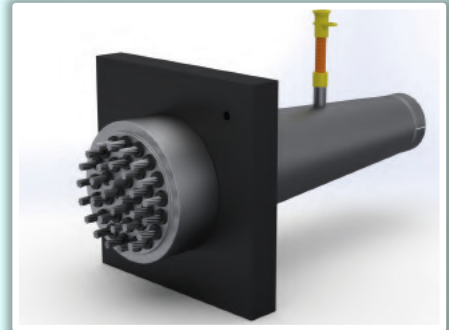
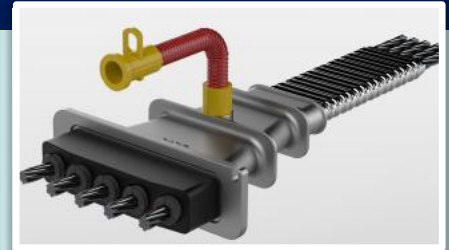


SARE GLOBAL

POSTTENSION SYSTEMS

-TECHNICAL DETAILS-



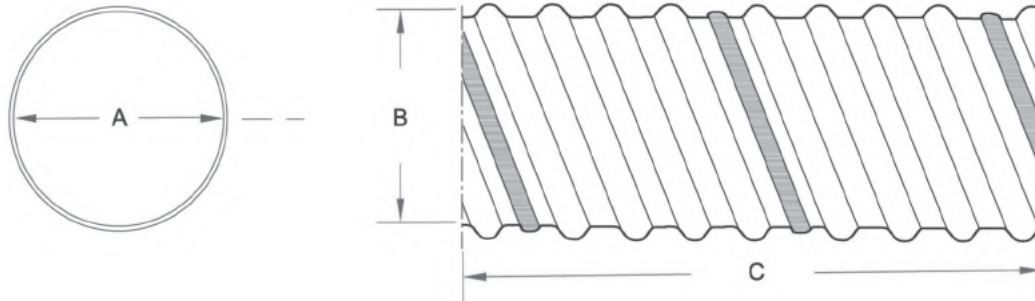
sare[®]
GLOBAL
High quality Turkish brand

DATA
SHEET

GSP
SERIES

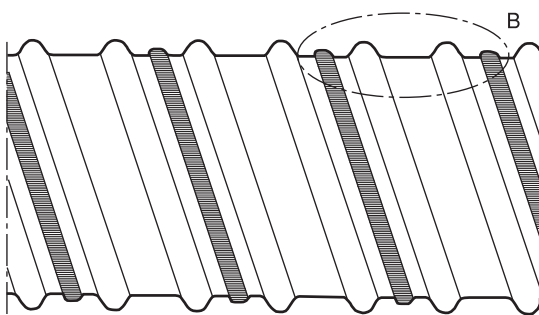
GALVANIZED
DUCT





Number of Strands		4	7	9	12	15	19	22	27	31									
GALVANIZED CORRUGATED DUCT		High quality Turkish brand																	
A	Internal Dia. Ø(mm)										Ø 45	Ø 55	Ø 70	Ø 80	Ø 90	Ø 95	Ø 110	Ø 115	Ø 120
B	External Dia. Ø(mm)										Ø 50	Ø 60	Ø 75	Ø 85	Ø 95	Ø 100	Ø 115	Ø 120	Ø 125
C	mt										5,70	5,70	5,70	5,70	5,70	5,70	5,70	5,70	5,70
THICKNESS	mm										0,40	0,40	0,40	0,40	0,40	0,40	0,40	0,40	0,40
GALVANIZED CORRUGATED CONNECTOR																			
A	Ø(mm)	Ø 50	Ø 60	Ø 75	Ø 85	Ø 95	Ø 100	Ø 115	Ø 120	Ø 125									
B	Ø(mm)	Ø 55	Ø 65	Ø 80	Ø 90	Ø 100	Ø 105	Ø 120	Ø 125	Ø 130									
C	mm	300	300	300	300	300	300	300	300	300									
THICKNESS	mm	0,40	0,40	0,40	0,40	0,40	0,40	0,40	0,40	0,40									

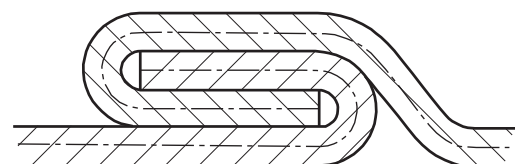
Detail: A



Detail: B



Detail: C



GSP Series - Galvanized Ducts Order Number

Model	Product Description	Order Number
GSP-4.4	Galvanized Corrugated Duct 45 x 50 - 0,40 / Length : 5,70 mt	GB4.4550-40.00
GSP-4.4M-30	Galvanized Corrugated connector 50 x 55 - 0,40 / Length : 0,30 mt	GM4.5055-40.03
GSP-4.4M-40	Galvanized Corrugated connector 50 x 55 - 0,40 / Length : 0,40 mt	GM4.5055-40.04
GSP-4.4M-50	Galvanized Corrugated connector 50 x 55 - 0,40 / Length : 0,50 mt	GM4.5055-40.05

