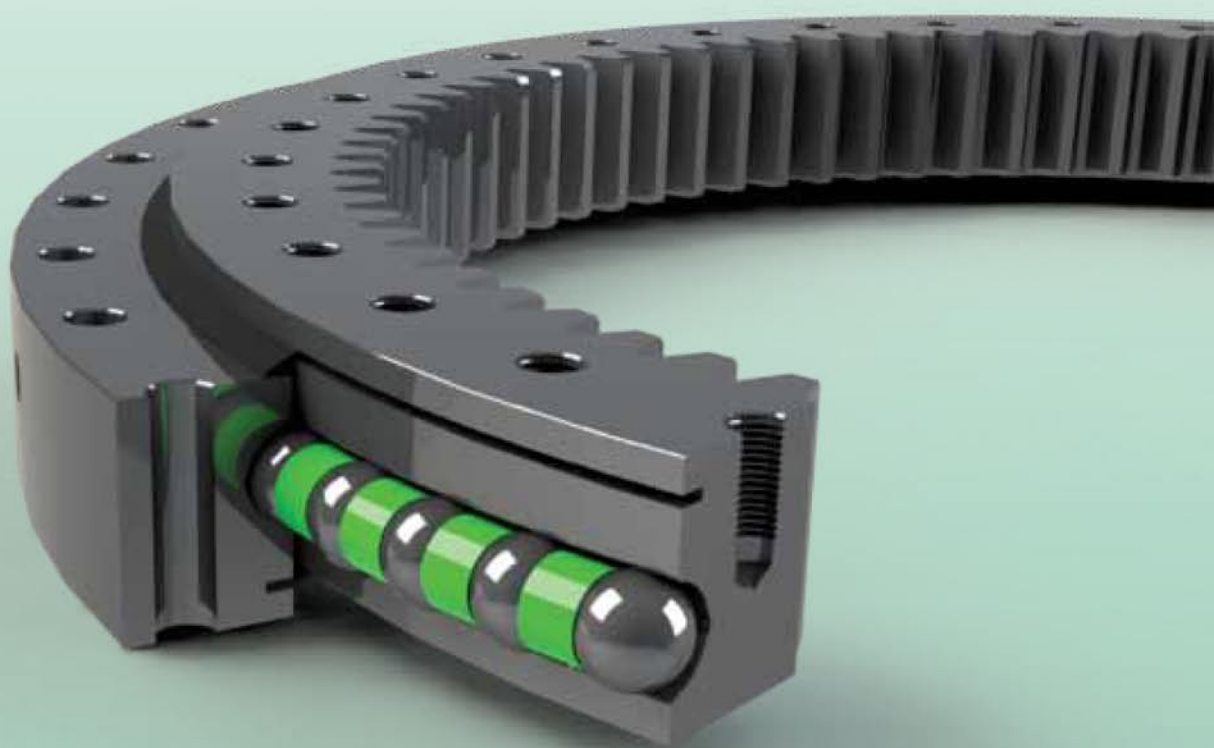


Roulements d'orientation à une rangée de billes, denture intérieure

One row ball bearing, internal toothed

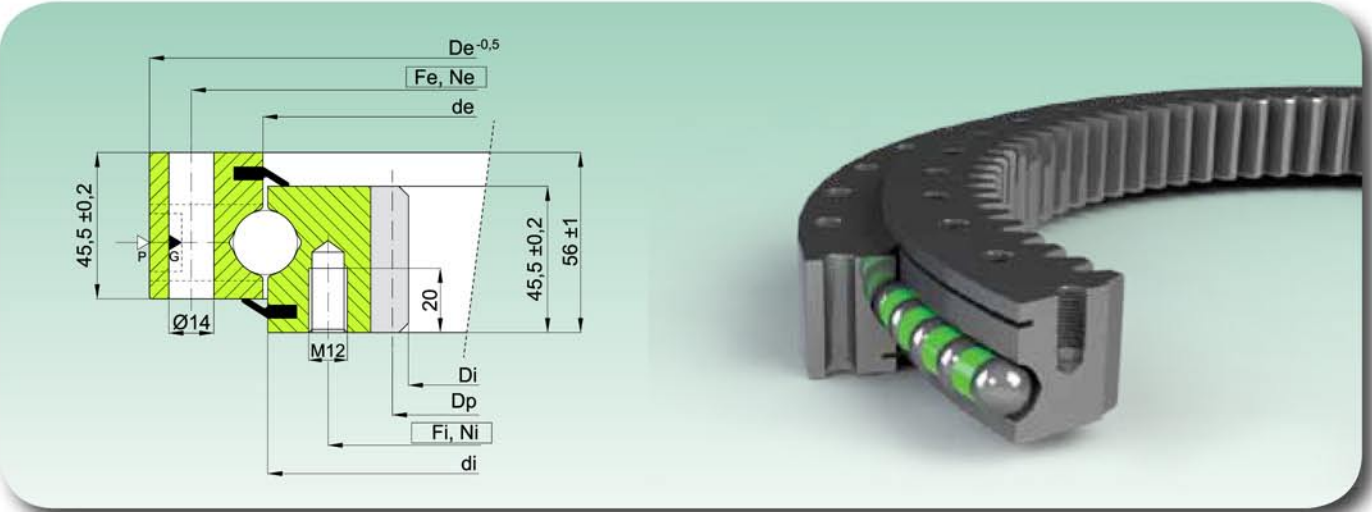


ZB1 SERIES

ZB1.20 S

SÉRIE STANDARD

STANDARD SERIES



Code Code	Courbe Curve	Dimensions Dimensions				Trous de fixation Fixing Holes				Denture Gear data					Poids Weight
		De	de	di	Di	Fe	Ne	Fi	Ni	m	Z	Dp	fz norm	fz max	
		[mm]	[mm]	[mm]	[mm]	[mm]	[-]	[mm]	[-]	[mm]	[-]	[mm]	[kN]	[kN]	
ZB1.20.0314.200-1SPTN	1	386	315,5	312,5	225	360	24	275	24	5	47	235	15,58	31,17	22
ZB1.20.0414.200-1SPTN	2	486	415,5	412,5	325	460	24	375	24	5	67	335	15,58	31,17	31
ZB1.20.0544.200-1SPTN	3	616	545,5	542,5	444	590	32	505	32	6	76	456	18,7	37,4	43
ZB1.20.0644.200-1SPTN	4	716	645,5	642,5	546	690	36	605	36	6	93	558	18,7	37,4	50
ZB1.20.0744.200-1SPTN	5	816	745,5	742,5	648	790	40	705	40	6	110	660	18,7	37,4	57
ZB1.20.0844.200-1SPTN	6	916	845,5	842,5	736	890	40	805	40	8	94	752	24,93	49,87	69
ZB1.20.0944.200-1SPTN	7	1016	945,5	942,5	840	990	44	905	44	8	107	856	24,93	49,87	75
ZB1.20.1094.200-1SPTN	8	1166	1095,5	1092,5	984	1140	48	1055	48	8	125	1000	24,93	49,87	91

- Matériau: C45Q+T
- Jeu axial max. 0,35 mm - Jeu radial max. 0,25 mm
- Pleins de graisse, protégés par huile et enveloppés dans un film plastique résistant

- Material C45 Q+T
- Axial clearance max. 0,35 mm - Radial clearance max. 0,25 mm
- Full of grease, protected by oil and wrapped in resistant plastic film

▷ P=bouchon introduction billes / filling plug ► G= n.4 graisseurs M8X1 / n.4 greasers M8X1

