

ОРАЗМЕРЯВАНЕ НА ОПОРНИТЕ БЛОКОВЕ ПО ЧУПКИТЕ НА ВОДОПРОВОДИТЕ

Обект: Подмяна на водопроводи по ул. "Цар Симеон I" в участъка от ул. "Богориди" до ул. "Булаир" и по ул. „Булаир“, ЦГЧ, гр. Бургас

1. За колена.

$$a_1 \leq 15, \text{ cm}$$

$$a_2 = k.D_y + 1/2 D_y, \text{ cm}$$

$$a_3 = D_y + 1/4 D_y \geq 15 \text{ cm}$$

$$a_4 = D_y/4 \geq 15, \text{ cm}$$

$$A = a_1 + a_2 + a_3, \text{ cm}$$

$$h \geq 10, \text{ cm}$$

$$b = 1/2 D_y \geq 20, \text{ cm}$$

$$B = 2k.D_y + D_y, \text{ cm}$$

$$H = k.D_y + D_y, \text{ cm}$$

$$F_{\text{необх}} = R/\sigma_n, \text{ m}^2$$

$$\sigma_n = 0.5 \sigma_{\text{доп}}$$

$$\sigma_{\text{доп}} = 2 \text{ kg/cm}^2$$

$$\sigma_n = 0.5 \sigma_{\text{доп}} = 10 \text{ t/m}^2$$

$$F_{\text{нал.}} = B.H, \text{ m}^2$$

$$k = -0.75 \pm \sqrt{0.0625 + 0.785 \times \cos\left(90 - \frac{\alpha}{2}\right) \times \frac{p}{\sigma_n}}$$

D_y mm	α °	p_{max} t/m ²	$F = n.D^2/4$ m ²	$P = pF$ t	$R = 2P \sin(\alpha/2)$	$F_{\text{необх}} = R/\sigma_n$ m ²	k	a_1 cm	a_2 cm	a_3 cm	a_4 cm	A cm	B cm	b cm	h cm	H cm	$F_{\text{нал.}}$ m ²
110	11.25	100	0.010	0.950	0.186	0.019	0.162	15	15	25	15	55	15	20	10	15	0.023
110	22.50	100	0.010	0.950	0.371	0.037	0.513	15	15	25	15	55	25	20	10	20	0.050
140	22.50	100	0.015	1.539	0.601	0.060	0.513	15	15	30	15	60	30	20	10	25	0.075
160	45.00	100	0.020	2.011	1.539	0.154	1.001	15	25	30	15	70	50	20	10	35	0.175
140	60.00	100	0.015	1.539	1.539	0.154	1.247	15	25	30	15	70	50	20	10	35	0.175
160	60.00	100	0.020	2.011	2.011	0.201	1.247	15	30	30	15	75	60	20	10	40	0.240
90	90.00	100	0.006	0.636	0.900	0.090	1.619	15	20	25	15	60	40	20	10	25	0.100
110	90.00	100	0.010	0.950	1.344	0.134	1.619	15	25	25	15	65	50	20	10	30	0.150
140	90.00	100	0.015	1.539	2.177	0.218	1.619	15	30	30	15	75	60	20	15	40	0.240
160	90.00	100	0.020	2.011	2.843	0.284	1.619	15	35	30	15	80	70	20	15	45	0.315

