Carichi ammessi all'albero

MAX LOAD AT SHAFT-END

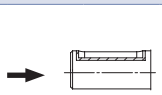
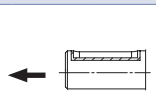
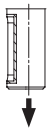
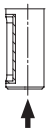
I carichi massimi ammissibili all'estremità d'albero dipendono, oltre che dalla grandezza del motore e dal numero di giri dello stesso.
La tabella sottostante riporta i massimi carichi radiali e assiali ammessi [N], verificati per una durata di funzionamento dei cuscinetti, in motore funzionante a 50Hz e correttamente installato e manutenuto:

- 20000 ore per motori a 2 poli
- 40000 ore per motori a 4-6-8-10-12 poli

The maximum allowed axial loads, depend from the motor size and rpm.

The table below shows the maximum applicable axial and radial loads for a motor correctly installed and mantained [N], running at 50 Hz that is verified for a bearing running life of:

- *20000 hours for 2-pole motors*
- *40000 hours for 4-6-8-10-12 and more pole motors*

GRANDEZZA Size	MOTORI AD ASSE ORIZZONTALE Horizontally								MOTORI AD ASSE VERTICALE Vertically							
																
	Velocità / Speed [1/min]								Velocità / Speed [1/min]							
	750	1000	1500	3000	750	1000	1500	3000	750	1000	1500	3000	750	1000	1500	3000
56	230	200	160	120	230	200	160	120	220	160	120	100	230	170	130	110
63	320	300	250	200	320	300	250	200	300	290	240	190	320	310	260	210
71	380	360	300	240	380	360	300	240	365	345	285	230	395	375	315	250
80	480	430	370	300	480	430	370	300	450	400	340	280	510	460	400	320
90	650	600	510	400	650	600	510	400	600	550	470	360	700	650	550	440
100	850	750	580	500	850	750	580	500	770	670	500	430	930	830	660	570
112	1300	1250	950	700	1000	900	750	600	1200	1150	850	620	1100	1000	850	680
132	1800	1700	1350	800	1300	1100	900	700	1600	1500	1150	650	1500	1300	1100	850
160	2800	2500	2100	1700	1400	1200	1000	800	2500	2300	2000	1500	1600	1500	1300	1000

Carico radiale con pulegge | *Radial Load with pulleys*

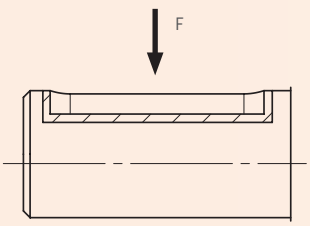
MEC Size	CARICO RADIALE [N] Radial load [N]		
	Velocità / Speed [1/min]		
	≤ 1000	1500	3000
56	360	310	260
63	390	360	330
71	440	400	360
80	840	740	640
90	1000	860	720
100	1350	1200	1050
112	1400	1250	1100
132	2200	1950	1700
160	3000	2700	2400

F = Carico Radiale [N]
P = Potenza [KW]
n = giri al minuto
D = diametro puleggia [m]

K = 2 puleggia piana
= 2,25 Puleggia 1 gola
= 2,25...3 Servizi gravosi

F = Radial Load [N]
P = Power [KW]
n = rpm
D = pulley diameter [m]

K = 2 Flat pulley
= 2,25 pulley 1 groove
= 2,25...3 Heavy duty



F = (19.100 x P x K) / (n x D) [N]