

Product Datasheet

POLYESTER INSTRUMENT SUNSHADE



Single Instrument Sunshade
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Multi Instrument Sunshade
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GRP Instrument Sunshades are used to protect instruments from weather elements at Oil & Gas sites. They have antistatic and fire-retardant properties and are non-absorbent to hydro carbons. They protect instrumentation from dust, snow and rain which cause calibration drifts. These sunshades can be combined with a wide selection of heavy-duty mounts to produce customized units that fit transmitters or gauges. Their installation is quick and easy.

Features	Specifications	Other Options
Weatherproof	UV resistant - ASTM G154 Certified	®
High Impact Resistant	IK8, BS EN 62262-22002 Certified	IK10, Anti-Vandal sandwich construction with encapsulated plywood
Fire Retardant and Self Extinguishing	UL 94, BS 476:Part 7:1997 Class 2 Certified	Higher fire resistance upto Class 0
Anti-Static	IEC-60079-0 Certified	
Wall Thickness	4 mm generally	Increased wall thickness
Semi-gloss External Gelcoat Finish	Light grey RAL 7035	Alternate RAL colors available on request refer to RAL Color chart on page 6
Corrosion Resistant	SS 316 Stainless steel accessories	Please refer page 7
Customizable	Alternate sizes, accessories and options to match required specifications	Please refer page 7
Mounting Options	For mounting different instrumentation products like Transmitters, Gauges, Switches and other Controls.	Please refer page 7

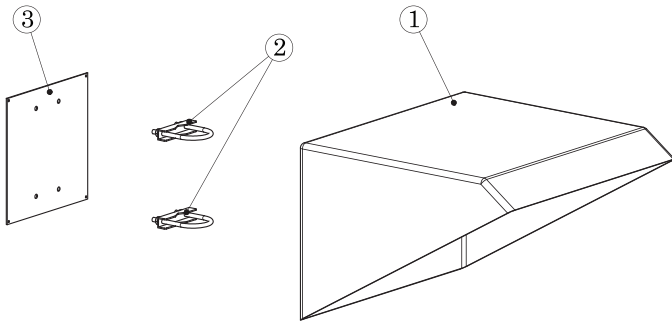


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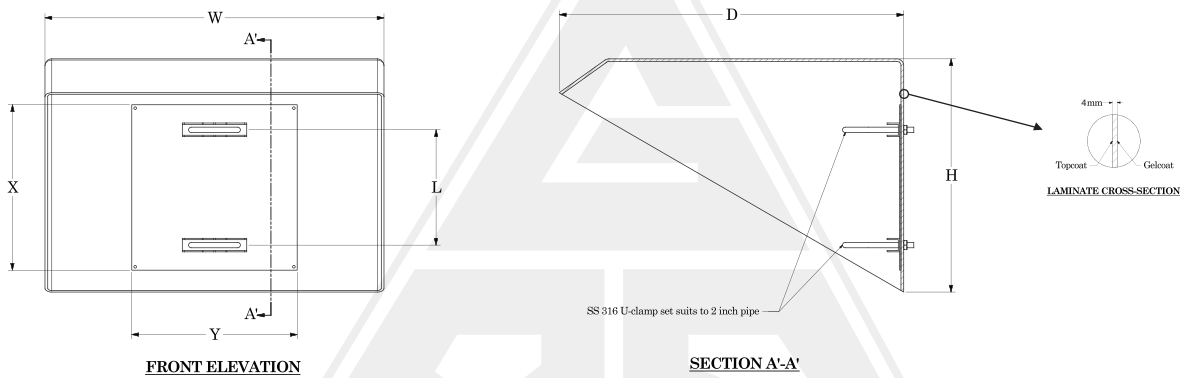


POLYESTER - INSTRUMENT SUNSHADE

Single Instrument Sunshade



- 1. GRP sunshade
- 2. SS 316 U-clamp 2" pipe set
- 3. SS 316 Back plate



Measurements

All dimensions in mm

Sl. No	Product Reference	External Size			Back Plate Size		C/C of Clamps	No. of Clamps	Total Weight (Kg)
		W	D	H	X	Y			
1	P 016021023	160	210	230	60	120	-	1	1
2	P 018030012	180	300	120	60	120	-	1	1
3	P 019038033	190	380	330	122	122	80	2	2
4	P 020020022	200	200	220	122	122	80	2	2
5	P 020020027	200	200	275	122	122	80	2	2
6	P 020025027	200	250	270	122	122	80	2	2
7	P 020030025	200	300	250	122	122	80	2	2
8	P 020032015	200	320	150	60	120	-	1	1
9	P 020037016	200	370	160	60	120	-	1	1
10	P 021036015	210	365	150	60	120	-	1	1
11	P 022030013	220	300	130	60	120	-	1	1
12	P 023030015	230	300	150	60	120	-	1	1
13	P 023030018	230	300	180	60	120	-	1	1
14	P 023035018	230	350	180	60	120	-	1	1

