



Notes on Sheet 5

SUBMITTED FOR APPROVAL

LIST OF MATERIAL

ITEM	QTY	DESCRIPTION	MATERIAL
6	4	HOUSING BOLTING	C'STEEL
5	4	SPIDER STRAP BOLTING	C'STEEL
4	2	LEG	A366 C'STEEL
3	4	SPIDER	A366 C'STEEL
2	4	SPIDER STRAP	A366 C'STEEL
1	1	HOUSING	A366 C'STEEL

**9500 SERIES
STEEL PIPE ALIGNMENT GUIDES**



Hyspan Precision Products, Inc. Tel 619.421.1355
1685 Brandywine Avenue Fax 619.421.1702
Chula Vista, CA 91911.....sales@hyspan.com

ITEM	PART NUMBER	PIPE SIZE (IN)	QTY	I MAX. INSUL. (IN)	E EXPAN. / TRAVEL (IN)	HOU- SING #	D CENTERLINE HEIGHT (IN)	A MAX. WIDTH (IN)	B MAX. HEIGHT (IN)	C HOUSING LENGTH (IN)	L HOLE SPACING (IN)	W HOLE SPACING (IN)	H HOLE DIAMETER (IN)	WEIGHT (LB)
	9514-1.94-3	3/4		1.94	3	1	3.50	8.44	6.34	3.00	7.06	1.5	0.625	8
	9514-2.47-3	3/4		2.47	3	2	3.88	9.50	7.25	3.00	7.81	1.5	0.625	9
	9514-3.00-6	3/4		3.00	6	4	4.88	10.63	8.81	6.00	6.75	4.0	0.625	14
	9514-3.75-6	3/4		3.75	6	5	5.50	12.13	10.19	6.00	7.50	4.0	0.625	17
	9514-4.56-6	3/4		4.56	6	6	6.50	13.75	12.00	6.00	7.16	4.0	0.625	20
	9519-1.81-3	1		1.81	3	1	3.50	8.44	6.34	3.00	7.06	1.5	0.625	8
	9519-2.34-3	1		2.34	3	2	3.88	9.50	7.25	3.00	7.81	1.5	0.625	9
	9519-2.87-6	1		2.87	6	4	4.88	10.63	8.81	6.00	6.75	4.0	0.625	14
	9519-3.62-6	1		3.62	6	5	5.50	12.13	10.19	6.00	7.50	4.0	0.625	17
	9519-4.43-6	1		4.43	6	6	6.50	13.75	12.00	6.00	7.16	4.0	0.625	20
	9524-2.17-3	1 1/4		2.17	3	2	3.88	9.50	7.25	3.00	7.81	1.5	0.625	9
	9524-2.70-6	1 1/4		2.70	6	4	4.88	10.63	8.81	6.00	6.75	4.0	0.625	14
	9524-3.45-6	1 1/4		3.45	6	5	5.50	12.13	10.19	6.00	7.50	4.0	0.625	17
	9524-4.26-6	1 1/4		4.26	6	6	6.50	13.75	12.00	6.00	7.16	4.0	0.625	20
	9527-2.05-3	1 1/2		2.05	3	2	3.88	9.50	7.25	3.00	7.81	1.5	0.625	9
	9527-2.58-6	1 1/2		2.58	6	4	4.88	10.63	8.81	6.00	6.75	4.0	0.625	14