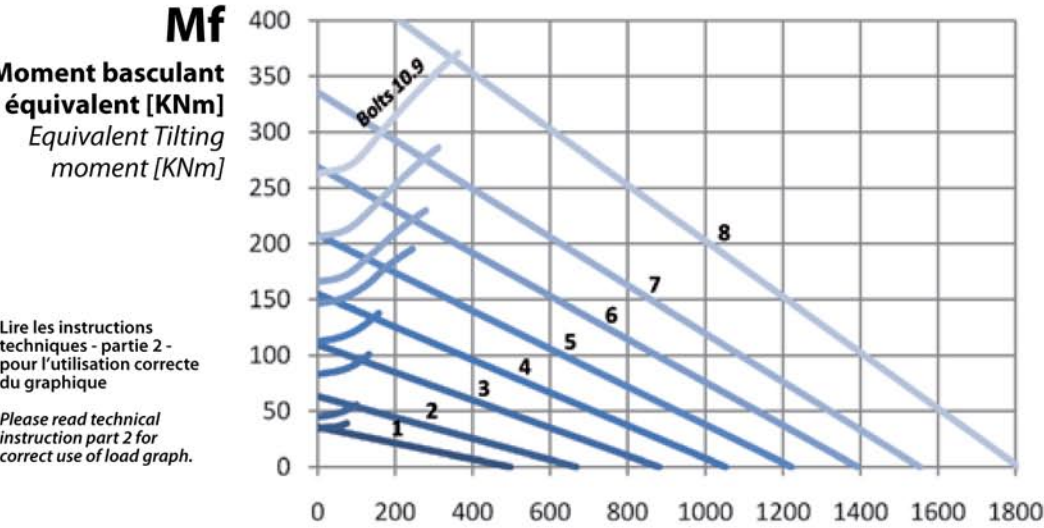


DIAGRAMME DE CHARGE STATIQUE POUR CONTRAINTES DE COMPRESSION

STATIC LOAD CHARTS VALID FOR COMPRESSIVE LOADS

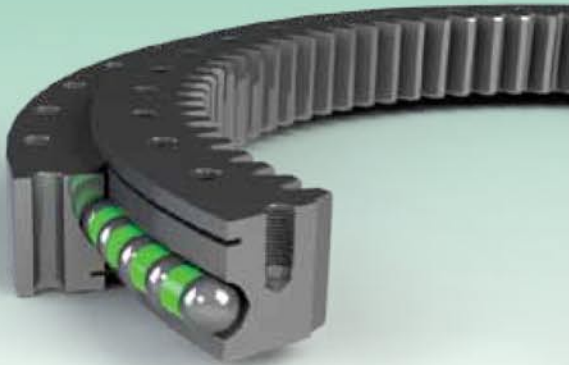
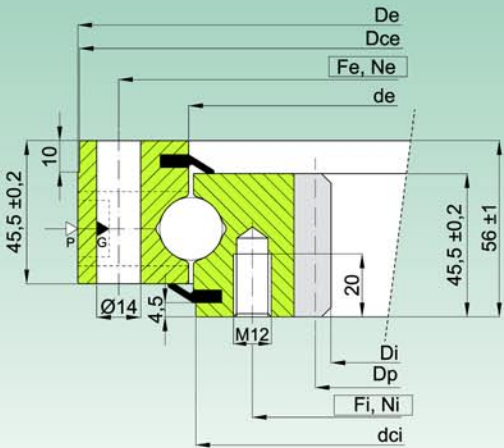
Fa

Charge axiale équivalente [KN]
Equivalent axial load [KN]

ZB1.20 P

SÉRIE DE PRÉCISION

PRECISION SERIES



Code Code	Courbe Curve	Dimensions Dimensions					Trous de fixation Fixing Holes				Denture Gear data					Jeu axial et radial Axial and Radial Clearance	Poids Weight
		De [mm]	Dce [mm]	de [mm]	dci [mm]	Di [mm]	Fe [mm]	Ne [-]	Fi [mm]	Ni [-]	m [mm]	Z [-]	Dp [mm]	fz norm [kN]	fz max [kN]		
ZB1.20.0314.201-2SPTN	1	386	384,5 -0,09	315,5	311 -0,07	225	360	24	275	24	5	47	235	15,58	31,17	0 ÷ 0,03	22
ZB1.20.0414.201-2SPTN	2	486	484,5 -0,10	415,5	411 -0,09	325	460	24	375	24	5	67	335	15,58	31,17	0 ÷ 0,03	31
ZB1.20.0544.201-2SPTN	3	616	614,5 -0,11	545,5	541 -0,10	444	590	32	505	32	6	76	456	18,7	37,4	0 ÷ 0,03	43
ZB1.20.0644.201-2SPTN	4	716	714,5 -0,13	645,5	641 -0,11	546	690	36	605	36	6	93	558	18,7	37,4	0 ÷ 0,04	50
ZB1.20.0744.201-2SPTN	5	816	814,5 -0,14	745,5	741 -0,13	648	790	40	705	40	6	110	660	18,7	37,4	0 ÷ 0,04	57
ZB1.20.0844.201-2SPTN	6	916	914,5 -0,14	845,5	841 -0,13	736	890	40	805	40	8	94	752	24,93	49,87	0 ÷ 0,05	69
ZB1.20.0944.201-2SPTN	7	1016	1014,5 -0,17	945,5	941 -0,14	840	990	44	905	44	8	107	856	24,93	49,87	0 ÷ 0,05	75
ZB1.20.1094.201-2SPTN	8	1166	1164,5 -0,17	1095,5	1091 -0,17	984	1140	48	1055	48	8	125	1000	24,93	49,87	0 ÷ 0,06	91

- Matériau: C45Q+T

- Material C45 Q+T

- Pleins de graisse, protégés par huile et enveloppés dans un film plastique résistant - Full of grease, protected by oil and wrapped in resistant plastic film

▷ P=bouchon introduction billes / filling plug ▶ G= n.4 graisseurs M8X1 / n.4 greasers M8X1

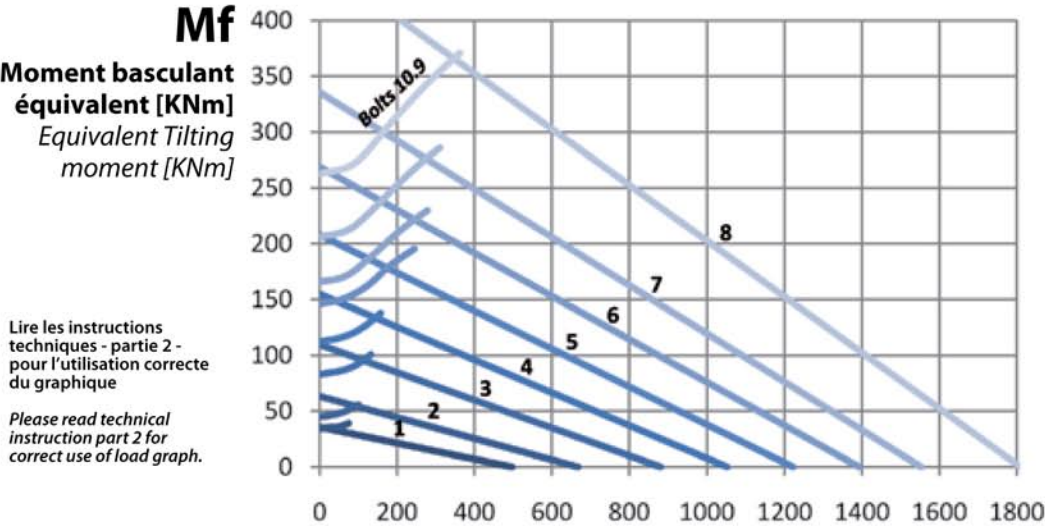


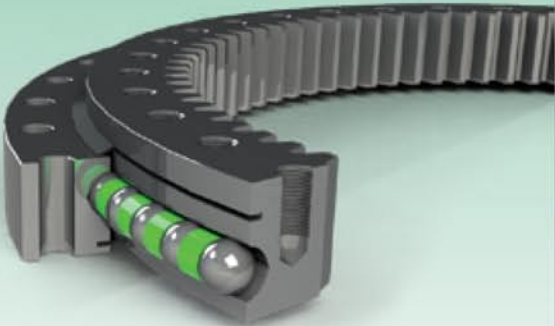
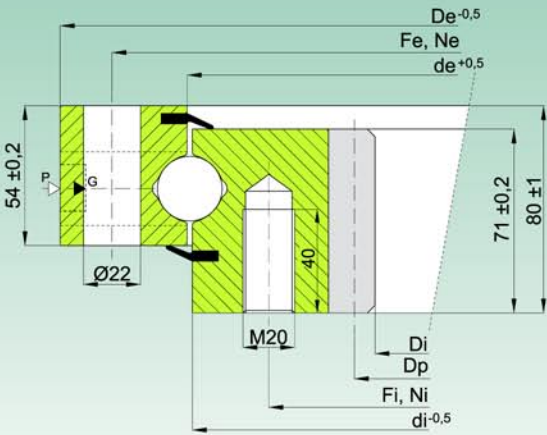
DIAGRAMME
DE CHARGE
STATIQUE POUR
CONTRAINTES DE
COMPRESSION

