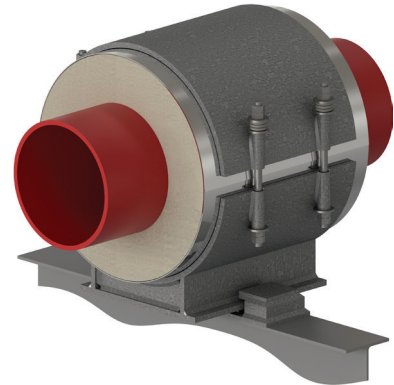
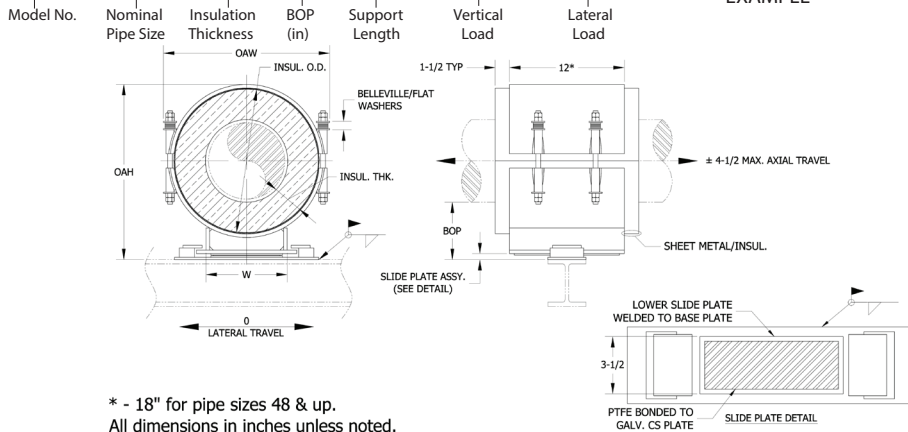


HGCS - 3 x 1.5 - 4 - 12 - 530 - 190

NEW DESIGNATION
EXAMPLE

LEGACY DESIGNATION **HG-4000**



* - 18" for pipe sizes 48 & up.
All dimensions in inches unless noted.

Do you need special loads or dimensions for this design? Please contact us at (713) 466-4777 or sales@rilco.com.

