

DRAWER SLIDES

Steel Linear Guides

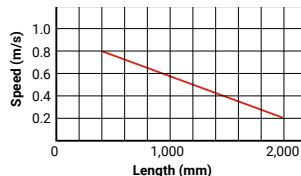


Steel Drawer Slides

Product Overview

The Steel Drawer Slide product family is composed of five products: four telescoping slides and one standard linear rail. These products vary in maximum load, length, stroke and footprint while utilizing the same high-quality base components.

- External and internal rails are composed of cold drawn steel that is induction hardened to 56.5- 60.5 HRC. Zinc plating prevents rusts and corrosion
- High-quality steel balls improve wear-resistance and reduce noise
- Maximum speed depends on the length of the ball cage and internal slider. Use the graph to determine the maximum permitted speed.
- Operating temp. range from -20° to 120° C (-4° to 148° F)
- External rails are shipped pre-lubricated. Re-lubricate every 100 kilometers (62 miles) running.
- Use of external end stops are recommended for the loaded system
- Compatible bolt size:
28mm = M5, 35mm = M6, and 43mm = M8



Features

- High load capacity up to 24,230 N
- Excellent rigidity
- Low friction & low noise
- Exceptional wear-resistant properties
- High speed up to 0.8 m/s
- Extreme operating temperature 120°C (248°F)

SDP Steel Drawer Partial Extension				
Design:		Composed of an internal slider, ball cage, & external rail		
Features:		Stroke can reach up to half the rail length.		
Length (mm)		Stroke (mm)		MAX Load (N)
MIN	MAX	MIN	MAX	
130	1,970	74	1,013	24,230

SDB Steel Drawer Back Mounted				
Design:		Two SDP rails bolted back-to-back		
Features:		Stroke can extend past slider's full length		
Length (mm)		Stroke (mm)		MAX Load (N)
MIN	MAX	MIN	MAX	
130	1,970	148	2,026	3,092

SDF Steel Drawer Face Mounted				
Design:		Two SDP rails bolted face-to-face		
Features:		Dust proof design protects steel balls		
Length (mm)		Stroke (mm)		MAX Load (N)
MIN	MAX	MIN	MAX	
130	1,970	148	2,026	1,909

SDC Steel Drawer C-Shaped				
Design:		SDP rail with screws on each end of the rail as end stops		
Features:		Internal slider does not extend past external rail. Multiple internal sliders possible.		
Length (mm)		Stroke (mm)		MAX Load (N)
MIN	MAX	MIN	MAX	
130	1,970	30	1,013	65,272

SDS Steel Drawer Drawer S-Beam				
Design:		Two SDP rails mounted side-by-side		
Features:		Thin structure for limited space		
Length (mm)		Stroke (mm)		MAX Load (N)
MIN	MAX	MIN	MAX	
290	1,570	296	1,520	5,578

