

Thanks to the integrated planetary gearing, the DSD-IPG is ideal for high torque applications that require a high dynamic response.

The DSD has an overload capacity that is up to 40% greater than in comparable servomotors in the DS series. With these qualities, the DSD-IPG is the perfect candidate for handling, robotics and packaging applications.

In spite of the transmission ratios of $i=4$ and $i=8$, the motor fully retains its dynamic characteristics. The extremely compact DSD-IPG paves the way for optimal space utilization. Several axes can, for example, be placed side by side in a space-saving manner. Depending on the application, Sincos encoders or brakes can be combined with the gearing.

DSD 45-56-IPG - Geared Motors

The concept offers:

high output torque
high dynamic response
low moment of inertia
compact frame size
sleek, uniform housing
smooth housing surface – not easily soiled
optimized transmission stepping
high protection type IP65
optimierte Abstufung der Übersetzungen



Features of the integrated planetary gearing include:

- low circumferential backlash ($< 3'$)
- high stability
- high efficiency (98%)
- transmission ratios $i = 4$ und $i = 8$
- low noise level (< 65 dBA)
- any required mounting position
- lifetime lubrication



The DSD-IPG is available as air cooled model.

	DSD 45-IPG4	DSD 45-IPG8	DSD 56-IPG4	DSD 56-IPG8
nM [min-1]	1125	562	1125	562
M0 [Nm]	20,4	20,4	45,1	90,2
M0max [Nm]	98	108	204	245

DSD 45-56-IPG Technical Data Motor/Gear

	DSD 45-IPG4	DSD 45-IPG8	DSD 56-IPG8	DSD 56IPG8
nM [min-1]	1125	562	1125	562
M0 [Nm]	15,05	30,1	33,25	66,5
M0max [Nm]	72,3	79,7	150,3	180,7

Subject to alterations. The stated data are maximum values.

For details please have a look in the technical documentations.