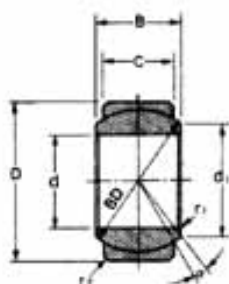
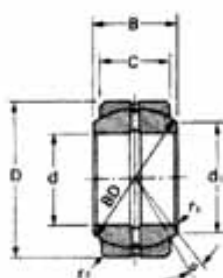


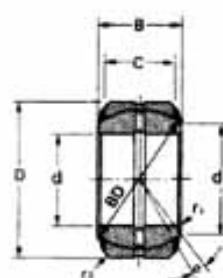
# CUSCINETTO SFERICO



**GE...E**  
Senza fori  
per la  
lubrificazione



**GE ... ES**  
Con fori  
per la  
lubrificazione



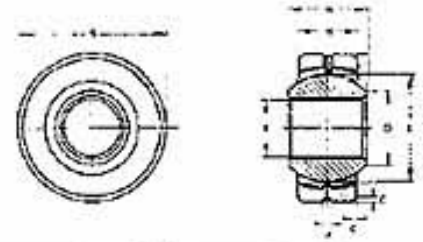
**GE ... ES 2RS**  
Con fori per la  
lubrificazione  
e guarnizioni

cuscinetto sferico acciaio su acciaio  
spaccato secondo una generatrice

Tipo	Tipo CON SCHERMI DI PROTEZIONE	d	D	B	C	n ± 0.25	r <sub>2</sub> ± 0.25	d <sub>r</sub>	α	BD	Gioco radiale μm	Carico statico kg.	Peso g.
GE 6E		6	14	6	4	0.5	0.5	8	13	10	45-75	2.400	4
GE 8E		8	16	8	5	0.5	0.5	10.2	15	13	50-80	3.900	8
GE 10E		10	19	9	6	0.8	0.8	13.1	12	16	50-90	5.800	12
GE 12E		12	22	10	7	0.8	0.8	14.9	11	18	50-90	7.650	17
GE 15ES	GE 15ES 2RS	15	26	12	9	0.8	0.8	18.7	9	22	50-90	12.000	32
GE 17ES	GE 17ES 2RS	17	30	14	10	0.8	1	20.4	10	25	50-90	15.200	49
GE 20ES	GE 20ES 2RS	20	35	16	12	0.8	1	24.1	9	29	60-100	20.900	65
GE 25ES	GE 25ES 2RS	25	42	20	16	0.8	1	29.3	8	35.5	60-100	34.100	115
GE 30ES	GE 30ES 2RS	30	47	22	18	0.8	1	34.2	6	40.7	60-100	44.000	160
GE 35ES	GE 35ES 2RS	35	55	25	20	1	1.2	39.8	7	47	70-120	56.500	258
GE 40ES	GE 40ES 2RS	40	62	28	22	1	1.2	45	6	53	70-120	70.000	315
GE 45ES	GE 45ES 2RS	45	68	32	25	1	1.2	50.8	8	60	70-120	90.000	413
GE 50ES	GE 50ES 2RS	50	75	35	28	1	1.2	56	7	66	70-120	111.000	560
GE 60ES	GE 60ES 2RS	60	90	44	36	1.2	1.5	66.8	7	80	80-150	173.000	1.100
GE 70ES	GE 70ES 2RS	70	105	49	40	1.2	1.5	77.9	6	92	80-150	221.000	1.540
GE 80ES	GE 80ES 2RS	80	120	55	45	1.2	1.5	89.4	6	105	80-150	285.000	2.290
GE 90ES	GE 90ES 2RS	90	130	60	50	1.5	1.5	98.1	6	115	100-180	345.000	2.820
GE100ES	GE100ES 2RS	100	150	70	55	1.5	1.5	109.5	8	130	100-180	430.000	4.430
GE110ES	GE110ES 2RS	110	160	70	55	1.5	1.5	121.2	7	140	100-180	462.000	4.940
GE120ES	GE120ES 2RS	120	180	85	70	1.5	1.5	135.6	6	160	100-180	672.000	8.120
GE140ES	GE140ES 2RS	140	210	90	70	1.5	1.5	155.9	7	180	120-210	756.000	11.400

