

Metric Rod Ends



GIS Type

Heavy Duty, Zinc Plated
Grease Fitting for Re-Lube
Right & Left Hand - Internal Threads
Suited for High Speed Applications

Housing: Sizes 2-12 turned from free-cutting steel to 9SMnPb28K, 12L13

Sizes 14-40 are forged from heat-treated steel to C22, M1023

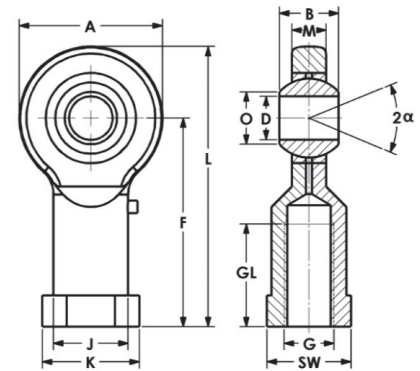
Size 50 is turned from heat-treated steel to C45, AISI 1045

Insert: Special high strength bronze to CuSn8

Ball: Bearing steel to 100Cr6 AISI 52100, hardened, ground, polished

This series is also available sealed and with CETOP dimensions for Hydraulic Cylinders

Models Available



Right Hand Part No.	Left Hand Part No.	Size D	Dimensions (mm)											Static Load C _o kN	Dynamic Load C kN	Max Speed RPM	α°	Wt. g
			B	M	A	F	L	K	J	O	SW	G	GL					
GIS 2*	GILS 2*	2	4.5	3.60	9	16	20.5	4.5	3.8	2.6	4.0	M2 x 0.4	7	3.0	1.1	—	16	3
GIS 3	GILS 3	3	6.0	4.50	14	21	27.0	6.5	5.0	5.1	5.5	M3 x 0.5	10	4.1	1.8	—	14	6
GIS 5	GILS 5	5	8.0	6.00	18	27	36.0	11.0	9.0	7.7	9.0	M5 x 0.8	10	8.0	3.3	—	13	18
GIS 6	GILS 6	6	9.0	6.75	20	30	40.0	13.0	10.0	8.9	11.0	M6 x 1	12	8.9	4.3	1500	13	27
GIS 8	GILS 8	8	12.0	9.00	24	36	48.0	16.0	12.5	10.4	13.0	M8 x 1.25	16	14.1	7.1	1200	14	46
GIS 10	GILS 10	10	14.0	10.50	28	43	57.0	19.0	15.0	12.9	17.0	M10 x 1.5	20	19.3	10.0	1000	13	76
GIS 12	GILS 12	12	16.0	12.00	32	50	66.0	22.0	17.5	15.4	19.0	M12 x 1.75	22	23.5	13.5	860	13	115
GIS 14	GILS 14	14	19.0	13.50	36	57	75.0	25.0	20.0	16.8	22.0	M14 x 2	25	21.0	17.0	750	16	170
GIS 16	GILS 16	16	21.0	15.00	42	64	85.0	27.0	22.0	19.3	22.0	M16 x 2	28	32.0	21.5	660	15	230
GIS 18	GILS 18	18	23.0	16.50	46	71	94.0	31.0	25.0	21.8	27.0	M18 x 1.5	32	38.5	26.0	600	15	320
GIS 20	GILS 20	20	25.0	18.00	50	77	102.0	34.0	27.5	24.3	32.0	M20 x 1.5	33	44.0	31.5	540	14	415
GIS 22	GILS 22	22	28.0	20.00	54	84	111.0	37.0	30.0	25.8	32.0	M22 x 1.5	37	53.0	38.0	500	15	540
GIS 25	GILS 25	25	31.0	22.00	60	94	124.0	42.0	33.5	29.6	36.0	M24 x 2	42	62.0	47.0	440	15	750
GIS 30	GILS 30	30	37.0	25.0	70	110	145.0	51.0	40.0	34.8	41.0	M30 x 2	51	82.0	64.0	370	17	1130
GIS 35	GILS 35	35	43.0	28.0	80	125	165.0	58.0	46.0	37.7	50.0	M36 x 2	56	101.0	80.0	330	19	1600
GIS 40	GILS 40	40	49.0	35.0	90	142	187.0	69.0	57.0	44.2	60.0	M42 x 2	60	124.0	116.0	290	16	2770

Note: * Without Grease Fitting. Size 50 available on request.

