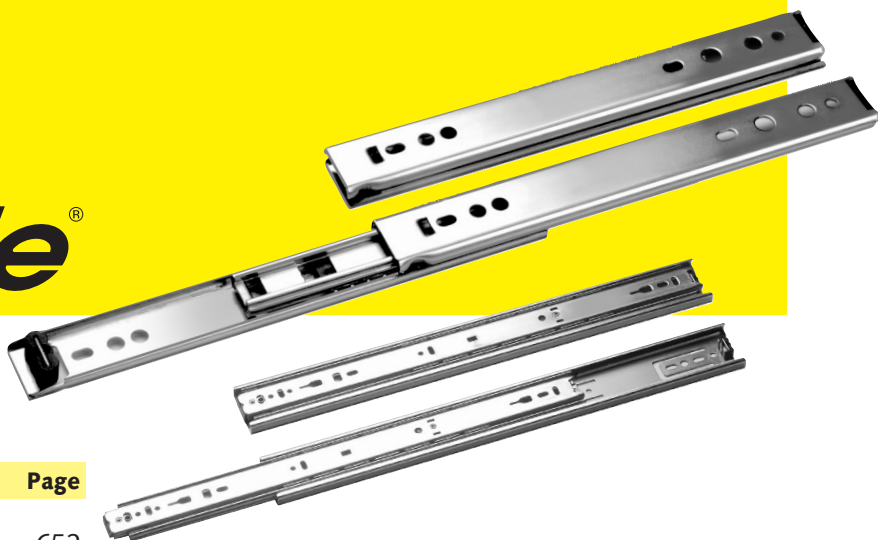


Accuride®



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Selection Tool

on the Internet at

www.maedler.de

in the section

Mädler-Tools

General Description and Technical Notes

General Description and Application

High-quality, maintenance-free, ball bearing precision slides for various applications in machines and appliances used in trade or industry:

e.g. vending machines, automated pay stations, production plants, for protected storage of input or monitoring devices on computer controlled machine tools and production lines, pull-out shelves, cover hoods etc. In vehicles (mobile workshop, fire rescue or first aid trucks/vehicles, passenger trains) and aeroplanes pull-out objects also facilitate an optimum utilization of the available space.

Material

Slide elements: Cold-rolled steel, in part stainless steel 1.4301.
Ball retainers: Pre-plated cold-rolled steel, in part stainless steel or plastic.
Balls: Bearing steel, hardened, in part stainless steel.

Lubrication

Maintenance free: Lubricated for life with low-temperature grease, -20°C to +120°C.
 No relubrication required.

Surface Protection

Zinc plated, bright, some parts passivated black or painted white. Type DH3832 with special zinc coating for extra strong corrosion protection (stainless steel parts have their natural colour).

Selection and Dimensioning

For easy selection we recommend using the selection table on page 653 considering the following criteria:

- 3/4 or full extension.
- Load rating.
- Additional features.
- Surface finish / material.
- Outer dimensions.

An optimum sliding action is achieved under load. The slides should therefore never be heavily over-dimensioned.

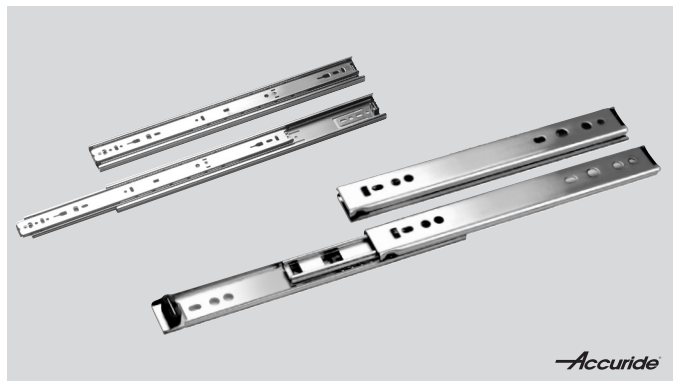
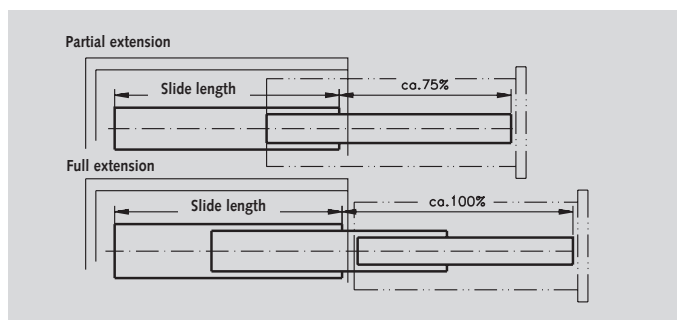
Travel

Difference regarding 3/4 extension and full extension:

3/4 Extension: Two-part slides allow a travel of about 75% of the slide length.

Full extension: Three-part slides allow a travel of about 100% of the slide length. Some of these types offer an even larger travel (over extension). Type 2026 offers 3/4 extension in both directions.

All other types can only be pulled out in one direction.



Additional Features

Depending on the slide type, all slides are equipped for different special requirements:

- **Fast disconnection:** Allows easy disconnection of the drawer.
- **Hold-in:** Holds the drawer in closed position.
- **Hold-out:** Holds the drawer in open position.
- **Locking:** Locks the drawer in closed and/or open position. A lever must be actuated to move the slide.
- **Self close:** A spring mechanism retracts the pulled-out slide.
- **Bracket mount:** For an optimum side or bottom/platform mounting. With Type DZ 2109 the brackets included.