			INSULATION THICKNESS																			
PIPE SIZE	VERT LOAD (Lbs)	LAT LOAD (Lbs)	1"				1-1/2"				2"				2-1/2"				3"			
			BOP (in)	INSUL OD (in)	OAW (in)	OAH (in)	BOP (in)	INSUL OD (in)	OAW (in)	OAH (in)	BOP (in)	INSUL OD (in)	OAW (in)	OAH (in)	BOP (in)	INSUL OD (in)	OAW (in)	OAH (in)	BOP (in)	INSUL OD (in)	OAW (in)	OAH (in)
1/2"	140	50	4	2.875	4.5	6.5	4	4	6	7	4	5	7	7.5	4	6.625	8.5	8.5	6	7.625	9.5	11
3/4"	175	65	4	2.875	4.5	6.5	4	4	6	7	4	5	7	7.5	4	6.625	8.5	8.5	6	7.625	9.5	11
1"	225	80	4	3.5	5.5	7	4	4.5	6.5	7.5	4	5.563	7.5	8	4	6.625	8.5	8.5	6	7.625	9.5	11
1-1/2"	325	115	4	4	6	7.5	4	5	7	8	4	6.625	8.5	9	4	7.625	9.5	9.5	6	8.625	10.5	12
2"	375	135	4	4.5	6.5	8	4	5.563	7.5	8.5	4	6.625	8.5	9	4	7.625	9.5	9.5	6	8.625	10.5	12
2-1/2"	460	165	4	5	7	8.5	4	6.625	8.5	9.5	4	7.625	9.5	10	4	8.625	10.5	10.5	6	9.625	11.5	13
3"	530	190	4	5.56	7.5	9	4	6.625	8.5	9.5	4	7.625	9.5	10	4	8.625	10.5	10.5	6	9.625	11.5	13
4"	840	295	4	6.625	8.5	10	4	7.625	9.5	10.5	4	8.625	10.5	11	4	9.625	11.5	11.5	6	10.75	12.5	14
6"	1275	450	4	8.625	11	12	4	9.625	12	12.5	4	10.75	13	13.5	4	11.75	14	14	6	12.75	15	16.5
8"	1700	595	4	10.75	13	14.5	4	11.75	14	15	4	12.75	15	15.5	6	14	16.5	18	6	15	17.5	18.5
10"	2000	700	4	12.75	15	16.5	4	14	16.5	17	4	15	17.5	17.5	6	16	18.5	20	6	17	19.5	20.5
12"	2200	770	4	15	17.5	18.5	4	16	18.5	19	4	17	19.5	19.5	6	18	20.5	22	6	19	21.5	22.5
14"	2500	875	4	16	18.5	19.5	4	17	19.5	20	4	18	20.5	20.5	6	19	21.5	23	6	20	22.5	23.5
16"	2900	1015	4	18	20.5	21.5	4	19	21.5	22	6	20	22.5	24.5	6	21	23.5	25	6	22	24.5	25.5
18"	3200	1120	4	20	23	23.5	4	21	24	24	6	22	25	26.5	6	23	26	27	6	24	27	27.5
20"	3400	1190	4	22	25	25.5	4	23	26	26	6	24	27	28.5	6	25	28	29	6	26	29	29.5
24"	3600	1260	4	26	29	30	4	27	30	30.5	6	28	31	33	6	29	32	33.5	6	30	33	34
30"	4700	1645	4	32	35	36	6	33	36	38.5	6	34	37	39	6	35	38	39.5	6	36	39	40
36"	5500	1925	4	38	41	42	6	39	42	44.5	6	40	43	45	6	41	44	45.5	6	42	45	46
42"	6200	2170	4	44	47	48	6	45	48	50.5	6	46	49	51	6	47	50	51.5	6	48	51	52
48"	7100	2485	4	50	53	54	6	51	54	56.5	6	52	55	57	6	53	56	57.5	6	54	57	58
56"	8300	2905	4	58	61	62	6	59	62	64.5	6	60	63	65	6	61	64	65.5	6	62	65	66
60"	8900	3115	4	62	65	66	6	63	66	68.5	6	64	67	69	6	65	68	69.5	6	66	69	70
66"	9800	3430	4	68	71	71	6	69	72	73.5	6	70	73	74	6	71	74	74.5	6	72	75	75
72"	10700	3745	4	74	77	78	6	75	78	80.5	6	76	79	81	6	77	80	81.5	6	78	81	82

*W-Dimension is calculated by multiplying (INSULATION OD*0.65), used only for supports pipe size 6" and larger

Applications & Features:

- Accommodates axial travel up to 9" if shoe is offset from supporting steel
- Temperature range to 1200 Deg F
- Higher temperature applications available
- Teflon®/2B SS 304 slide plates on shoe and supporting steel
- Design loads based on a safety factor of 5
- A36 Steel construction
- See technical specification RHS-850
- Test results available upon request
- Steel finish available in galvanized or painted finishes
- Support features calcium silicate insulation with high density calcium silicate structural inserts
- Support constructed in accordance with ASME B31.1, B31.3 and MSS-SP58
- Water-resistant calcium silicate
- A307 or A193 B7 Plated bolts/studs
- For special applications or for information on other insulation thicknesses or pipe sizes, please contact us.

Ordering Instructions:

To Order, Please Specify:

- Model Number
- Nominal Pipe Size
- Insulation Thickness
- BOP
- Support Length
- Vertical Load
- Lateral & Axial Movements

