

PETROCLAMP CABLE/CONTROL LINE PROTECTOR ENGINEERING DETAILS

	DESCRIPTION	PN	Control line Configurations *	TOTAL UNIT WEIGHT (kg)	MAXIMUM RUNNING ID (MM)	MAXIMUM RUNNING OD (MM)	THICKNESS (MM)	LENGTH (MM)	MATERIAL	LOAD RATING AXIAL (MT)	LOAD RATING LATERAL (MT)
1	2-3/8in Dual Cross Coupling Cable Protector, ASTM A216 CS WCB	A238DCPXXX	Max 4 x 11 x 11	1.80 – 2.10	60.3	104.0 – 110.0	5.0 -5.5	280-300	ASTM A216 WCB CARBON STEEL	20	15
2	2-3/8in Single Cross Coupling Cable Protector, ASTM A216 CS WCB	A238SCPXXX	Max 4 x 11 x 11 or 2 Dual Flatpacks	1.80 – 2.10	60.3	104.0 – 115.0	5.0 -5.5	280-300	ASTM A216 WCB CARBON STEEL	20	15
3	2-7/8in Dual Cross Coupling Cable Protector, ASTM A216 CS WCB	A278DCPXXX	Max 6 x 11 x 11 Or 3 dual Flatpacks	3.20-3.85	73.0	117.0 - 126.0	5.0 -5.5	275-320	ASTM A216 WCB CARBON STEEL	20	15
4	2-7/8in Single Cross Coupling Cable Protector, ASTM A216 CS WCB	A278SCPXXX	Max 6 x 11 x 11 Or 3 dual Flatpacks	3.20-3.85	73.0	121.0 - 133.0	5.0-5.5	275-320	ASTM A216 WCB CARBON STEEL	20	15

5	3-1/2in Single Cross Coupling Cable Protector, ASTM A216 CS WCB 2 X 11 X 11 Mm Encap Cable, 2 X 0.25 In Bare Controline	A312SCPXXX	8 x 11 x 11 or 2 Flatpacks	3.10-4.25	88.90	133.50	5.0 -6.5	305	ASTM A216 WCB CARBON STEEL	5.00	2.00
6	3-1/2in Universal Cross Coupling Cable Protector, ASTM A216 CS WCB	A312UCP001 A	2 x 11x 11 and 1 Dual flatpack	4.42	88.90	136.0	7.0	350.	ASTM A216 WCB CARBON STEEL	5.00	2.00
7	3-1/2in Dual Cross Coupling Cable Protector, ASTM A216 CS WCB	A312DCP001B	1 x 11 x 11mm and 1 Dual flatpacks	5.50	88.90	Combined 206.00	7.0	345.	ASTM A216 WCB CARBON STEEL	5.00	2.00
8	4-1/2in Single Cross Coupling Cable Protector, ASTM A216 CS WCB	A412SCPXXX	10 x 11x 11 and 1 Dual flatpack	3.48-4.10	114.30	153.0-158.0	5.5 – 7.0	350-405	ASTM A216 WCB CARBON STEEL	5.00	2.00
9	5-1/2in Single Cross Coupling Cable Protector, ASTM A216 CS WCB	A512SCPXXX	12 x 11x 11 and 1 Dual flatpack	6.50-10.50	139.7	184.2 – 191.0	5.5 – 7.0	410-480	ASTM A216 WCB CARBON STEEL	5.00	2.00

10	7in Single Cross Coupling Cable Protector, ASTM A216 CS WCB	A700SCPXXX	12 x 11x 11 and 1 Dual flatpack	7.50 - 11.50	177.8	214.0 - 221.0	5.5 - 7.0	450 - 495	ASTM A216 WCB CARBON STEEL	5.00	2.00
11	2-3/8in Mid Joint Cable Protector, ASTM A216 CS WCB	A238SMPXXX	Max 4 x 11 x 11	1.80 – 2.10	60.3	100.0 – 115.0	5.0 -5.5	Max 65	ASTM A216 WCB CARBON STEEL	20	15
12	2-7/8in Single Mid Joint Cable Protector, ASTM A216 CS WCB	A278SMP008	Max 6 x 11 x 11 Or 3 dual Flatpacks	~ 1.653	73.0	115.0 - 133.0	5.0 -5.5	Max 65	ASTM A216 WCB CARBON STEEL	5.00	2.00
13	3-1/2in Single Mid Joint Cable Protector, ASTM A216 CS WCB	A312SMP009	8 x 11 x 11 or 2 Flatpacks	~ 1.540	88.9	115.0 - 133.0	5.0 -6.5	Max 65	ASTM A216 WCB CARBON STEEL	5.00	2.00
14	4-1/2in Single Mid Joint Cable Protector, ASTM A216 CS WCB	A412SMP013	10 x 11x 11 and 1 Dual flatpack	~ 1.674	114.30	148.0- 158.0	5.5 – 7.0	Max 80	ASTM A216 WCB CARBON STEEL	5.00	2.00

15	5-1/2in Single Mid Joint Cable Protector, ASTM A216 CS WCB	A512SMPXXX	12 x 11x 11 and 1 Dual flatpack	~ 1.84	139.7	175.0 – 191.0	5.5 – 7.0	Max 80	ASTM A216 WCB CARBON STEEL	5.00	2.00
16	7in Single Mid Joint Cable Protector, ASTM A216 CS WCB	A700SMPXXX	12 x 11x 11 and 1 Dual flatpack	~ 2.12	177.8	200.0 - 210.0	5.5 – 7.0	Max 95	ASTM A216 WCB CARBON STEEL	5.00	2.00
17	2-3/8 in Special Cable Protector, ASTM A216 CS WCB	A238SPPXXX	Max 4 x 11 x 11	**	60.3	**	5.0 -5.5	**	ASTM A216 WCB CARBON STEEL	20	15
18	2-7/8in Special Cable Protector, ASTM A216 CS WCB	A278SPP008	Max 6 x 11 x 11 Or 3 dual Flatpacks	**	73.0	**	5.0 -5.5	**	ASTM A216 WCB CARBON STEEL	5.00	2.00
19	3-1/2in Special Cable Protector, ASTM A216 CS WCB	A312SPP009	8 x 11 x 11 or 2 Flatpacks	**	88.9	**	5.0 -6.5	**	ASTM A216 WCB CARBON STEEL	5.00	2.00

20	4-1/2in Special Cable Protector, ASTM A216 CS WCB 2 X 11 X 11 Mm Encap Cable, 2 X 0.25 In Bare Controline	A412SPP013	10 x 11x 11 and 1 Dual flatpack	**	114.30	**	5.5 – 7.0	**	ASTM A216 WCB CARBON STEEL	5.00	2.00
21	5-1/2in Special Cable Protector, ASTM A216 CS WCB	A512SPPXXX	12 x 11x 11 and 1 Dual flatpack	**	139.7	**	5.5 – 7.0	**	ASTM A216 WCB CARBON STEEL	5.00	2.00
22	7in Special Cable Protector, ASTM A216 CS WCB	A700SPPXXX	12 x 11x 11 and 1 Dual flatpack	**	177.8	**	5.5 – 7.0	**	ASTM A216 WCB CARBON STEEL	5.00	2.00

Note:

- 1) * Triple or more fla12.6 PPF JFE FOX / BEAR / 12.6 PPF VAM TOP tpacks will be customized
- 2) ** Will be determined by the OD and length of the Safety Valve, Gas Lift Mandrel and any other completion equipments cable by pass
- 3) ESP cable protector will be customized