Steel Drawer Slide Parts

Applications

Medical/Lab Storage Drawers



Automotive Fleet Customization



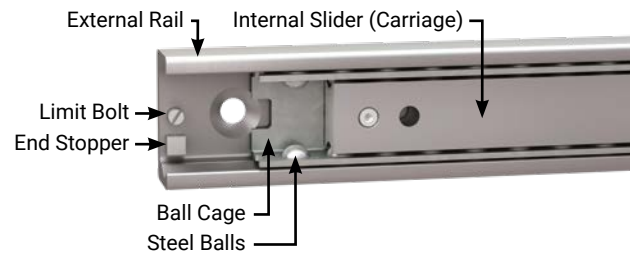
Warehouse and Fulfillment Centers



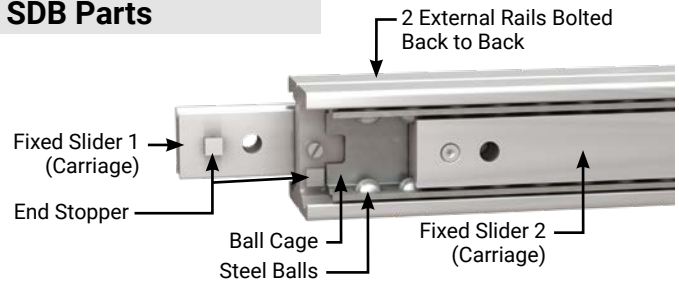
Large Scale Office Storage



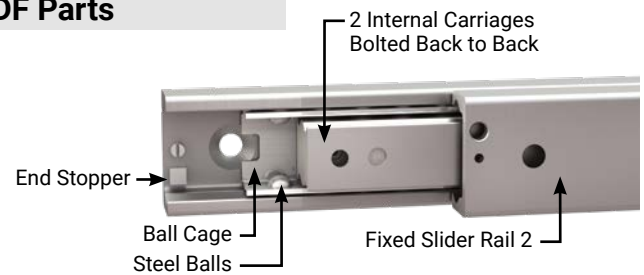
SDP Parts



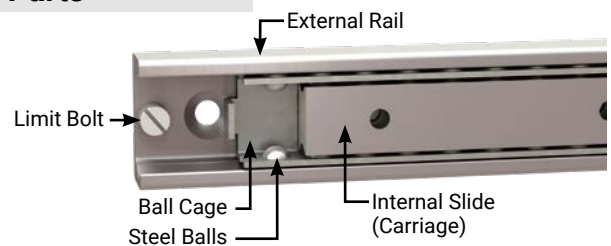
SDB Parts



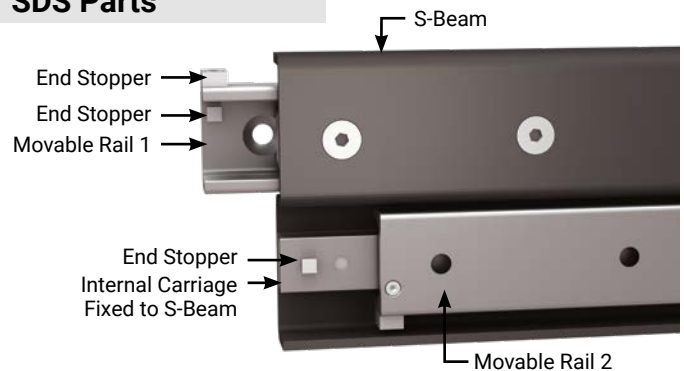
SDF Parts



SDC Parts



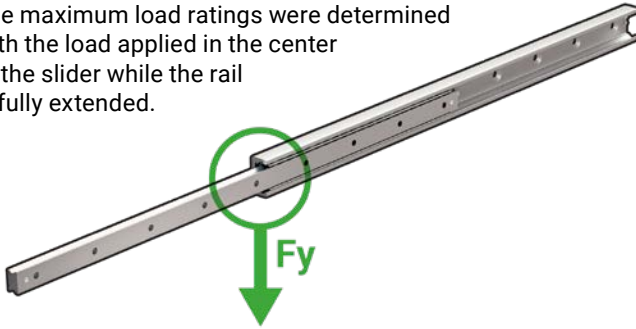
SDS Parts



Steel Drawer Slides Technical

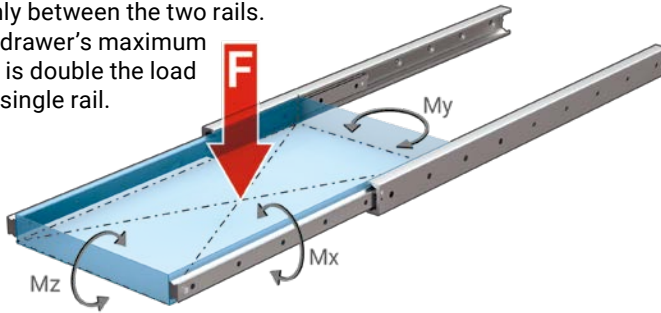
Load Capacity

The maximum load ratings were determined with the load applied in the center of the slider while the rail is fully extended.



Parallel Rails

When used in a parallel rail system, the load should be distributed evenly between the two rails. The drawer's maximum load is double the load of a single rail.



Lubrication & Temperature

High quality lubrication is helpful for the rail's working life. It also could reduce running noise. Drawer slides ship with lubrication in the raceways which allows for normal function within a temperature range of -4°F–248°F (-20°C–120°C). Recommended to re-lubricate every 350 feet of running length.

Load Calculations

Steel Drawer Slide life is determined by several factors. Factors that effect load include: direction shift frequency, running speed, installation precision, vibration, shock, working condition, temperature, and lubrication.

Equivalent Load LF

$$W_{eqv} = F_{ya} + \left(\frac{F_{za}}{F_z} + \frac{M_{xa}}{M_x} + \frac{M_{ya}}{M_y} + \frac{M_{za}}{M_z} \right) F_y$$

Life Calculation

$$L_{km} = 100 \cdot \left(\frac{F_d}{W_{eqv} \cdot s.f.} \right)^3$$

F_{ya}	Actual load in Y direction (N)
F_{za}	Actual load in Z direction (N)
M_{xa}	Actual moment load in X directiron (Nm)
M_{ya}	Actual moment in Y directiron (Nm)
M_{za}	Actual moment in Z directiron (Nm)
F_y	Load capacity in Y direction (N)
F_z	Load capacity in Z direction (N)
M_x	Moment capacity in X directiron (Nm)
M_y	Moment capacity in Y directiron (Nm)
M_z	Moment capacity in Z directiron (Nm)

Note: Parameters can be taken from the Load Capacity tables

Safety Factor (s.f.)

Consistently smooth motion with low frequency of travel reversal, slow speed (<30% MAX), no shock load or vibration, no elastic yield or deformation, clean environment	1.3–1.8
Normal assembly or shop floor conditions, moderate speed (30% MAX to 75% MAX), normal shock or vibration conditions	1.8–2.3
Frequent reversal of travel, high speeds (>75% MAX), shock loads and/or vibration present, high elastic yield or deformation, heavy dirt and dust in environment	2.3–3.5

SDP Steel Drawer Slides

Partial-Extension

The SDP series uses an internal slider, ball cage, and external rail to provide smooth partial extension motion, typically up to half the rail length. Ideal for compact trays and equipment requiring controlled partial extension with high load capacity.

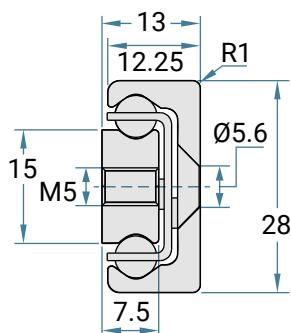


Series	Size	Direction	Rail Length
SDP	28	S	0000

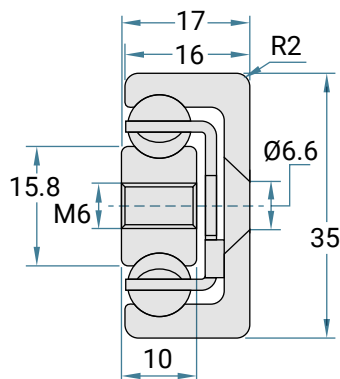
Series SDP = Steel Drawer Partial Extension	Length mm 0130 0770 1410 0210 0850 1490 0290 0930 1570 0370 1010 1650 0450 1090 1730 0530 1170 1810 0610 1250 1890 0690 1330 1970
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Nominal Size 28 = Nominal width of 28 mm 35 = Nominal width of 35 mm 43 = Nominal width of 43 mm	Slide Direction S = Movable Single Direction D = Movable Double Direction	Only available in size 28 mm Available in all sizes Only available in size 35 & 43 mm Only available in size 43 mm
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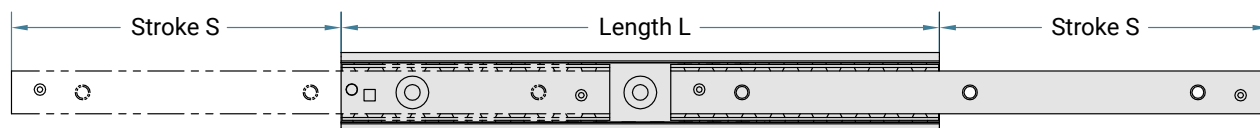
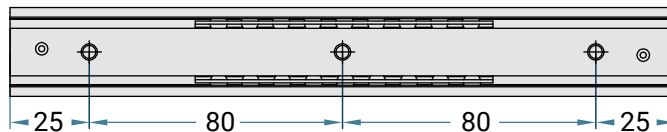
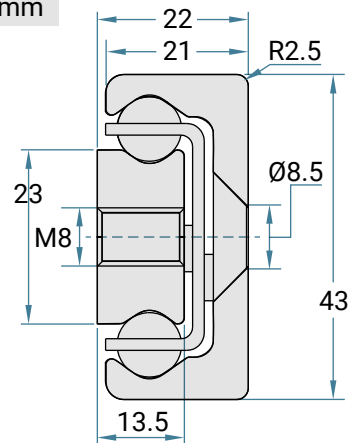
Size 28 mm