* See last page of this document for new designation model number construction

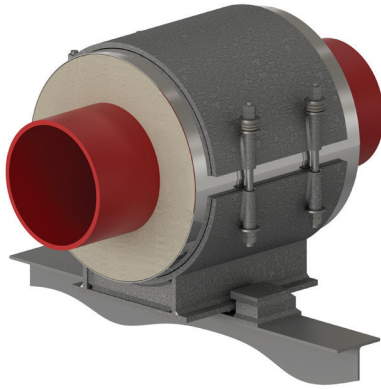
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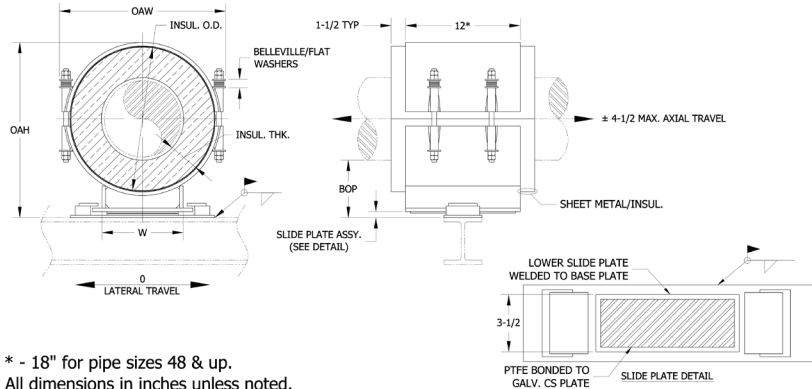
HGCS - 3 x 1.5 - 4 - 12 - 530 - 190

Model No. Nominal Pipe Size Insulation Thickness BOP Support Length Vertical Load Lateral Load



NEW DESIGNATION EXAMPLE

LEGACY DESIGNATION HG-4000



* - 18" for pipe sizes 48 & up.
All dimensions in inches unless noted.

Do you need special loads or dimensions for this design? Please contact us at (713) 466-4777 or sales@rilco.com.

PIPE SIZE	VERT LOAD (Lbs)	LAT LOAD (Lbs)	INSULATION THICKNESS																			
			3-1/2"				4"				4-1/2"				5"				5-1/2"			
			BOP (in)	INSUL OD (in)	OAW (in)	OAH (in)	BOP (in)	INSUL OD (in)	OAW (in)	OAH (in)	BOP (in)	INSUL OD (in)	OAW (in)	OAH (in)	BOP (in)	INSUL OD (in)	OAW (in)	OAH (in)	BOP (in)	INSUL OD (in)	OAW (in)	OAH (in)
1/2"	140	50	6	8.625	10.5	11.5	6	9.625	11.5	12	6	10.75	12.5	12.5	8	11.75	13.5	15	8	12.75	14.5	15.5
3/4"	175	65	6	8.625	10.5	11.5	6	9.625	11.5	12	6	10.75	12.5	12.5	8	11.75	13.5	15	8	12.75	14.5	15.5
1"	225	80	6	8.625	10.5	11.5	6	9.625	11.5	12	6	10.75	12.5	12.5	8	11.75	13.5	15	8	12.75	14.5	15.5
1-1/2"	325	115	6	9.625	11.5	12.5	6	10.75	12.5	13	6	11.75	13.5	13.5	8	12.75	14.5	16	8	14	16	16.5
2"	375	135	6	9.625	11.5	12.5	6	10.75	12.5	13	6	11.75	13.5	13.5	8	12.75	14.5	16	8	14	16	16.5
2-1/2"	460	165	6	10.75	12.5	13.5	6	11.75	13.5	14	6	12.75	14.5	14.5	8	14	16	17	8	15	17	17.5
3"	530	190	6	10.75	12.5	13.5	6	11.75	13.5	14	6	12.75	14.5	14.5	8	14	16	17.5	8	15	17	18
4"	840	295	6	11.75	13.5	14.5	6	12.75	14.5	15	6	14	16	16	8	15	17	18.5	8	16	18	19
6"	1275	450	6	14	16.5	17	6	15	17.5	17.5	6	16	18.5	18	8	17	19.5	20.5	8	18	20.5	21
8"	1700	595	6	16	18.5	19	6	17	19.5	19.5	8	18	20.5	22	8	19	21.5	22.5	8	20	22.5	23
10"	2000	700	6	18	20.5	21	6	19	21.5	21.5	8	20	22.5	24	8	21	23.5	24.5	8	22	24.5	25
12"	2200	770	6	20	22.5	23	6	21	23.5	23.5	8	22	24.5	26	8	23	25.5	26.5	8	24	26.5	27
14"	2500	875	6	21	23.5	24	6	22	24.5	24.5	8	23	25.5	27	8	24	26.5	27.5	8	25	27.5	28
16"	2900	1015	6	23	25.5	26	8	24	26.5	28.5	8	25	27.5	29	8	26	28.5	29.5	8	27	29.5	30
18"	3200	1120	6	25	28	28	8	26	29	30.5	8	27	30	31	8	28	31	31.5	8	29	32	32
20"	3400	1190	6	27	30	30	8	28	31	32.5	8	29	32	33	8	30	33	33.5	8	31	34	34
24"	3600	1260	6	31	34	34.5	8	32	35	37	8	33	36	37.5	8	34	37	38	8	35	38	38.5
30"	4700	1645	8	37	40	42.5	8	38	41	43	8	39	42	43.5	8	40	43	44	10	41	44	46.5
36"	5500	1925	8	43	46	48.5	8	44	47	49	8	45	48	49.5	8	46	49	50	10	47	50	52.5
42"	6200	2170	8	49	52	54.5	8	50	53	55	8	51	54	55.5	8	52	55	56	10	53	56	58.5
48"	7100	2485	8	55	58	60.5	8	56	59	61	8	57	60	61.5	8	58	61	62	10	59	62	64.5
56"	8300	2905	8	63	66	68.5	8	64	67	69	8	65	68	69.5	8	66	69	70	10	67	70	72.5
60"	8900	3115	8	67	70	72.5	8	68	71	73	8	69	72	73.5	8	70	73	74	10	71	74	76.5
66"	9800	3430	8	73	76	77.5	8	74	77	78	8	75	78	78.5	8	76	79	79	10	77	80	81.5
72"	10700	3745	8	79	82	84.5	8	80	83	85	8	81	84	85.5	8	82	85	86	10	83	86	88.5

