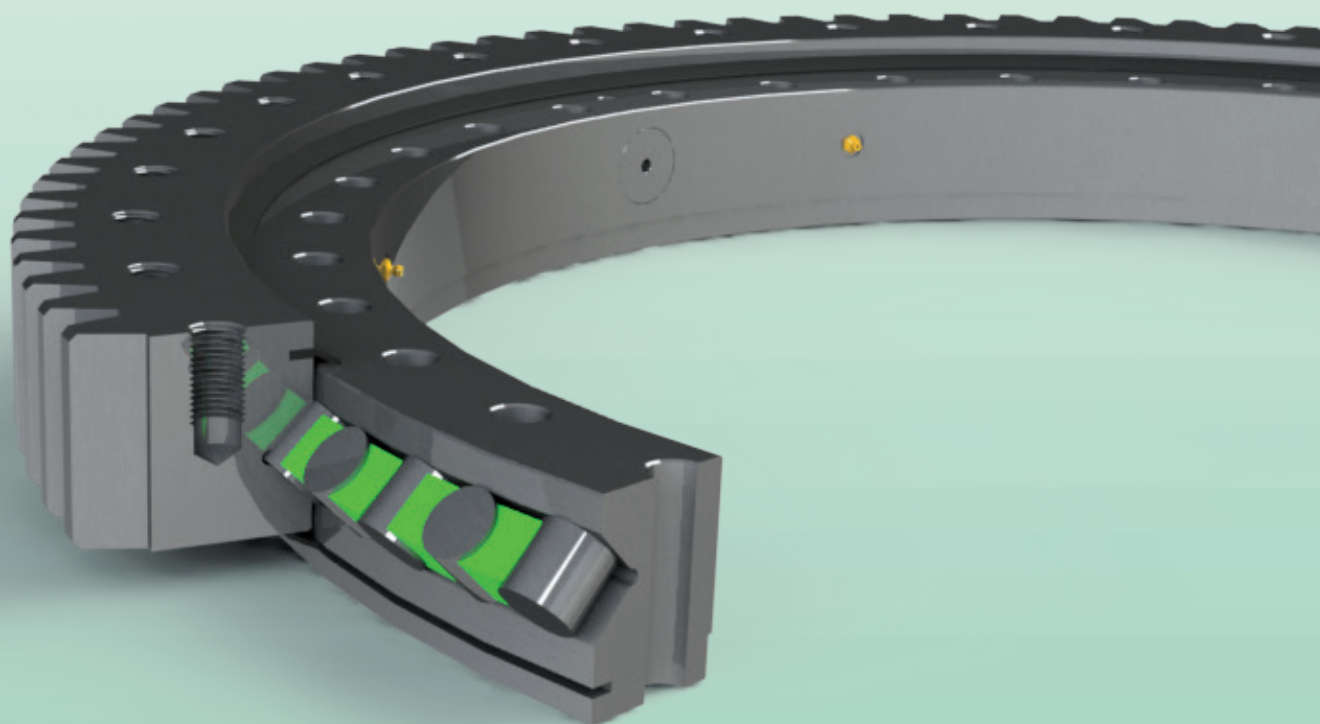




**Cuscinetti di base ad un giro di rulli incrociati, dentatura esterna**

*One row crossed roller bearing, external toothed*

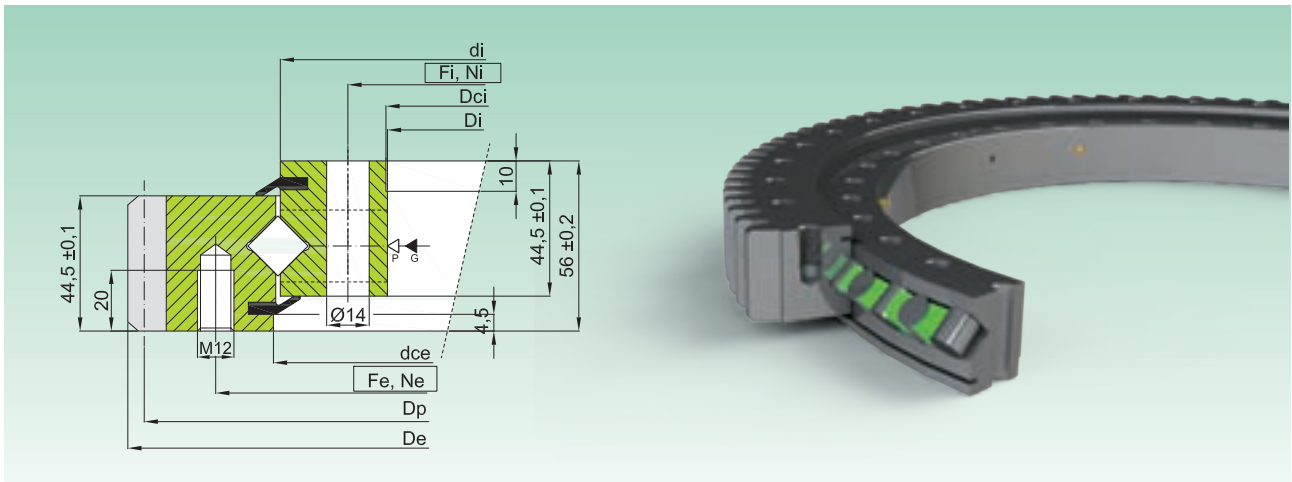


**ER1** SERIES

# ER1.14 S

## SERIE STANDARD

### STANDARD SERIES



Codice Code	Curva Curve	Dimensioni Dimensions				Fori di fissaggio Fixing Holes				Dentatura Gear data					Peso Weight [kg]	
		De [mm]	dce +IT7 [mm]	di [mm]	Dci +IT7 [mm]	Di [mm]	Fe [mm]	Ne [-]	Fi [mm]	Ni	m [mm]	Z [-]	Dp [mm]	fz norm [kN]		fz max [kN]
ER1.14.0414.200-1STPN	1	503,3	417	413-0,5	344	342	455	20	368	24	5	99	495	15,13	30,26	32
ER1.14.0544.200-1STPN	2	640,3	547	543-0,5	474	472	585	28	498	32	6	105	630	18,16	36,31	43
ER1.14.0644.200-1STPN	3	742,3	647	643-0,6	574	572	685	32	598	36	6	122	732	18,16	36,31	52