Sizes mentioned are standard sizes. Customized sizes are available, please submit your enquiry online or email us at sales@grpindustries.com

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Single Instrument Sunshade

Measurements

All dimensions in mm

Sl. No	Product Reference	External Size			Back Plate Size		C/C of Clamps	No. of Clamps	Total Weight (Kg ± 1)
		H	D	H	X	Y	L		
15	P 023036018	230	360	180	60	120	-	1	1.8
16	P 024030015	240	300	150	60	120	-	1	2
17	P 024035017	240	350	170	60	120	-	1	1.8
18	P 024030010	245	300	100	60	120	-	1	1.6
19	P 025027010	250	275	100	60	120	-	1	1.5
20	P 025036015	250	360	150	60	120	-	1	1.8
21	P 025040010	250	400	100	60	120	-	1	1.6
22	P 026025030	260	250	300	200	200	150	2	1.9
23	P 026025031	260	250	315	200	200	150	2	2.8
24	P 026026024	260	260	240	122	122	80	2	1.9
25	P 026025024	265	250	240	200	200	150	2	2
26	P 028040015	280	400	150	60	120	-	1	1.8
27	P 030020010	300	200	100	60	120	-	1	1.3
28	P 030023009	300	230	90	60	120	-	1	1.4
29	P 030027016	300	270	160	60	120	-	1	1.7
30	P 030027040	300	275	400	200	200	150	2	2.3
31	P 030030013	300	300	130	60	120	-	1	1.7
32	P 030030015	300	300	150	60	120	-	1	1.8
33	P 030030025	300	300	250	200	200	150	2	2.5
34	P 030030045	300	300	450	200	200	150	2	2.6
35	P 030032015	300	320	150	60	120	-	1	2
36	P 030040015	300	400	150	60	120	-	1	2
37	P 030040040	300	400	400	200	200	150	2	2.3
38	P 030044011	305	445	115	60	120	-	1	2
39	P 032042037	320	420	370	244	244	170	2	4.1
40	P 033040037	330	400	370	244	244	170	2	2.8
41	P 035030022	350	300	225	122	122	80	2	2.3
42	P 035030045	350	300	450	244	244	170	2	2.8
43	P 035035014	350	350	140	60	120	-	1	2
44	P 035035030	350	350	300	200	200	150	2	2.7
45	P 035044038	350	445	380	244	244	170	2	2.8
46	P 036030012	360	300	120	60	120	-	1	2
47	P 036042037	360	420	370	244	244	170	2	4.2
48	P 036045019	360	450	190	122	122	80	2	2.5
49	P 038040050	380	400	500	244	244	170	2	3
50	P 039040039	390	400	390	244	244	170	2	2.9
51	P 040035015	400	350	150	60	120	-	1	2.4
52	P 040037035	400	370	350	244	244	170	2	2.8
53	P 040042037	400	420	370	244	244	170	2	3.2

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POLYESTER - INSTRUMENT SUNSHADE

