

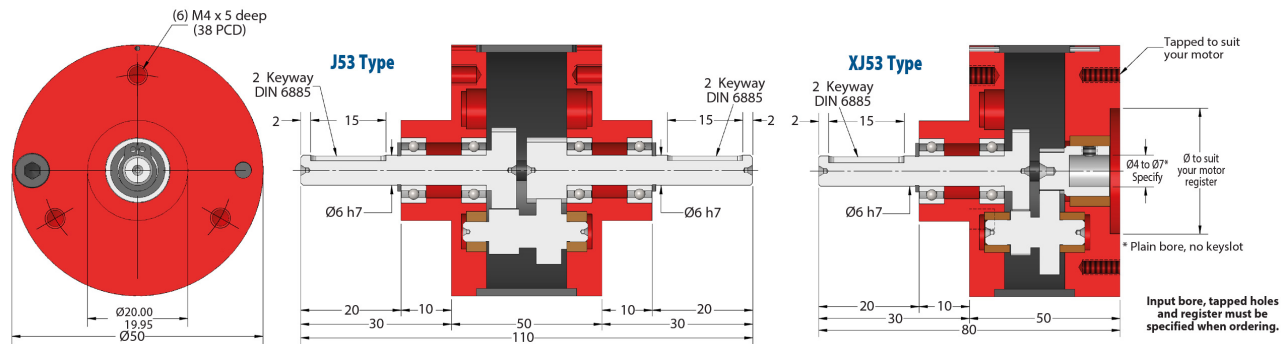
**J53
XJ53**

GEARBOXES

Inline Spur Gear Reducers

6mm Double or Single Shaft, 0.43 - 1.15 Nm **1:1 - 625:1**

**J53
XJ53**



Part Number		Ratio	Efficiency at 1000 Rpm	Nm Output at 1000 Rpm	Standard Direction
J53-140	XJ53-140	140:1	85%	0.56	Same
J53-160	XJ53-160	160:1	85%	0.57	Same
J53-200	XJ53-200	200:1	85%	0.58	Same
J53-300	XJ53-300	300:1	85%	0.63	Same
J53-400	XJ53-400	400:1	85%	0.65	Same
J53-500	XJ53-500	500:1	85%	0.67	Same
J53-625	XJ53-625	625:1	85%	0.69	Same
J53-SP	XJ53-SP	1:1 - 625:1	Special Ratios : Replace SP with required ratio		

J53 Weight: 0.17 kg.

Backlash: Depends on ratio.

Max. Input Speed: 4,000 Rpm.

Greased for Life: Shell Gadus S5 V42P 2.5.

Max. Overhung and Thrust Loads at 1000 Rpm:

Output Overhung Load (Fxa) = 5 kg. Output Thrust Load (Fa) = 5 kg.

Shaft Keys: KK2-14.

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						
	140:1	160:1	200:1	300:1	400:1	500:1	625:1
4000	0.43	0.45	0.46	0.51	0.53	0.55	0.58
2000	0.50	0.52	0.53	0.58	0.59	0.61	0.63
1000	0.56	0.57	0.58	0.63	0.65	0.67	0.69
500	0.63	0.67	0.69	0.69	0.79	0.84	0.96
200	0.76	0.79	0.79	0.79	0.91	0.99	0.15
100	0.86	0.91	0.91	0.91	1.15	1.15	1.15
50	0.95	0.95	0.95	0.95	1.15	1.15	1.15
10	1.15	1.15	1.15	1.15	1.15	1.15	1.15

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