**JAS**

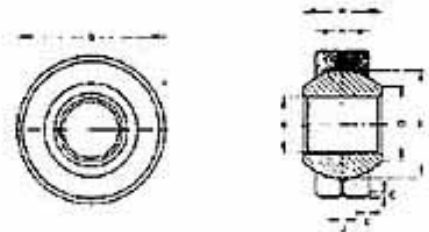
Sfera: acciaio  
 Inserto: bronzo  
 Supporto: acciaio



Tipo	Dimensioni (mm)								Angolo di disassamento			Carico statico limite	
	B	W	H	D	d	C	J	E	$\alpha 1^\circ$	$\alpha 2^\circ$	$\alpha 3^\circ$	Radiale kg	Assiale kg
JAS 5	5	8	7	7.71	16	0.5	1.5	11.11	3	7	24	830	230
JAS 6	6	9	7	8.96	18	0.5	1.5	12.7	6	11	28	1070	270
JAS 8	8	12	9	10.4	22	0.5	1.5	15.88	8	14	25	1720	430
JAS 10	10	14	11	12.92	26	0.5	1.5	19.05	7	12	23	2510	630
JAS 12	12	16	12	15.43	30	1	2	22.23	8	13	24	3200	800
JAS 14	14	19	14	16.86	34	1	2	25.4	9	14	23	4270	1070
JAS 15	15	20	14	18.12	36	1	2	26.99	10	16	24	4530	1130
JAS 16	16	21	15	19.39	38	1	2	28.58	9	15	24	5140	1290
JAS 17	17	22	16	20.63	40	1	2.5	30.16	9	14	23	5780	1450
JAS 18	18	23	17	21.89	42	1.5	2.5	31.75	9	14	23	6480	1620
JAS 20	20	25	18	24.38	46	1.5	2.5	34.93	9	14	24	7540	1890
JAS 22	22	28	20	25.84	50	1.5	2.5	38.1	10	15	23	9140	2290
JAS 25	25	31	22	29.6	56	1.5	3	42.66	10	15	23	11320	2830
JAS 28	28	35	25	32.29	62	1.5	3	47.63	10	15	22	14290	3570
JAS 30	30	37	26	34.81	67	2	3	50.8	10	15	23	15950	3980

**JBS**

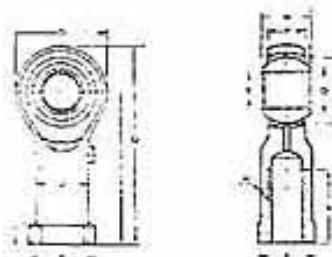
Sfera: acciaio  
 Inserto: =  
 Supporto: acciaio



Tipo	Dimensioni (mm)								Angolo di disassamento			Carico statico limite	
	B	W	H	D	d	C	J	E	$\alpha 1^\circ$	$\alpha 2^\circ$	$\alpha 3^\circ$	Radiale kg	Assiale kg
JBS 5	5	8	5.6	7.71	16	0.5	1.5	11.11	9	15	32	2490	620
JBS 6	6	9	6.4	8.96	18	0.5	1.5	12.7	9	14	31	3250	810
JBS 8	8	12	7.9	10.4	22	0.5	1.5	15.88	11	19	29	5020	1260
JBS 10	10	14	9.5	12.92	26	0.5	1.5	19.05	10	17	29	7250	1810
JBS 12	12	16	11.1	15.43	30	1	2	22.23	10	16	27	9870	2470
JBS 14	14	19	12.5	16.86	34	1	2	25.4	11	18	25	12930	3220
JBS 15	15	20	13.5	18.12	36	1	2	26.99	11	17	26	14570	3640
JBS 16	16	21	14.3	19.39	38	1	2	28.58	11	17	25	16350	4090
JBS 17	17	22	15.1	20.63	40	1	2.5	30.16	10	16	25	18220	4560
JBS 18	18	23	15.9	21.89	42	1.5	2.5	31.75	11	16	25	20190	5050
JBS 20	20	25	17.5	24.38	46	1.5	2.5	34.93	10	15	25	24450	6110

