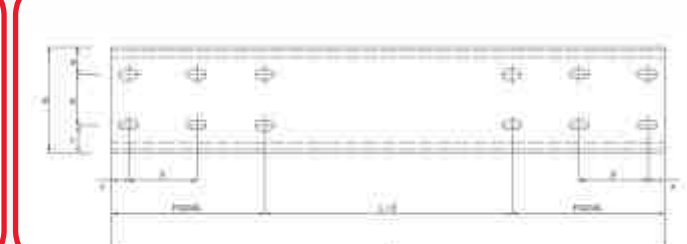


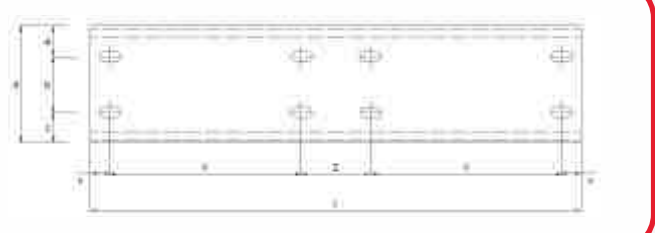
STANDARD PUNCHING DETAILS FOR "Z" PURLINS

PURLINS PUNCHING PATTERN WITH SINGLE SAG ROD

PURLINS PUNCHING PATTERN WITH DOUBLE SAG ROD



SLEEVES PUNCHING PATTERN



GENERAL RECOMMENDATIONS FOR NUMBER OF SAG RODS

PURLIN	SPAN	No. of SAG RODS PER BAY
Below	4m	Nil
Above	4m upto 6m	One
Above	6m upto 10 m	Two

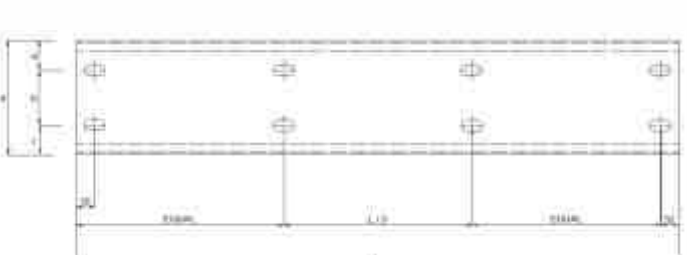
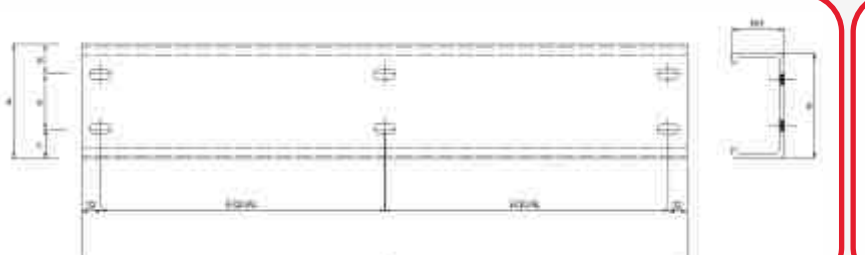
Z - SECTION PUNCHING DIMENSIONS

SECTION	Wt	Wb	d	a	b	c	x	y	z	l	SLOT DIMENSION
Z 85	41	34	85	17.5	50	17.5	32	158	70	450	25 x 18
Z110	55	50	110	36.5	39	34.55	32	193	70	520	
Z125	55	50	125	44	39	42	32	193	70	520	
Z150	60	52	150	46	60	44	32	193	70	520	
Z165	55	50	165	44	79	42	32	218	70	570	
Z210	66	59	210	44	124	42	32	243	70	620	
Z230	66	59	230	44	144	42	32	243	70	620	

STANDARD PUNCHING DETAILS FOR "C" PURLINS

PURLINS PUNCHING PATTERN WITH SINGLE SAG ROD

PURLINS PUNCHING PATTERN WITH DOUBLE SAG ROD



C - SECTION PUNCHING DIMENSIONS

GENERAL RECOMMENDATIONS FOR NUMBER OF SAG RODS

PURLIN	SPAN	No. of SAG RODS PER BAY
Below	4m	Nil
Above	4m upto 6m	One
Above	6m upto 10 m	Two

SECTION DEPTH	a	b	c	d	SLOT DIMENSION
LIP.CH.100	30	40	30	100	25 x 18
LIP.CH.120	40	40	40	120	
LIP.CH.140	40	60	40	140	
LIP.CH.160	50	60	50	160	
LIP.CH.175	55	65	55	175	
LIP.CH.180	55	70	55	180	
LIP.CH.200	60	80	60	200	
LIP.CH.220	65	90	65	220	
LIP.CH.240	70	100	70	240	

