

## DT 58



## Technical Data



			DT 58-DC
Travel	[deg]		no limit
Accuracy	[deg]		0.05
Repeatability	[deg]		0.003
Backlash / hysteresis	[deg]		0.02
Surface run out	[ $\mu$ m]		20
Max. speed	[deg/s]		80
Max. acceleration	[deg/s <sup>2</sup> ]		360
Max. torque	[Nm]		5
Permissible centric load	I Fz	[N]	100
Weight	[kg]		1.4

For more information please see definitions on pages 98,99.

## Specifications

**DC motor**

Nominal voltage 24 V  
Nominal current 1.2 A

**Rotary encoder -R**

Pulses per rotation 500  
Output signal rectangular signal RS422  
Stage resolution 0.001 deg

**Incremental angular encoder -W**

Number of lines 3 600  
Stage resolution 0.0005 deg

**Gear drive**

worm gear system 180 : 1, preloaded

**Reference switch**

contactless Hall-sensor

**Bearing**

preloaded four-point bearing

**Material**

low distortion aluminum alloy, black anodized