	9527-3.33-6	1 1/2		3.33	6	5	5.50	12.13	10.19	6.00	7.50	4.0	0.625	17
	9527-4.14-6	1 1/2		4.14	6	6	6.50	13.75	12.00	6.00	7.16	4.0	0.625	20
	9531-1.78-8	2		1.78	8	2	3.88	9.50	7.25	3.00	7.81	1.5	0.625	0.625
	9531-2.31-8	2		2.31	8	4	4.88	10.63	8.81	6.00	6.75	4.0	0.625	0.625
	9531-3.06-8	2		3.06	8	5	5.50	12.13	10.19	6.00	7.50	4.0	0.625	0.625
	9531-3.87-8	2		3.87	8	6	6.50	13.75	12.00	6.00	7.16	4.0	0.625	0.625
	9531-5.37-8	2		5.37	8	7	3.88	17.38	15.56	6.00	11.00	4.0	0.750	0.750
	9535-2.06-8	2 1/2		2.06	8	4	4.88	10.63	8.81	6.00	6.75	4.0	0.625	0.625
	9535-2.81-8	2 1/2		2.81	8	5	5.50	12.13	10.19	6.00	7.50	4.0	0.625	0.625
	9535-3.62-8	2 1/2		3.62	8	6	6.50	13.75	12.00	6.00	7.16	4.0	0.625	0.625
	9535-5.12-8	2 1/2		5.12	8	7	8.50	17.38	15.56	6.00	11.00	4.0	0.750	0.750
	9540-1.75-8	3		1.75	8	4	4.88	10.63	8.81	6.00	6.75	4.0	0.625	0.625
	9540-2.50-8	3		2.50	8	5	5.50	12.13	10.19	6.00	7.50	4.0	0.625	0.625
	9540-3.31-8	3		3.31	8	6	6.50	13.75	12.00	6.00	7.16	4.0	0.625	0.625
	9540-4.81-8	3		4.81	8	7	8.50	17.38	15.56	6.00	11.00	4.0	0.750	0.750
	9548-2.00-8	4		2.00	8	5	5.50	12.13	10.19	6.00	7.50	4.0	0.625	0.625
	9548-2.81-8	4		2.81	8	6	6.50	13.75	12.00	6.00	7.16	4.0	0.625	0.625
	9548-4.31-8	4		4.31	8	7	8.50	17.38	15.56	6.00	11.00	4.0	0.750	0.750
	9555-2.28-8	5		2.28	8	6	6.50	13.75	12.00	6.00	7.16	4.0	0.625	0.625
	9555-3.78-8	5		3.78	8	7	8.50	17.38	15.56	6.00	11.00	4.0	0.750	0.750
	9555-4.84-8	5		4.84	8	8	9.75	19.50	17.88	6.00	11.00	4.0	0.750	0.750
	9560-1.74-8	6		1.74	8	6	6.50	13.75	12.00	6.00	7.16	4.0	0.625	0.625
	9560-3.25-8	6		3.25	8	7	8.50	17.38	15.56	6.00	11.00	4.0	0.750	0.750
	9560-4.31-8	6		4.31	8	8	9.75	19.50	17.88	6.00	11.00	4.0	0.750	0.750
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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