Size 35 mm



Size 43 mm



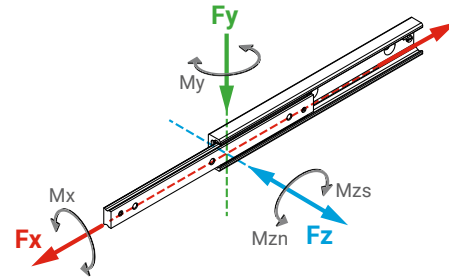
SDP Steel Drawer Slide Load Capacities

SDP



SDP28 Rails

Part Number Size- Length (mm)	Stroke mm	Fy N	Fz N	Mx Nm	My Nm	Mz Nm	Fd N	No. of Holes
SDP28X- 130	74	612	430	16	21	29	873	2
SDP28X- 210	116	1,117	782	27	59	83	1,579	3
SDP28X- 290	148	1,935	1,355	40	133	187	2,693	4
SDP28X- 370	190	2,446	1,712	51	214	306	3,403	5
SDP28X- 450	232	2,956	2,070	62	315	450	4,120	6
SDP28X- 530	274	3,467	2,427	73	436	620	4,835	7
SDP28X- 610	316	3,978	2,785	83	577	820	5,558	8
SDP28X- 690	358	4,489	3,142	94	736	1,051	6,273	9
SDP28X- 770	400	4,996	3,499	105	915	1,308	6,985	10
SDP28X- 850	433	5,829	4,082	118	1,166	1,667	8,113	11
SDP28X- 930	475	6,336	4,437	130	1,390	1,985	8,810	12
SDP28X- 1010	517	6,849	4,795	140	1,633	2,329	9,526	13
SDP28X- 1090	559	7,359	5,150	151	1,894	2,704	10,239	14
SDP28X- 1170	601	7,868	5,508	162	2,176	3,109	10,953	15



SDP43 Rails

Part Number Size- Length (mm)	Stroke mm	Fy N	Fz N	Mx Nm	My Nm	Mz Nm	Fd N	No. of Holes
SDP43X- 210	123	1,596	1,118	61	85	121	2,288	3
SDP43X- 290	158	2,873	2,012	94	202	289	4,055	4
SDP43X- 370	208	3,378	2,365	116	307	441	4,794	5
SDP43X- 450	243	4,691	3,285	150	510	730	6,602	6
SDP43X- 530	278	6,040	4,228	185	763	1,089	8,451	7
SDP43X- 610	313	7,412	5,189	216	1,065	1,520	10,325	8
SDP43X- 690	363	7,865	5,506	238	1,295	1,850	11,007	9
SDP43X- 770	398	9,233	6,465	273	1,682	2,403	12,879	10
SDP43X- 850	433	10,617	7,430	305	2,120	3,029	14,763	11
SDP43X- 930	483	11,056	7,740	328	2,440	3,485	15,430	12
SDP43X- 1010	518	12,435	8,705	360	2,962	4,231	17,311	13
SDP43X- 1090	568	12,878	9,015	383	3,336	4,767	17,981	14
SDP43X- 1170	603	14,256	9,980	416	3,945	5,635	19,861	15
SDP43X- 1250	638	15,640	10,948	450	4,597	6,572	21,749	16
SDP43X- 1330	688	16,076	11,255	471	5,066	7,238	22,412	17
SDP43X- 1410	723	17,458	12,220	504	5,806	8,296	24,298	18
SDP43X- 1490	758	18,848	13,192	538	6,599	9,426	26,187	19
SDP43X- 1570	793	20,240	14,168	571	7,442	10,630	28,085	20
SDP43X- 1650	843	20,663	14,465	593	8,031	11,473	28,735	21
SDP43X- 1730	878	22,055	15,438	626	8,958	12,796	30,628	22
SDP43X- 1810	928	22,480	15,738	648	9,604	13,718	31,280	23
SDP43X- 1890	963	23,865	16,709	682	10,615	15,163	33,170	24
SDP43X- 1970	1,013	24,230	17,010	705	11,315	16,162	33,827	25

Note: MAX loads are double when two rails are mounted in parallel.

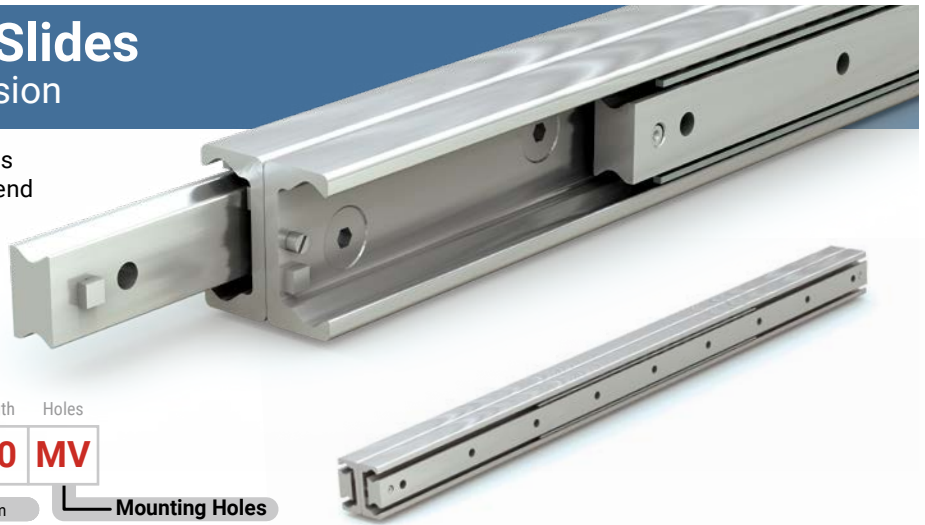
SDP35 Rails

Part Number Size- Length (mm)	Stroke mm	Fy N	Fz N	Mx Nm	My Nm	Mz Nm	Fd N	No. of Holes
SDP35X- 210	127	1,066	745	29	58	81	1,532	3
SDP35X- 290	159	2,061	1,441	47	147	207	2,905	4
SDP35X- 370	203	2,639	1,846	60	239	339	3,720	5
SDP35X- 450	247	3,217	2,251	73	355	504	4,536	6
SDP35X- 530	279	4,282	2,996	90	544	774	5,989	7
SDP35X- 610	323	4,859	3,400	104	712	1,014	6,802	8
SDP35X- 690	367	5,436	3,803	117	903	1,287	7,611	9
SDP35X- 770	399	6,522	4,564	134	1,192	1,701	9,092	10
SDP35X- 850	443	7,096	4,965	147	1,436	2,049	9,902	11
SDP35X- 930	487	7,670	5,367	160	1,703	2,430	10,713	12
SDP35X- 1010	519	8,766	6,135	178	2,093	2,988	12,200	13
SDP35X- 1090	563	9,338	6,535	191	2,413	3,444	13,008	14
SDP35X- 1170	607	9,910	6,936	204	2,755	3,933	13,817	15
SDP35X- 1250	639	11,013	7,707	221	3,246	4,635	15,310	16
SDP35X- 1330	683	11,583	8,106	234	3,641	5,199	16,117	17
SDP35X- 1410	727	12,154	8,506	247	4,059	5,796	16,924	18
SDP35X- 1490	759	13,261	9,281	265	4,651	6,642	18,422	19

SDB Steel Drawer Slides

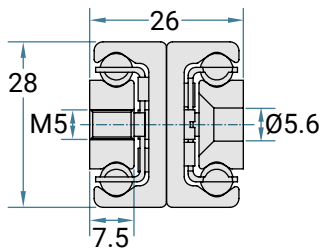
Back-Mounted • Full-Extension

The SDB configuration bolts two SDP rails back-to-back, allowing the system to extend beyond the length of the internal slider. Slide moveable in single and double directions. Ideal for long-stroke extension applications where reach is the highest priority.