ER1.14.0744.200-1STPN	4	838,1	747	743-0,6	674	672	785	36	698	40	6	138	828	18,16	36,31	58
ER1.14.0844.200-1STPN	5	950,1	847	843-0,6	774	772	885	36	798	40	8	117	936	24,21	48,42	71
ER1.14.0944.200-1STPN	6	1046,1	947	943-0,7	874	872	985	40	898	44	8	129	1032	24,21	48,42	77
ER1.14.1094.200-1STPN	7	1198,1	1097	1093-0,7	1024	1022	1135	44	1048	48	8	148	1184	24,21	48,42	90

- Materiale: C45 Q+T

- Costruite con gioco stretto

- Pieni di grasso, protetti da olio, e avvolti in resistente film plastico

▷ P=tappo inserimento sfere / filling plug

▶ G=ingrassatori M8X1 / greasers M8X1

- Material C45 Q+T

- Assembled with reduced clearances

- Full of grease, protected by oil and wrapped in resistant plastic film

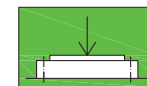
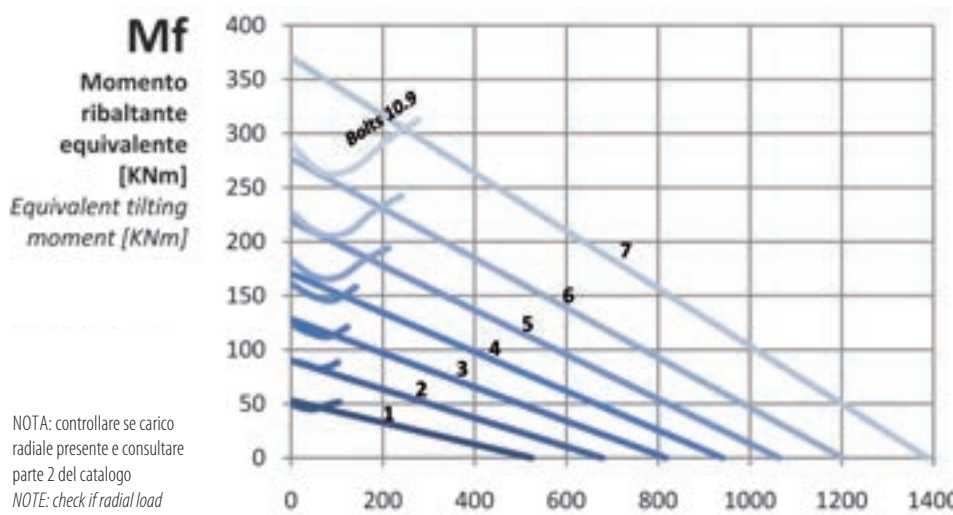
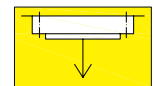


