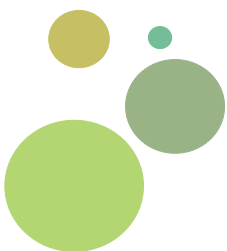




L / T Bevel Drive



Product Selection Guide



ISO : 9001 - 2008



L AND T DRIVE BEVEL GEARBOXES

Design

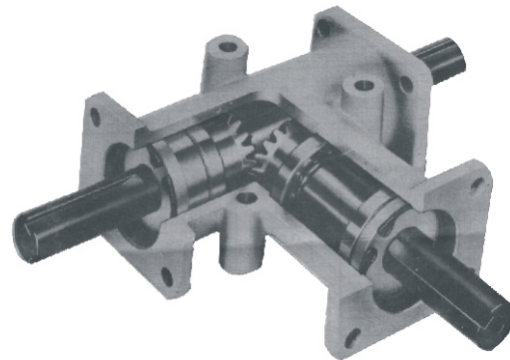
L and T drive bevel gear boxes are miniature bevel gearboxes to transmit power at 90° to split power or to decrease the speed and increase the torque.

They are light weight made from high strength cast aluminium alloy housing.

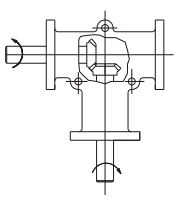
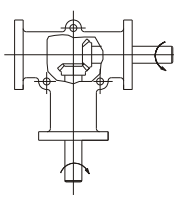
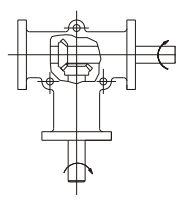
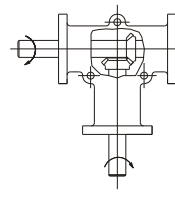
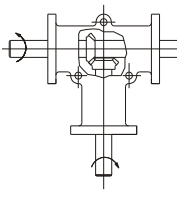
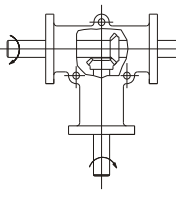
Other features are :

- Generated straight bevel gears
- Ball bearings for all shafts
- Compact design
- Totally enclosed

- Universal Mounting
- Two models L 0.25 and L 0.75
- Two ratios in each model 1:1 and 2:1



Shaft Arrangements and Directions of Rotation

					
TYPE 'A'	TYPE 'D'	TYPE 'B'	TYPE 'C'	TYPE 'E'	TYPE 'G'

Selection Procedure

In the performance table, maximum input power P (kW) to gearbox, input speed n₁ (rpm), output speed n₂ (rpm) and output torque M₂ (Nm) are given. For Calculation procedure, refer page 6 and Select

Shaft Overhung Loads

Maximum allowable axial load and overhung (radial) load on shaft for each model is given in following table