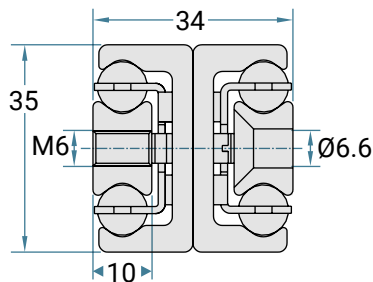


Series	Size	Direction	Rail Length	Holes
SDB	28	S	0000	MV
Series				
SDB = Steel Drawer Back-Mounted				
Nominal Size				
28 = Nominal width of 28 mm				
35 = Nominal width of 35 mm				
43 = Nominal width of 43 mm				
Slide Direction				
S = Movable Single Direction				
D = Movable Double Direction				
Length mm				
0130	0770	1410	Mounting Holes	
0210	0850	1490		
0290	0930	1570		
0370	1010	1650		
0450	1090	1730		
0530	1170	1810		
0610	1250	1890		
0690	1330	1970		
Only available in size 28 mm			MV = Standard In Stock	
Available in all sizes			MM = Two M type holes	
Only available in size 35 & 43 mm			VV = Two V type holes	
Only available in size 43 mm			CM = One C type/One M type	
			CV = One C type/One V type	
			CC = Two C type holes	
			V = DIN7991 bolt	
			C = DIN7984 bolt	
			M = 28 mm rail - M5 bolt	
			35 mm rail - M6 bolt	
			43 mm rail - M8 bolt	

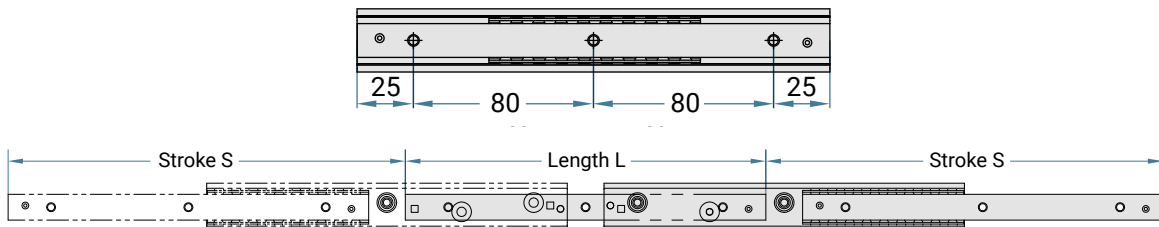
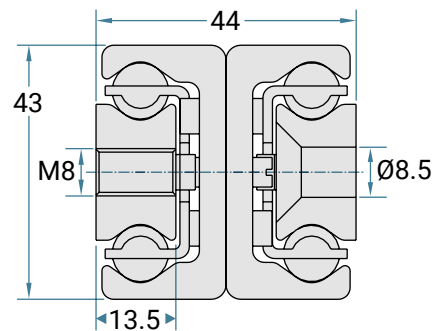
Size 28 mm



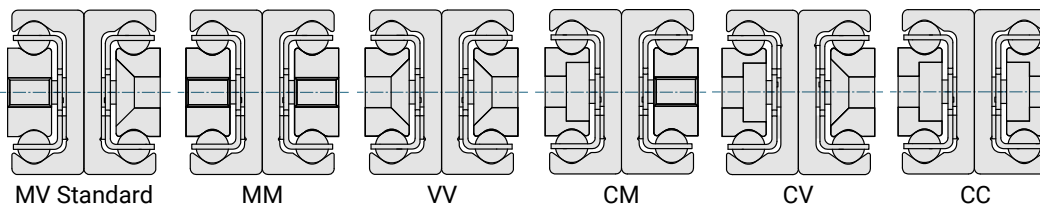
Size 35 mm



Size 43 mm



Mounting Holes Options



*MV standard: Product configuration is in stock. Other configurations have longer lead times

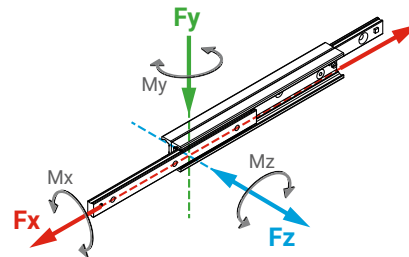
SDB Steel Drawer Slide Load Capacities

SDB



SDB28 Load Capacity

Part Number	Length mm	Stroke mm	Fy N	Fz N	Fd N	No. of Holes
SDB28X-0130	130	148	236	165	358	2
SDB28X-0210	210	232	433	303	656	3
SDB28X-0290	290	296	768	538	1,155	4
SDB28X-0370	370	380	969	472	1,456	5
SDB28X-0450	450	464	1,170	386	1,760	6
SDB28X-0530	530	548	1,108	326	2,065	7
SDB28X-0610	610	633	956	281	2,370	8
SDB28X-0690	690	717	845	248	2,673	9
SDB28X-0770	770	801	754	220	2,978	10
SDB28X-0850	850	866	712	209	3,489	11
SDB28X-0930	930	950	647	190	3,785	12
SDB28X-1010	1,010	1,034	593	175	4,086	13
SDB28X-1090	1,090	1,118	548	161	4,389	14
SDB28X-1170	1,170	1,202	509	150	4,691	15



SDB43 Load Capacity

Part Number	Length mm	Stroke mm	Fy N	Fz N	Fd N	No. of Holes
SDB43X-0210	210	246	606	425	923	3
SDB43X-0290	290	316	1,115	781	1,687	4
SDB43X-0370	370	416	1,302	912	1,974	5
SDB43X-0450	450	486	1,827	1,280	2,764	6
SDB43X-0530	530	556	2,376	1,435	3,580	7
SDB43X-0610	610	626	2,935	1,303	4,414	8
SDB43X-0690	690	726	3,092	1,096	4,661	9
SDB43X-0770	770	796	3,056	1,018	5,493	10
SDB43X-0850	850	866	2,848	945	6,335	11
SDB43X-0930	930	966	2,508	835	6,572	12
SDB43X-1010	1,010	1,036	2,365	788	7,411	13
SDB43X-1090	1,090	1,106	2,239	745	8,257	14
SDB43X-1170	1,170	1,206	2,020	673	8,489	15
SDB43X-1250	1,250	1,276	1,929	642	9,332	16
SDB43X-1330	1,330	1,376	1,767	588	9,568	17
SDB43X-1410	1,410	1,446	1,694	565	10,409	18
SDB43X-1490	1,490	1,516	1,628	542	11,255	19
SDB43X-1570	1,570	1,586	1,568	523	12,105	20
SDB43X-1650	1,650	1,686	1,460	487	12,330	21
SDB43X-1730	1,730	1,756	1,407	470	13,178	22
SDB43X-1810	1,810	1,856	1,322	440	13,406	23
SDB43X-1890	1,890	1,926	1,281	426	14,252	24
SDB43X-1970	1,970	2,026	1,207	402	14,483	25

