

Dynabloc

High dynamic geared servomotors
with reduced Backlash



Dynabloc solutions for intermittent duty applications

GEARBOX

Planetary or worm gearbox with reduced backlash
Output torque up to 690 N.m
Ratios from 3 to 90
Angular backlash: EXPERT 1-4', MEDIUM 4-7', BASIC 8-14'
Easy integration: inline or perpendicular mounting
Mechanical transmission: plain or hollow shaft with or without shrink disk

MOTOR Unimotor

Segmented stator with high ratio torque/inertia for applications with high dynamics
Enclosure IP 65
Encoder incremental CR, CA or absolute EM, EC, or Resolver AR, AE
Optional parking brake
Designed for optimized operation with drives Unidrive M

• Compact & high dynamical servo motor

• 3 low backlash gearbox types: Pje, Pjr, Mjd

• 3 levels of backlash: Basic, Medium, Expert

Dynabloc  Pje

Dynabloc  Pjr

Dynabloc  Mjd



Pje planetary Type

For low backlash and economical solution

Pjr planetary Type

For high performance and reduced backlash solution

Mjd dynablocType

For silent & high precision worm gearbox solution

Rated torque	26 - 310 N.m
Max acceleration torque	Up to 550 N.m
Gearbox ratio	1-stage: 5 ratios from 3 to 10 2-stage: 5 ratios from 12 to 50
Backlash	BASIC • 1-stage: 8 to 10' • 2-stage: 12 to 14'
Efficiency	1-stage: 94 % 2-stage: 92 %
Output shaft	Solid shaft with key

Rated torque	32 - 600 N.m
Max acceleration torque	Up to 1300 N.m
Gearbox ratio	1-stage: 5 ratios from 3 to 10 2-stage: 5 ratios from 12 to 50
Backlash	MEDIUM • 1-stage: 4 to 6' • 2-stage: 6 to 7' EXPERT • 1-stage: 2 to 4' • 2-stage: 4 to 5'
Efficiency	1-stage: 96 % 2-stage: 94 %
Output shaft	Solid shaft with key

Rated torque	23 - 688 N.m
Max acceleration torque	Up to 1100 N.m
Gearbox ratio	9 ratios from 5.2 to 90
Backlash	BASIC: 10' MEDIUM: 5' EXPERT: ≤ 1'
Efficiency	59% to 95% depending on ratio
Output shaft	Plain shaft with key, simple or double Keyed hollow shaft or unkeyed with shrink disk

• Short leadtime available over a wide selection !!

Applications

- Packaging, wrapping, labelling
- Printing
- Tooling machines
- Wood machines
- Textile machines
- Machine process
- Robotics
- Palletizers
- Pick & Place



Unimotor 
high dynamic

