

## ОРАЗМЕРЯВАНЕ НА ОПОРНИТЕ БЛОКОВЕ ПО ЧУПКИТЕ НА ВОДОПРОВОДИТЕ

Обект: Реконструкция водопровод РШ "Струга" площад "Трапезица" - гр. Бургас

### 2. За муфени 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	$\alpha$ °	$p_{\text{max}}$ t/m <sup>2</sup>	$F = n.D^2/4$ m <sup>2</sup>	$P = pF$ t	$R = 2P \sin(\alpha/2)$	$F_{\text{необх}} = R/\sigma_n$ m <sup>2</sup>	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 <sup>2</sup>
400	11.25	100	0.126	12.566	2.463	0.246	0.162	15	30	55	15	100	55	20	10	50	0.275
450	22.50	100	0.159	15.904	6.206	0.621	0.513	15	50	60	15	125	95	25	15	70	0.665
450	45.00	100	0.159	15.904	12.173	1.217	1.001	15	70	60	15	145	140	25	25	95	1.330
400	90.00	100	0.126	12.566	17.772	1.777	1.619	15	85	55	15	155	170	20	35	105	1.785