SDB35 Load Capacity

Part Number	Length mm	Stroke mm	Fy N	Fz N	Fd N	No. of Holes
SDB35X-0210	210	254	403	282	615	3
SDB35X-0290	290	318	801	561	1,212	4
SDB35X-0370	370	406	1,026	719	1,553	5
SDB35X-0450	450	494	1,251	794	1,893	6
SDB35X-0530	530	558	1,686	729	2,541	7
SDB35X-0610	610	646	1,909	627	2,879	8
SDB35X-0690	690	734	1,690	549	3,218	9
SDB35X-0770	770	798	1,592	517	3,882	10
SDB35X-0850	850	886	1,426	464	4,219	11
SDB35X-0930	930	974	1,292	420	4,556	12
SDB35X-1010	1,010	1,038	1,234	401	5,227	13
SDB35X-1090	1,090	1,126	1,132	368	5,562	14
SDB35X-1170	1,170	1,214	1,046	340	5,898	15
SDB35X-1250	1,250	1,278	1,007	328	6,574	16
SDB35X-1330	1,330	1,366	938	305	6,908	17
SDB35X-1410	1,410	1,454	878	286	7,243	18
SDB35X-1490	1,490	1,518	851	277	7,921	19

Note: MAX loads are double when two rails are mounted in parallel.

SDF Steel Drawer Slides

Face-Mounted • Full-Extension

Two SDP rails mounted face-to-face create the SDF series, featuring a dust-resistant design that helps protect the steel ball bearings from contamination. Slide moveable in single and double directions. Ideal for use in dusty environments or exposed motion paths.



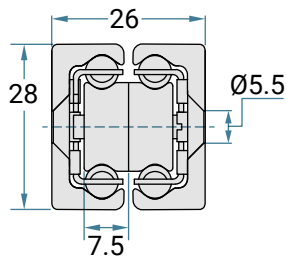
Series	Size	Direction	Rail Length
SDF	28	S	0000

Series	Length mm
SDF = Steel Drawer Face-Mounted	
Nominal Size	
28 = Nominal width of 28 mm	
35 = Nominal width of 35 mm	
43 = Nominal width of 43 mm	
Slide Direction	
S = Movable Single Direction	
D = Movable Double Direction	

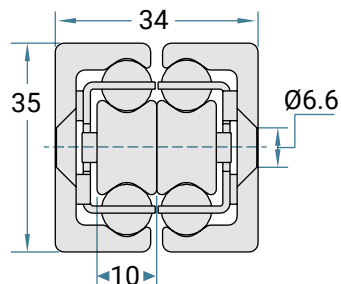
Length mm	0130	0770	1410
0210	0850	1490	
0290	0930	1570	
0370	1010	1650	
0450	1090	1730	
0530	1170	1810	
0610	1250	1890	
0690	1330	1970	

- Only available in size 28 mm
- Available in all sizes
- Only available in size 35 & 43 mm
- Only available in size 43 mm

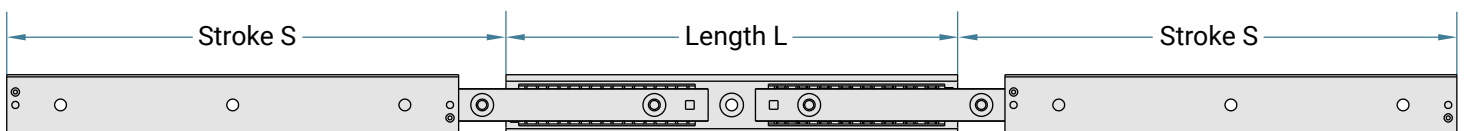
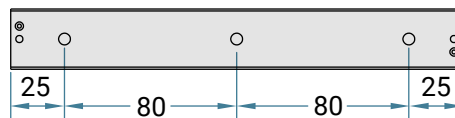
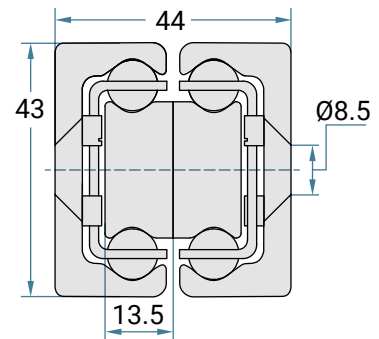
Size 28 mm



Size 35 mm



Size 43 mm



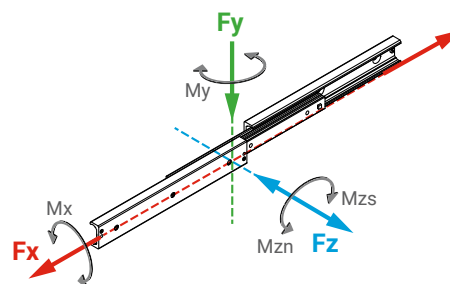
SDF Steel Drawer Slide Load Capacities

SDF



SDF28 Load Capacity

Part Number	Length mm	Stroke mm	Fy N	Fz N	Fd N	No. of Holes
SDF28X-0130	130	148	240	165	360	2
SDF28X-0210	210	232	432	302	655	3
SDF28X-0290	290	296	622	537	1,153	4
SDF28X-0370	370	380	482	482	1,456	5
SDF28X-0450	450	464	394	394	1,760	6
SDF28X-0530	530	548	332	332	2,063	7
SDF28X-0610	610	633	286	286	2,372	8
SDF28X-0690	690	717	255	255	2,670	9
SDF28X-0770	770	801	227	227	2,980	10
SDF28X-0850	850	866	213	213	3,487	11
SDF28X-0930	930	950	191	191	3,783	12
SDF28X-1010	1,010	1,034	178	178	4,086	13
SDF28X-1090	1,090	1,118	165	165	4,388	14
SDF28X-1170	1,170	1,202	153	153	4,692	15



