A"	"B"	"C"
DOWS5034.0200	200	200	375	50	-	-
DOWS5034.0250	250	250	385	50	-	50
DOWS5034.0300	300	300	396	50	-	100
DOWS5034.0350	350	350	405	50	-	150
DOWS5034.0400	400	400	414	50	-	200
DOWS5034.0450	450	450	440	50	-	250
DOWS5034.0500	500	500	455	50	-	300
DOWS5034.0550	550	550	465	50	150	-
DOWS5034.0600	600	600	475	50	175	-
DOWS5034.0650	650	650	465	50	200	-
DOWS5034.0700	700	700	450	50	225	-
DOWS5034.0750	750	750	440	50	250	-
DOWS5034.0800	800	800	430	50	275	-
DOWS5034.0850	850	850	415	50	300	-
DOWS5034.0900	900	900	405	50	325	-
DOWS5034.0950	950	950	400	50	350	-
DOWS5034.1000	1000	1000	385	50	375	-
DOWS5034.1050	1050	1050	360	50	400	-
DOWS5034.1100	1100	1100	350	50	425	-
DOWS5034.1150	1150	1150	342	50	450	-
DOWS5034.1200	1200	1200	315	50	475	-

**Do not dismantle the slide!**

The maximum safe working load is stated for fully extended pair of slides, mounted upright. Use all fixing holes and spread the load evenly across the inner beam.  
 Flat mounting: Reduce the load by 60-80%.  
 We recommend the use of strong L brackets for under or floor mount.  
 Deflection is calculated up to 2% of the closed length, at or near full load capacity.

**Installation tolerance:**

Closed length Tolerance: DIN2768 – c

Extension Tolerance: DIN2768 - c

Installation width tolerance + 0.4 to – 0.6mm

DOWS-5034 weights 10.2 kg/m				Hole pattern		
Article number	Installation length: L	Extension length: D	Load per pair: kg	“A”	“B”	“C”
DOWS5034.1250	1250	1250	300	50	500	-
DOWS5034.1300	1300	1300	290	50	525	-
DOWS5034.1350	1350	1350	280	50	550	-
DOWS5034.1400	1400	1400	270	50	575	-
DOWS5034.1450	1450	1450	260	50	600	-
DOWS5034.1500	1500	1500	245	50	625	-
DOWS5034.1550	1550	1550	220	50	650	-
DOWS5034.1600	1600	1600	205	50	675	-
DOWS5034.1650	1650	1650	190	50	700	-
DOWS5034.1700	1700	1700	185	100	650	-
DOWS5034.1750	1750	1750	180	100	675	-
DOWS5034.1800	1800	1800	175	100	700	-
DOWS5034.1850	1850	1850	165	100	725	-
DOWS5034.1900	1900	1900	160	100	750	-
DOWS5034.1950	1950	1950	150	100	775	-
DOWS5034.2000	2000	2000	140	100	800	-

**Indirect Axis (Flat) Mounting:** As in the image above, reduce the load capacity by 60-80% and allow for increased deflection, or contact our engineers to request accurate FEA load analysis for OEM projects. We load rate per fully extended pair of slides on the direct axis, upright, with uniform loading across the beams, spaced 1,000mm apart. If load capacities need to be increased, or slides are fitted to extra-wide drawers, please contact us for technical advice.

**Hardened Raceways Option:** Via an accurate laser process, the raceways can be hardened to 58-62HRC without increasing production lead-times. This maximizes tensile strength, reduces friction coefficient, minimizes operational forces and substantially increases the life cycles. Load capacities for lengths under 700mm are marginally increased. Recommended operating speeds increase to 0.6m/s. A non-hardened Professional Range steel slide can be expected to achieve 100,000 cycles at 75% load capacity in a lifetime, following correct mounting, operational speeds, working environment and regular raceway cleaning with a re-lubrication schedule. (Download the Technical Maintenance Document for further information). Hardening raceways to achieve 58-62HRC and replicating the chromed steel ball bearings, results in substantially less wear and prolonged service life. Following the same maintenance schedule and operational conditions, lifespan can be anticipated to surpass 500,000 cycles. Our engineers can support OEM design programs with FEA analysis; however, we recommend in situ testing within the fabrication before committing to production.

**Material:** All steel parts.

**Beams:** Cold drawn carbon steel C45E+C, - EN 10277, milled raceways.

**Ball cages:** Zinc plated sheet steel. Laser cut profiles.

**Ball bearings:** C85, G100: DIN 5401 (Chromed).

**End Bolts:** ASTM A307.

**Steel surface protection:** Electrolytic alkaline zinc coating (10-12 microns). conforming to DIN EN ISO 9227 neutral salt spray testing. No white rust appearance within 250 hours. No red rust appearance within 1,100 hours

**Temperature range:** Steel slides –20°C to +250°C provided the necessary lubricants are applied and the beams are mounted freely to allow expansion

**Lubrication:** We apply and recommend lithium based EP3 grease for general applications. High & low temp grease upon request

**Clean Room Requirement:** The slides will be supplied unlubricated for the customer to sterilize and apply specialist grease after production

**Thread pitches:** As per end profile image - coarse

