

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

3. За тройници.

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

$$b = D_{y1} \geq 20, \text{ cm}$$

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

$$a_2 = k \cdot D_{y2} + 1/2 D_{y2} \geq D_{y1}, \text{ cm}$$

$$B = 2k \cdot D_{y2} + D_{y2} \geq D_{y1} + 20, \text{ cm}$$

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

$$a_3 = D_{y1}, \text{ cm}$$

$$H = k \cdot D_{y2} + D_{y2} \geq D_{y1} + 20, \text{ cm}$$

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

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

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

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

D_{y1} mm	D_{y2} mm	p_{max} t/m ²	$F = n \cdot D^2 / 4$ m ²	$P = pF$ t	$R = P$	$F_{\text{необх}} = R / \sigma_n$ m ²	k	a_1 cm	a_2 cm	a_3 cm	A cm	B cm	b cm	H cm	$F_{\text{нал.}}$ m ²
90	90	100	0.006	0.636	0.636	0.064	1.280	15	20	10	45	35	20	29	0.102
110	75	100	0.004	0.442	0.442	0.044	1.280	15	15	15	45	31	20	31	0.096
110	90	100	0.006	0.636	0.636	0.064	1.280	15	20	15	50	31	20	31	0.096
110	110	100	0.010	0.950	0.950	0.095	1.280	15	20	15	50	40	20	31	0.124
140	90	100	0.006	0.636	0.636	0.064	1.280	15	20	15	50	34	20	34	0.116
160	110	100	0.010	0.950	0.950	0.095	1.280	15	20	20	55	40	20	36	0.144
160	160	100	0.020	2.011	2.011	0.201	1.280	15	30	20	65	60	20	36	0.216