SDF43 Load Capacity

Part Number	Length mm	Stroke mm	Fy N	Fz N	Fd N	No. of Holes
SDF43X-0210	210	246	610	425	925	3
SDF43X-0290	290	316	1,114	780	1,687	4
SDF43X-0370	370	416	1,300	910	1,974	5
SDF43X-0450	450	486	1,335	1,285	2,764	6
SDF43X-0530	530	556	1,193	1,193	3,580	7
SDF43X-0610	610	626	1,083	1,083	4,415	8
SDF43X-0690	690	726	920	920	4,665	9
SDF43X-0770	770	796	845	845	5,493	10
SDF43X-0850	850	866	785	785	6,331	11
SDF43X-0930	930	966	693	693	6,572	12
SDF43X-1010	1,010	1,036	655	655	7,412	13
SDF43X-1090	1,090	1,106	619	619	8,257	14
SDF43X-1170	1,170	1,206	556	556	8,485	15
SDF43X-1250	1,250	1,276	533	533	9,332	16
SDF43X-1330	1,330	1,376	488	488	9,568	17
SDF43X-1410	1,410	1,446	473	473	10,415	18
SDF43X-1490	1,490	1,516	450	450	11,255	19
SDF43X-1570	1,570	1,586	434	434	12,105	20
SDF43X-1650	1,650	1,686	400	400	12,330	21
SDF43X-1730	1,730	1,756	390	390	13,178	22
SDF43X-1810	1,810	1,856	366	366	13,407	23
SDF43X-1890	1,890	1,926	352	352	14,250	24
SDF43X-1970	1,970	2,026	335	335	14,484	25

SDF35 Load Capacity

Part Number	Length mm	Stroke mm	Fy N	Fz N	Fd N	No. of Holes
SDF35X-0210	210	254	403	282	615	3
SDF35X-0290	290	318	801	561	1,212	4
SDF35X-0370	370	406	1,026	719	1,553	5
SDF35X-0450	450	494	1,251	794	1,893	6
SDF35X-0530	530	558	1,686	729	2,541	7
SDF35X-0610	610	646	1,909	627	2,879	8
SDF35X-0690	690	734	1,690	549	3,218	9
SDF35X-0770	770	798	1,592	517	3,882	10
SDF35X-0850	850	886	1,426	464	4,219	11
SDF35X-0930	930	974	1,292	420	4,556	12
SDF35X-1010	1,010	1,038	1,234	401	5,227	13
SDF35X-1090	1,090	1,126	1,132	368	5,562	14
SDF35X-1170	1,170	1,214	1,046	340	5,898	15
SDF35X-1250	1,250	1,278	1,007	328	6,574	16
SDF35X-1330	1,330	1,366	938	305	6,908	17
SDF35X-1410	1,410	1,454	878	286	7,243	18
SDF35X-1490	1,490	1,518	851	277	7,921	19

Note: MAX loads are double when two rails are mounted in parallel.

SDS_S & SDS_D Steel Drawer Slides

S-Beam • Full-Extension

The SDS series mounts two SDP rails side-by-side in a thin S-Beam configuration, providing guided motion where installation space is limited. Slide moveable in single and double directions. Ideal for use in space-constrained designs that require stable, guided extension.



SDS_S



SDS_D



Series	Size	Direction	Rail Length
SDS	28	S	0000

Series

SDS = Steel Drawer S-Beam

Nominal Size

28 = Nominal width of 28 mm

43 = Nominal width of 43 mm

Slide Direction

S = Movable Single Direction

D = Movable Double Direction

Length mm

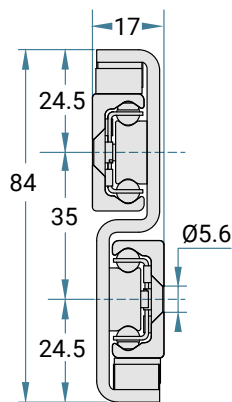
0290	0770	1250
0370	0850	1330
0450	0930	1410
0530	1010	1490
0610	1090	1570
0690	1170	

■ Only available in size 28 mm

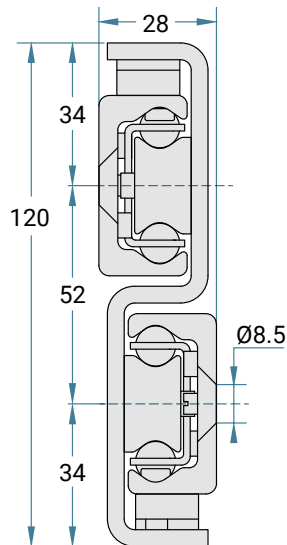
■ Available in both sizes

■ Only available in size 43 mm

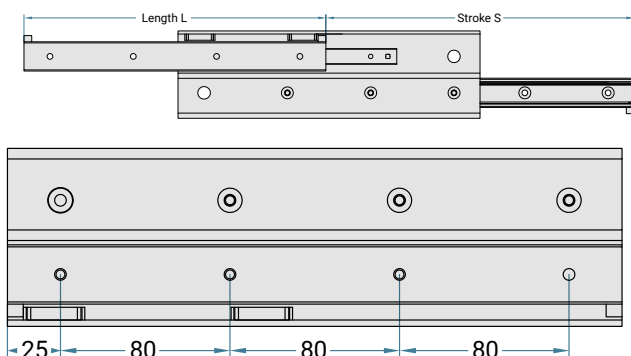
Size 28 mm



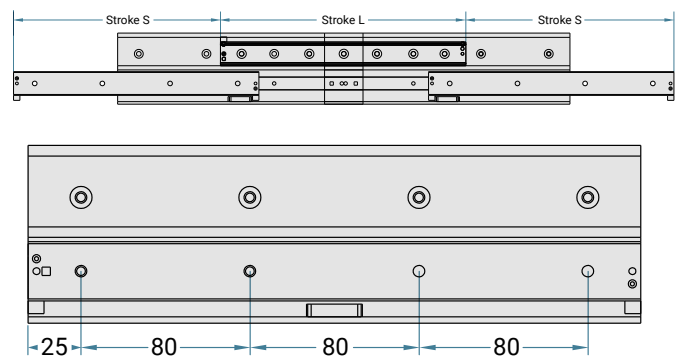
Size 43 mm



SDS_S



SDS_D



SDS_S & SDS_D Steel Drawer Slide Load Capacities

SDS_S



SDS_D



SDS28S Load Capacity

Part Number	Length mm	Stroke mm	Fy N	Fd N	No. of Holes
SDS28S-0290	290	296	570	864	4
SDS28S-0370	370	380	769	1,164	5
SDS28S-0450	450	464	969	1,465	6
SDS28S-0530	530	548	1,170	1,768	7
SDS28S-0610	610	630	1,376	2,079	8
SDS28S-0690	690	714	1,577	2,385	9
SDS28S-0770	770	798	1,778	2,684	10
SDS28S-0850	850	864	2,111	3,210	11
SDS28S-0930	930	950	2,240	3,475	12
SDS28S-1010	1,010	1,034	2,054	3,778	13