Diagramma di carico statico valido per sforzi compressivi

Static load charts valid for compressive loads



Carico sospeso: occorre verifica specifica della bulloneria

Suspended load: specific bolts calculation required

**Fa**

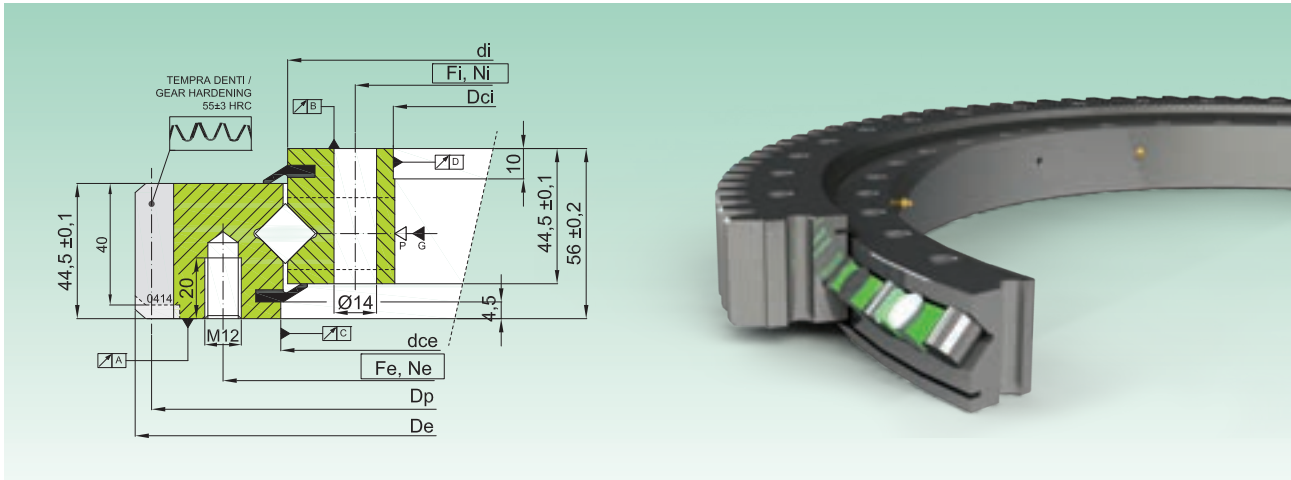
Carico assiale equivalente [KN]  
Equivalent axial load [KN]

NOTA: controllare se carico radiale presente e consultare parte 2 del catalogo  
NOTE: check if radial load applied and consult part 2 of the catalogue

# ER1.14 PR

## SERIE PRECARICATA DI PRECISIONE

PRELOADED PRECISION SERIES



Codice Code	Curva Curve	Dimensioni Dimensions				Fori di fissaggio Fixing Holes				Dentatura Gear data				Precarico Preload	Peso Weight	
		De [mm]	dce +IT7 [mm]	di [mm]	Dci +IT7 [mm]	Fe [mm]	Ne [-]	Fi [mm]	Ni [-]	m [mm]	Z [-]	Dp [mm]	fz norm [kN]			fz max [kN]
ER1.14.0414.201-3RTPN	1	503,3	417	413-0,5	344	455	20	368	24	5	99	495	15,9	23,6	-0,01 ÷ -0,03	32
ER1.14.0544.201-3RTPN	2	640,3	547	543-0,5	474	585	28	498	32	6	105	630	21,3	31,5	-0,01 ÷ -0,03	44
ER1.14.0644.201-3RTPN	3	742,3	647	643-0,6	574	685	32	598	36	6	122	732	21,3	31,5	-0,01 ÷ -0,04	52
ER1.14.0744.201-3RTPN	4	838,1	747	743-0,6	674	785	36	698	40	6	138	828	21,3	31,5	-0,01 ÷ -0,04	59
ER1.14.0844.201-3RTPN	5	950,1	847	843-0,6	774	885	36	798	40	8	117	936	28,3	42	-0,01 ÷ -0,04	71
ER1.14.0944.201-3RTPN	6	1046,1	947	943-0,7	874	985	40	898	44	8	129	1032	28,3	42	-0,01 ÷ -0,05	77
ER1.14.1094.201-3RTPN	7	1198,1	1097	1093-0,7	1024	1135	44	1048	48	8	148	1184	28,3	42	-0,01 ÷ -0,06	91