Model	Axial Load N	Overhung Load N
L 0.25	200	100
L 0.75	400	200

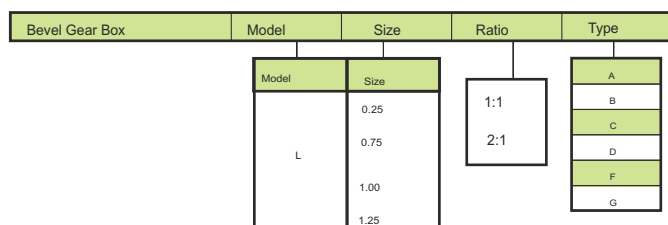
PRILIMINARY SELECTION TABLE

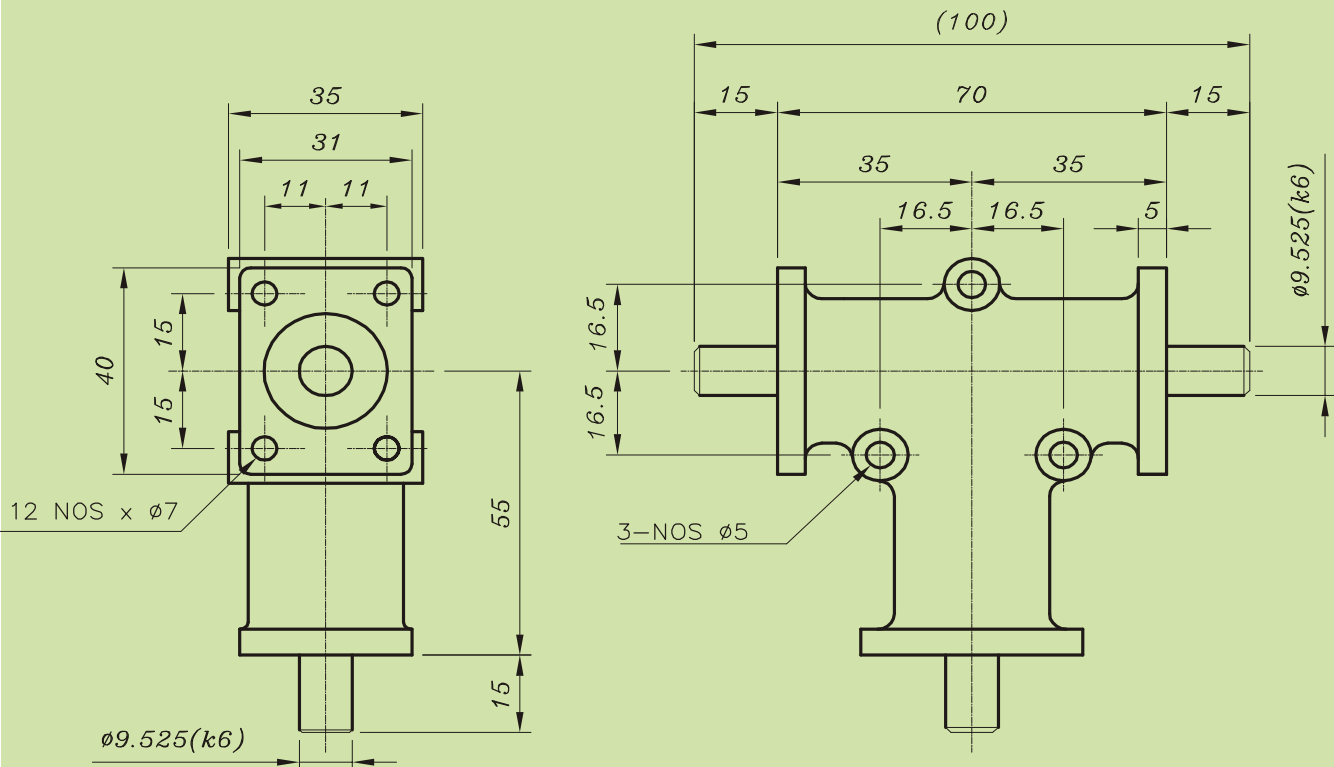
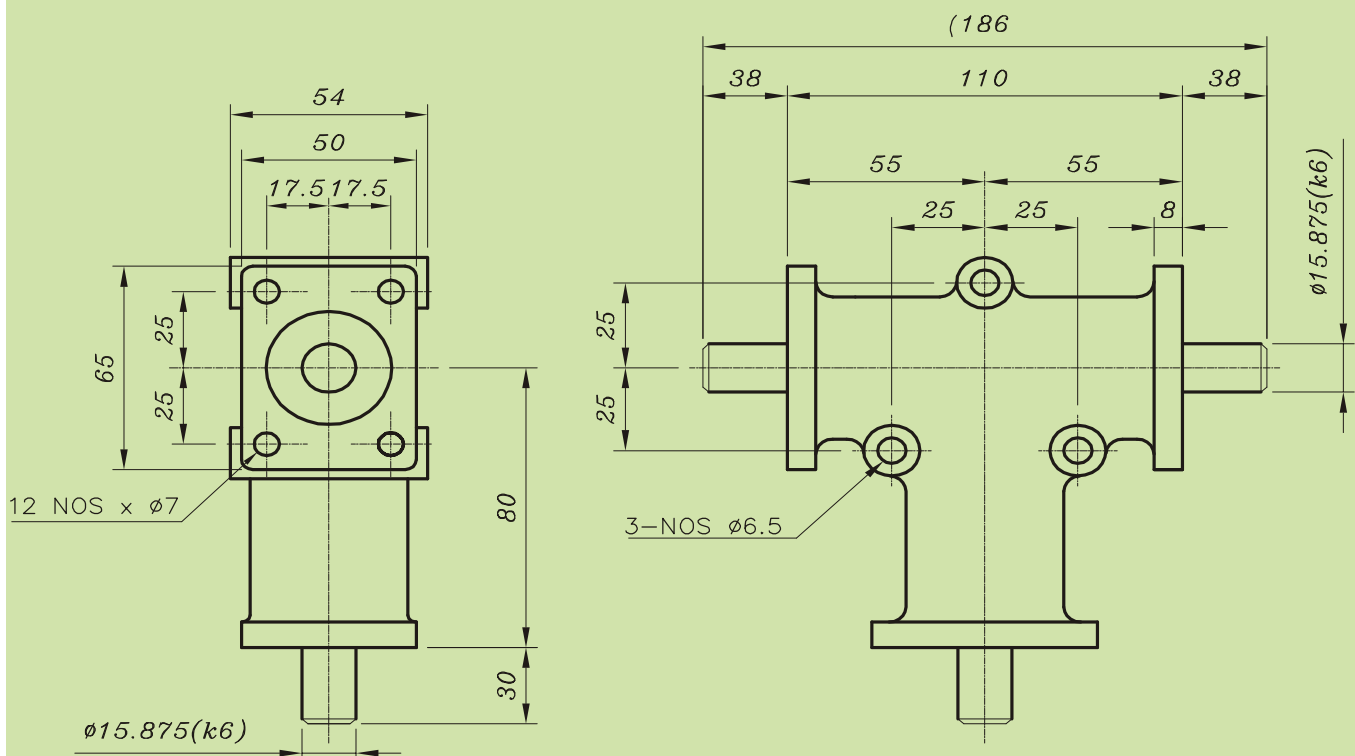
Model L 0.25 0.75,1.0 and L 1.25