SDS28D Load Capacity

Part Number	Length mm	Stroke mm	Fy N	Fd N	No. of Holes
SDS28D-0290	290	246	896	864	4
SDS28D-0370	370	326	1,105	1,164	5
SDS28D-0450	450	406	1,320	1,465	6
SDS28D-0530	530	486	1,626	1,768	7
SDS28D-0610	610	566	1,838	2,079	8
SDS28D-0690	690	646	2,055	2,385	9
SDS28D-0770	770	726	2,262	2,684	10
SDS28D-0850	850	806	2,485	3,210	11
SDS28D-0930	930	886	2,582	3,475	12
SDS28D-1010	1,010	966	2,357	3,778	13

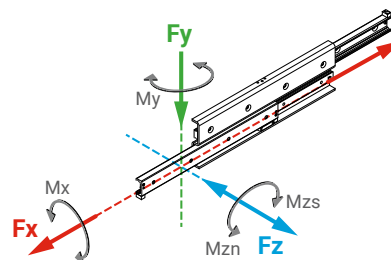
SDS43S Load Capacity

Part Number	Length mm	Stroke mm	Fy N	Fd N	No. of Holes
SDS43S-0530	530	556	2,061	3,121	7
SDS43S-0610	610	626	2,603	3,953	8
SDS43S-0690	690	726	2,775	4,197	9
SDS43S-0770	770	796	3,319	5,010	10
SDS43S-0850	850	866	3,873	5,837	11
SDS43S-0930	930	966	4,036	6,095	12
SDS43S-1010	1,010	1,036	4,590	6,916	13
SDS43S-1090	1,090	1,106	4,908	7,750	14
SDS43S-1170	1,170	1,206	4,610	7,645	15
SDS43S-1250	1,250	1,276	4,398	8,829	16
SDS43S-1330	1,330	1,376	4,027	9,077	17
SDS43S-1410	1,410	1,446	3,864	9,909	18
SDS43S-1490	1,490	1,516	3,713	10,750	19
SDS43S-1570	1,570	1,616	3,445	10,988	20

SDS43D Load Capacity

Part Number	Length mm	Stroke mm	Fy N	Fd N	No. of Holes
SDS43D-0530	530	480	3,019	3,121	7
SDS43D-0610	610	560	3,280	3,953	8
SDS43D-0690	690	640	3,781	4,197	9
SDS43D-0770	770	720	4,297	5,010	10
SDS43D-0850	850	800	4,548	5,837	11
SDS43D-0930	930	880	5,065	6,095	12
SDS43D-1010	1,010	960	5,578	6,916	13
SDS43D-1090	1,090	1,040	5,830	7,750	14
SDS43D-1170	1,170	1,120	5,390	7,645	15
SDS43D-1250	1,250	1,200	5,014	8,829	16
SDS43D-1330	1,330	1,280	4,686	9,077	17
SDS43D-1410	1,410	1,360	4,398	9,909	18
SDS43D-1490	1,490	1,440	4,140	10,750	19
SDS43D-1570	1,570	1,520	3,917	10,988	20

Note: MAX loads are double when two rails are mounted in parallel.



SDC Steel Slides

C-Shaped Guide Rail • Internal Slider

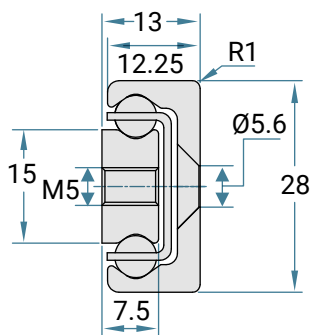
The SDC design uses an SDP rail with mechanical end stops at each end. The internal slider remains within the external rail, and multiple internal sliders can be used on a single rail. This is not a drawer slide. Ideal for extremely high load applications and multi-slider systems.



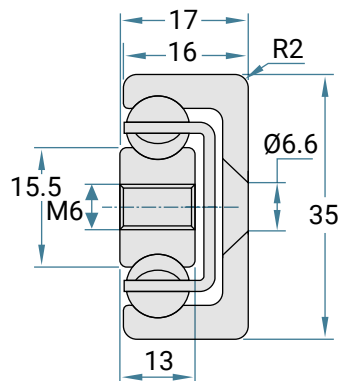
Series	Size	Rail Length	Carriage Length
SDC	28	N	0000 - 000
Length mm			
Nominal Size		Length mm	
28 = Nominal width of 28 mm		0130	0690
35 = Nominal width of 35 mm		0210	0770
43 = Nominal width of 43 mm		0290	0850
Not Applicable		0370	0930
		0450	1010
		0530	1090
		0610	1170

■ Only available in size 28 mm
■ Available in all sizes
■ Only available in size 35 & 43 mm
■ Only available in size 43 mm

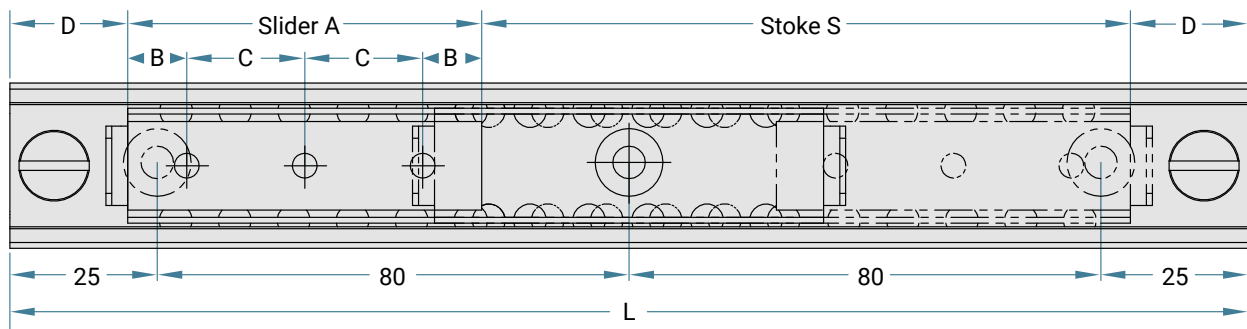
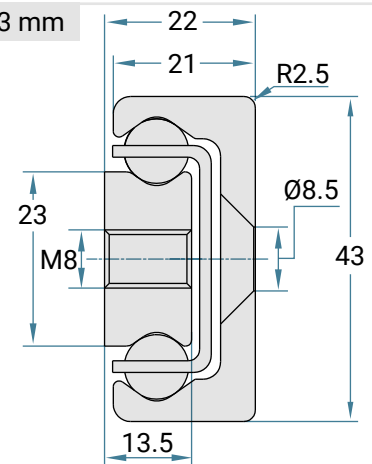
Size 28 mm



Size 35 mm



Size 43 mm



Note: Dimensions for A, B, C, and D in **SDC Dimensions** table at the bottom of next page.