For Types DZ 2132, 3832, 3832SC/HDSC/DO, 9301 and 9308 brackets can be ordered separately.

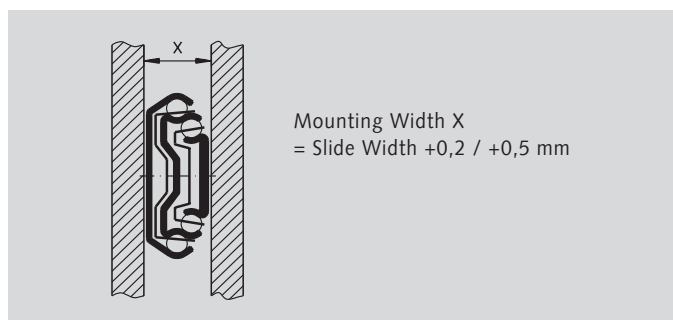
Optional brackets to mount slides inside electrical cabinets can be supplied on request. Some slide types also offer the possibility to adjust the drawer fronts with special adjusting cams.

Load Bearing Capacity

The stated load ratings relate to the maximum permissible load for a pair of vertically mounted slides (side mounted slides). For horizontally (flat) mounted slides the load bearing capacity is reduced to only 25% of the stated load rating. The load ratings refer to a load applied to the midpoint of the slide, at a travel of 450 mm. At this load the slides last for approx. 10,000 cycles (Types DZ 0330, 2109, and 5322: 50,000 to 80,000 cycles, Type 2907 only 2,000 cycles). The stated load ratings are dynamic values. For static set ups the value can at max be doubled.

Mounting

Optimum movement is achieved under slight tensile force. The mounting width should therefore exceed the slide width by 0.2 to 0.5 mm. After mounting, the slides should be checked for easy movement, and if necessary be adjusted. If no easy sliding movement can be achieved, the mounting set up should be checked regarding width, alignment and angularity.



Slides Selection Table

The slides in the table are sorted as follows:

1. According to the extension type: Partial or full extension / over extension.
2. Within the extension type: according to load rating, from low to high.

Slide Type	Page	Travel	Load kg	Width x Height mm	Fast Disconnect	Hold In	Hold Out	Locking 1)	Self Closure	Optional Mounting Brackets	Surface Finish or Material
2109	654	Partial	34	12,7 x 34,8	●	●	●			●	zinc plated
2002	655	Partial 2)	35	9,5 x 35,1		●					zinc plated
0201	656	Partial	49	9,5 x 35,3							zinc plated
2026	657	Partial 2)	49	9,5 x 35,3			●				zinc plated
2132	658	Partial	50	12,7 x 35	●	●				●	either bright or black zinc plated
0204	659	Partial	59	9,5 x 35,3	●			A			zinc plated
DS2028	660	Partial	65	9,5 x 35,3		●					Stainless Steel <i>ROSTFREI</i>
DA4120	661	Partial	438	36 x 80							Aluminium
2601	662	Full	34	12,7 x 26,3		●					zinc plated
2642	663	Full	34	12,7 x 26,3		●					zinc plated
3732	665	Full	40	12,7 x 37	●	●				●	zinc plated
3832	666	Full	50	12,7 x 45,7	●	●				●	zinc plated
DH3832	667	Full	50	12,7 x 45,7	●	●					zinc plated
3832 TR/ HDTR	668	Full	45	12,7 x 45,7	●	Touch 3) Release					zinc plated
3832 SC/ HDSC	669	Full	50	12,7 x 45,7	●	●			●	●	zinc plated
3832DO	670	Full	50	12,7 x 45,7	●	●	●			●	zinc plated
DA5321	671	Over	50	19,1 x 53,1		●					Aluminium
2907	672	Over	52	9,6 x 41	●			A			zinc plated
DS0330	674	Full	65	19,1 x 35		●					Stainless Steel <i>ROSTFREI</i>
3301	675	Over	68	12,7 x 50,8		●					zinc plated
3307	676	Over	68	12,7 x 50,8	●			A			zinc plated
3308	677	Over	68	12,7 x 50,8	●			E/A			zinc plated
0305	678	Over	70	19,1 x 35,5	●			A			zinc plated
0301	679	Over	70	19,1 x 35,3							zinc plated
5417	680	Over	100	17,5 x 54		●					zinc plated
DS5322	681	Over	120	20,7 x 53,1		●					Stainless Steel <i>ROSTFREI</i>
3607	682	Full	120	19,1 x 53,1	●			A			zinc plated
5321SC	683	Over	120	19,1 x 53,1		●			●		zinc plated
5321	684	Over	180	19,1 x 53,1		●					zinc plated
DS5321	684	Over	180	19,1 x 53,1		●					Stainless Steel <i>ROSTFREI</i>
0522	687	Over	180	26,5 x 95,5							zinc plated
9301	685	Full	227	19,1 x 76,2						●	zinc plated
9308	686	Full	227	19,1 x 76,2				E/A		●	zinc plated

1) A = Locks in open position. E = Locks in closed position.

2) Partial Extension in both directions.

3) Opens by pressing on the drawer (grip or knob not required).



Other Accuride Products on request.

Linear guides on page 690.