- Materiale: C45Q+T  
 - Costruite con leggero precarico e dentatura temprata 55HRC  
 - Pieni di grasso, protetti da olio, e avvolti in resistente film plastico  
 ▷ Ptacco inserimento sfere / filling plug    ▶ G= n.4 ingrassatori M8X1 / n.4 greasers M8X1

- Material C45 Q+T  
 - Assembled with slight preload and gear hardened 55HRC  
 - Full of grease, protected by oil and wrapped in resistant plastic film

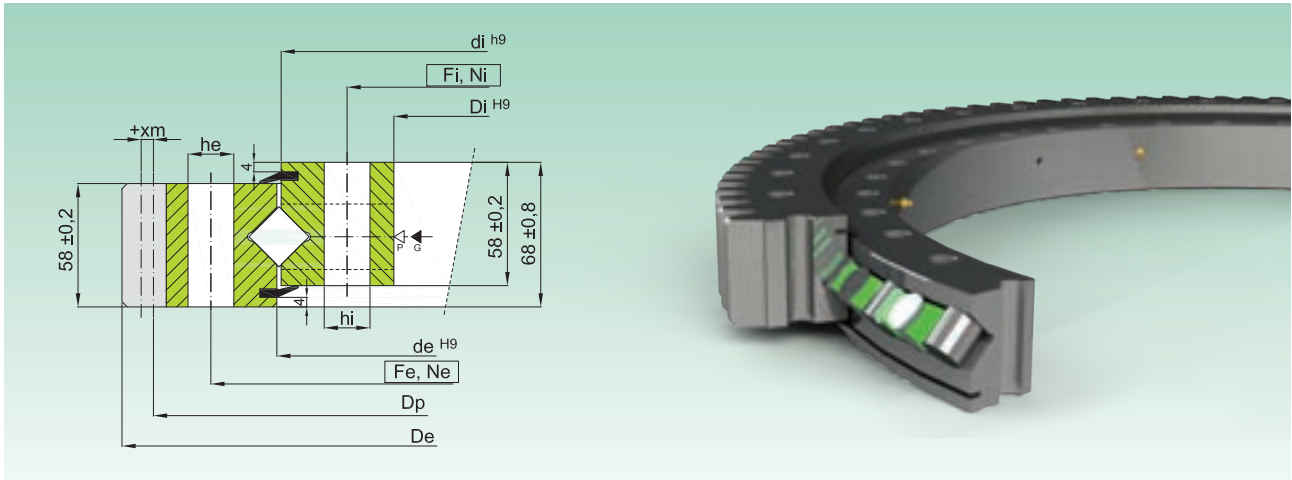
n.	Valori di oscillazione Run-out values			
	A [mm]	B [mm]	C [mm]	D [mm]
1	0,04	0,04	0,06	0,06
2	0,04	0,04	0,07	0,06
3	0,05	0,05	0,08	0,07
4	0,05	0,05	0,08	0,08
5	0,05	0,05	0,09	0,08
6	0,06	0,06	0,09	0,09
7	0,07	0,07	0,11	0,11

