

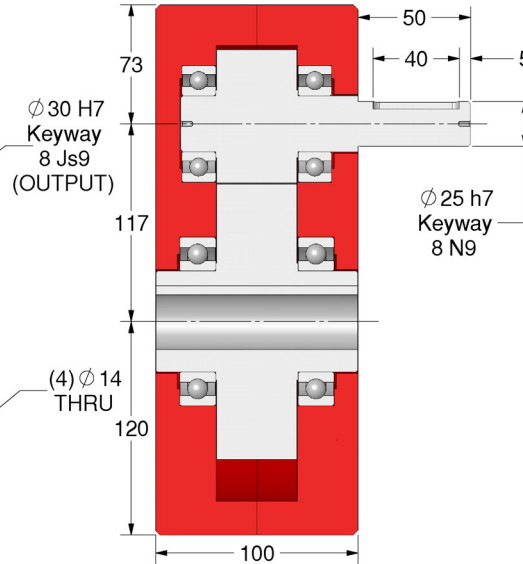
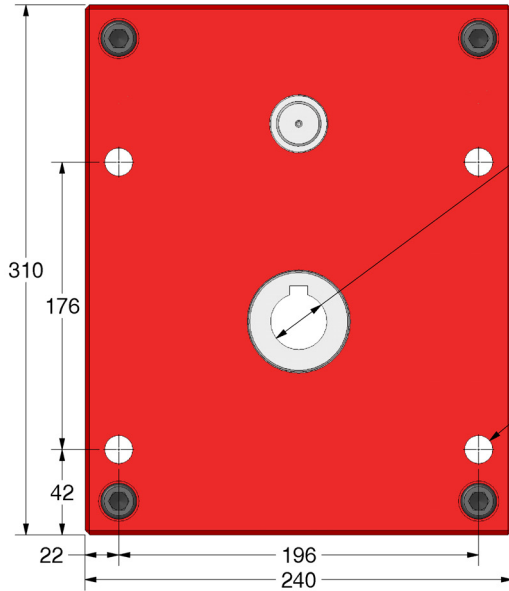
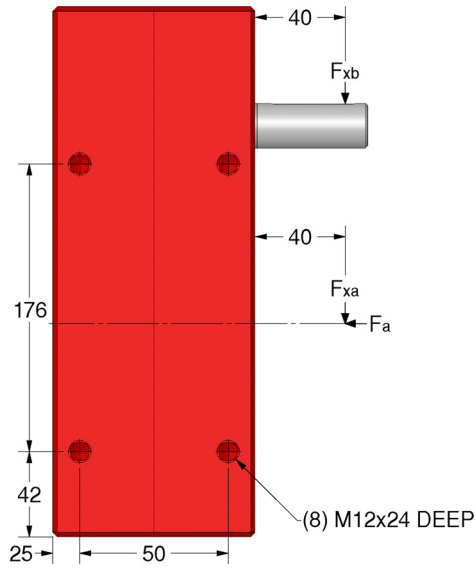
**FF50**

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# GEARBOXES

## Parallel Spur Gear Reducer

25mm Shaft Input - 30mm Bore Output 111Nm – 850Nm **2:1 - 7:1**



**Discounts:** 6+ -5%    20+ -8%    50+ -10%    100+ -12%

Part Number	Ratio	Efficiency at 1000 Rpm	Nm output at 1000 Rpm	Price Each 1 - 5
FF50-2	2:1	93%	180	£729.01
FF50-3	3:1	93%	168	£729.01
FF50-4	4:1	93%	160	£729.01
FF50-5	5:1	93%	149	£729.01
FF50-6	6:1	93%	130	£729.01
FF50-7	7:1	93%	120	£729.01
FF50-XH	Hardened Gears 2:1 to 7:1 multiply All figures listed by 2			£875.42

**Weight:** 26.3kg.

**Output Backlash:** 1°.

**Max Input Speed:** 2000 Rpm.

**Greased for life:** Shell Gadus S5 V42P 2.5.

**Maximum Overhung and Thrust Loads at 1000rpm:** Input Overhung Load ( $F_{xb}$ ) = 40kg. Output Overhung Load ( $F_{xa}$ ) = 100kg. Output Thrust Load ( $F_a$ ) = 60kg.

**Input Keys:** KK8-7-40 £1.15. **Output Keys:** KK8-7-50 £1.38.

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	5:1	6:1	7:1
2000	166	156	147	138	120	111
1000	180	168	160	149	130	120
500	207	194	183	172	150	139
200	242	226	214	200	175	162
100	276	260	245	220	200	185
50	318	300	282	264	230	212
10	425	400	380	356	310	286

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**ondrives**

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Product information updated 16th May 2011 and subject to change. Please contact Sales for the latest prices and availability.

