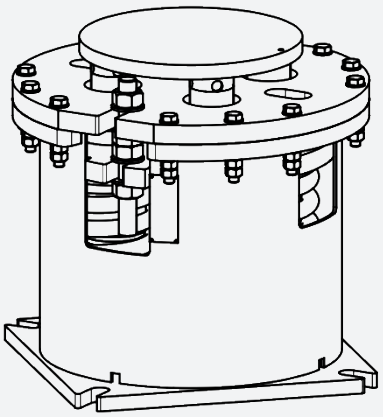
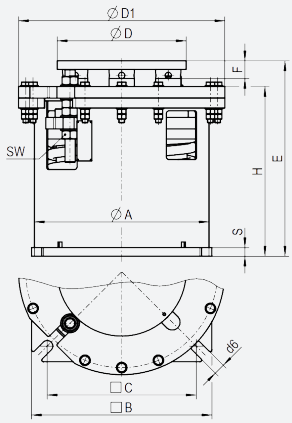
SPRING SUPPORT

TYPE 28 .. 19-S5H
STANDARD DESIGN





To balance slight vertical displacements of the pipelines, spring components are used as supports. These components function on the basis of preset helical coil springs, which exert a variable supporting load over the range of movement in accordance with their specified spring characteristics.

	ØA	□B	□C	ØD	ØD1	d6	E	F	H	S	SW	Load range [lbs]	Travel range [inch]	Spring rate [lbs/inch]	Temp. permanent [°F]	Temp. short-term [°F]	Weight [lbs]
281119-S5H	20.08	20.87	17.32	16.54	23.62	1.3	15.94	2.36	12.99	0.98	1.81	11989 - 35969	0 - 1.97	12181	176	302	595
281219-S5H	20.08	20.87	17.32	16.54	23.62	1.3	21.06	2.36	17.72	0.98	1.81	11989 - 35969	0 - 3.94	6090	176	302	668
281319-S5H	20.08	20.87	17.32	16.54	23.62	1.3	32.87	2.36	28.74	0.98	1.81	11989 - 35969	0 - 7.87	3045	176	302	891
282119-S5H	22.05	22.83	19.29	16.54	25.59	1.3	17.72	2.56	14.57	0.98	1.81	14986 - 44962	0 - 1.97	15227	176	302	794
282219-S5H	22.05	22.83	19.29	16.54	25.59	1.3	23.03	2.56	19.69	0.98	1.81	14986 - 44962	0 - 3.94	7613	176	302	875
282319-S5H	22.05	22.83	19.29	16.54	25.59	1.3	34.65	2.56	30.51	0.98	1.81	14986 - 44962	0 - 7.87	3806	176	302	1116
283119-S5H	24.02	24.8	20.87	17.72	28.35	1.3	18.11	2.56	14.96	0.98	1.81	17985 - 53954	0 - 1.97	18272	176	302	999
283219-S5H	24.02	24.8	20.87	17.72	28.35	1.3	23.43	2.56	20.08	0.98	1.81	17985 - 53954	0 - 3.94	9136	176	302	1093
283319-S5H	24.02	24.8	20.87	17.72	28.35	1.3	35.04	2.56	30.91	0.98	1.81	17985 - 53954	0 - 7.87	4568	176	302	1354
284119-S5H	24.02	24.8	20.87	17.72	28.35	1.54	19.88	2.76	16.73	1.18	2.17	22481 - 67443	0 - 1.97	22841	176	302	1131
284219-S5H	24.02	24.8	20.87	17.72	28.35	1.54	26.97	2.76	23.43	1.18	2.17	22481 - 67443	0 - 3.94	11420	176	302	1305
284319-S5H	24.02	24.8	20.87	17.72	28.35	1.54	42.32	2.76	37.99	1.18	2.17	22481 - 67443	0 - 7.87	5710	176	302	1742
285119-S5H	24.02	24.8	20.87	18.9	28.35	1.54	22.05	2.95	18.7	1.38	2.56	29974 - 89924	0 - 1.97	30454	176	302	1299
285219-S5H	24.02	24.8	20.87	18.9	28.35	1.54	29.53	2.95	25.79	1.38	2.56	29974 - 89924	0 - 3.94	15227	176	302	1486
285319-S5H	24.02	24.8	20.87	18.9	28.35	1.54	44.69	2.95	40.16	1.38	2.56	29974 - 89924	0 - 7.87	7613	176	302	1938

The dimensions E are reduced by the corresponding spring travel under load.

Corrosivity category and protection version: C5(h) (hot-dip galvanized and color-coated).

The permissible loads on the components are shown according to load groups and load cases. The definition of the load cases are in line with DIN EN 13480-3, ASME B31.1, ASME B31.3, MSS SP-58, ASME III, Div. I Subsection NF, RCC-M and KTA 3205.

In design, in stress and load calculations, as well as in production, the relevant European and other international standards are taken into account.

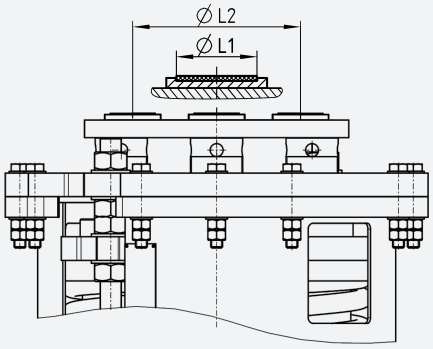
Design with sliding plate max. contact temperature:

Type 28..17-S5H (up to 356 °F)

	ØL1	ØL2
281.17-S5H	3.15	11.81
282.17-S5H	3.15	11.81
283.17-S5H	4.33	12.2
284.17-S5H	4.33	12.2
285.17-S5H	5.91	11.81

Type 28..16-S5H (up to 660 °F)

	ØL1	ØL2
281.16-S5H	3.15	11.81
282.16-S5H	3.15	11.81
283.16-S5H	4.33	12.2
284.16-S5H	4.33	12.2
285.16-S5H	5.91	11.81



When slide plates are used, the E dimension increases by 0.08inch [2mm].

Further information refer to the chapters PG0 and PG2 of the catalogue "Standard Supports".