*W-Dimension is calculated by multiplying (INSULATION OD*0.65), used only for supports pipe size 6" and larger

Applications & Features:

- Accommodates axial travel up to 9" if shoe is offset from supporting steel
- Temperature range to 1200 Deg F
- Higher temperature applications available
- Teflon®/2B SS 304 slide plates on shoe and supporting steel
- Design loads based on a safety factor of 5
- A36 Steel construction
- See technical specification RHS-850
- Test results available upon request
- Steel finish available in galvanized or painted finishes
- Support features calcium silicate insulation with high density calcium silicate structural inserts
- Support constructed in accordance with ASME B31.1, B31.3 and MSS-SP58
- Water-resistant calcium silicate
- A307 or A193 B7 Plated bolts/studs
- For special applications or for information on other insulation thicknesses or pipe sizes, please contact us.

Ordering Instructions:

To Order, Please Specify:

- Model Number
- Nominal Pipe Size
- Insulation Thickness
- BOP
- Support Length
- Vertical Load
- Lateral & Axial Movements

* See last page of this document for new designation model number construction

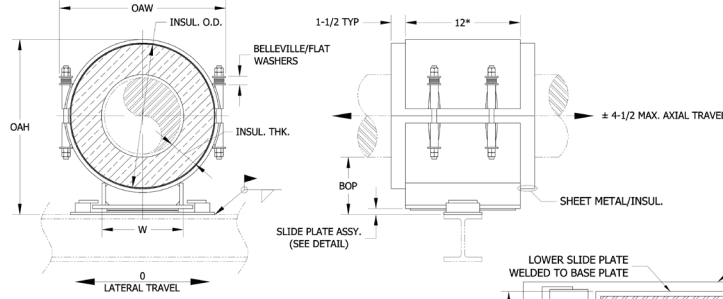
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HGCS - 3 x 1.5 - 4 - 12 - 530 - 190

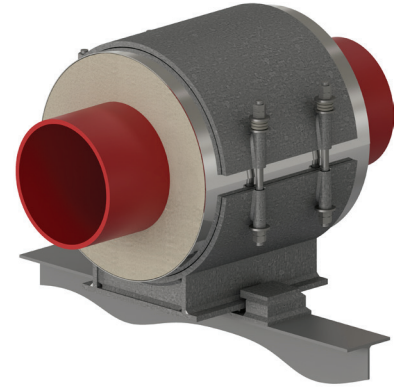
NEW DESIGNATION
EXAMPLE

LEGACY DESIGNATION **HG-4000**

Model No. Nominal Pipe Size Insulation Thickness BOP (in) Support Length Vertical Load Lateral Load



* - 18" for pipe sizes 48 & up.
All dimensions in inches unless noted.