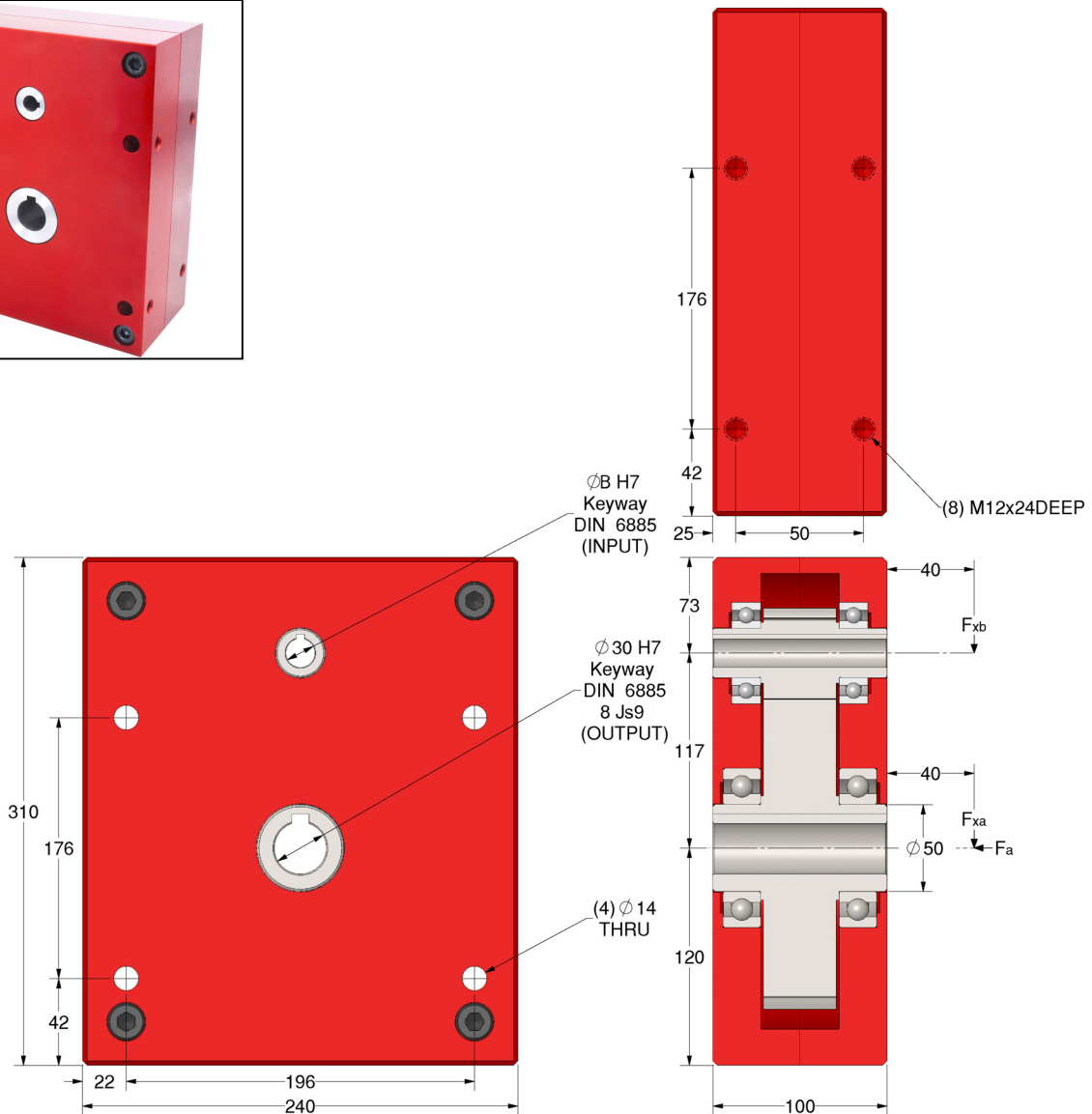
# GEARBOXES

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FFS50

## Bore Input Parallel Spur Gear Reducer

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



**Discounts:** 6+ -5% 20+ -8% 50+ -10% 100+ -12%

ØB = 16mm	Part Number ØB = 19mm	ØB = 20mm	Ratio	Efficiency at 1000 Rpm	Nm output at 1000 Rpm	Price Each 1 - 5
FFS50-2-16	FFS50-2-19	FFS50-2-20	2:1	93%	180	£838.36
FFS50-3-16	FFS50-3-19	FFS50-3-20	3:1	93%	168	£838.36
FFS50-4-16	FFS50-4-19	FFS50-4-20	4:1	93%	160	£838.36
FFS50-XH-R-B* Hardened Gears 2:1 to 4:1 multiply All figures listed by 2						£1006.74

\* 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:** 26.3kg. (approx.)

**Output Backlash:** 1°.

**Max Input Speed:** 2000 Rpm.

**Greased for life:** Shell Gadus S5 V42P 2.5.

**Maximum Overhung and Thrust Loads at 1000rpm:** Input Overhung Load ( $F_{xb}$ ) = 40kg.

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

**Input Keys:** KK5-30 £0.87, KK5-50 £1.07, KK6-50 £1.35. **Output Keys:** KK8-7-50 £1.38.

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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