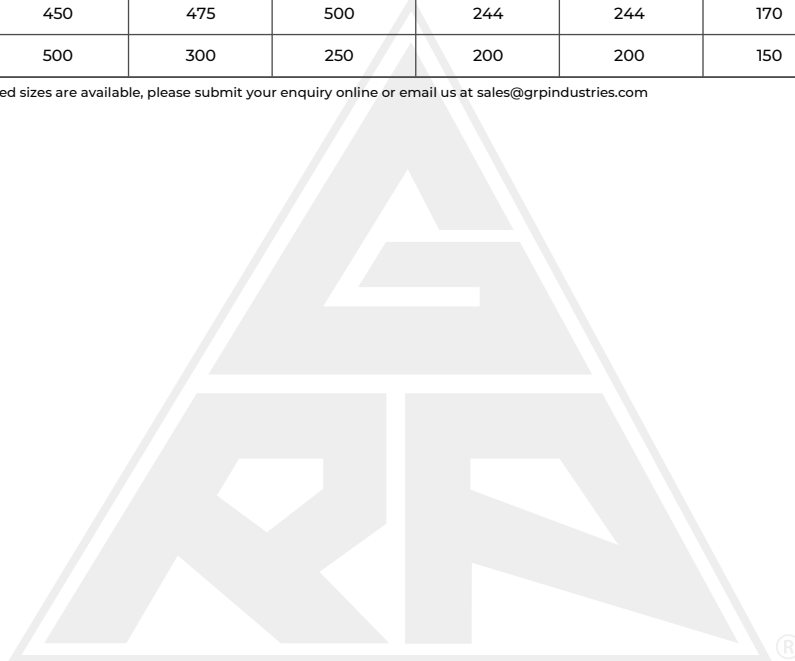
Single Instrument Sunshade

Measurements

All dimensions in mm

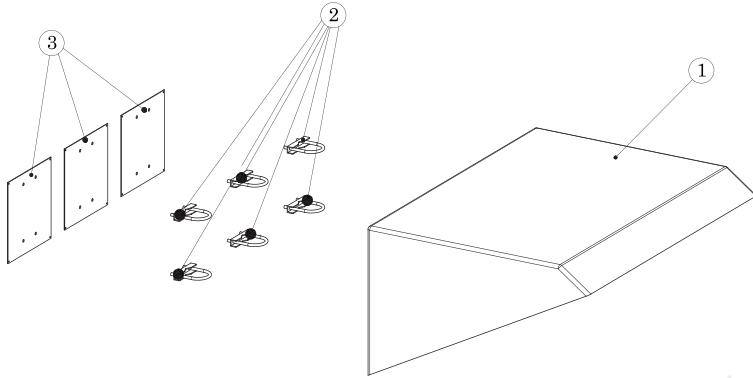
Sl. No	Product Reference	External Size			Back Plate Size		C/C of Clamps	No. of Clamps	Total Weight (Kg ± 1)
		H	D	H	X	Y	L		
54	P 040045032	400	450	320	244	244	170	2	5
55	P 040045040	400	450	400	244	244	170	2	3.2
56	P 041032015	410	320	150	60	120	-	1	2.2
57	P 041036031	410	360	310	244	244	170	2	3
58	P 044069044	440	690	440	244	244	170	2	5.5
59	P 045045027	450	450	275	200	200	150	2	3.7
60	P 045047050	450	475	500	244	244	170	2	5
61	P 050030025	500	300	250	200	200	150	2	3

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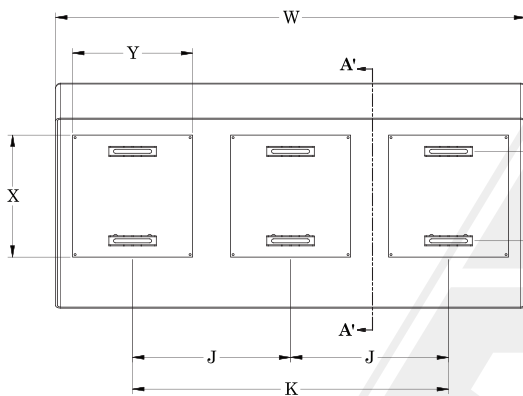


POLYESTER - INSTRUMENT SUNSHADE

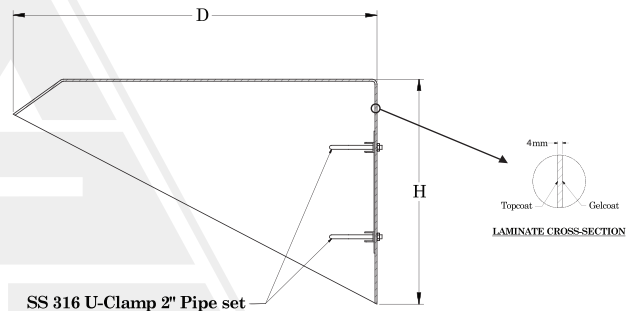
Multi Instrument Sunshade



- 1. GRP sunshade
- 2. SS 316 U-clamp 2" pipe set
- 3. SS 316 Back plate



FRONT ELEVATION



SS 316 U-Clamp 2" Pipe set

SECTION A'-A'