Do you need special loads or dimensions for this design? Please contact us at (713) 466-4777 or sales@rilco.com.

PIPE SIZE	VERT LOAD (Lbs)	LAT LOAD (Lbs)	INSULATION THICKNESS																			
			6"				6-1/2"				7"				7-1/2"				8"			
			BOP (in)	INSUL OD (in)	OAW (in)	OAH (in)	BOP (in)	INSUL OD (in)	OAW (in)	OAH (in)	BOP (in)	INSUL OD (in)	OAW (in)	OAH (in)	BOP (in)	INSUL OD (in)	OAW (in)	OAH (in)	BOP (in)	INSUL OD (in)	OAW (in)	OAH (in)
1/2"	140	50	8	14	16	16	8	15	17	16.5	10	16	18	19	10	17	19	19.5	10	18	20	20
3/4"	175	65	8	14	16	16	8	15	17	16.5	10	16	18	19	10	17	19	19.5	10	18	20	20
1"	225	80	8	14	16	16	8	15	17	16.5	10	16	18	19	10	17	19	19.5	10	18	20	20
1-1/2"	325	115	8	15	17	17	8	16	18	17.5	10	17	19	20	10	18	20	20.5	10	19	21	21
2"	375	135	8	15	17	17	8	16	18	17.5	10	17	19	20	10	18	20	20.5	10	19	21	21
2-1/2"	460	165	8	16	18	18	8	17	19	18.5	10	18	20	21	10	19	21	21.5	10	20	22	22
3"	530	190	8	16	18	18.5	8	17	19	19	10	18	20	21.5	10	19	21	22	10	20	22	22.5
4"	840	295	8	17	19	19.5	8	18	20	20	10	19	21	22.5	10	20	22	23	10	21	23	23.5
6"	1275	450	8	19	21.5	21.5	8	20	22.5	22	10	21	23.5	24.5	10	22	24.5	25	10	23	25.5	25.5
8"	1700	595	8	21	23.5	23.5	10	22	24.5	26	10	23	25.5	26.5	10	24	26.5	27	10	25	27.5	27.5
10"	2000	700	8	23	25.5	25.5	10	24	26.5	28	10	25	27.5	28.5	10	26	28.5	29	10	27	29.5	29.5
12"	2200	770	8	25	27.5	27.5	10	26	28.5	30	10	27	29.5	30.5	10	28	30.5	31	10	29	31.5	31.5
14"	2500	875	8	26	28.5	28.5	10	27	29.5	31	10	28	30.5	31.5	10	29	31.5	32	10	30	32.5	32.5
16"	2900	1015	10	28	30.5	32.5	10	29	31.5	33	10	30	32.5	33.5	10	31	33.5	34	12	32	34.5	36.5
18"	3200	1120	10	30	33	34.5	10	31	34	35	10	32	35	35.5	10	33	36	36	12	34	37	38.5
20"	3400	1190	10	32	35	36.5	10	33	36	37	10	34	37	37.5	10	35	38	38	12	36	39	40.5
24"	3600	1260	10	36	39	41	10	37	40	41.5	10	38	41	42	10	39	42	42.5	12	40	43	45
30"	4700	1645	10	42	45	47	10	43	46	47.5	10	44	47	48	12	45	48	50.5	12	46	49	51
36"	5500	1925	10	48	51	53	10	49	52	53.5	10	50	53	54	12	51	54	56.5	12	52	55	57
42"	6200	2170	10	54	57	59	10	55	58	59.5	10	56	59	60	12	57	60	62.5	12	58	61	63
48"	7100	2485	10	60	63	65	10	61	64	65.5	10	62	65	66	12	63	66	68.5	12	64	67	69
56"	8300	2905	10	68	71	73	10	69	72	73.5	10	70	73	74	12	71	74	76.5	12	72	75	77
60"	8900	3115	10	72	75	77	10	73	76	77.5	10	74	77	78	12	75	78	80.5	12	76	79	81
66"	9800	3430	10	78	81	82	10	79	82	82.5	10	80	83	83	12	81	84	85.5	12	82	85	86
72"	10700	3745	10	84	87	89	10	85	88	89.5	10	86	89	90	12	87	90	92.5	12	88	91	93

