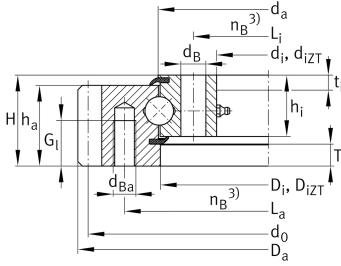


## VSA200544-N [↗](#)

Slewing ring, four Point contact bearings, external gear

Slewing ring, four Point contact bearings,  
external gear

### Teknik bilgiler



### Main Dimensions & Performance Data

$d_i$	472 mm	Bore Diameter
	0,5 mm	Bore diameter upper tolerance
	0 mm	Bore diameter lower tolerance
H	56 mm	Height
$D_a$	640,3 mm	Outside Diameter
$h_a$	44,5 mm	Width outer ring
$h_i$	44,5 mm	height of inner ring
$\approx m$	43,215 kg	Ağırlık



### Dimensions

$D_i$	545,5 mm	Inner diameter outer ring
	0,5 mm	Inner diameter outer ring upper tolerance
	0 mm	Inner diameter outer ring lower tolerance
$d_a$	542,5 mm	Outside diameter inner ring
	0 mm	Outside diameter inner ring upper tolerance
	-0,5 mm	Outside diameter inner ring lower tolerance
$n_i$	32	Number of fixing holes in inner ring
$L_i$	498 mm	Pitchcircle diameter fixing holes inner ring
$d_B$	14 mm	Fixing bore
$n_a$	28	Number of fixing holes in outer ring
$L_a$	585 mm	Pitchcircle diameter fixing holes outer ring
$d_{Ba}$	M12	Tread fixing bore
$G_l$	20 mm	Thread depth fixing hole
$F_{r\text{zul}}$	115.600 N	Max. radial load fixing screws (friction locking)
$d_0$	630 mm	Pitch circle diameter gearing
$m$	6 mm	Modul of gearing
$z$	105	Number of teeth
	-0,142 mm	Profile shift
$F_{z\text{norm}}$	21.300 N	Max. tooth force root fatigue strenght (at a shock factor of 1,2)
$F_{z\text{max}}$	31.500 N	Max. tooth force against tooth fracture (at a shock factor of 1,35)

### Temperature range

$T_{\text{min}}$	-25 °C	Operating temperature min.
$T_{\text{max}}$	80 °C	Operating temperature max.

### Calculation factors

$C_a$	152.000 N	Basic dynamic load rating, axial
$C_{0a}$	870.000 N	Basic static load rating, axial
$C_r$	138.000 N	Basic dynamic load rating, radial
$C_{0r}$	400.000 N	Basic static load rating, radial