STATIC LOAD
CHARTS VALID
FOR COMPRESSIVE
LOADS

Fa
Charge axiale
équivalente [kN]
Equivalent axial load [kN]

ZB1.25 S

SÉRIE STANDARD
STANDARD SERIES



Code Code	Courbe Curve	Dimensions Dimensions				Trous de fixation Fixing Holes				Denture Gear data					Poids Weight
		De [mm]	de [mm]	di [mm]	Di [mm]	Fe [mm]	Ne [-]	Fi [mm]	Ni [-]	m [mm]	Z [-]	Dp [mm]	fz norm [kN]	fz max [kN]	
ZB1.25.0455.200-1SPTN	1	555	454	456	304	515	18	394	18	8	40	320	40,23	80,47	64
ZB1.25.0555.200-1SPTN	2	655	554	556	416	615	20	494	20	8	54	432	40,23	80,47	76
ZB1.25.0655.200-1SPTN	3	755	654	656	512	715	24	594	24	8	66	528	40,23	80,47	102
ZB1.25.0755.200-1SPTN	4	855	754	756	610	815	24	694	24	10	63	630	50,29	100,58	119
ZB1.25.0855.200-1SPTN	5	955	854	856	710	915	28	794	28	10	73	730	50,29	100,58	137
ZB1.25.0955.200-1SPTN	6	1055	954	956	810	1015	30	894	30	10	83	830	50,29	100,58	149
ZB1.25.1055.200-1SPTN	7	1155	1054	1056	910	1115	30	994	30	10	93	930	50,29	100,58	165
ZB1.25.1155.200-1SPTN	8	1255	1154	1156	1010	1215	36	1094	36	10	103	1030	50,29	100,58	180
ZB1.25.1255.200-1SPTN	9	1355	1254	1256	1110	1315	42	1194	42	10	113	1130	50,29	100,58	195
ZB1.25.1355.200-1SPTN	10	1455	1354	1356	1210	1415	42	1294	42	10	123	1230	50,29	100,58	212
ZB1.25.1455.200-1SPTN	11	1555	1454	1456	1310	1515	48	1394	48	10	133	1330	50,29	100,58	227

- Matériau: C45Q+T

- Jeu axial max. 0,40 mm - Jeu radial max. 0,30 mm

- Pleins de graisse, protégés par huile et enveloppés dans un film plastique résistant

▷ P=bouchon introduction billes / filling plug
- Material C45 Q+T

- Axial clearance max. 0,40 mm - Radial clearance max. 0,30 mm

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

► G= n.4/6 graisseurs M10X1 / n.4/6greasers M10X1

Mf

Moment basculant
équivalent [KNm]
Equivalent Tilting
moment [KNm]

Lire les instructions
techniques - partie 2 -
pour l'utilisation correcte
du graphique

Please read technical
instruction part 2 for
correct use of load graph.

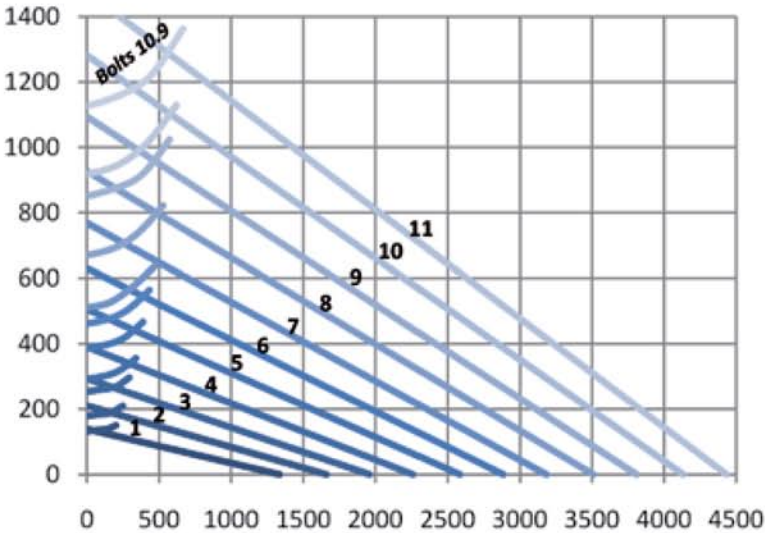


DIAGRAMME
DE CHARGE
STATIQUE POUR
CONTRAINTES DE
COMPRESSION

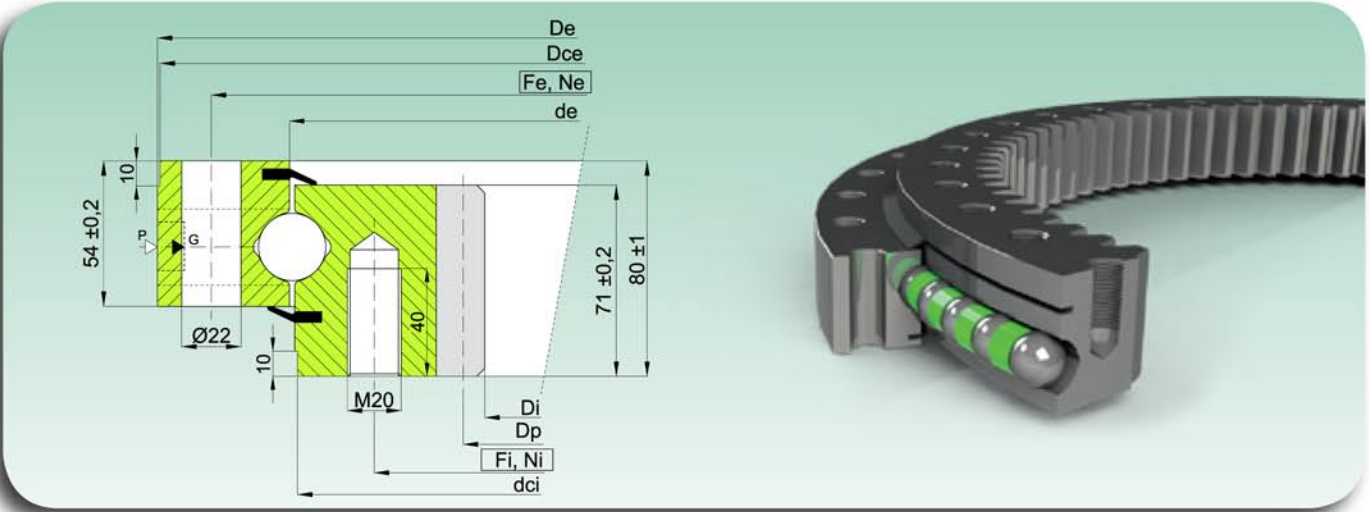
STATIC LOAD
CHARTS VALID
FOR COMPRESSIVE
LOADS

Fa

Charge axiale
équivalente [KN]
Equivalent axial load [KN]