*W-Dimension is calculated by multiplying (INSULATION OD*0.65), used only for supports pipe size 6" and larger

Applications & Features:

- Accommodates axial travel up to 9" if shoe is offset from supporting steel
- Temperature range to 1200 Deg F
- Higher temperature applications available
- Teflon®/2B SS 304 slide plates on shoe and supporting steel
- Design loads based on a safety factor of 5
- A36 Steel construction
- See technical specification RHS-850
- Test results available upon request
- Steel finish available in galvanized or painted finishes
- Support features calcium silicate insulation with high density calcium silicate structural inserts
- Support constructed in accordance with ASME B31.1, B31.3 and MSS-SP58
- Water-resistant calcium silicate
- A307 or A193 B7 Plated bolts/studs
- For special applications or for information on other insulation thicknesses or pipe sizes, please contact us.

Ordering Instructions:

To Order, Please Specify:

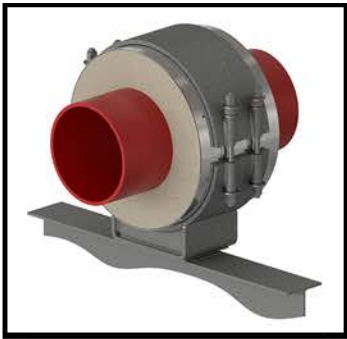
- Model Number
- Nominal Pipe Size
- Insulation Thickness
- BOP
- Support Length
- Vertical Load
- Lateral & Axial Movements

* See last page of this document for new designation model number construction

** Information presented on this page subject to change without notice.



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HSCS - 6x3-4-18-3500-1200-2000

TEMPERATURE CLASSIFICATION

HOT (H) - (typical range 0°F to 1200°F)

COLD (C) - (typical range -450°F to 200°F)

DUAL TEMP (D) - (typical range -450°F to 1200°F)

FUNCTION

SLIDE (S) (for vertically restrained pipe)
i.e. HSCS-3x1.5-4-12-2100

- **SLIDE** (H) (for vertically restrained pipe, high lateral travel)
i.e. HS(H)CS-1x1.5-4-6-225-80

GUIDE (G) (for vertically and laterally restrained pipe)
i.e. HGCS-6x1.5-4-6-1275-450

- **GUIDE** (L) (for vertically and laterally restrained pipe, allows uplift of piping)
i.e. HG(L)CS-1x1.5-4-6-225-80

- **GUIDE** (M) (for vertically and laterally restrained pipe, guided at cradle)
i.e. HG(M)CS-1x1.5-4-6-225-80

ANCHOR (A) (for vertically, laterally and axially restrained pipe)
i.e. HACS-4x1.5-4-6-840-295-1730

HANGING (H) (for vertically restrained pipe)
i.e. HHCS-3x1.5-4-12-2100

RISER (V) (for vertically restrained pipe)
i.e. HVCS-3x1.5-4-12-2100

FLAT (F) (for vertically restrained pipe)
i.e. HFCS-3x1.5-4-12-2100

ROLLER (R) (for vertically restrained pipe)
i.e. HRCS-3x1.5-4-12-2100

INSULATION TYPE

Calcium Silicate (CS)

PyroWrap (PW) (Aspen Aerogels Pyrogel® XT-E)

Polyurethane Foam (PF)

FOAMGLAS® (FG)

CryoWrap (CW) (Aspen Aerogels Cryogel® Z)

AXIAL LOAD (lbs)

LATERAL LOAD (lbs)

VERTICAL LOAD (lbs)

STEEL LENGTH (in)

BOP (in)

INSULATION THICKNESS (in)

PIPE SIZE (in)