**JAF-JAFL**

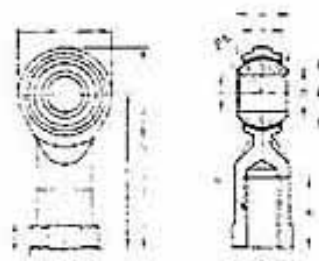
Sfera: acciaio  
 Inserto: bronzo  
 Supporto: acciaio



Tipo	Dimensioni (mm)														Angolo di disassamento			Carico statico radiale minimo di rottura kg	Carico statico limite	
	B	W	H	O	D	F	G	A	K	X	J	L	E	M	α				Radiale kg	Assiale kg
															α1°	α2°	α3°			
JAF 5	5	8	7	7.71	16	27	35	14	12	9	9	4	11.11	M 5×0.8	4	7	24	930	620	230
JAF 6	6	9	7	8.96	18	30	39	14	13	11	10	5	12.7	M 6×1	7	11	28	1040	690	270
JAF 8	8	12	9	10.4	22	36	47	17	16	14	12.5	5	15.88	M 8×1.25	8	14	25	1490	990	430
JAF 10	10	14	11	12.92	26	43	56	21	19	17	15	6.5	19.05	M 10×1.5	7	12	23	2010	1340	630
JAF 12	12	16	12	15.43	30	50	65	24	22	19	17.5	6.5	22.23	M 12×1.75	8	13	24	2470	1650	800
JAF 14	14	19	14	16.86	34	57	74	27	25	22	20	8	25.4	M 14×2	9	14	23	3130	2050	1070
JAF 15	15	20	14	18.12	36	61	78	30	26	22	21	8	26.99	M 14×2	10	16	24	3330	2220	1130
JAF 16	16	21	15	19.39	38	64	83	33	27	22	22	8	28.58	M 16×2	10	15	24	3700	2470	1290
JAF 17	17	22	16	20.63	40	67	87	34	31	27	24	10	30.16	M 16×1.5	8	14	23	4090	2730	1450
JAF 18	18	23	17	21.89	42	71	92	36	31	27	25	10	31.75	M 18×1.5	8	14	23	4490	2990	1620
JAF 20	20	25	18	24.39	46	77	100	40	37	32	27.5	10	34.93	M 20×1.5	8	14	24	5180	3460	1890
JAF 22	22	28	20	25.84	50	84	109	43	37	32	30	12	38.1	M 22×1.5	10	15	23	6100	4070	2290
JAF 25	25	31	22	29.6	56	94	122	48	42	36	33.5	12	42.66	M 24×2	10	15	23	7420	4950	2630
JAF 26	26	35	25	32.29	62	103	134	53	46	41	37.5	12	47.63	M 27×2	10	15	22	9070	6050	3570
JAF 30	30	37	26	34.81	67	110	143.5	56	50	41	40	15	50.8	M 30×2	10	15	23	11000	7370	3960

**FBF-FBFL**

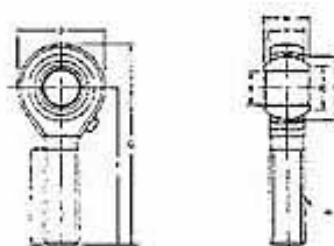
Sfera: acciaio  
 Inserto: teflon  
 Supporto: acciaio