Input rpm n1	Model L 0.25					Model L 0.75			
	Output rpm n2	P kw	η %	P kw	η %				
Ratio 1:1									
50	50	0.019	3.5	0.067	12.2	0.2	38.25	0.33	62.25
100	100	0.036	3.24	0.12	11.3	0.38	36	0.64	61.5
200	200	0.07	3.1	0.24	10.8	0.71	34	1.26	60
400	400	0.13	2.94	0.44	10.1	1.34	32	2.43	58
600	600	0.18	2.75	0.63	9.6	1.88	30	4.08	55
750	750	0.22	2.65	0.74	9	2.2	28	3.46	52
1000	1000	0.27	2.45	0.92	8.4	2.72	26	4.92	47
1200	1200	0.32	2.45	1.1	8.3	3.27	26	5.34	42.5
1500	1500	0.38	2.3	1.32	8	4.01	25.5	6.52	41.5
2000	2000	0.43	1.96	1.56	7.1				
3000	3000	0.61	1.86	2.2	6.6				

Input rpm n1	Model L 0.25					Model L 0.75			
	Output rpm n2	P kw	η %	P kw	η %				
Ratio 2:1									
50	25	0.01	2.5	0.02	8.2	0.08	30	0.16	60
100	50	0.01	2.35	0.04	8.2	0.15	28	0.31	59
200	100	0.02	2.1	0.08	7.2	0.28	27	0.61	58
400	200	0.04	1.86	0.14	6.5	0.54	26	1.17	56
600	300	0.06	1.76	0.2	6.1	0.79	25	1.7	54
750	375	0.07	1.7	0.23	5.7	0.94	24	2	51
1000	500	0.09	1.57	0.3	5.4	1.15	22	2.51	48
1200	600	0.1	1.47	0.34	5.2	1.32	21	2.7	43
1500	750	0.1 1	1.4	0.4	4.9	1.57	20	3.14	40
2000	1000	0.15	1.37	0.51	4.6				
3000	1500	0.2	1.18	0.68	4.1				