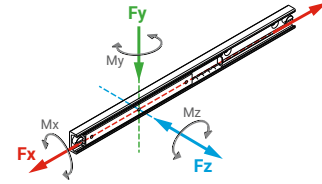
SDC Steel Drawer Slide Load Capacities

SDC



SDC28 Load Capacity

Part Number Size	Carriage Length	Fy N	Fz N	Mx Nm	My Nm	Mz Nm	Fd N	No. of Holes
SDC28N- 060		3,481	2,438	17	25	36	3,481	3
SDC28N- 080		4,642	3,249	23	44	62	4,642	4
SDC28N- 130		7,542	5,279	36	115	162	7,542	2
SDC28N- 210		12,182	8,525	60	301	427	12,200	3
SDC28N- 290		16,850	11,775	83	570	812	16,823	4
SDC28N- 370		21,461	15,024	106	928	1,324	21,461	5
SDC28N- 450		26,103	18,272	128	1,372	1,965	26,103	Ø6



SDC35 Load Capacity

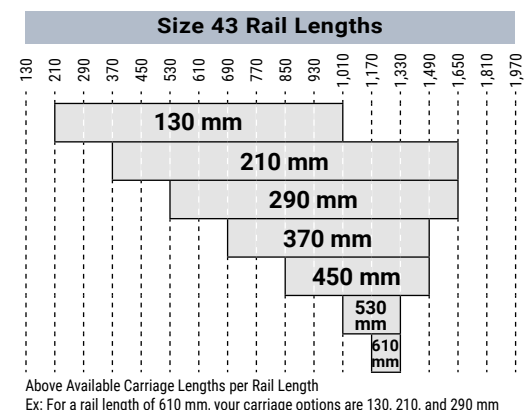
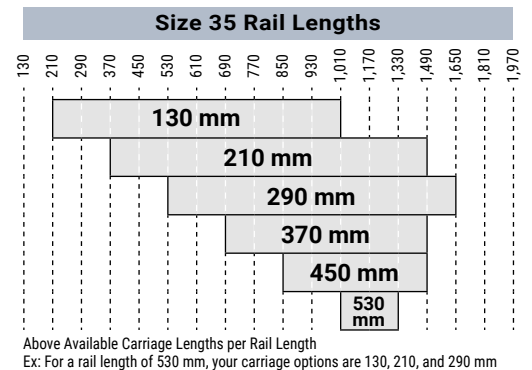
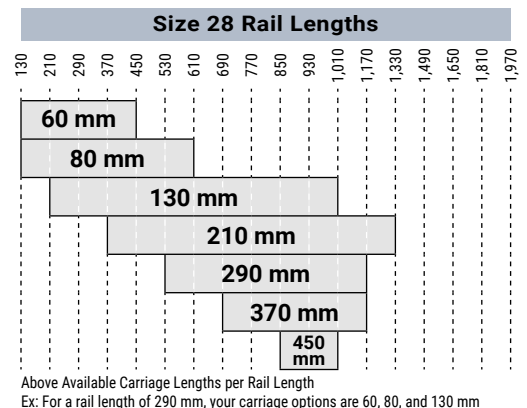
Part Number Size	Carriage Length	Fy N	Fz N	Mx Nm	My Nm	Mz Nm	Fd N	No. of Holes
SDC35N- 130		9,755	6,830	47.3	149	212	8,697	2
SDC35N- 210		15,755	11,030	76.2	385	550	14,572	3
SDC35N- 290		21,755	15,230	105.5	736	1,053	20,448	4
SDC35N- 370		27,755	19,430	134.6	1,200	1,713	26,173	5
SDC35N- 450		33,755	23,630	163.6	1,773	2,532	32,198	6
SDC35N- 530		39,755	27,830	192.7	2,461	3,513	38,073	7
SDC35N- 610		45,755	32,030	221.4	3,254	4,650	43,948	8

SDC43 Load Capacity

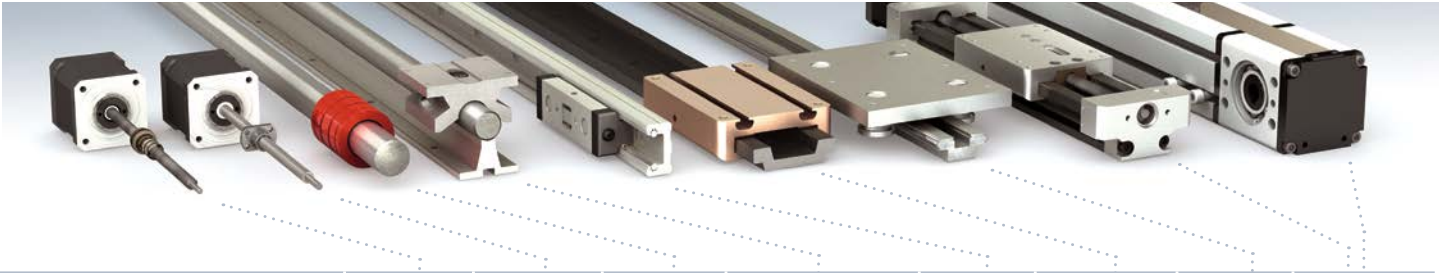
Part Number Size	Carriage Length	Fy N	Fz N	Mx Nm	My Nm	Mz Nm	Fd N	No. of Holes
SDC43N- 130		13,912	9,738	97	212	302	13,912	2
SDC43N- 210		22,471	15,743	156	550	786	22,471	3
SDC43N- 290		31,032	21,723	215	1,060	1,503	31,032	4
SDC43N- 370		39,633	27,715	272	1,710	2,442	39,592	5
SDC43N- 450		48,151	33,704	333	2,528	3,612	48,151	6
SDC43N- 530		56,713	39,698	390	3,508	5,010	56,713	7
SDC43N- 610		65,272	45,689	451	4,646	6,637	65,272	8

SDC Dimensions

Size	A Carriage Length mm	B mm	C mm	D mm
SDC28	60	10	20	20
	80	10	20	
	130 thru 450	25	80	
SDC35	All Lengths	25	80	25
SDC43	All Lengths	25	80	25



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Low Maintenance	●	●	●	●		●		●
Compact Size	●	●				●		●
Low Noise	●		●					●
Multiple Configurations	●	●	●	●	●	●	●	●
Washdown Applications	●		●			●		●
Custom Design Support	●	●	●	●	●	●	●	●
Moderate to High Speed	●	●	●	●	●	●	●	●
Vacuum & Cleanroom Applications	●	●*	●			●		●
Food Processing	●	●*	●	●		●		
Ease of Installation	●	●			●		●	●

* Only with special lubricants

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