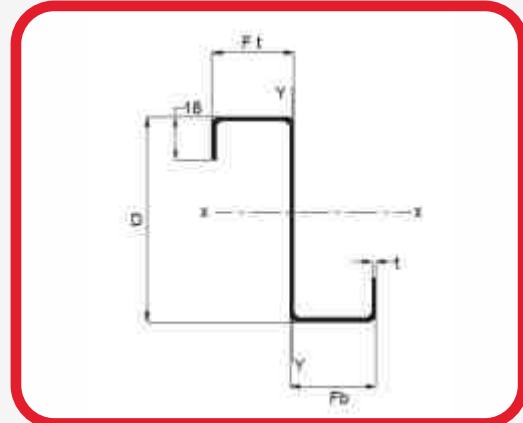
STANDARD PURLIN SELECTION TABLE "Z" SECTION

Slope 10 Deg. TO 14 Deg.

YIELD STRESS OF MATERIAL = 2400 KG/CM2

WIND LOAD : 100 KG/CM2

SPAN	NO. OF SAG RODS	A/C SHEET ROOFING 1.4 M SPACING	G.I.SHEET ROOFING 1.6 M SPACING
3.0 m	--	Z 110 x 2.0 @ 3.71 kg/m	Z 110 x 2.0 @ 3.71 kg/m
3.5 m	--	Z 110 x 2.3 @ 4.22 kg/m	Z 110 x 2.3 @ 4.22 kg/m
4.0 m	--	Z 150 x 2.3 @ 5.07 kg/m	Z 150 x 2.3 @ 5.07 kg/m
4.5 m	-1-	Z 150 x 2.0 @ 4.45 kg/m	Z 150 x 2.0 @ 4.45 kg/m
5.0 m	-1-	Z 150 x 2.3 @ 5.07 kg/m	Z 150 x 2.3 @ 5.07 kg/m
5.5 m	-1-	Z 165 x 2.55 @ 5.74 kg/m	Z 165 x 2.0 @ 5.06 kg/m
6.0 m	-1-	Z210 x 2.0 @ 5.60 kg/m	Z210 x 2.0 @ 5.06 kg/m
6.5 m	-2-	Z 210 x 2.0 @ 5.60 kg/m	Z 210 x 2.3 @ 6.41 kg/m
7.0 m	-2-	Z210 x 2.55 @ 7.08 kg/m	Z210 x 2.55 @ 7.08 kg/m
7.5 m	-2-	Z 230 x 2.55 @ 7.50 kg/m	Z 230 x 2.55 @ 7.50 kg/m



Slope 10 Deg. TO 14 Deg.

YIELD STRESS OF MATERIAL = 2400 KG/CM2

WIND LOAD : 150 KG/CM2

SPAN	NO. OF SAG RODS	A/C SHEET ROOFING 1.4 M SPACING	G.I.SHEET ROOFING 1.6 M SPACING
3.0 m	--	Z 110 x 2.0 @ 3.71 kg/m	Z 110 x 2.0 @ 3.71 kg/m
3.5 m	--	Z 110 x 2.3 @ 4.22 kg/m	Z 110 x 2.3 @ 4.22 kg/m
4.0 m	--	Z 150 x 2.3 @ 5.07 kg/m	Z 150 x 2.3 @ 5.07 kg/m
4.5 m	-1-	Z 150 x 2.0 @ 4.45 kg/m	Z 150 x 2.0 @ 4.45 kg/m
5.0 m	-1-	Z 150 x 2.3 @ 5.07 kg/m	Z 150 x 2.55 @ 5.56 kg/m
5.5 m	-1-	Z 165 x 2.0 @ 5.60 kg/m	Z 165 x 2.0 @ 5.60 kg/m
6.0 m	-1-	Z210 x 2.0 @ 5.60 kg/m	Z210 x 2.0 @ 5.60 kg/m
6.5 m	-2-	Z 210 x 2.0 @ 5.60 kg/m	Z 210 x 2.3 @ 6.41 kg/m
7.0 m	-2-	Z210 x 2.55 @ 7.08 kg/m	Z230 x 2.55 @ 7.50 kg/m
7.5 m	-2-	Z 230 x 2.55 @ 7.50 kg/m	Z 230 x 2.55 @ 7.50 kg/m

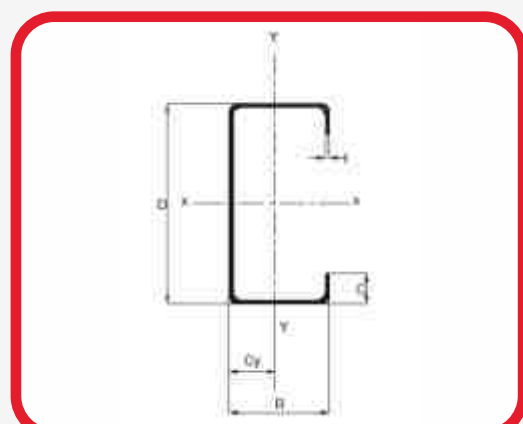
STANDARD PURLIN SELECTION TABLE "C" SECTION

Slope 10 Deg. TO 14 Deg.