ZB1.25 P

SÉRIE DE PRÉCISION
PRECISION SERIES



		Dimensions Dimensions					Trous de fixation Fixing Holes				Denture Gear data					Jeu axial et radial Axial and Radial Clearance	Poids Weight
Code Code	Courbe Curve	De	Dce	de	dci	Di	Fe	Ne	Fi	Ni	m	Z	Dp	fz norm	fz max		
		[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[-]	[mm]	[-]	[mm]	[-]	[mm]	[kN]	[kN]	[mm]	[kg]
ZB1.25.0455.201-2SPTN	1	555	553 -0,11	454	455 -0,10	304	515	18	394	18	8	40	320	40,23	80,47	0 ÷ 0,03	64
ZB1.25.0555.201-2SPTN	2	655	653 -0,13	554	555 -0,11	416	615	20	494	20	8	54	432	40,23	80,47	0 ÷ 0,03	76
ZB1.25.0655.201-2SPTN	3	755	753 -0,14	654	655 -0,13	512	715	24	594	24	8	66	528	40,23	80,47	0 ÷ 0,03	102
ZB1.25.0755.201-2SPTN	4	855	853 -0,14	754	755 -0,14	610	815	24	694	24	10	63	630	50,29	100,58	0 ÷ 0,04	119
ZB1.25.0855.201-2SPTN	5	955	953 -0,14	854	855 -0,14	710	915	28	794	28	10	73	730	50,29	100,58	0 ÷ 0,04	137
ZB1.25.0955.201-2SPTN	6	1055	1053 -0,14	954	955 -0,14	810	1015	30	894	30	10	83	830	50,29	100,58	0 ÷ 0,05	149
ZB1.25.1055.201-2SPTN	7	1155	1153 -0,17	1054	1055 -0,14	910	1115	30	994	30	10	93	930	50,29	100,58	0 ÷ 0,05	165
ZB1.25.1155.201-2SPTN	8	1255	1253 -0,17	1154	1155 -0,17	1010	1215	36	1094	36	10	103	1030	50,29	100,58	0 ÷ 0,06	180
ZB1.25.1255.201-2SPTN	9	1355	1353 -0,17	1254	1255 -0,17	1110	1315	42	1194	42	10	113	1130	50,29	100,58	0 ÷ 0,07	195
ZB1.25.1355.201-2SPTN	10	1455	1453 -0,20	1354	1355 -0,17	1210	1415	42	1294	42	10	123	1230	50,29	100,58	0 ÷ 0,07	212
ZB1.25.1455.201-2SPTN	11	1555	1553 -0,20	1454	1455 -0,17	1310	1515	48	1394	48	10	133	1330	50,29	100,58	0 ÷ 0,07	227

- Matériau: C45Q+T - Material C45 Q+T
- Pleins de graisse, protégés par huile et enveloppés dans un film plastique résistant - Full of grease, protected by oil and wrapped in resistant plastic film
▷ P=bouchon introduction billes / filling plug ▶ G= n.4/6 graisseurs M10X1 / n.4/6greasers M10X1

Mf
Moment basculant
équivalent [KNm]
Equivalent Tilting
moment [KNm]

Lire les instructions
techniques - partie 2 -
pour l'utilisation correcte
du graphique
Please read technical
instruction part 2 for
correct use of load graph.

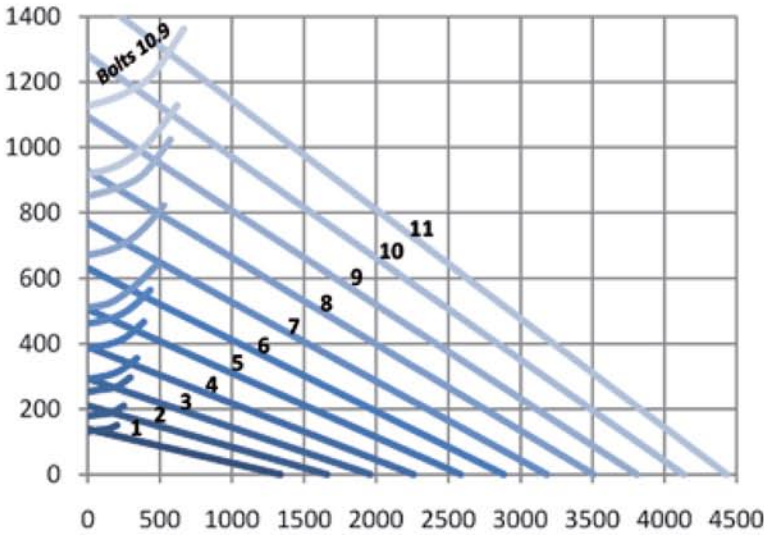


DIAGRAMME
DE CHARGE
STATIQUE POUR
CONTRAINTES DE
COMPRESSION

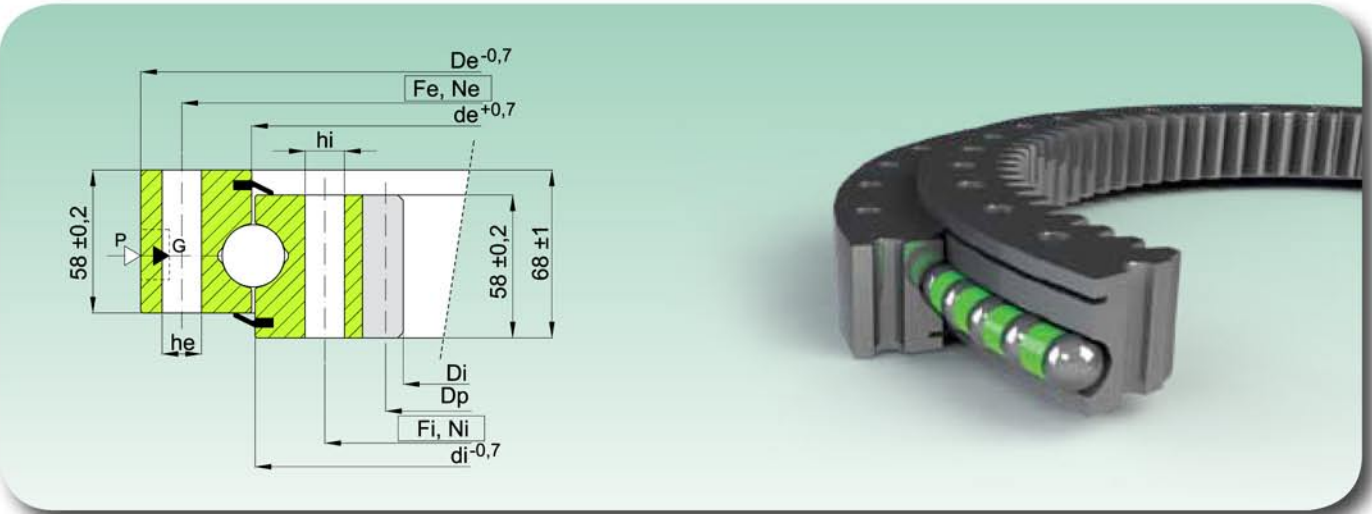
STATIC LOAD
CHARTS VALID
FOR COMPRESSIVE
LOADS

Fa
Charge axiale
équivalente [KN]
Equivalent axial load [KN]

