

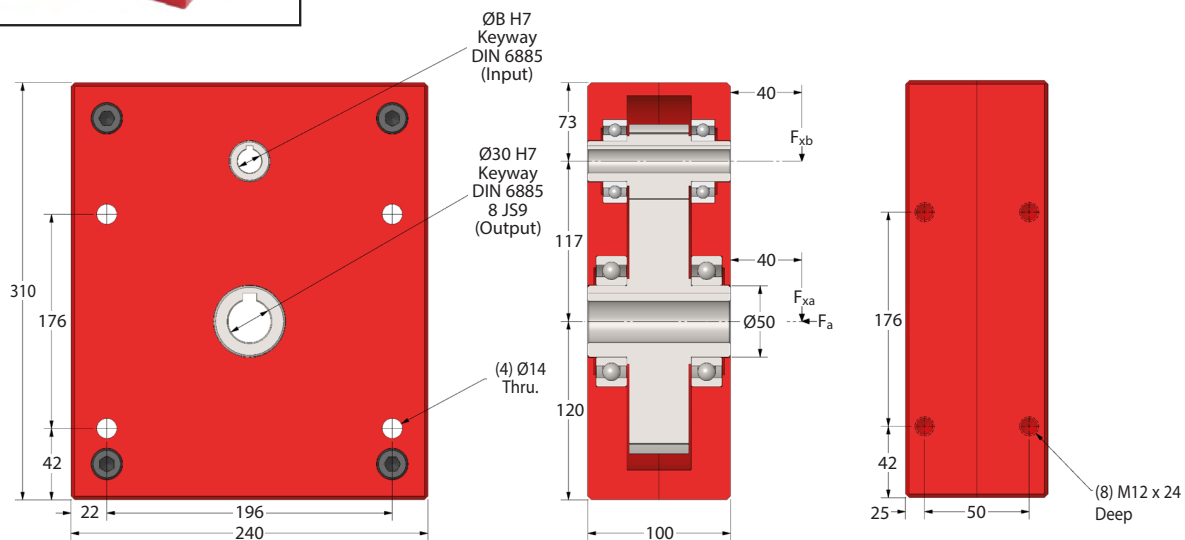
FFS50

GEARBOXES

FFS50

Bore Input Parallel Spur Gear Reducer

30mm Bore Output, 111 – 850 Nm **2:1 - 4:1**



Part Number			Ratio	Efficiency at 1000 Rpm	Nm output at 1000 Rpm
ØB = 16mm	ØB = 19mm	ØB = 20mm			
FFS50-2-16	FFS50-2-19	FFS50-2-20	2:1	93%	180
FFS50-3-16	FFS50-3-19	FFS50-3-20	3:1	93%	168
FFS50-4-16	FFS50-4-19	FFS50-4-20	4:1	93%	160

FFS50-XH-R-B*

Hardened Gears 2:1 to 7:1 multiply all figures listed by 2

* Please advise ratio (R) and input bore (B) when ordering hardened gears

e.g. FFS50-XH-3-19 = 3:1 ratio, 19mm input bore

Weight: 26.3 kg (approx.).

Output Backlash: 1°.

Max. Input Speed: 2,000 Rpm.

Greased for Life: Shell Gadus S5 V42P 2.5.

Max. Overhung and Thrust Loads at 1000 Rpm: Input Overhung Load (F_{xb}) = 40 kg.

Output Overhung Load (F_{xa}) = 100 kg. Output Thrust Load (F_a) = 60 kg.

Input Keys: KK5-30, KK5-50, KK6-50. Output Keys: KK8-7-50.

Testing in your application is necessary.

You will need to assess duty cycles and confirm gearbox suitability with your own calculations. All figures listed are to be used for guidance only.

Output Torque Nm

RPM Input	Reduction Ratio		
	2:1	3:1	4:1
2000	166	156	147
1000	180	168	160
500	207	194	183
200	242	226	214
100	276	260	245
50	318	300	282
10	425	400	380

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