

# T5ED100 FAG Y0 0.63 100x160x42mm Tapered roller bearings

Bearing number	T5ED100
Size (mm)	100x160x42
Brand	FAG
Bore Diameter (mm)	100
Outer Diameter (mm)	160
Width (mm)	42
d	100 mm
D	160 mm
T	42 mm
a	42 mm
B	40 mm
C	34 mm
$C_{a \min}$	6 mm
$C_{b \min}$	8 mm
$D_{a \max}$	146 mm
$D_{a \min}$	135 mm
$D_{b \min}$	154 mm
$d_1$	133.8 mm
$d_{a \max}$	110 mm
$d_{b \min}$	117 mm
$r_{1, 2 \min}$	5 mm
$r_{3, 4 \min}$	3 mm

$r_{a \max}$	5 mm
$r_{b \max}$	3 mm
$m$	3.25 kg / Weight
$C_r$	231000 N
$C_{0r}$	395000 N / Static load rating (radial)
$e$	0.53
$Y$	1.14
$Y_0$	0.63
$C_{ur}$	47000 N / Fatigue limit load. radial
$n_G$	4100 1/min / Limiting speed
$n_B$	2600 1/min / Reference speed