





## about IAR

"We are here to stay in the field of CNC and automation accessories. We are deeply devoted to the development of our products and services.

Our aim is complete customer satisfaction."

– V.V. Mujumdar,Founder, IAR

Institute of Applied Research (IAR), established in 1974 as a research organisation, is engaged in research activities in the areas of –

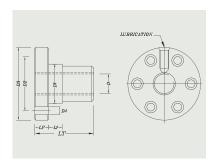
- Material Sciences
- Precision linear actuator ball screws
- Nano technology in medical sciences
- Material handling equipment

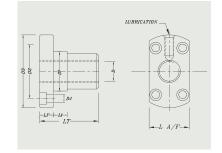
IAR has had the distinction of excelling in different areas of technology and has several national and international awards to its credit.

Situated in India at MIDC Bhosari, Pune in Maharashtra state on 18,000 sq. ft. plot with a built-up area of 8500 sq. ft., IAR not only manufactures ball screws and skid rollers but also sponsors projects for graduate and post-graduate engineering students, training them in the competitive environment of the small-scale industry sector with a view to promote entrepreneurship. Foreign students, especially from Spain and France, are regularly trained at IAR.









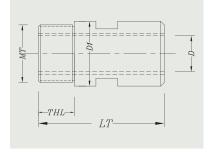


Figure 1: IAR FLANGED NUT SERIES 1011

Figure 2: IAR FLANGED NUT SERIES 1012

Figure 3: IAR FLANGED NUT SERIES 1013

## IAR FLANGED NUT SERIES 1011 AND 1012 DETIALS ARE IN FOLLOWING TABLE. AND ALSO CUSTOM DESIGNS ARE ALSO AVAILABLE.

	NUT DIAMENSIONS												LOAD RATINGS N		
MODEL	NOM.	LEAD	BALL	NO. 0F	D	D1	D2	D3	D4	L A/F	LF	L1	LT	DYNAMIC	STATIC
	DIA.		DIA	CIRCUITS										N	N
IAR 5X0.5	5	0.5	Ø0.3	3	5	12	18	24	3.3	14	8	6	25	80	130
IAR 5X1	5	1	Ø0.6	3	5	12	18	24	3.3	14	10	6	25	170	240
IAR 8X1	8	1	Ø0.6	3	8	16	22	30	4.2	18	10	6	25	400	540
IAR 10X1	10	1	Ø0.6	3	10	18	24	32	4.2	20	12	6	28	600	940
IAR 12X1	12	1	Ø0.6	3	12	20	26	34	4.2	14	12	6	30	600	1100
IAR 5X1.5	5	1.5	Ø1	3	5	12	18	24	3.3	14	10	6	25	640	860
IAR 8X1.5	8	1.5	Ø1	4	8	16	22	30	4.2	18	12	6	30	1200	1800
IAR 10X1.5	10	1.5	Ø1	3	10	18	24	32	4.2	20	12	6	30	1600	2200
IAR 12X1.5	12	1.5	Ø1	3	12	21	26	32	4.2	22	10	6	30	2000	2800
IAR 8X2	8	2	Ø1.58	4	8	20	26	32	4.2	22	10	6	35	2000	2100
IAR 10X2	10	2	Ø1.58	4	10	22	28	34	4.2	24	10	6	35	2200	2100
IAR 12X2	12	2	Ø1.58	4	12	24	29	34	4.2	24	12	6	35	2500	3400

## IAR FLANGED NUT SERIES 1013 DETIALS ARE IN FOLLOWING TABLE. AND ALSO CUSTOM DESIGN IS ALSO AVAILABLE.

NUT DIAMENSIONS											LOAD RATINGS		
MODEL	NOM.	LEAD	BALL	NO. OF	D	D1	MT	TL	LT	DYNAMIC	STATIC		
	DIA.		DIA.	CIRCUITS						N	N		
IAR 5X0.5	5	0.5	Ø0.3	3	5	15	12X1	10	36	80	130		
IAR 5X1	5	1	Ø0.6	3	5	15	10x1	10	36	170	240		
IAR 8X1	8	1	Ø0.6	3	8	18	15X1	12	40	400	540		
IAR 10X1	10	1	Ø0.6	3	10	22	17X1	12	42	600	940		
IAR 12X1	12	1	Ø0.6	3	12	25	20X1.5	15	50	600	1100		
IAR 5X1.5	5	1.5	Ø1	3	5	15	10x1	10	36	640	860		
IAR 8X1.5	8	1.5	Ø1	4	8	20	15X1	12	40	1200	1800		
IAR 10X1.5	10	1.5	Ø1	3	10	22	17X1	12	42	1600	2200		
IAR 12X1.5	12	1.5	Ø1	3	12	24	20X1.5	15	50	2000	2800		
IAR 8X2	8	2	Ø1.58	4	8	20	15X1	12	40	2000	2100		
IAR 10X2	10	2	Ø1.58	4	10	22	17X1	12	42	2200	2100		
IAR 12X2	12	2	Ø1.58	4	12	24	20X1.5	15	50	2500	3400		

All dimensions are in mm. Standard supply is RH Ball Screw. Ball Screw with LH orientation can be supplied on request. Above dimensions may change as and when decided by Institute of Applied Research



Institute of Applied Research

J-297 & W-205,

M.I.D.C., Bhosari,

Pune - 411 026

(INDIA)

Tel. (O): +91 - 020 - 27 12 06 77
(R): +91 - 020 - 25 81 77 25
Fax: +91 - 020 - 27 12 12 17
Cell: +91 - 98 22 97 67 12
Email: pramu\_42@yahoo.co.in

Website: www.iarpune.co.in