Measurements

All dimensions in mm

Sl. No	Product Reference	External Size			Back Plate Size		No. of Plates	C/C of Clamps			No. of Clamps	Total Weight (Kg ± 1)
		W	D	H	X	Y		J	K	L		
1	P 056068047	560	680	470	244	244	2	-	170	170	4	5.5
2	P 080042037	800	420	370	244	244	2	-	170	276	4	6.5
3	P 087042045	875	425	450	244	244	2	-	170	302	4	7.5

Sizes mentioned are standard sizes. Customized sizes are available, please submit your enquiry online or email us at sales@grpindustries.com

POLYESTER - INSTRUMENT SUNSHADE

Material Properties of Glass Reinforced Polyester

Weather Proof

Rigid Construction

Corrosion Resistant

High Impact Resistant

Suitable for outdoor use -10°C to +80°C and 100% humidity

Non absorbent to hydrocarbons

Anti-static

Mechanical Data

Titles	Values	Unit	Test Method
Tensile Strength	110 ± 25	Mpa	BS 2782:P10, Method - 1003
Flexural Strength	170 ± 25	Mpa	BS 2782:P10, Method - 1005
Impact Strength	IK8 = 5 joule impact		BSEN 62262:2002 IK8
Tensile Modulus	8000	Mpa	ISO 527-1/2-1993
Flexural Modulus	7000	Mpa	ISO 178-1993
Hardness (Barcol 934-1)	40-45		ASTMD-2583-1987
Tensile Elongation	1.8	% length	ISO 527-1/2-1993
Co-efficient of Thermal Expansion	26 x 10 ⁻⁶	m/°C	
Thermal Conductivity (k)	0.2	W/mK	

Physical Data

Titles	Values	Unit	Test Method
Water Absorption (7days)	31	mg	BS 2782, Part4: Method 430 A-83
External Finish	Plain semi gloss UV resistant		
Internal Finish	Reasonably smooth flowcoat finish		
Gel Coat Thickness	350-450	microns	
Glass Content	35 ± 5	% weight	BS 2782 P10, Method 1002
Loss on Ignition	65 ± 5	% weight	BS 2782 P10, Method 1002

Standard Colors

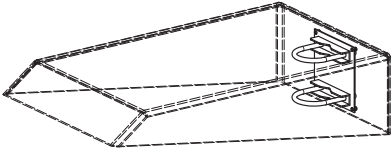
RAL 7035

Other Options Availbale

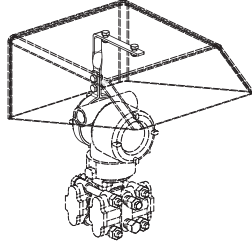
RAL 1000	RAL 1001	RAL 1002	RAL 1003	RAL 1004	RAL 1005	RAL 1006	RAL 1007	RAL 7008	RAL 7009
RAL 1011	RAL 1012	RAL 1013	RAL 1014	RAL 1015	RAL 1016	RAL 1017	RAL 1018	RAL 7021	RAL 7022
RAL 1019	RAL 1020	RAL 1021	RAL 1023	RAL 1024	RAL 1027	RAL 1028	RAL 1032	RAL 7033	RAL 7034
RAL 1033	RAL 1034	RAL 1037	RAL 2000	RAL 2001	RAL 2002	RAL 2003	RAL 2004	RAL 7042	RAL 7043
RAL 2008	RAL 2009	RAL 2010	RAL 2011	RAL 2012	RAL 3000	RAL 3001	RAL 3002	RAL 8007	RAL 8008
RAL 3003	RAL 3004	RAL 3005	RAL 3007	RAL 3009	RAL 3011	RAL 3012	RAL 3013	RAL 8019	RAL 8022
RAL 3014	RAL 3015	RAL 3016	RAL 3017	RAL 3018	RAL 3020	RAL 3022	RAL 3027	RAL 9003	RAL 9004
RAL 3031	RAL 4001	RAL 4002	RAL 4003	RAL 4004	RAL 4005	RAL 4006	RAL 4007	RAL 7003	RAL 7004
RAL 4008	RAL 4009	RAL 5000	RAL 5001	RAL 5002	RAL 5003	RAL 5004	RAL 5005	RAL 7012	RAL 7013
RAL 5007	RAL 5008	RAL 5009	RAL 5010	RAL 5011	RAL 5012	RAL 5013	RAL 5014	RAL 7026	RAL 7030
RAL 5015	RAL 5017	RAL 5018	RAL 5019	RAL 5020	RAL 5021	RAL 5022	RAL 5023	RAL 7037	RAL 7038
RAL 5024	RAL 6000	RAL 6001	RAL 6002	RAL 6003	RAL 6004	RAL 6005	RAL 6006	RAL 8001	RAL 8002
RAL 6007	RAL 6008	RAL 6009	RAL 6010	RAL 6011	RAL 6012	RAL 6013	RAL 6014	RAL 8014	RAL 8015
RAL 6015	RAL 6016	RAL 6017	RAL 6018	RAL 6019	RAL 6020	RAL 6021	RAL 6022	RAL 8025	RAL 8028
RAL 6024	RAL 6025	RAL 6026	RAL 6027	RAL 6028	RAL 6029	RAL 6032	RAL 6033	RAL 9011	RAL 9016
RAL 6034	RAL 7000	RAL 7001	RAL 7002	RAL 7003	RAL 7004	RAL 7005	RAL 7006	RAL 7031	RAL 7032
RAL 7010	RAL 7011	RAL 7044	RAL 8000	RAL 9005	RAL 9010	RAL 7031	RAL 7032	RAL 7039	RAL 7040
RAL 7023	RAL 7024	RAL 8011	RAL 8012	RAL 7005	RAL 7006	RAL 7039	RAL 7040	RAL 8003	RAL 8004
RAL 7035	RAL 7036	RAL 8023	RAL 8024	RAL 7015	RAL 7016	RAL 8003	RAL 8004	RAL 8016	RAL 8017
RAL 9017	RAL 9018	RAL 9001	RAL 9002						