Tipo	Dimensioni (mm)														Angolo di disassamento α2°	Carico statico radiale minimo di rottura kg	Carico statico limite	
	B	W	H	O	D	F	G	A	K	X	J	L	E	M			Radiale kg	Assiale kg
FBF 5	5	8	7	7.7	16	27	35	12.5	12	10	9	4	11.11	M 5×0.8	7	880	590	230
FBF 6	6	9	7	9	18	30	39	13.5	13	11	10	5	12.7	M 6×1	11	1000	650	250
FBF 8	8	12	9	10.4	22	36	47	16	16	14	12.5	5	15.88	M 8×1.25	14	1200	800	300
FBF 10	10	14	11	12.9	26	43	56	19.5	19	17	15	6.5	19.05	M 10×1.5	12	1550	1050	390
FBF 12	12	16	12	15.4	30	50	65	24	22	19	17.5	6.5	22.23	M 12×1.75	13	1950	1300	500
FBF 14	14	19	14	16.9	34	57	74	27	25	22	20	8	25.4	M 14×2	14	2550	1700	650
FBF 16	16	21	15	19.4	38	64	83	33	27	22	22	8	28.58	M 16×2	15	3150	2100	800
FBF 18	18	23	17	21.9	42	71	92	36	31	27	25	10	31.75	M 18×1.5	14	3800	2550	950
FBF 20	20	25	18	24.4	46	77	100	40	34	30	27.5	10	34.93	M 20×1.5	14	4500	3000	1100
FBF 22	22	28	20	25.8	50	84	109	43	37	32	30	12	38.1	M 22×1.5	15	5300	3550	1350

## JAM-JAML

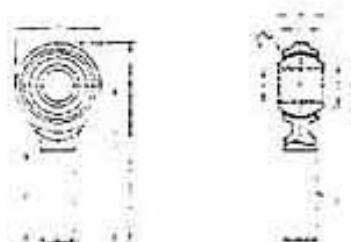
Sfera: acciaio  
 Inserito: bronzo  
 Supporto: acciaio



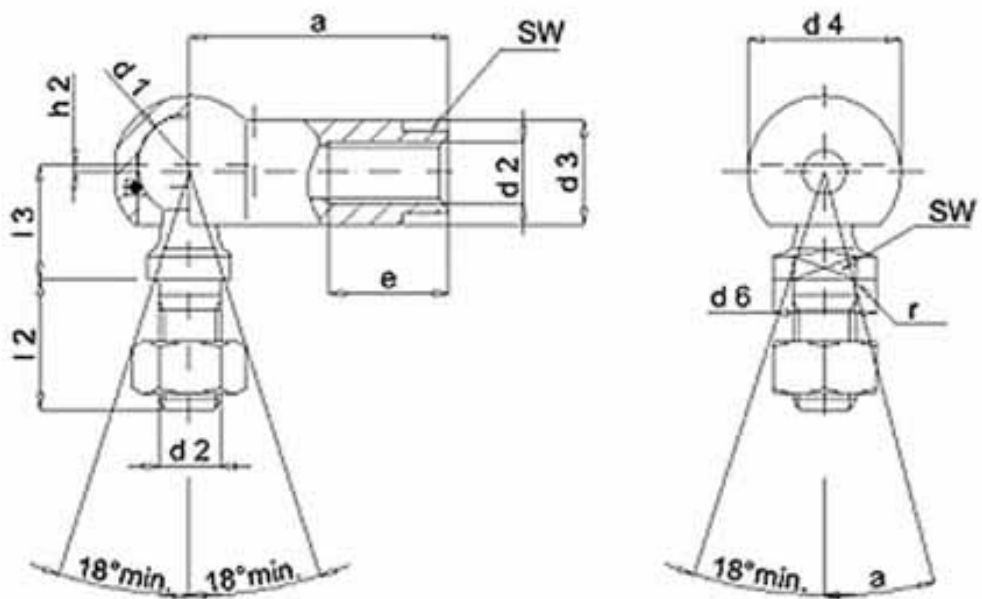
Tipo	Dimensioni (mm)										Angolo di disassamento			Carico statico radiale minimo di rottura kg	Carico statico limite	
	B	W	H	O	D	F	G	A	E	M	$\alpha 1^\circ$	$\alpha 2^\circ$	$\alpha 3^\circ$		Radiale kg	Assiale kg
JAM 5	5	8	7	7.71	16	33	41	20	11.11	M 5 x 0.8	4	7	24	490	330	230
JAM 6	6	9	7	8.96	18	36	45	22	12.7	M 6 x 1	7	11	28	690	460	270
JAM 8	8	12	9	10.4	22	42	53	25	15.88	M 8 x 1.25	8	14	25	1260	840	430
JAM 10	10	14	11	12.92	26	48	61	29	19.05	M 10 x 1.5	7	12	23	2010	1340	630
JAM 12	12	16	12	15.43	30	54	69	33	22.23	M 12 x 1.75	8	13	24	2470	1650	800
JAM 14	14	19	14	16.86	34	60	77	36	25.4	M 14 x 2	9	14	23	3130	2090	1070
JAM 15	15	20	14	18.12	36	63	81	38	26.99	M 14 x 2	10	16	24	3330	2220	1130
JAM 16	16	21	15	19.39	38	66	85	40	28.58	M 16 x 2	10	15	24	3700	2470	1290
JAM 17	17	22	16	20.63	40	69	89	42	30.16	M 16 x 1.5	9	14	23	4090	2730	1450
JAM 18	18	23	17	21.89	42	72	93	44	31.75	M 18 x 1.5	9	14	23	4490	2990	1620
JAM 20	20	25	18	24.38	46	78	101	47	34.93	M 20 x 1.5	9	14	24	5180	3460	1890
JAM 22	22	28	20	25.84	50	84	109	51	38.1	M 22 x 1.5	10	15	23	6100	4070	2290
JAM 26	25	31	22	29.6	56	94	122	57	42.86	M 24 x 2	10	15	23	7420	4950	2830
JAM 28	28	35	25	32.29	62	103	134	62	47.63	M 27 x 2	10	15	22	9070	6050	3570
JAM 30	30	37	26	34.81	67	110	143.5	66	50.8	M 30 x 2	10	15	23	11000	7340	3960