GAS Type

Heavy Duty, Zinc Plated
Grease Fitting for Re-Lube
Right & Left Hand - External Threads
Suited for High Speed Applications

Housing: Sizes 2-12 turned from free-cutting steel to 9SMnPb28K, 12L13

Sizes 14-40 are forged from heat-treated steel to C22, M1023

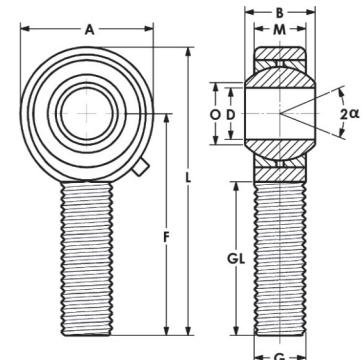
Size 50 is turned from heat-treated steel to C45, AISI 1045

Insert: Special high strength bronze to CuSn8

Ball: Bearing steel to 100Cr6, AISI 52100, hardened, ground, polished

This series is also available sealed and with CETOP dimensions for Hydraulic Cylinder

Models Available



Right Hand Part No.	Left Hand Part No.	Size D	Dimensions (mm)								Static Load C _o kN	Dynamic Load C kN	Max Speed RPM	α°	Wt. g
			B	M	A	F	L	O	G	GL					
GAS 2*	GALS 2*	2	4.5	3.60	9	20	24.5	2.6	M2 x 0.4	12	0.6	1.1	—	16	3
GAS 3*	GALS 3*	3	6.0	4.50	14	26	33.0	5.1	M3 x 0.5	15	1.5	1.8	—	14	6
GAS 5*	GALS 5*	5	8.0	6.00	18	33	42.0	7.7	M5 x 0.8	20	4.3	3.3	—	13	13
GAS 6	GALS 6	6	9.0	6.75	20	36	46.0	8.9	M6 x 1	22	6.0	4.3	1500	13	20
GAS 8	GALS 8	8	12.0	9.00	24	42	54.0	10.4	M8 x 1.25	25	11.0	7.0	1200	14	33
GAS 10	GALS 10	10	14.0	10.50	28	48	62.0	12.9	M10 x 1.5	29	17.4	10.0	1000	13	56
GAS 12	GALS 12	12	16.0	12.00	32	54	70.0	15.4	M12 x 1.75	33	23.5	13.5	860	13	87
GAS 14	GALS 14	14	19.0	13.50	36	60	78.0	16.8	M14 x 2	36	21.0	17.0	750	16	129
GAS 16	GALS 16	16	21.0	15.00	42	66	87.0	19.3	M16 x 2	40	32.0	21.5	660	15	189
GAS 18	GALS 18	18	23.0	16.50	46	72	95.0	21.8	M18 x 1.5	44	38.5	26.0	600	15	267
GAS 20	GALS 20	20	25.0	18.00	50	78	103.0	24.3	M20 x 1.5	47	44.0	31.5	540	14	348
GAS 22	GALS 22	22	28.0	20.00	54	84	111.0	25.8	M22 x 1.5	51	53.0	38.0	500	15	443
GAS 25	GALS 25	25	31.0	22.00	60	94	124.0	29.6	M24 x 2	58	62.0	47.0	440	15	600
GAS 30	GALS 30	30	37.0	25.00	70	110	145.0	34.8	M30 x 2	71	82.0	64.0	370	17	1030
GAS 35	GALS 35	35	43.0	28.00	80	125	165.0	37.7	M36 x 2	73	101.0	80.0	330	19	1600
GAS 40	GALS 40	40	49.0	35.00	90	142	187.0	44.2	M42 x 2	78	124.0	116.0	290	16	2550

Note: * Without grease fitting.