**9500 SERIES
STEEL PIPE ALIGNMENT GUIDES**



Hyspan Precision Products, Inc. Tel 619.421.1355
1685 Brandywine Avenue Fax 619.421.1702
Chula Vista, CA 91911.....sales@hyspan.com

ITEM	PART NUMBER	PIPE SIZE (IN)	QTY	I MAX. INSUL. (IN)	E EXPAN. / TRAVEL (IN)	HOUS-ING #	D CENTER -LINE HEIGHT (IN)	F MAX. WIDTH (IN)	B MAX. HEIGHT (IN)	C HOUSING LENGTH (IN)	L HOLE SPACING (IN)	W HOLE SPACING (IN)	H HOLE DIAMETER (IN)	WEIGHT (LB)
	9514-1.94-3-45	3/4		1.94	3	1	3.50	5.77	6.34	3.00	7.06	1.5	0.625	8
	9514-2.47-3-45	3/4		2.47	3	2	3.88	6.84	7.25	3.00	7.81	1.5	0.625	9
	9514-3.00-6-45	3/4		3.00	6	4	4.88	8.00	8.81	6.00	6.75	4.0	0.625	14
	9514-3.75-6-45	3/4		3.75	6	5	5.50	9.50	10.19	6.00	7.50	4.0	0.625	17
	9514-4.56-6-45	3/4		4.56	6	6	6.50	11.12	12.00	6.00	7.16	4.0	0.625	20
	9519-1.81-3-45	1		1.81	3	1	3.50	5.77	6.34	3.00	7.06	1.5	0.625	8
	9519-2.34-3-45	1		2.34	3	2	3.88	6.84	7.25	3.00	7.81	1.5	0.625	9
	9519-2.87-6-45	1		2.87	6	4	4.88	8.00	8.81	6.00	6.75	4.0	0.625	14
	9519-3.62-6-45	1		3.62	6	5	5.50	9.50	10.19	6.00	7.50	4.0	0.625	17
	9519-4.43-6-45	1		4.43	6	6	6.50	11.12	12.00	6.00	7.16	4.0	0.625	20
	9524-2.17-3-45	1 1/4		2.17	3	2	3.88	6.84	7.25	3.00	7.81	1.5	0.625	9
	9524-2.70-6-45	1 1/4		2.70	6	4	4.88	8.00	8.81	6.00	6.75	4.0	0.625	14
	9524-3.45-6-45	1 1/4		3.45	6	5	5.50	9.50	10.19	6.00	7.50	4.0	0.625	17
	9524-4.26-6-45	1 1/4		4.26	6	6	6.50	11.12	12.00	6.00	7.16	4.0	0.625	20
	9527-2.05-3-45	1 1/2		2.05	3	2	3.88	6.84	7.25	3.00	7.81	1.5	0.625	9
	9527-2.58-6-45	1 1/2		2.58	6	4	4.88	8.00	8.81	6.00	6.75	4.0	0.625	14
	9527-3.33-6-45	1 1/2		3.33	6	5	5.50	9.50	10.19	6.00	7.50	4.0	0.625	17
	9527-4.14-6-45	1 1/2		4.14	6	6	6.50	11.12	12.00	6.00	7.16	4.0	0.625	20
	9531-1.78-8-45	2		1.78	8	2	3.88	6.84	7.25	3.00	7.81	1.5	0.625	0.625
	9531-2.31-8-45	2		2.31	8	4	4.88	8.00	8.81	6.00	6.75	4.0	0.625	0.625
	9531-3.06-8-45	2		3.06	8	5	5.50	9.50	10.19	6.00	7.50	4.0	0.625	0.625
	9531-3.87-8-45	2		3.87	8	6	6.50	11.12	12.00	6.00	7.16	4.0	0.625	0.625
	9531-5.37-8-45	2		5.37	8	7	3.88	14.25	15.56	6.00	11.00	4.0	0.750	0.750
	9535-2.06-8-45	2 1/2		2.06	8	4	4.88	8.00	8.81	6.00	6.75	4.0	0.625	0.625
	9535-2.81-8-45	2 1/2		2.81	8	5	5.50	9.50	10.19	6.00	7.50	4.0	0.625	0.625
	9535-3.62-8-45	2 1/2		3.62	8	6	6.50	11.12	12.00	6.00	7.16	4.0	0.625	0.625
	9535-5.12-8-45	2 1/2		5.12	8	7	8.50	14.25	15.56	6.00	11.00	4.0	0.750	0.750
	9540-1.75-8-45	3		1.75	8	4	4.88	8.00	8.81	6.00	6.75	4.0	0.625	0.625
	9540-2.50-8-45	3		2.50	8	5	5.50	9.50	10.19	6.00	7.50	4.0	0.625	0.625
	9540-3.31-8-45	3		3.31	8	6	6.50	11.12	12.00	6.00	7.16	4.0	0.625	0.625
	9540-4.81-8-45	3		4.81	8	7	8.50	14.25	15.56	6.00	11.00	4.0	0.750	0.750
	9548-2.00-8-45	4		2.00	8	5	5.50	9.50	10.19	6.00	7.50	4.0	0.625	0.625
	9548-2.81-8-45	4		2.81	8	6	6.50	11.12	12.00	6.00	7.16	4.0	0.625	0.625
	9548-4.31-8-45	4		4.31	8	7	8.50	14.25	15.56	6.00	11.00	4.0	0.750	0.750
	9555-2.28-8-45	5		2.28	8	6	6.50	11.12	12.00	6.00	7.16	4.0	0.625	0.625
	9555-3.78-8-45	5		3.78	8	7	8.50	14.25	15.56	6.00	11.00	4.0	0.750	0.750
	9555-4.84-8-45	5		4.84	8	8	9.75	16.37	17.88	6.00	11.00	4.0	0.750	0.750
	9560-1.74-8-45	6		1.74	8	6	6.50	11.12	12.00	6.00	7.16	4.0	0.625	0.625
	9560-3.25-8-45	6		3.25	8	7	8.50	14.25	15.56	6.00	11.00	4.0	0.750	0.750
	9560-4.31-8-45	6		4.31	8	8	9.75	16.37	17.88	6.00	11.00	4.0	0.750	0.750

