

## Bearing operating parameters

### Temperature

<b>L</b>	= Low	<50 °C	(120 °F)
<b>M</b>	= Medium	50 to 100 °C	(120 to 230 °F)
<b>H</b>	= High	>100 °C	(210 °F)
<b>EH</b>	= Extremely high	>150 °C	(300 °F)

### Load

<b>VH</b>	= Very high	$C/P < 2$
<b>H</b>	= High	$C/P \sim 4$
<b>M</b>	= Medium	$C/P \sim 8$
<b>L</b>	= Low	$C/P \geq 15$

$C/P$  = Load ratio

$C$  = basic dynamic load rating, kN

$P$  = equivalent dynamic bearing load, kN

### Speed

#### for ball bearings

<b>EH</b>	= Extremely high	$n d_m$ over 700 000
<b>VH</b>	= Very high	$n d_m$ up to 700 000
<b>H</b>	= High	$n d_m$ up to 500 000
<b>M</b>	= Medium	$n d_m$ up to 300 000
<b>L</b>	= Low	$n d_m$ below 100 000

#### for roller bearings

### Speed

#### SRB/TRB/CARB

#### CRB

<b>H</b>	= High	$n d_m$ over 210 000	$n d_m$ over 270 000
<b>M</b>	= Medium	$n d_m$ up to 210 000	$n d_m$ up to 270 000
<b>L</b>	= Low	$n d_m$ up to 75 000	$n d_m$ up to 75 000
<b>VL</b>	= Very low	$n d_m$ below 30 000	$n d_m$ below 30 000

$n d_m$  = rotational speed, r/min x 0,5 (D+d), mm