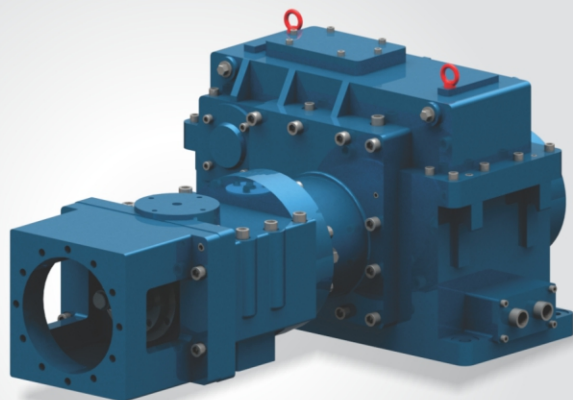




## ATS SERIES

### » Twin Screw Gearbox Counter Rotating

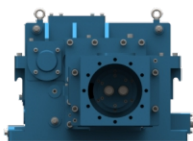


*The ATS series Counter Rotating twin screw gearbox consist of a reduction gearbox and distribution gearbox. Both gearbox modules are connected with the thrust bearing housing. The gearbox input shaft can be directly coupled to a motor or can be driven by the belt. The reduction of speed takes place in the reduction unit and required torque is created. This torque is transmitted in the distribution gearbox to the two counter-rotating output shafts. The axial forces resulting from the extrusion process are absorbed by thrust bearings inside the thrust bearing housing. The reducer is designed and sized accordingly using industry standards.*

### Technical Data Overview

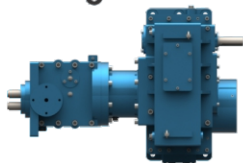
Rated Torque	From 2200 to 8400 Nm per output shaft
Transmission	$i = 20, 25$
Power	Up to 75 HP
Center Distance	44, 55, 75, 35 mm
Input Speed	1000, 1500
Type	ATS

### » Mounting Position

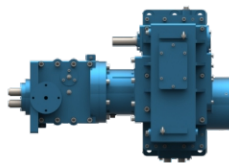


Mounting Position Left Hand

### » Design



Structural Shape 'Z'



Structural Shape 'U'

### TECHNICAL OVERVIEW

The housing of gearbox has strong structure design, which can be operating under high torque demand and is made of high quality nodular cast-iron.

The gears are design according to ISO 6335 have profile correction and optimized for highest load capacity. The gear of primary unit are case hardened and are profile ground to quality DIN 5 to ensure smoothness of running and low vibration. The high gear contact ratio ensures a low noise level in these gearboxes. The shaft and the toothed wheels of the distribution gear unit are made of high-quality special steel with excellent tensile strength.

The bearings used are cylindrical roller bearings and thrust bearings of 294.. Series along with combination of thrust bearing are used to absorb highest thrust forces from the extrusion process.

The lubrication of these gearboxes is of forced type by means of lubrication unit. All gears and bearings are fed with correct oil quantity from the distribution system of lubrication unit. The housing of primary reducer act also as oil tank. It provide with filler cap with breather, a drain plug and a level indicator. A cooling system is provided for oil cooling.

Cylinder and screw connections according to customer requirements

### On request we can also supply the following:

- Lubrication system with oil filter
- Monitoring of temperature, pressure or rate of flow Level switch
- Monitoring of the screw speed
- Torque measurement
- Load cells to measure back pressure forces



**ADVANCED  
ENTERPRISES**



## ATS SERIES

» Twin Screw Gearbox  
Counter Rotating

TECHNICAL DATA						
Size	Center Distance (mm)	Screw Diameter (mm)	Ratio	Input Speed (rpm)	Input Power (HP)	Max. Torque per shaft (Nm)
ATS-50	44	52	25	1000	15	2200
ATS-55	44	52	20	1000	20	2400
ATS-60	55	65	25	1000	30	3000
ATS-65	55	68	25	1000	40	5900
ATS-70	75.35	90	25	1000	65	8400

### ADVANCED ENTERPRISES

Industrial Gears & Gearbox Manufacturers

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