GSP-7.4	Galvanized Corrugated Duct 55 x 60 - 0,40 / Length : 5,70 mt	GB7.5560-40.00
GSP-7.4M-30	Galvanized Corrugated connector 60 x 65 - 0,40 / Length : 0,30 mt	GM7.6065-40.03
GSP-7.4M-40	Galvanized Corrugated connector 60 x 65 - 0,40 / Length : 0,40 mt	GM7.6065-40.04
GSP-7.4M-50	Galvanized Corrugated connector 60 x 65 - 0,40 / Length : 0,50 mt	GM7.6065-40.05

GSP-9.4	Galvanized Corrugated Duct 70 x 75 - 0,40 / Length : 5,70 mt	GB9.7075-40.00
GSP-9.4M-30	Galvanized Corrugated connector 75 x 80 - 0,40 / Length : 0,30 mt	GM9.7580-40.03
GSP-9.4M-40	Galvanized Corrugated connector 75 x 80 - 0,40 / Length : 0,40 mt	GM9.7580-40.04
GSP-9.4M-50	Galvanized Corrugated connector 75 x 80 - 0,40 / Length : 0,50 mt	GM9.7580-40.05

GSP-12.4	Galvanized Corrugated Duct 80 x 85 - 0,40 / Length : 5,70 mt	GB12.8085-40.00
GSP-12.4M-30	Galvanized Corrugated connector 85 x 90 - 0,40 / Length : 0,30 mt	GM12.8590-40.03
GSP-12.4M-40	Galvanized Corrugated connector 85 x 90 - 0,40 / Length : 0,40 mt	GM12.8590-40.04
GSP-12.4M-50	Galvanized Corrugated connector 85 x 90 - 0,40 / Length : 0,50 mt	GM12.8590-40.05

GSP-15.4	Galvanized Corrugated Duct 90 x 95 - 0,40 / Length : 5,70 mt	GB15.9095-40.00
GSP-15.4M-30	Galvanized Corrugated connector 95 x 100 - 0,40 / Length : 0,30 mt	GM15.95100-40.03
GSP-15.4M-40	Galvanized Corrugated connector 95 x 100 - 0,40 / Length : 0,40 mt	GM15.95100-40.04
GSP-15.4M-50	Galvanized Corrugated connector 95 x 100 - 0,40 / Length : 0,50 mt	GM15.95100-40.05

GSP Series - Galvanized Ducts Order Number

Model	Product Description	Order Number
GSP-19.4	Galvanized Corrugated Duct 95 x 100 - 0,40 / Length : 5,70 mt	GB19.95100-40.00
GSP-19.4M-30	Galvanized Corrugated connector 100 x 105 - 0,40 / Length : 0,30 mt	GM19.100105-40.03
GSP-19.4M-40	Galvanized Corrugated connector 100 x 105 - 0,40 / Length : 0,40 mt	GM19.100105-40.04
GSP-19.4M-50	Galvanized Corrugated connector 100 x 105 - 0,40 / Length : 0,50 mt	GM19.100105-40.05

GSP-22.4	Galvanized Corrugated Duct 110 x 115 - 0,40 / Length : 5,70 mt	GB22.110115-40.00
GSP-22.4M-30	Galvanized Corrugated connector 115 x 120 - 0,40 / Length : 0,30 mt	GM22.115120-40.03
GSP-22.4M-40	Galvanized Corrugated connector 115 x 120 - 0,40 / Length : 0,40 mt	GM22.115120-40.04
GSP-22.4M-50	Galvanized Corrugated connector 115 x 120 - 0,40 / Length : 0,50 mt	GM22.115120-40.05

GSP-27.4	Galvanized Corrugated Duct 115 x 120 - 0,40 / Length : 5,70 mt	GB27.115120-40.00
GSP-27.4M-30	Galvanized Corrugated connector 120 x 125 - 0,40 / Length : 0,30 mt	GM27.120125-40.03
GSP-27.4M-40	Galvanized Corrugated connector 120 x 125 - 0,40 / Length : 0,40 mt	GM27.120125-40.04
GSP-22.4M-50	Galvanized Corrugated connector 120 x 125 - 0,40 / Length : 0,50 mt	GM27.120125-40.05