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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
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**9500 SERIES with 45 DEGREE HOUSING
STEEL PIPE ALIGNMENT GUIDES**



Hyspan Precision Products, Inc. Tel 619.421.1355
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ITEM	PART NUMBER	PIPE SIZE (IN)	QTY	I MAX. INSUL. (IN)	E EXPAN. / TRAVEL (IN)	HOUS-ING #	D CENTER LINE HEIGHT (IN)	F MAX. WIDTH (IN)	B MAX. HEIGHT (IN)	C HOUSING LENGTH (IN)	L HOLE SPACING (IN)	W HOLE SPACING (IN)	H HOLE DIAMETER (IN)	WEIGHT (LB)
	9567-2.25-8-45	8		2.25	8	7	8.50	14.25	15.56	6.00	11.00	4.0	0.750	0.750
	9567-3.31-8-45	8		3.31	8	8	9.75	16.37	17.88	6.00	11.00	4.0	0.750	0.750
	9567-4.93-8-45	8		4.93	8	9	12.00	19.62	21.75	8.00	13.00	6.0	0.750	0.750
	9574-2.25-8-45	10		2.25	8	8	9.75	16.37	17.88	6.00	11.00	4.0	0.750	0.750
	9574-3.87-8-45	10		3.87	8	9	12.00	19.62	21.75	8.00	13.00	6.0	0.750	0.750
	9574-4.87-8-45	10		4.87	8	10	13.50	21.87	24.38	8.00	13.00	6.0	0.875	0.875
	9580-2.81-8-45	12		2.81	8	9	12.00	19.62	21.75	8.00	13.00	6.0	0.750	0.750
	9580-3.81-8-45	12		3.81	8	10	13.50	21.87	24.38	8.00	13.00	6.0	0.875	0.875
	9581-2.18-8-45	14		2.18	8	9	12.00	19.62	21.75	8.00	13.00	6.0	0.750	0.750
	9581-3.18-8-45	14		3.18	8	10	13.50	21.87	24.38	8.00	13.00	6.0	0.875	0.875
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

NOTES:

APPLICATION: Hyspan Series 9500 Pipe Alignment Guides are intended to maintain the longitudinal position of pipe centerlines without axial restraint. They are to be used in conjunction with hangers, rollers, or other supports that react the pipe and media weight.

CONSTRUCTION: All component parts are made from heavy gauge pressed steel and joined together by fusion welding. Bolt and mounting holes are precision located for ease of assembly and installation. ALL 304 stainless steel construction is available. ALL welding per ASME Boiler and Pressure Vessel Code Section IX.

FINISH: All surfaces are coated with a protective black enamel paint. Hot dipped galvanized coating available.

INSTALLATION: The location and quantity of guides varies with each piping system and should be determined from recommendations for each expansion joint or compensator at the design conditions. The assembly and installation of each Hyspan guide must be in accordance with the drawings on this submittal for the maximum rated travel.

**9500 SERIES with 45 DEGREE HOUSING
STEEL PIPE ALIGNMENT GUIDES**



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