ZB1.25 R

SÉRIE STANDARD

STANDARD SERIES



Code Code	Courbe Curve	Dimensions Dimensions				Trous de fixation Fixing Holes						Denture Gear data					Poids Weight
		De	de	di	Di	Fe	Ne	he	Fi	Ni	hi	m	Z	Dp	fz norm	fz max	
		[mm]	[mm]	[mm]	[mm]	[mm]	[-]	[mm]	[mm]	[-]	[mm]	[mm]	[-]	[mm]	[kN]	[kN]	
ZB1.25.1204.400-1SPPN	1	1289	1206	1202	1072	1257	45	16	1151	45	16	10	108	1080	48,33	96,67	145
ZB1.25.1314.400-1SPPN	2	1399	1316	1312	1182	1367	50	16	1261	50	16	10	119	1190	48,33	96,67	159
ZB1.25.1424.400-1SPPN	3	1509	1426	1422	1292	1477	54	16	1371	54	16	10	130	1300	48,33	96,67	172
ZB1.25.1534.400-1SPPN	4	1619	1536	1532	1402	1587	60	16	1481	60	16	10	141	1410	48,33	96,67	186
ZB1.25.1644.400-1SPPN	5	1752	1646	1642	1495	1708	54	22	1580	54	22	10	150	1500	48,33	96,67	236
ZB1.25.1754.400-1SPPN	6	1862	1756	1752	1605	1818	60	22	1690	60	22	10	161	1610	48,33	96,67	252
ZB1.25.1904.400-1SPPN	7	2012	1906	1902	1729	1968	64	22	1840	64	22	14	124	1736	67,67	135,33	299

- Matériau: 42CrMo4 Q+T

- Jeu axial max. 0,40 mm - Jeu radial max. 0,30 mm

- Pleins de graisse, protégés par huile et enveloppés dans un film plastique résistant

▷ P=bouchon introduction billes / filling plug
- Material 42CrMo4 Q+T

- Axial clearance max. 0,40 mm - Radial clearance max. 0,30 mm

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

► G= n.6 graisseurs M8X1 / n.6 greasers M8X1.

Mf

Moment basculant
équivalent [KNm]
Equivalent Tilting
moment [KNm]

Lire les instructions
techniques - partie 2 -
pour l'utilisation correcte
du graphique

Please read technical
instruction part 2 for
correct use of load graph.

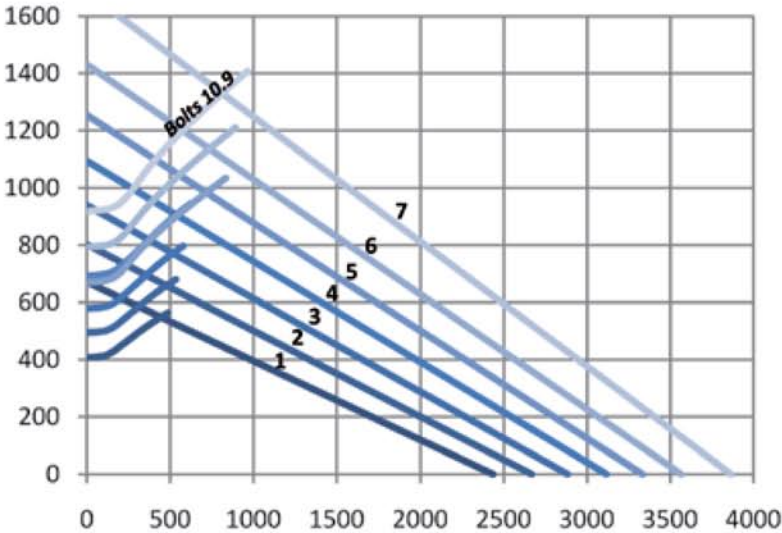


DIAGRAMME
DE CHARGE
STATIQUE POUR
CONTRAINTES DE
COMPRESSION

STATIC LOAD
CHARTS VALID
FOR COMPRESSIVE
LOADS

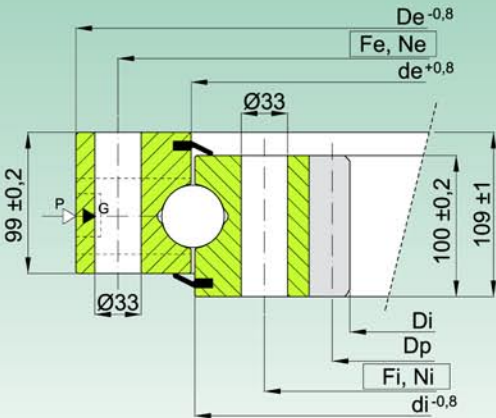
Fa

Charge axiale
équivalente [KN]
Equivalent axial load [KN]

ZB1.50 S

SÉRIE DE PRÉCISION

PRECISION SERIES



Code Code	Courbe Curve	Dimensions Dimensions					Trous de fixation Fixing Holes				Denture Gear data					Poids Weight
		De	de	di	Di	Fe	Ne	Fi	Ni	m	Z	xm	Dp	fz norm	fz max	
		[mm]	[mm]	[mm]	[mm]	[mm]	[-]	[mm]	[-]	[mm]	[-]	[mm]	[mm]	[kN]	[kN]	
ZB1.50.1800.400-1SPPN	1	1971	1798	1802	1554	1905	36	1695	36	14	112	-7	1568	128,5	257	762
ZB1.50.2000.400-1SPPN	2	2171	1998	2002	1764	2105	40	1895	40	14	127	-7	1778	128,5	257	843
ZB1.50.2240.400-1SPPN	3	2411	2238	2242	1984	2345	48	2135	48	16	125	-8	2000	146,8	293,6	961
ZB1.50.2490.400-1SPPN	4	2661	2488	2492	2240	2595	54	2385	54	16	141	-8	2256	146,8	293,6	1053
ZB1.50.2800.400-1SPPN	5	2971	2798	2802	2544	2905	60	2695	60	16	160	-8	2560	146,8	293,6	1205

- Matériau: 42CrMo4 Q+T

- Jeu axial max. 0,40 mm - Jeu radial max. 0,30 mm

- Pleins de graisse, protégés par huile et enveloppés dans un film plastique résistant

▷ P=bouchon introduction billes / filling plug ▶ G= n.6 graisseurs M8X1 / n.6 greasers M8X1.
- Material 42CrMo4 Q+T

- Axial clearance max. 0,40 mm - Radial clearance max. 0,30 mm

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

Mf
Moment basculant
équivalent [KNm]
Equivalent Tilting
moment [KNm]

Lire les instructions
techniques - partie 2 -
pour l'utilisation correcte
du graphique

Please read technical
instruction part 2 for
correct use of load graph.

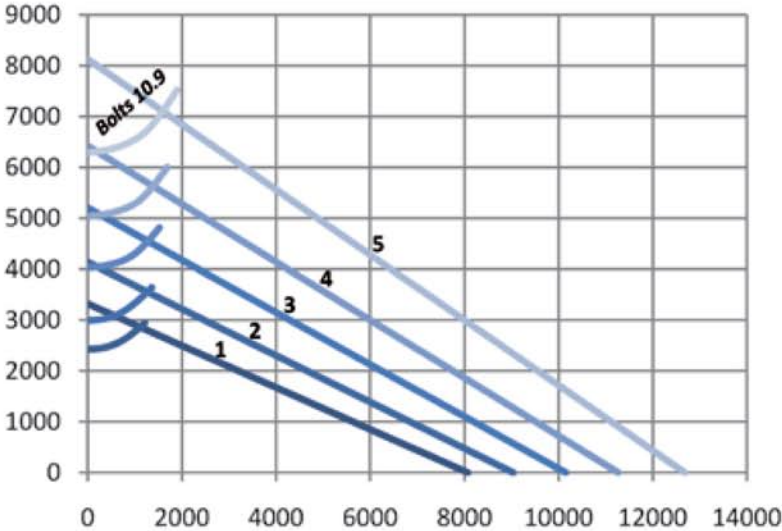


DIAGRAMME
DE CHARGE
STATIQUE POUR
CONTRAINTES DE
COMPRESSION

STATIC LOAD
CHARTS VALID
FOR COMPRESSIVE
LOADS

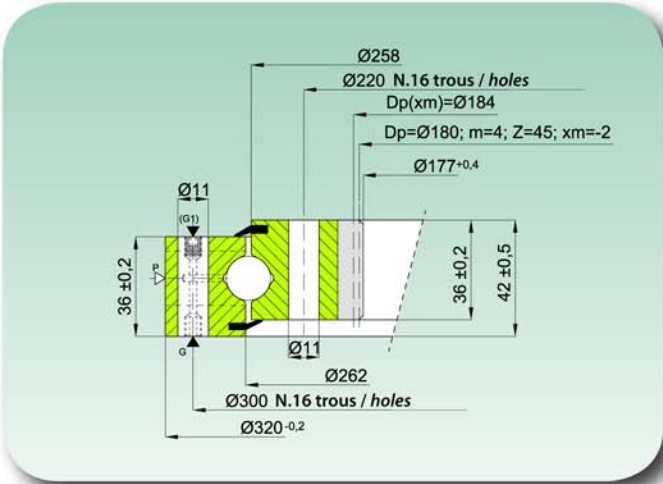
Fa
Charge axiale
équivalente [KN]
Equivalent axial load [KN]