POLYESTER - INSTRUMENT SUNSHADE

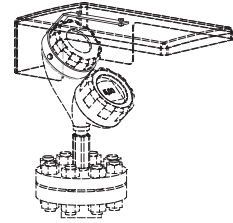
Mounting Arrangements



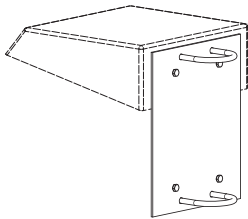
2 SET U-CLAMP FOR SINGLE POLE



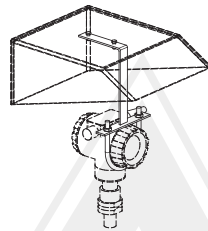
REAR CLAMP FOR FRONT INSTRUMENT



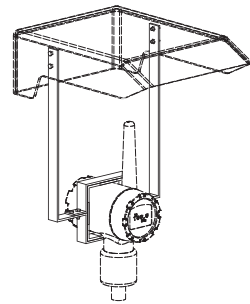
CLAMP FOR ANGLED INSTRUMENT



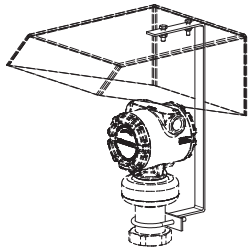
U-CLAMP SET WITH LARGE BACK PLATE



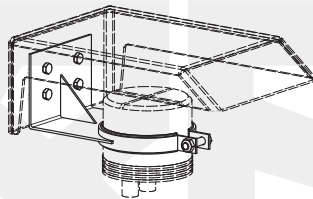
FRONT CLAMP FOR FRONT INSTRUMENT



CLAMP FOR WIRELESS INSTRUMENT

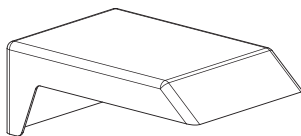


BOLTED CLAMP FOR FRONT INSTRUMENT

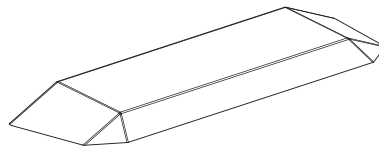


CLAMP FOR TOP FACING INSTRUMENT

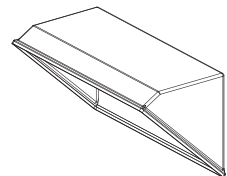
Sunshade Designs



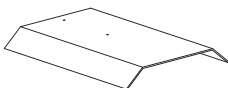
DESIGN A



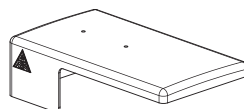
DESIGN B



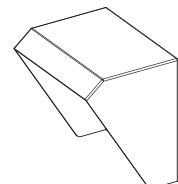
DESIGN C



DESIGN D



DESIGN E



DESIGN F