STESSO DIAGRAMMA DI CARICO SERIE ER1.14 S  
 SAME LOAD CHART OF ER1.14 S SERIES

# ER1.20 S

## SERIE STANDARD

### STANDARD SERIES



Codice Code	Curva Curve	Dimensioni Dimensions				Fori di fissaggio Fixing Holes						Dentatura Gear data					Peso Weight [kg]	
		De [mm]	de [mm]	di [mm]	Di [mm]	Fe [mm]	Ne [-]	he [mm]	Fi [mm]	Ni [-]	hi [mm]	m [mm]	Z [-]	xm [mm]	Dp [mm]	fz norm [kN]		fz max [kN]
ER1.20.1204.400-2SPPN	1	1338	1206	1202	1119	1257	45	16	1151	45	16	10	131	+5,0	1310	46,4	92,8	154
ER1.20.1314.400-2SPPN	2	1448	1316	1312	1229	1367	50	16	1261	50	16	10	142	+5,0	1420	46,4	92,8	168
ER1.20.1424.400-2SPPN	3	1558	1426	1422	1339	1477	54	16	1371	54	16	10	153	+5,0	1530	46,4	92,8	182
ER1.20.1534.400-2SPPN	4	1668	1536	1532	1449	1587	60	16	1481	60	16	10	164	+5,0	1640	46,4	92,8	195
ER1.20.1644.400-2SPPN	5	1791	1646	1642	1536	1708	54	22	1580	54	22	10	176	+6,5	1760	46,4	92,8	242
ER1.20.1754.400-2SPPN	6	1901	1756	1752	1646	1818	60	22	1690	60	22	10	187	+6,5	1870	46,4	92,8	258
ER1.20.1904.400-2SPPN	7	2073,4	1906	1902	1796	1968	64	22	1840	64	22	14	145	+6,5	2030	65,0	130,0	306

- Materiale: 42CrMo4 Q+T

- Gioco assiale e radiale riportati sul disegno tecnico

- Pieni di grasso, protetti da olio, e avvolti in resistente film plastico

▷ P=tappo inserimento sfere / filling plug

▶ G=4 ingrassatori M10X1 / 4 greasers M10X1

- Material 42CrMo4 Q+T

- Axial/radial clearances are on the technical drawing

- Full of grease, protected by oil and wrapped in resistant plastic film

**Mf**  
Momento ribaltante equivalente [KNm]  
Equivalent tilting moment [KNm]

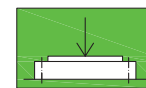
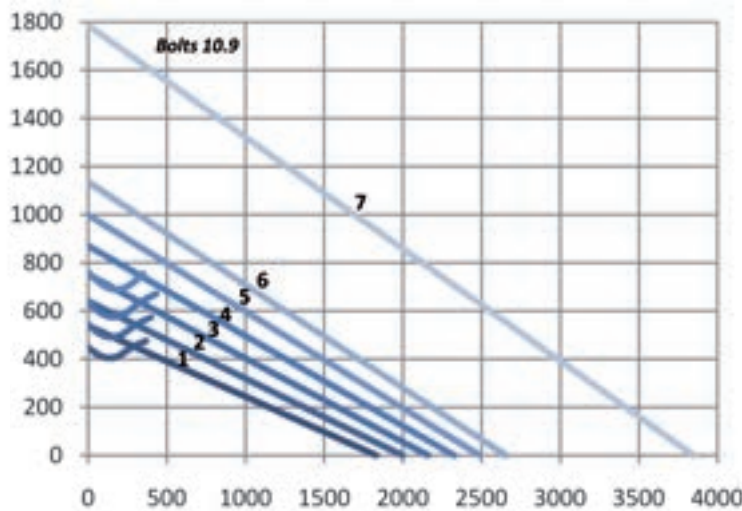
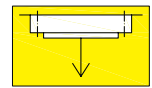


Diagramma di carico statico valido per sforzi compressivi

Static load charts valid for compressive loads



Carico sospeso: occorre verifica specifica della bulloneria

Suspended load: specific bolts calculation required

**Fa**

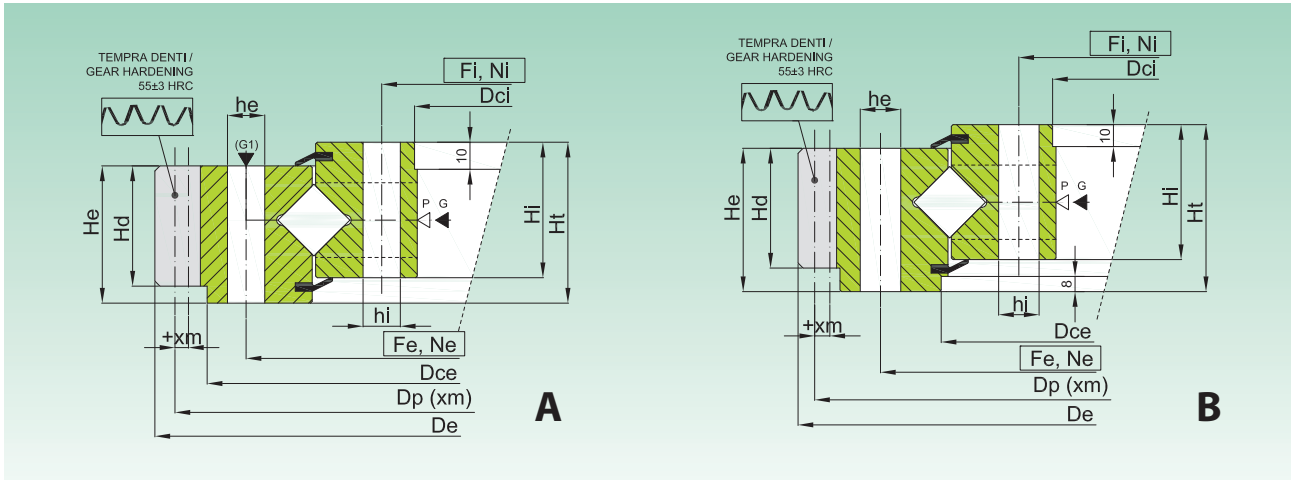
Carico assiale equivalente [KN]  
Equivalent axial load [KN]