ZB1 STOCK

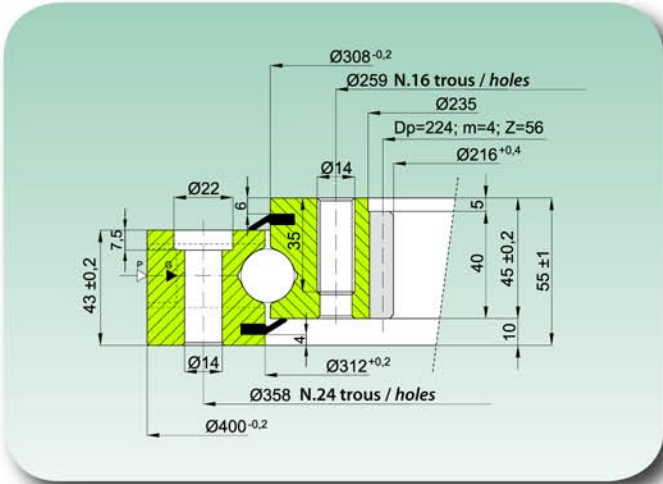
SÉRIE STANDARD

STANDARD SERIES

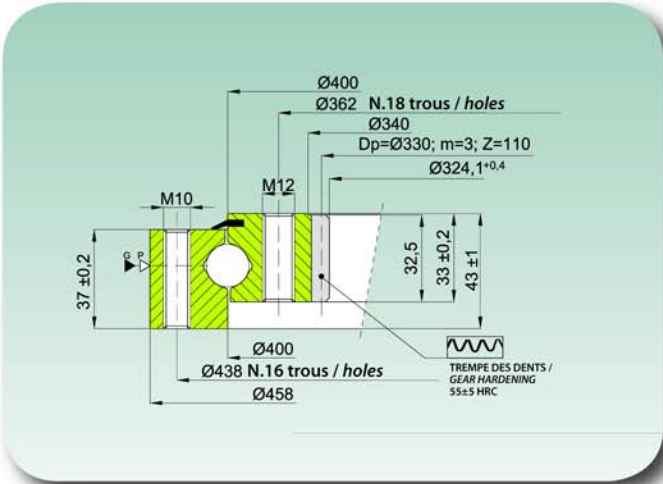
ZB1.16.0260.400-1SPPN



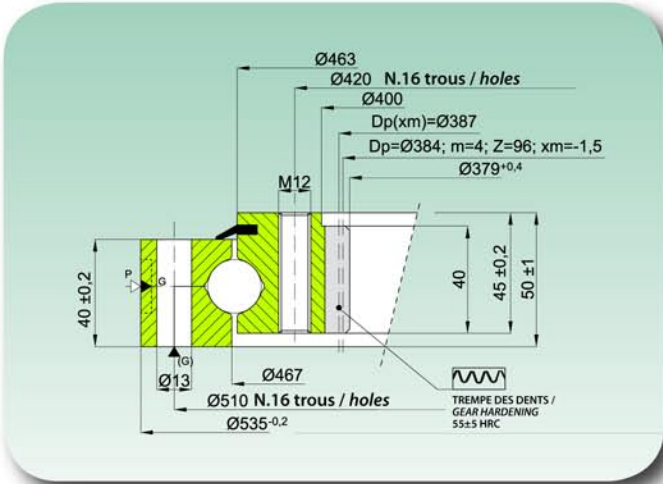
ZB1.20.0310.200-2SPTN



ZB1.16.0400.200-1RTTN



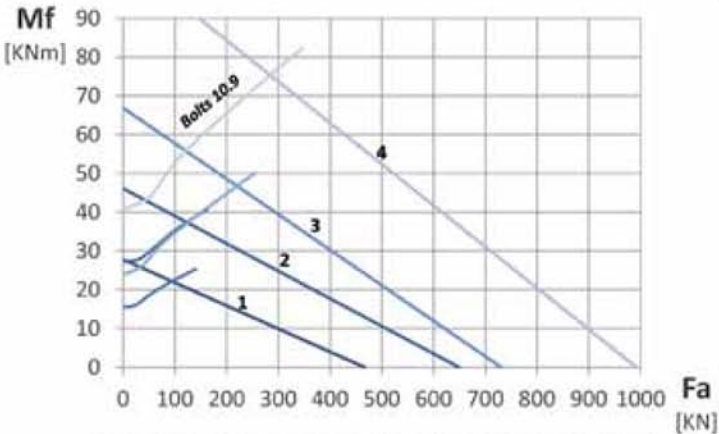
ZB1.20.0465.200-1RPTN



Code Code	Courbe Curve	Matériau Material	Denture Gear data		Poids Weight [Kg]
			f_z nor	f_z max	
			[kN]	[kN]	
ZB1.16.0260.400-1SPPN	1	42CrMo4 Q+T	11,1	22,2	13
ZB1.20.0310.200-2SPTN	2	C45 Q+T	7,2	14,4	26,5
ZB1.16.0400.200-1RTTN	3	C45 Q+T	5,6	11,2	19
ZB1.20.0465.200-1RPTN	4	C45 Q+T	11,1	22,2	17

DIAGRAMME DE CHARGE STATIQUE POUR CONTRAINTES DE COMPRESSION

STATIC LOAD CHARTS VALID FOR COMPRESSIVE LOADS



Lire les instructions techniques - partie 2 - pour l'utilisation correcte du graphique

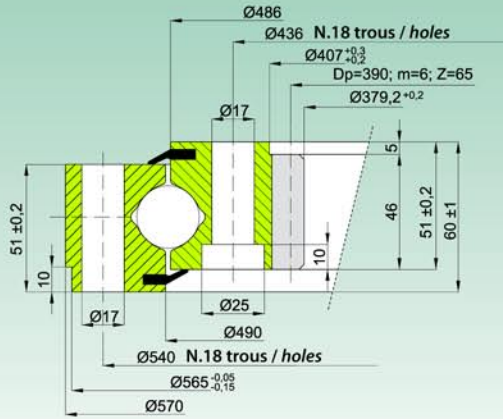
Please read technical instruction - part 2 - for correct use of load graph.

