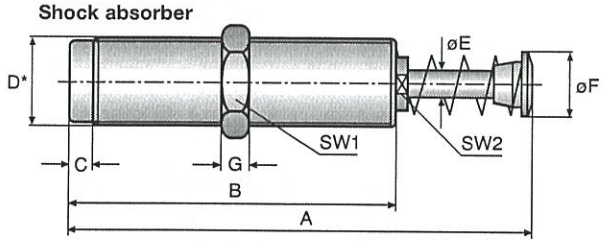
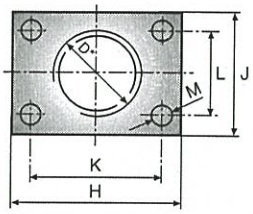
Dimensions SDVN 6 bis 10

Shock absorber





Rectangular flange
Steel, black oxide

Order example

SDVN 8 - 25 - M 20 x 1.5

Type
Piston ø
Stroke
Thread

Dampers are supplied as standard with internal reservoir and spring return They are ready for use upon assembly

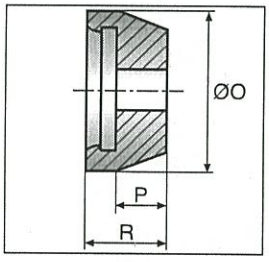
Accessory:

Rectangular flange for SDVN 8 - M 20 x 1.5

Type SDVN	A	B	C	D*	* Special thread on request	øE	øF	G	SW1	SW2	Rectangular flange H	J	K	L	øM	N
6 - 13	100	73	7	M 16 x 1.5	-	5	12	5	19	7	35	25	27	17	4.5	10
8 - 13	100	74	7	M 20 x 1.5	M 22 x 1.5	6	15	6	24	10	40	30	32	22	4.5	12
8 - 25	138	97														
10 - 25	143	102	7	M 24 x 1.5	M 25 x 1.5	8	19	8	30	13	50	35	40	25	5.5	12
10 - 50	227	147			M 27 x 1.5, M 27											

*We reserve the right to change dimensions. Arrange end stop 0.5 -1 mm before end of stroke. Adjustment by rotating SW2. * Use standard threads. Special threads not suitable for new version.*

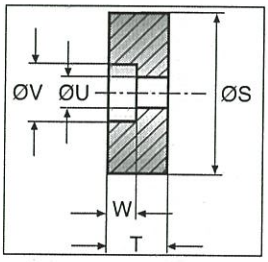
Additional accessories:



Stop head:
To push over the ram head
Advantage:
Noise reduction
Material:
Nylon

Stop head for SDVN	strokes	ø O	P	R
6	13	16	6	11
8	13, 25	20	6	11
10	25, 50	24	8	13

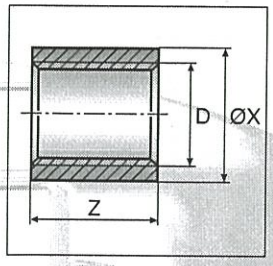
Order example:
Head for SDVN 6



Stop plate:
To be fitted to item to be braked
Advantage:
Noise reduction
Material:
Nylon

Stop plate for SDVN	strokes	ø S	T	ø U	ø V	W
6	13	12	8	3.2	6	3.5
8	13, 25	16	8	3.2	6	3.5
10	25, 50	20	10	4.2	7.5	5

Order example:
Stop plate for SDVN 10



Fixed stop:
Screwed on thread of damper
Advantage:
No external stop required
Material:
Steel, black oxide

Fixed stop for SDVN	strokes	D	ø X	Z
6	13	M 16 x 1.5	20	30
8	13, 25	M 20 x 1.5	25	30
10	25, 50	M 24 x 1.5	32	50