NOTA: controllare se carico radiale presente e consultare parte 2 del catalogo  
NOTE: check if radial load applied and consult part 2 of the catalogue

# ER1.20/25

## SERIE STANDARD

### STANDARD SERIES



Codice Code	Curve	Shape	Dimensioni Dimensions						Fori di fissaggio Fixing Holes						Dentatura Gear data				Peso Weight [kg]		
			De [mm]	Dce [mm]	Dci [mm]	He [mm]	Hi [mm]	Ht [mm]	Hd [mm]	Fe [mm]	Ne [-]	he [mm]	Fi [mm]	Ni [-]	hi [-]	m [mm]	Z [-]	xm [mm]		Dp (xm) [mm]	fz norm [kN]
ER1.20.0307.400-2RPPN	1	B	403,5	312 +0,09	235 +0,09	47	45	55	42	358	24	13	259	28-1	13	4,5	88	-	396	15,1	24
ER1.25.0400.400-2RPPN	2	A	535	495 -0,10	306 +0,09	63	63	75	55	466	18	20	336	18	20	8	65	-	520	35,2	61
ER1.25.0475.400-2RPPN	3	A	589	565 -0,11	384 +0,09	63	63	75	55	540	18	20	410	18	20	5	116	-	580	22,0	63
ER1.30.0508.400-2RPPN	4	A	654	610 -0,13	392 +0,09	73	73	85	60	582	30	22	432	30-1	22	8	80	-	640	38,4	97
ER1.25.0574.400-2RPPN	5	A	700	670 -0,15	480 +0,10	64	64	77	60	640	36	18	508	36-1	18	6	114	+3	690	34,8	82
ER1.25.0675.400-2RPPN	6	B	816	682 +0,13	574 +0,11	73	70	90	65	753	18	22	604	18	22	6	132	+6,552	805,1	37,7	124
ER1.25.0734.400-2RPPN	7	B	886	740 +0,14	615 +0,13	75	70	85	75	810	30	22	658	30	22	8	108	+4	872	58,0	155
ER1.25.0823.400-2RPPN	8	B	979	845 +0,14	718 +0,14	79	82	100	65	893	36	22	753	36-1	22	10	94	+11	962	62,8	178
ER1.25.0980.400-2RPPN	9	B	1144	993 +0,14	870 +0,14	79	84	100	67	1050	36	22	910	36	22	10	111	+8	1126	64,7	228

