



Worm and wheel gear reducer

Torque up to 40Nm

PF45

- Ratios from 5:1 to 120:1
- Output backlash $\approx 0^{\circ}30'$
- Max input speed: 3000 rpm
- Materials:

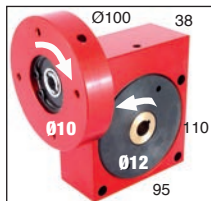
Casing: Anodised aluminium

Input: High carbon steel

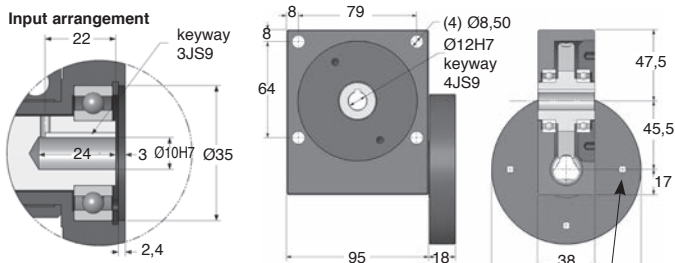
Output: Bronze

- The angle of the input flange is not aligned
- Verify it is suitable for use with your motor
- Weight: 1,15 kg

High reduction ratios



Input arrangement



OUTPUT TORQUE (Nm values given as a guide only)

Ratios	10:1	12:1	15:1	20:1	30:1	60:1	120:1
3000	10,30	10,80	11,30	12,20	13,20	14,70	10,80
2000	11,70	12,20	12,70	13,20	14,70	17,10	12,70
1000	14,70	15,20	16,20	17,10	18,10	20,60	14,30
500	19,10	19,60	20,60	21,60	22,50	24,50	17,50
200	24,40	25,50	26,40	27,00	28,90	30,00	20,60
100	28,30	28,90	29,40	30,30	31,80	33,80	22,80
50	32,30	32,80	33,80	34,30	34,50	35,20	23,00
10	39,90	39,90	39,90	40,00	40,00	40,00	23,00

DISCOUNTS

Qty	1+	2+	4+
Disc.	List	-5%	On request

Part number	Ratios	Efficiency at 1000 rpm	Reflected inertia at input (kg.m ²)	Anti-back drive	Price each
PF45-10	10:1	90%	$7,34 \times 10^{-6}$	NO	687,23 €
PF45-12	12:1	89%	$6,84 \times 10^{-6}$	NO	687,23 €
PF45-15	15:1	86%	$6,43 \times 10^{-6}$	NO	687,23 €
PF45-20	20:1	85%	$6,09 \times 10^{-6}$	NO	687,23 €
PF45-30	30:1	78%	$5,86 \times 10^{-6}$	NO	687,23 €
PF45-60	60:1	67%	$5,70 \times 10^{-6}$	YES	687,23 €
PF45-120	120:1	47%	$5,66 \times 10^{-6}$	YES	687,23 €
PF45-SP	5:1-120:1	Ratios from 5:1 to 120:1 or left handed			On request
PF45-A		Reduced output backlash $\approx 0^{\circ}8'$			On request
PF45-AR		Reduced output backlash $\approx 0^{\circ}4'$			On request

Dimensions in mm