Order example:
Fixed stop for SDVN 8 - M 20 x 1.5

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Performance data

Type SDVN	piston ø mm	stroke mm	energy consumption ratings per stroke① Nm/Hub	per hour (IT) ③ kNm/h	per hour (AT) ④ kNm/h ②	max. braking load kg	return force Min. N	Max. N	allowable side force	weight basic vers. approx. kg
6 - 13	6	13	14	36	-	70	9	15	3°	0.09
8 - 13	8	13	25	45	-	125	9	21	4°	0.15
8 - 25		25	50	58	-	250	9	24	3°	0.18
10 - 25	10	25	75	70	-	375	14	26	3°	0.28
10 - 50		50	150	92	-	750	15	27	1,5°	0.40
12 - 25	12	25	125	80	120	625	29	50	4°	0.6
12 - 50		50	250	105	152	1,250	26	56	2°	0.75
12 - 75		75	375	130	195	1,875	26	58	1°	0.9
18 - 25	18	25	250	120	180	1,250	56	76	4°	1.1
18 - 50		50	500	150	225	2,500	36	76	3°	1.3
18 - 75		75	750	180	270	3,750	38	76	2°	1.6
18 - 100		100	1,000	210	315	5,000	36	76	1°	1.9
25 - 25	25	25	500	165	248	2,500	83	115	5°	2.0
25 - 50		50	1,000	200	300	5,000	50	115	4°	2.2
25 - 75		75	1,500	235	352	7,500	48	106	2°	2.5
25 - 100		100	2,000	270	405	10,000	50	115	1°	2.9
32 - 50	32	50	1,600	250	375	8,000	97	187	5°	3.7
32 - 75		75	2,400	290	435	12,000	123	226	4°	4.1
32 - 100		100	3,200	330	495	16,000	88	226	3°	4.7
32 - 150		150	4,800	370	555	24,000	73	203	2°	5.6
40 - 50	40	50	2,500	350	525	12,500	154	275	5°	6.5
40 - 75		75	3,750	400	600	18,750	184	322	4°	7.0
40 - 100		100	5,000	450	675	25,000	138	322	3°	8.0
40 - 150		150	7,500	550	825	37,500	144	322	2°	9.5
40 - 200		200	10,000	650	975	50,000	138	322	1°	11.0
50 - 50	50	50	4,000	560	840	20,000	250	373	5°	12.0
50 - 75		75	6,000	650	975	30,000	188	373	4°	13.0
50 - 100		100	8,000	740	1.100	40,000	251	469	3°	14.0
50 - 150		150	12,000	920	1.380	60,000	142	469	2°	17.0
50 - 200		200	16,000	1.080	1.620	80,000	251	469	1°	20.0
63 - 75	63	75	9,000	910	1.365	45,000	382	683	4°	24.0
63 - 100		100	12,000	1.000	1.500	60,000	281	683	3°	26.0
63 - 150		150	18,000	1.200	1.800	90,000	280	693	2°	30.0
63 - 200		200	24,000	1.400	2.100	120,000	281	683	1°	34.0
80 - 100	80	100	20,000	1.400	2.100	100,000	546	834	4°	48.0
80 - 150		150	30,000	1.700	2.550	150,000	402	834	3°	51.0
80 - 200		200	40,000	2.000	3.000	200,000	546	834	2°	61.0
80 - 300		300	60,000	2.500	3.750	300,000	402	834	1°	77.0
100 - 125	100	125	37,500	2.100	3.150	187,500	497	1,275	4°	78.0
100 - 250		250	75,000	2.800	4.200	350,000	396	1,296	3°	101.0
100 - 375		375	112,500	3.500	5.250	562,000	367	1,317	2°	124.0
100 - 500		500	150,000	4.200	6.300	750,000	396	1,296	1°	148.0
125 - 125	125	125	60,000	3.000	4.500	300,000	717	2,096	4°	165.0
125 - 250		250	120,000	4.000	6.000	600,000	642	2,427	3°	204.0
125 - 375		375	180,000	5.000	7.500	900,000	607	2,427	2°	243.0
125 - 500		500	240,000	6.000	9.000	1,200,000	642	2,427	1°	285.0

Technical data:

Permissible velocity 0.2 - 5 m/s

Permissible temperature range 0 - 80°C

(variations on request)

Various mountings possible

Fixed stop should be 1 mm before end of stroke

① When used as emergency damper: + 40% permissible

② With dash reservoir and oil circuit higher values achievable

③ Internal reservoir

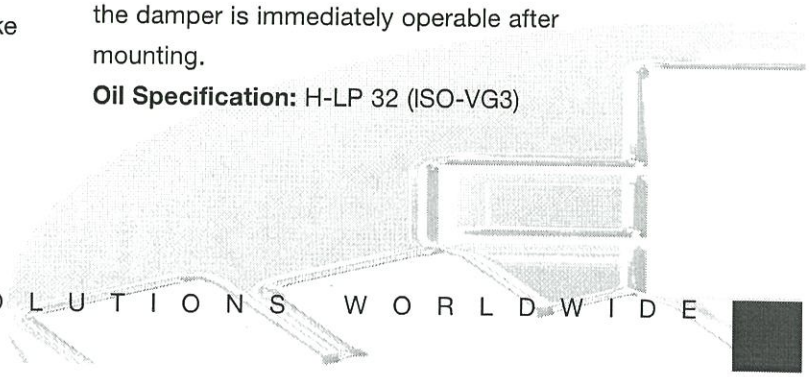
④ External dash reservoir

Special variations by request

All dampers can be steplessly adjusted to the specified load within the permissible consumption rating.

When using the internal hydraulic reservoir - the damper is immediately operable after mounting.

Oil Specification: H-LP 32 (ISO-VG3)



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