- Materiale: 42CrMo4 Q+T

- Costruite con gioco centesimale e denti temprati 55 HRC

- Pieni di grasso, protetti da olio, e avvolti in resistente film plastico

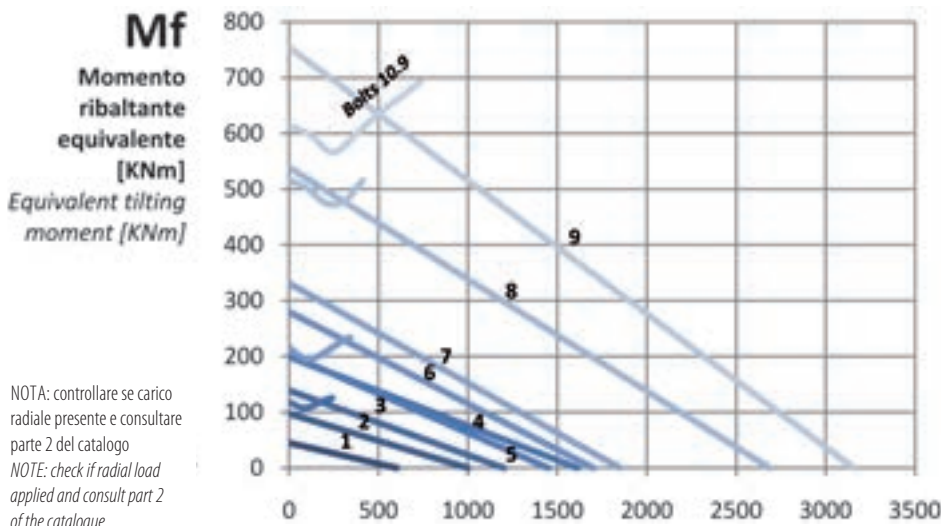
▷ P=tappo inserimento sfere / filling plug

▷ G= ingrassatori / greasers

- Material 42CrMo4 Q+T

- Assembled with precision clearance and gear hardened 55 HRC

- Full of grease, protected by oil and wrapped in resistant plastic film



NOTA: controllare se carico radiale presente e consultare parte 2 del catalogo  
NOTE: check if radial load applied and consult part 2 of the catalogue

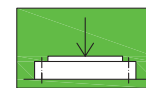
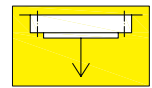


Diagramma di carico statico valido per sforzi compressivi

Static load charts valid for compressive loads



Carico sospeso: occorre verifica specifica della bulloneria

Suspended load: specific bolts calculation required

**Fa**

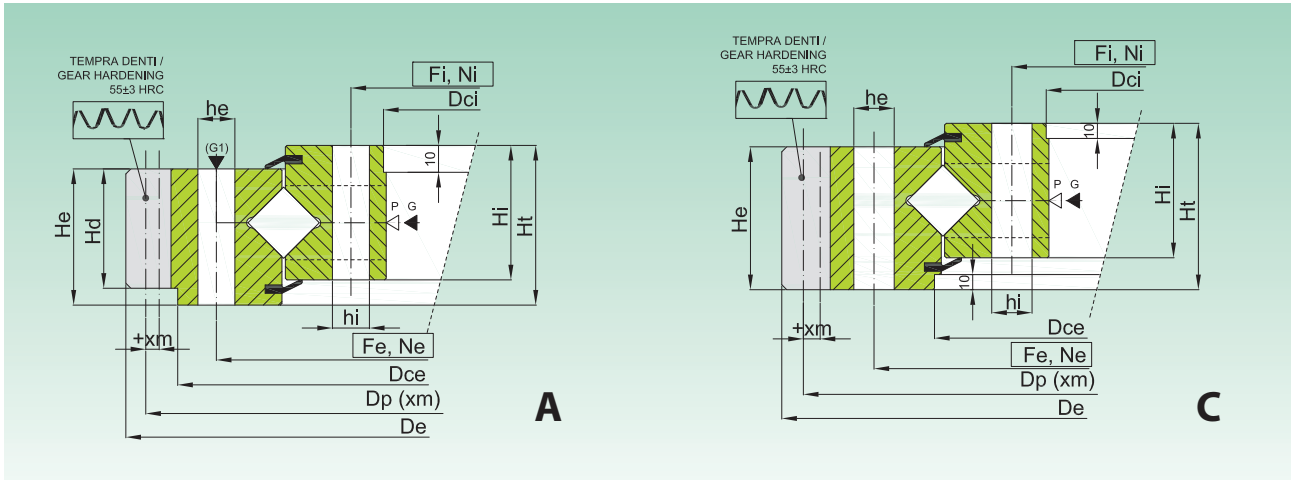
Carico assiale equivalente [KN]  
Equivalent axial load [KN]