ZB1 STOCK

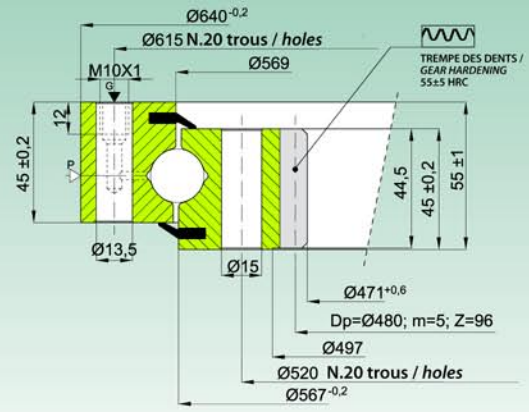
SÉRIE STANDARD

STANDARD SERIES

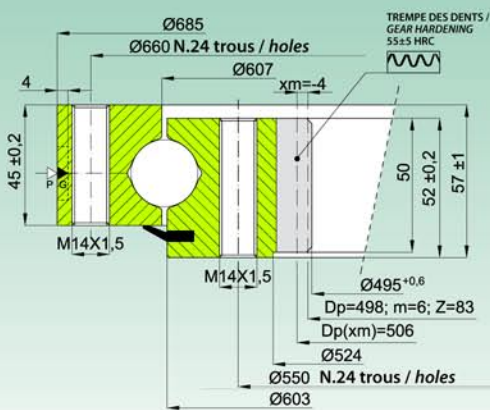
ZB1.25.0488.200-2SPPN



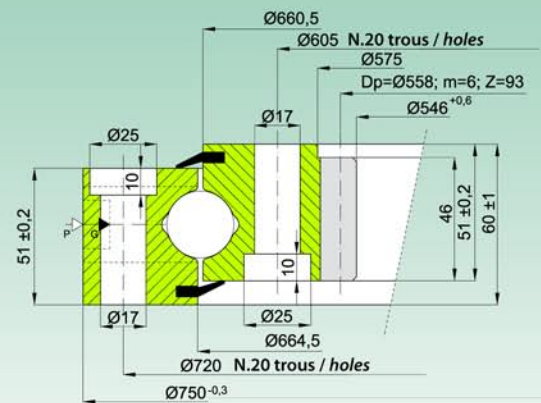
ZB1.20.0568.200-2RPPN



ZB1.20.0605.200-1RTTN



ZB1.25.0663.200-1SPPN



Code Code	Courbe Curve	Matériau Material	Denture Gear data		Poids Weight [Kg]
			fz nor [kN]	fz max [kN]	
ZB1.25.0488.200-2SPPN	5	C45 Q+T	17,2	34,4	46
ZB1.20.0568.200-2RPPN	6	C45 Q+T	15,7	31,3	45
ZB1.20.0605.200-1RTTN	7	C45 Q+T	24,0	48,0	61
ZB1.25.0663.200-1SPPN	8	C45 Q+T	19,5	39,0	68

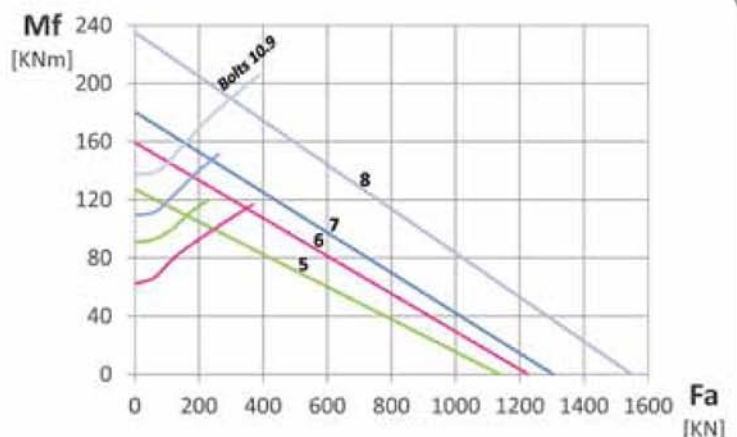


DIAGRAMME DE CHARGE STATIQUE POUR CONTRAINTES DE COMPRESSION
STATIC LOAD CHARTS VALID FOR COMPRESSIVE LOADS

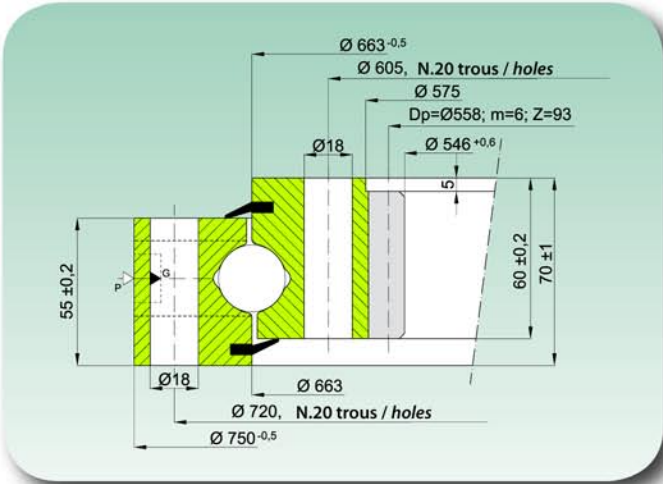
Lire les instructions techniques - partie 2 - pour l'utilisation correcte du graphique
Please read technical instruction - part 2 - for correct use of load graph.

ZB1 STOCK

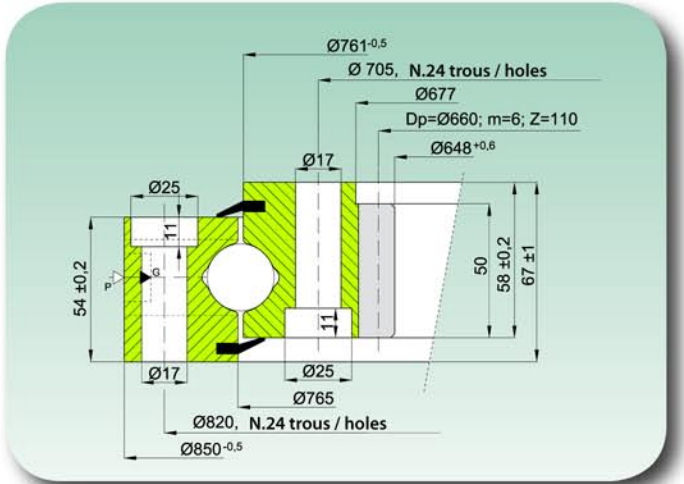
SÉRIE STANDARD

STANDARD SERIES

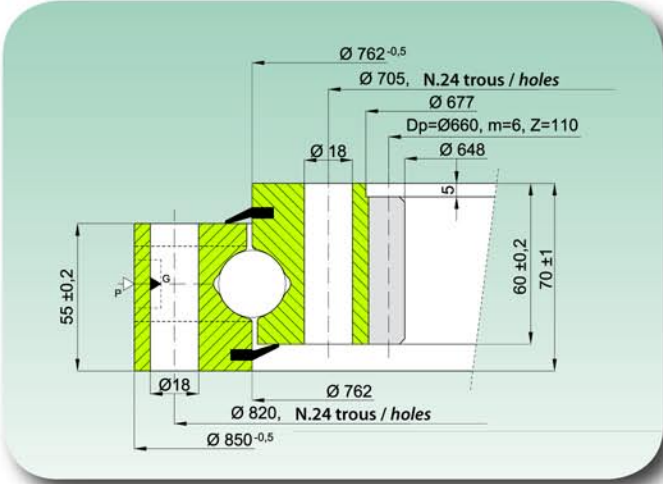
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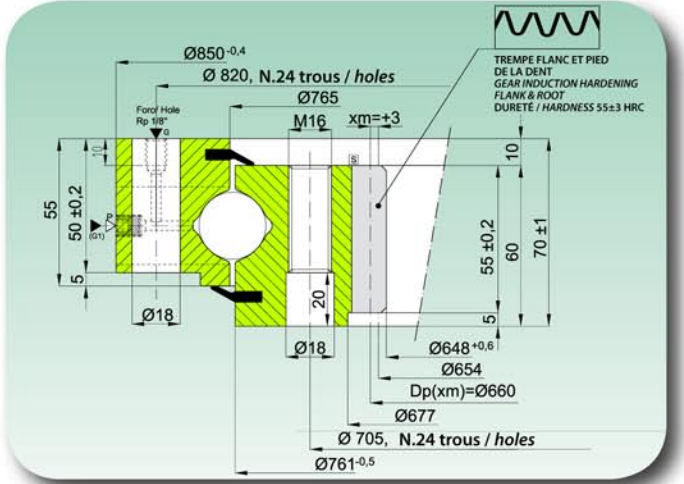
ZB1.25.0763.200-1SPPN