YIELD STRESS OF MATERIAL = 2400 KG/CM2

WIND LOAD : 100 KG/CM2

SPAN	NO. OF SAG RODS	A/C SHEET ROOFING 1.4 M SPACING	G.I.SHEET ROOFING 1.6 M SPACING
3.0 m	--	LIP CH . 100 X 50 X 15 X 2.3 @ 3.82 Kg/m	LIP CH . 100 X 50 X 20 X 2.0 @ 3.52 Kg/m
3.5 m	--	LIP CH . 100 X 65 X 20 X 2.0 @ 3.99 Kg/m	LIP CH . 100 X 65 X 20 X 2.0 @ 3.99 Kg/m
4.0 m	--	LIP CH . 120 X 65 X 20 X 2.3 @ 4.90 Kg/m	LIP CH . 100 X 65 X 20 X 2.3 @ 4.90 Kg/m
4.5 m	-1-	LIP CH . 140 X 65 X 15 X 2.0 @ 4.46 Kg/m	LIP CH . 140 X 65 X 20 X 2.0 @ 4.46 Kg/m
5.0 m	-1-	LIP CH . 140 X 65 X 15 X 2.3 @ 5.08 Kg/m	LIP CH . 140 X 65 X 20 X 2.3 @ 5.08 Kg/m
5.5 m	-1-	LIP CH . 160 X 65 X 15 X 2.3 @ 5.45 Kg/m	LIP CH . 160 X 65 X 20 X 2.3 @ 5.63Kg/m
6.0 m	-1-	LIP CH . 175 X 65 X 15 X 2.55@ 6.30 Kg/m	LIP CH . 175 X 65 X 20 X 2.55 @ 6.50 Kg/m
6.5 m	-2-	LIP CH . 175 X 65 X 15 X 3.15@ 7.66 Kg/m	LIP CH . 180 X 65 X 20 X 2.55 @ 6.60 Kg/m
7.0 m	-2-	LIP CH . 180 X 65 X 15 X 3.15@ 7.78 Kg/m	LIP CH . 180 X 65 X 20 X 3.15 @ 8.03 Kg/m
7.5 m	-2-	LIP CH . 200 X 65 X 15 X 3.15 @ 8.28 Kg/m	LIP CH . 200 X 65 X 20 X 3.15 @ 8.53 Kg/m



Slope 10 Deg. TO 14 Deg.

YIELD STRESS OF MATERIAL = 2400 KG/CM2

WIND LOAD : 150 KG/CM2

SPAN	NO. OF SAG RODS	A/C SHEET ROOFING 1.4 M SPACING	G.I.SHEET ROOFING 1.6 M SPACING
3.0 m	--	LIP CH . 100 X 50 X 15 X 2.3 @ 3.82 Kg/m	LIP CH . 100 X 50 X 20 X 2.0 @ 3.52 Kg/m
3.5 m	--	LIP CH . 100 X 65 X 20 X 2.0 @ 3.99 Kg/m	LIP CH . 100 X 65 X 20 X 2.0 @ 3.99 Kg/m
4.0 m	--	LIP CH . 120 X 65 X 20 X 2.3 @ 4.90 Kg/m	LIP CH . 100 X 65 X 20 X 2.3 @ 4.90 Kg/m
4.5 m	-1-	LIP CH . 140 X 65 X 15 X 2.0 @ 4.46 Kg/m	LIP CH . 140 X 65 X 15 X 2.0 @ 4.46 Kg/m
5.0 m	-1-	LIP CH . 140 X 65 X 15 X 2.3 @ 5.08 Kg/m	LIP CH . 140 X 65 X 15 X 2.3 @ 5.08 Kg/m
5.5 m	-1-	LIP CH . 160 X 65 X 15 X 2.3 @ 5.45 Kg/m	LIP CH . 160 X 65 X 15 X 2.55 @ 6.0Kg/m
6.0 m	-1-	LIP CH . 175 X 65 X 15 X 2.55@ 6.30 Kg/m	LIP CH . 175 X 65 X 20 X 2.55 @ 6.5 Kg/m
6.5 m	-2-	LIP CH . 175 X 65 X 15 X 3.15@ 7.66 Kg/m	LIP CH . 180 X 65 X 15 X 2.8 @ 6.98 Kg/m
7.0 m	-2-	LIP CH . 180 X 65 X 15 X 3.15@ 7.78 Kg/m	LIP CH . 200X 65 X 20 X 3.15 @ 8.53 Kg/m
7.5 m	-2-	LIP CH . 200 X 65 X 15 X 3.15 @ 8.28 Kg/m	LIP CH . 200 X 65 X 15 X 3.15 @ 9.02 Kg/m

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