## FBM-FBML

Sfera: acciaio  
 Inserito: teflon  
 Supporto: acciaio



Tipo	Dimensioni (mm)										Angolo di disassamento $\alpha 2^\circ$	Carico statico radiale minimo di rottura kg	Carico statico limite	
	B	W	H	O	D	F	G	A	E	M			Radiale kg	Assiale kg
FBM 5	5	8	7	7.7	16	33	41	20	11.11	M 5 x 0.8	7	400	250	100
FBM 6	6	9	7	9	18	36	45	22	12.7	M 6 x 1	11	600	400	150
FBM 8	8	12	9	10.4	22	42	53	25	15.88	M 8 x 1.25	14	1100	750	300
FBM 10	10	14	11	12.9	26	48	61	29	19.05	M 10 x 1.5	12	1550	1050	400
FBM 12	12	16	12	15.4	30	54	69	33	22.23	M 12 x 1.75	13	1950	1300	500
FBM 14	14	19	14	16.9	34	60	77	36	25.4	M 14 x 2	14	2550	1700	650
FBM 16	16	21	15	19.4	38	66	85	40	28.58	M 16 x 2	15	3150	2100	800
FBM 18	18	23	17	21.9	42	72	93	44	31.75	M 18 x 1.5	14	3800	2550	950
FBM 20	20	25	18	24.4	46	78	101	47	34.93	M 20 x 1.5	14	4500	3000	1150
FBM 22	22	28	20	25.8	50	84	109	51	38.1	M 22 x 1.5	15	5310	3550	1350



Denominazione	d1	d2	a	d3	d4	d6	e	h2	l2	l3	r	*sw	α°
			±0,3	±0,5	±0,5	h14	min.	±0,5	±0,3	±0,3	max.	h14	≈
<b>AS 8 M5</b>	8	M5	22	8	12,8	8	10,2	0,65	10,0	9	0,3	7	10
<b>AS10 M6</b>	10	M6	25	10	14,8	10	11,5	0,70	12,5	11	0,3	8	15
<b>AS13 M8</b>	13	M8	30	13	19,3	13	14,0	1,15	16,5	13	0,5	11	15
<b>AS16 M10</b>	16	M10	35	16	24,0	16	15,5	1,15	20,0	16	0,5	13	15
<b>AS19 M14x1,5</b>	19	M14x1,5	45	22	30,0	19	21,5	0,50	28,0	20	0,8	/	15
<b>AS19 M14x2</b>	19	M14x2	45	22	30,0	19	21,5	0,50	28,0	20	0,8	/	15