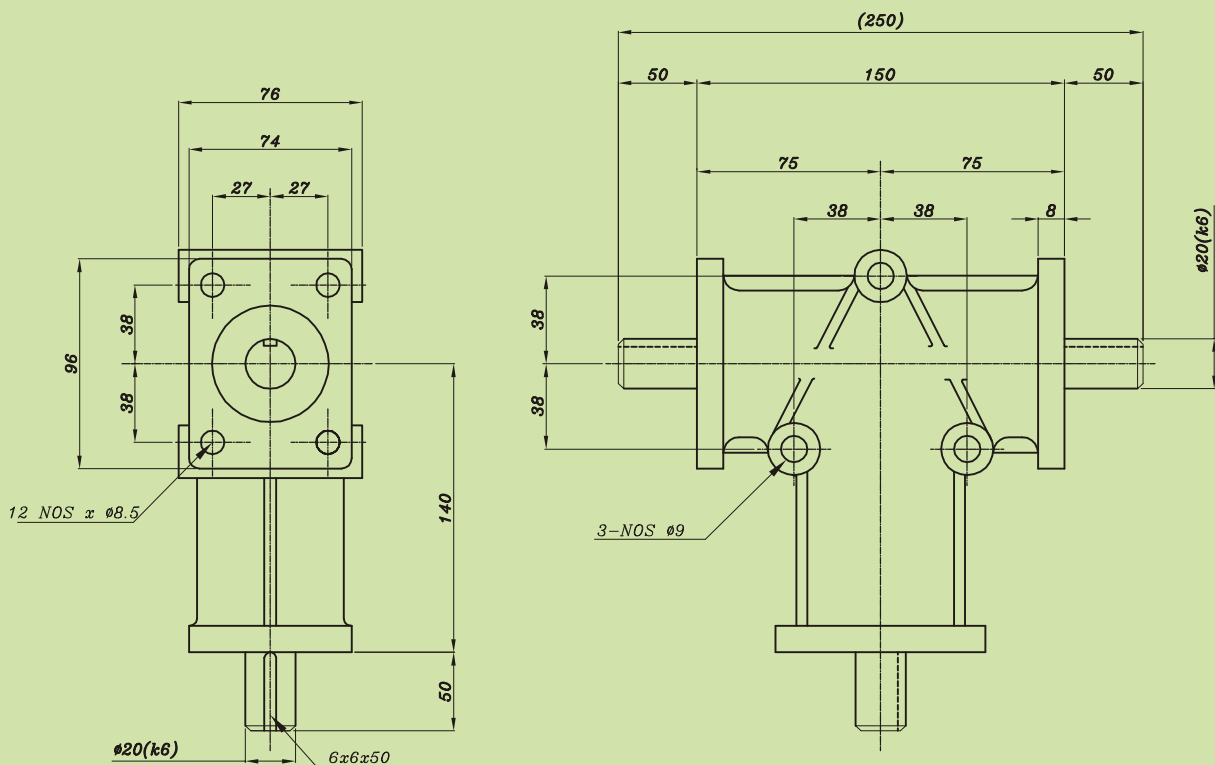
How to Order



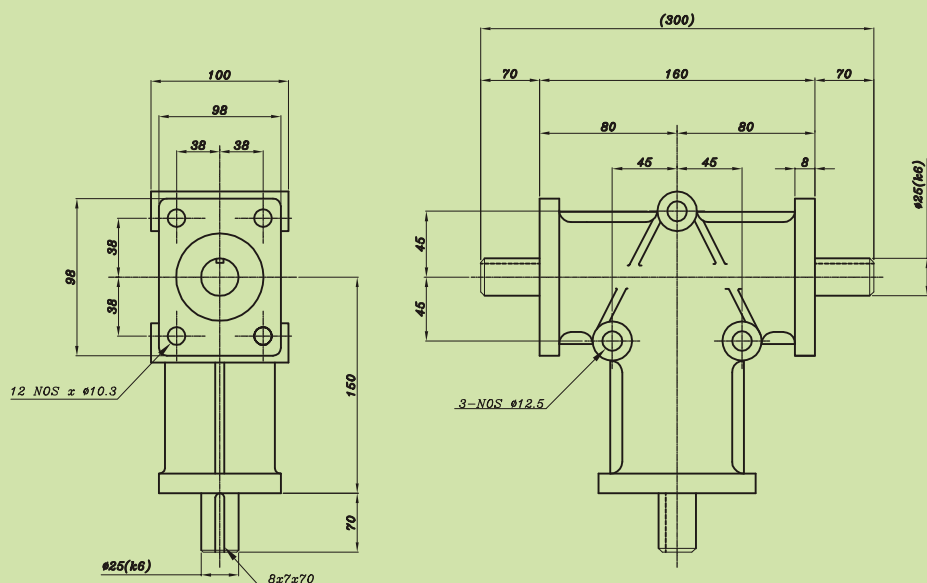
**DIMENSION SHEET****Model L 0.25 and L 0.75****Model L 0.25****Model L 0.75**

Model L 1.00 and Model L 1.25

Model L 1.00



Model L 1.25



POWER TRANSMISSION TECHNOLOGY



Phase Shifter



Universal Joint



Worm Gear Screw Jack



Universal Joint



Electric Cylinder



Bevel Gear Jack



Universal Joint



Linear Actuators



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