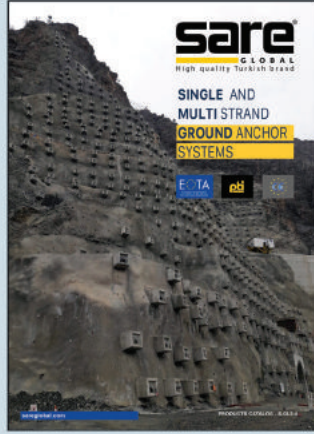
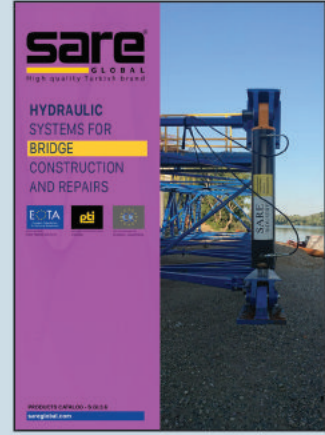
GSP-31.4	Galvanized Corrugated Duct 120 x 125 - 0,40 / Length : 5,70 mt	GB31.120125-40.00
GSP-31.4M-30	Galvanized Corrugated connector 125 x 130 - 0,40 / Length : 0,30 mt	GM31.125130-40.03
GSP-31.4M-40	Galvanized Corrugated connector 125 x 130 - 0,40 / Length : 0,40 mt	GM31.125130-40.04
GSP-31.4M-50	Galvanized Corrugated connector 125 x 130 - 0,40 / Length : 0,50 mt	GM31.125130-40.05

GSP Series - Tests and Performance Results

Test	Specifications	Unit	GSP-4	GSP-7	GSP-9	GSP-12
Dimension Properties	Internal Diameter (Nominal)	mm	45	55	70	80
	Outer Diameter (Nominal)	mm	50	60	75	85
	Wall Thickness (Nominal)	mm	0,4	0,4	0,4	0,4
	Height of Profile (Nominal)	mm	1,9	1,9	1,9	1,9
	Relative Volume of Profile	cm ³	0,022	0,022	0,014	0,034
Flexural Behavior	Span Length	mm	1000	1000	1000	1000
	Irreversible Deflection	mm	1,09	1,16	1,19	0,99
	Total Deflection	mm	13,21	15,73	12,8	10,92
	Load	N	253	277	553	608
To and Fro Bending Test	Radius	mm	750	750	750	750
	Applying of the Steel Plunger	-	Pass	Pass	Pass	Pass
Lateral Load Resistance	Length	mm	1100	1100	1100	1100
	Applied Load	N	1500	1500	1500	1500
	Internal Diameter	mm	45,43	53,67	70,3	80,6
	Smallest Irreversible Internal Diameter on the Seam	mm	46,56	52,38	71,17	81,37
	Smallest Irreversible Internal Diameter on the Seam	mm	44,74	50,61	68,3	79,46
Tensile Test	Internal Diameter	mm	45,43	53,67	70,3	80,6
	Length of Overlap	mm	68	83	105	120
	Tensile Load	N	800	1100	1500	1700
	Displacement	mm	0,89	1,02	1,85	0,71
Tensile Test	Length	mm	1100	1100	1100	1100
	Water Loss	%	0,2	0,3	0,2	0,4

GSP Series - Tests and Performance Results

Test	Specifications	Unit	GSP-15	GSP-19	GSP-22	GSP-27	GSP-31
Dimension Properties	Internal Diameter (Nominal)	mm	90	95	110	115	120
	Outer Diameter (Nominal)	mm	95	100	115	120	125
	Wall Thickness (Nominal)	mm	0,4	0,4	0,4	0,4	0,4
	Height of Profile (Nominal)	mm	1,9	1,9	1,9	1,9	1,9
	Relative Volume of Profile	cm ³	0,041	0,028	0,033	0,029	0,041
Flexural Behavior	Span Length	mm	1000	1000	1000	1000	1000
	Irreversible Deflection	mm	0,76	0,9	0,65	0,63	0,77
	Total Deflection	mm	7,94	9,85	7,55	7,13	8,76
	Load	N	553	627	631	618	644
To and Fro Bending Test	Radius	mm	900	900	1000	1000	1000
	Applying of the Steel Plunger	-	Pass	Pass	Pass	Pass	Pass
Lateral Load Resistance	Length	mm	1100	1100	1100	1100	1100
	Applied Load	N	1500	1500	1500	1500	1500
	Internal Diameter	mm	80,41	95,36	110,36	115,21	120,21
	Smallest Irreversible Internal Diameter on the Seam	mm	91,44	96,39	111,63	114,81	119,85
	Smallest Irreversible Internal Diameter on the Seam	mm	89,74	94,71	109,73	112,36	117,26
Tensile Test	Internal Diameter	mm	80,41	95,36	110,36	115,21	120,21
	Length of Overlap	mm	135	143	165	173	180
	Tensile Load	N	1900	1900	2200	2200	2200
	Displacement	mm	0,67	3,11	2,28	3,37	3,18
Tensile Test	Length	mm	1100	1100	1100	1100	1100
	Water Loss	%	0,3	0,6	0,5	0,4	0,6



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