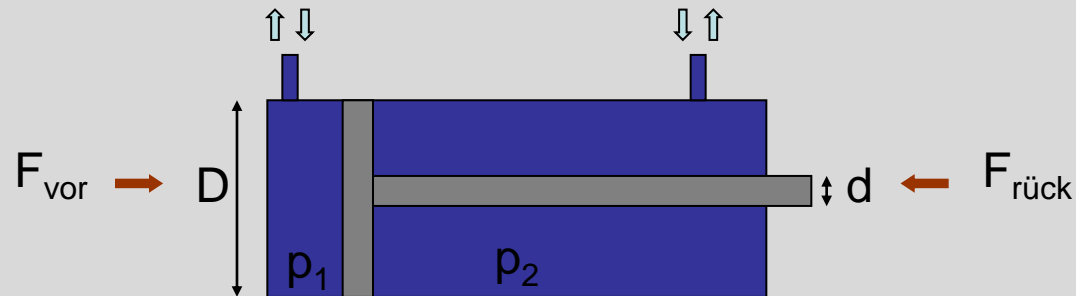




2RPS Mechatronik

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Sonderlösungen sind unser Standard



$$D = 50\text{mm} \quad d = 14,8\text{mm} \quad p_1 = p_2 = 6 \text{ bar} = 0,6 \text{ N/mm}^2 \quad F_{\text{vor}} = ? \quad F_{\text{rück}} = ?$$

Berechnung:

$$A_k = (D^2 \times \pi/4) = 1963\text{mm}^2$$
$$F_{\text{vor}} = (p_1 \times A_k) = \underline{1178\text{N}}$$

$$A_s = 172\text{mm}^2$$
$$F_{\text{rück}} = [(A_k - A_s) \times p_2] = \underline{1075\text{N}}$$