# ER1.30/50

## SERIE STANDARD

### STANDARD SERIES



Codice Code	Curve	Shape	Dimensioni Dimensions						Fori di fissaggio Fixing Holes					Dentatura Gear data					Peso Weight [kg]		
			De [mm]	Dce [mm]	Dci [mm]	He [mm]	Hi [mm]	Ht [mm]	Hd [mm]	Fe [mm]	Ne [-]	he [mm]	Fi [mm]	Ni [-]	hl [-]	m [mm]	Z [-]	xm [mm]		Dp (xm) [mm]	fz norm [kN]
ER1.30.1116.400-2RPPN	1	A	1289,5	1240 -0,17	985 +0,14	90	94	114	78	1198	40	22	1035	40	22	10	125	+10,5	1271	75,4	335
ER1.36.1250.400-2RPPN	2	A	1476	1415 -0,20	1080 +0,14	91	100	110	79	1350	40	26	1150	40	26	10	144	+8,6	1457,2	75,4	505
ER1.45.1390.400-2RPPN	3	A	1604	1551 -0,20	1205 +0,17	112	116	130	90	1500	48	30	1280	48	30	10	157	+7,5	1585	87,0	620
ER1.45.1595.400-2RPPN	4	C	1836	1608 +0,20	1437 +0,20	120	115	135	-	1700	45	30	1485	45	30	16	112	+8	1808	185,5	791
ER1.45.1790.400-2RPPN	5	C	2027	1808 +0,25	1617 +0,20	130	128	150	-	1905	48	30	1675	48	30	14	142	+7	2002	175,8	1004
ER1.50.2002.400-2RPPN	6	C	2267	2013 +0,30	1822 +0,25	129	119	140	-	2124	72	30	1880	72	30	16	139	+8	2240	199,4	1174
ER1.50.2242.400-2RPPN	7	C	2534	2260 +0,20	2049 +0,30	132	122	144	-	2373	60	33	2112	60	33	18	138	+9	2502	229,6	1482
ER1.50.2500.400-2RPPN	8	C	2790	2508 +0,30	2297 +0,30	148	142	164	-	2640	72	33	2360	72	33	18	151	+19,8	2757,6	257,4	1895
ER1.50.2810.400-2RPPN	9	C	3116	2818 +0,35	2607 +0,35	148	142	164	-	2950	80	33	2670	80	33	20	152	+20	3080	286,0	2200

- Materiale: 42CrMo4 Q+T

- Costruite con gioco centesimale e denti temprati 55 HRC

- Pieni di grasso, protetti da olio, e avvolti in resistente film plastico

▷ P=tappo inserimento sfere / filling plug

▷ G=ingrassatori M8X1 / greasers M8X1

- Material 42CrMo4 Q+T

- Assembled with precision clearance and gear hardened 55 HRC

- Full of grease, protected by oil and wrapped in resistant plastic film

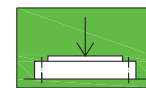
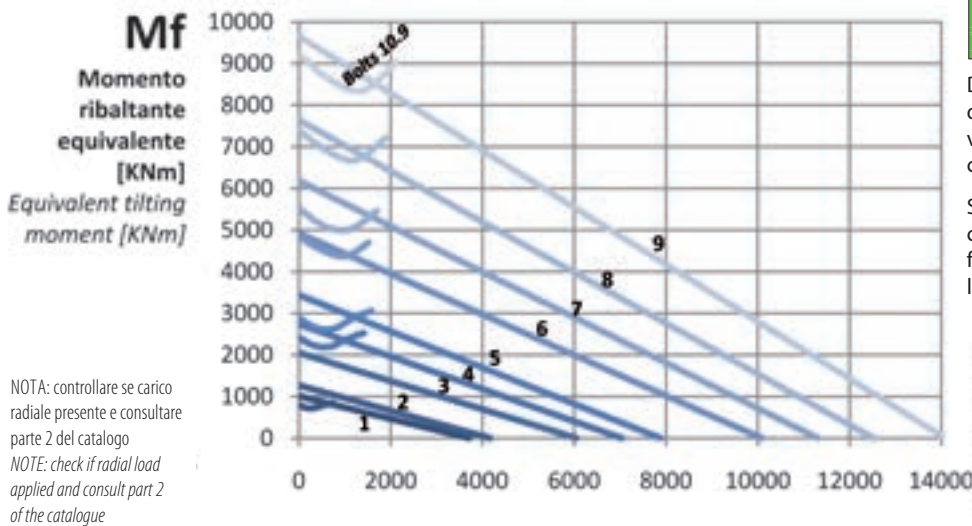
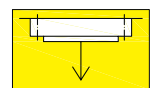


Diagramma di carico statico valido per sforzi compressivi

Static load charts valid for compressive loads



Carico sospeso: occorre verifica specifica della bulloneria

Suspended load: specific bolts calculation required