ZB1.25.0762.200-1SPPN



ZB1.25.0763.202-1RPTN



Code Code	Courbe Curve	Matériau Material	Denture Gear data		Poids Weight [Kg]
			fz nor [kN]	fz max [kN]	
ZB1.25.0663.201-1SPPN	9	C45 Q+T	19,5	39,0	76
ZB1.25.0763.200-1SPPN	10	C45 Q+T	19,5	39,0	85
ZB1.25.0762.200-1SPPN	10	C45 Q+T	19,5	39,0	91
ZB1.25.0763.202-1RPTN	10	C45 Q+T	25,0	50,0	85

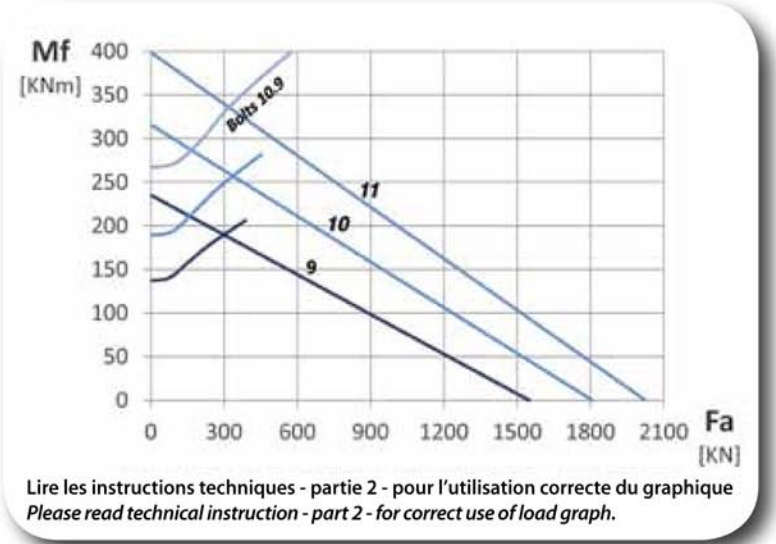


DIAGRAMME DE CHARGE STATIQUE POUR CONTRAINTES DE COMPRESSION

STATIC LOAD CHARTS VALID FOR COMPRESSIVE LOADS

Lire les instructions techniques - partie 2 - pour l'utilisation correcte du graphique

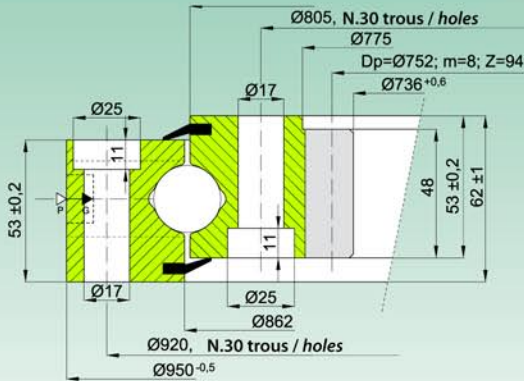
Please read technical instruction - part 2 - for correct use of load graph.

ZB1 STOCK

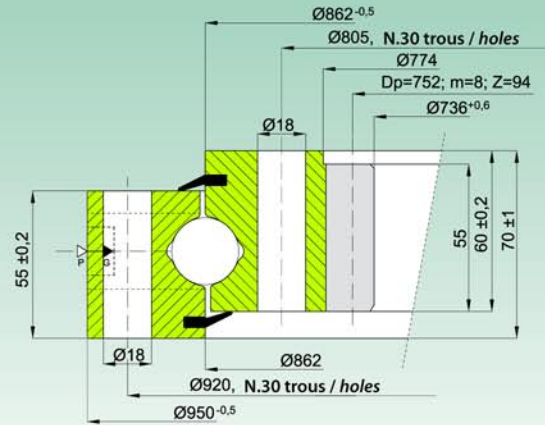
SÉRIE STANDARD

STANDARD SERIES

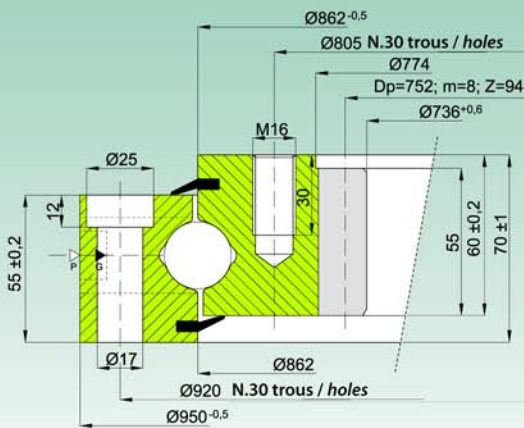
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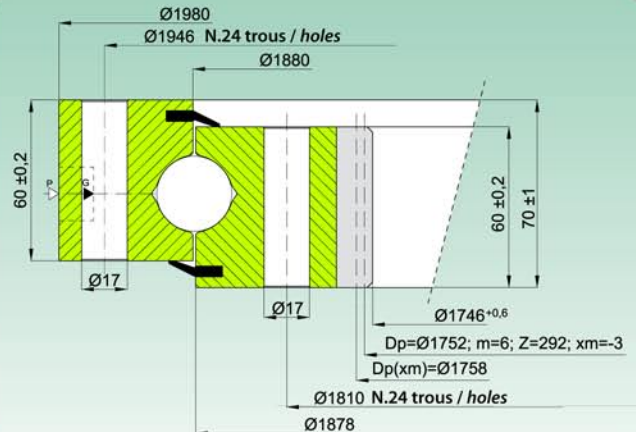
ZB1.25.0862.200-1SPPN



ZB1.25.0862.201-1SPTN



ZB1.28.1879.200-1SPPN



Code Code	Courbe Curve	Matériau Material	Denture Gear data		Poids Weight [Kg]
			fz nor [kN]	fz max [kN]	
ZB1.25.0860.200-1SPPN	11	C45 Q+T	27,0	54,0	95
ZB1.25.0862.200-1SPPN	11	C45 Q+T	27,0	54,0	108
ZB1.25.0862.201-1SPTN	11	C45 Q+T	27,0	54,0	115
ZB1.28.1879.200-1SPPN	12	C45 Q+T	19,5	39,0	290

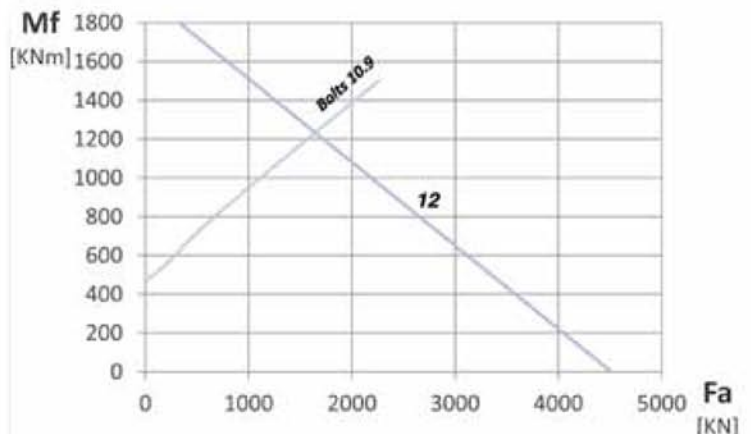


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