LOAD LIMITER 12

On hoist types of SM1, SM2,and SM3, the load limiter is made up of Belleville washers arranged in a box unit that is mounted to a structure. The fixed point or the jack shaft pulley exerts a force downwards, from which a slight displacement downwards results for the jack shaft subassembly. This movement actuates a limit switch in the event of an overload.

Washer assembly SM1 to SM3

Hoist	Load (kg)	Load (US Ton)	Spring washer	Number	Assembly Arrangement
SM104...R	1250	---	D	10	1x1
SM104...R	1600	---	D	8	1x1
SM104...R	2000	---	C	8	1x1
SM104...F&N	1250	---	F	16	2x2
SM104...F&N	1600	---	D	10	1x1
SM104...F&N	2000	---	C	8	1x1
SM104…R	----	1.0	E	12	1x1
SM104...F&N	----	1.0	D	10	1x1
SM104...F&N	----	1.5	D	10	1x1
SM104...F&N	----	2.0	C	10	1x1
SM204...R	2500	---	B	9	1x1
SM204...R	3200	---	A	9	1x1
SM204...R	4000	---	A	9	1x1
SM204...F&N	2500	---	B	9	1x1
SM204...F&N	3200	---	A	9	1x1
SM204...F&N	4000	---	C	12	2x2
SM204…R,F&N	----	2.5	B	9	1x1
SM204…R,F&N	----	3.0	A	9	1x1
SM204…R,F&N	----	4.0	C	12	2x2
SM304...F&N	3200	---	A	9	1x1
SM304...F&N	4000	---	A	9	1x1
SM304...F&N	5000	---	C	12	2x2
SM304...R	6300	---	C	12	2x2
SM304...F&N	6300	---	A	10	2x2
SM304…R, F&N	----	3.0	A	9	1x1
SM304…R, F&N	----	4.0	C	12	2x2
SM304…R, F&N	----	5.0	C	12	2x2
SM304…R	----	6.0	B	10	2x2
SM304…F&N	----	6.0	A	10	2x2

R = Low Headroom Trolley, F = Foot Mount, N = Standard Headroom Trolley. For double girder trolley, use F suspension arrangement.

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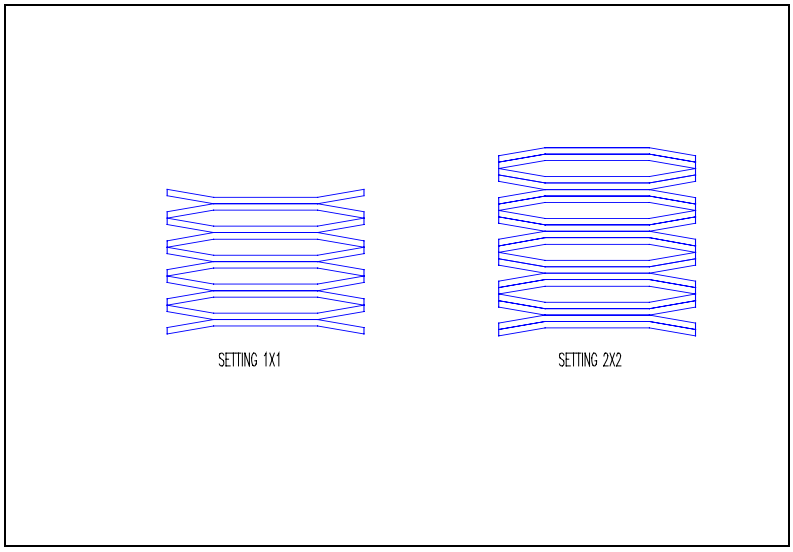
Belleville Washer Arrangement SM1 to SM3:



Spring Assembly SM4

On hoist of type SM4, the load deforms a flat " spring " with a profile shape of " C " or " H". This deformation likewise incurs a slight movement downward, with the same consequences as Belleville washer arrangement.

Hoist	Load	Spring type	Reference
SM4041..R	All	Profile H	V4LAB25A1
SM4041..F	All	Profile H	VSSA050B1
SM4122..F	All		YL0000
SM4162..F	All		YL0000

R = Low Headroom Trolley, F = Foot Mount. For double girder trolley, use F suspension arrangement.

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