SINCE 1979

LTM

LEADTEAM

A Subsidiary of Deans Group

Exceed Technology · Leading quality

LTM BALLSCREWS

LTM BALLSCREWS

NISE

Primo distributore europeo di viti a ricircolo di sfere, a marchio Nitek, collaborazione avviata nell'anno 2012. Produzione con sede a Taiwan; ampia gamma di viti realizzate a disegno , flangiate, cilindriche (esecuzione con chiavetta e con filetto). A partire dall'anno 2013 ampliamento della gamma di produzione di vite rullate ,che va a sommarsi a quelle di precisione

Circulation Types

Basically, Leadteam has 3 kinds of recirculations in design.

1. External Circulation Type :

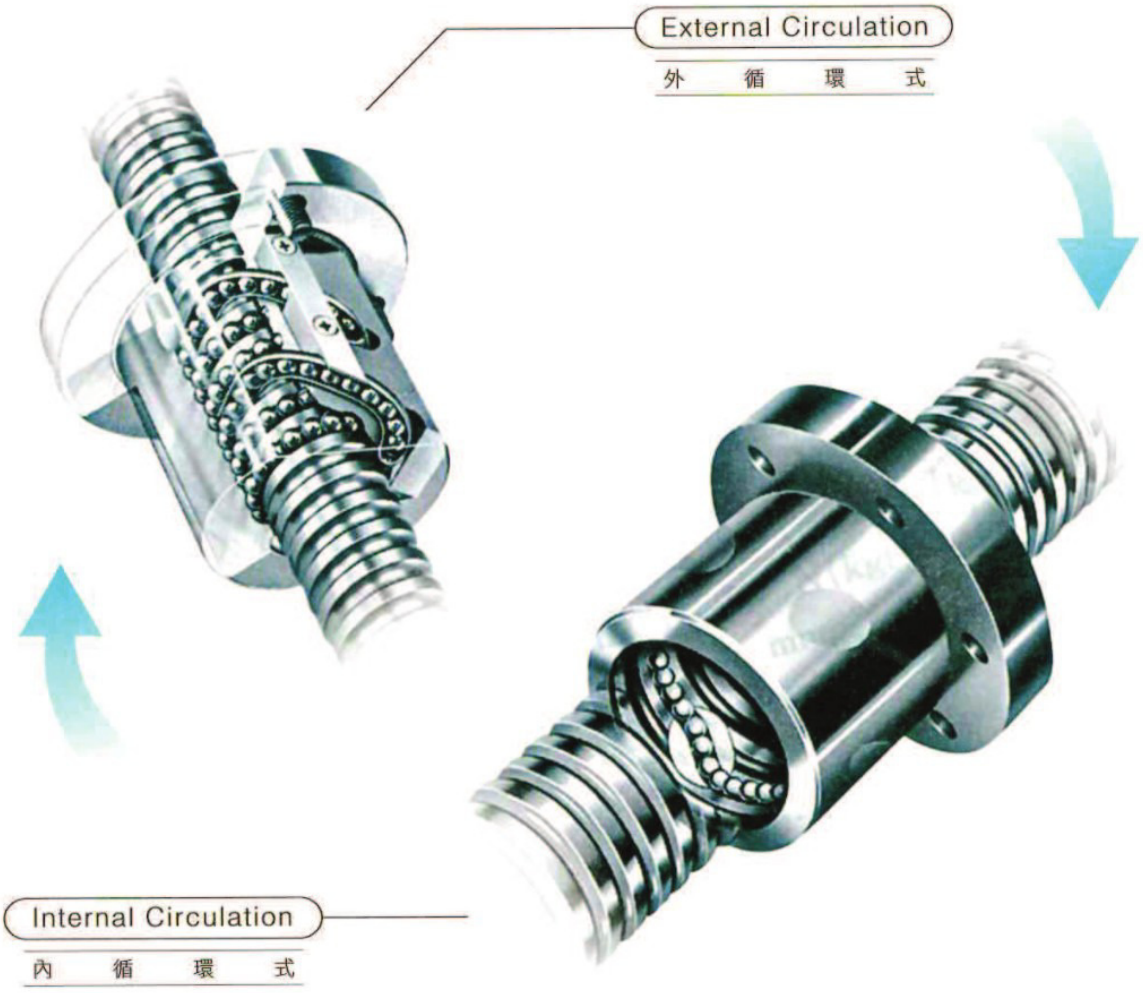
A tube is used to circulate balls. The tube scoops balls from the screw shaft passing through the return tube to their original position.

2. Internal Circulation Type :

The deflector changes the route of ball movement as a result ball override the tread crest and return to original position thus maintaining perpetual motion.

3. Endcap Circulation Type :

Ball enters the tangential direction of the nut thread, through axial hole back to the other endcap into the screw thread. Included : Screw, Nut, Ball, and Both Endcaps.

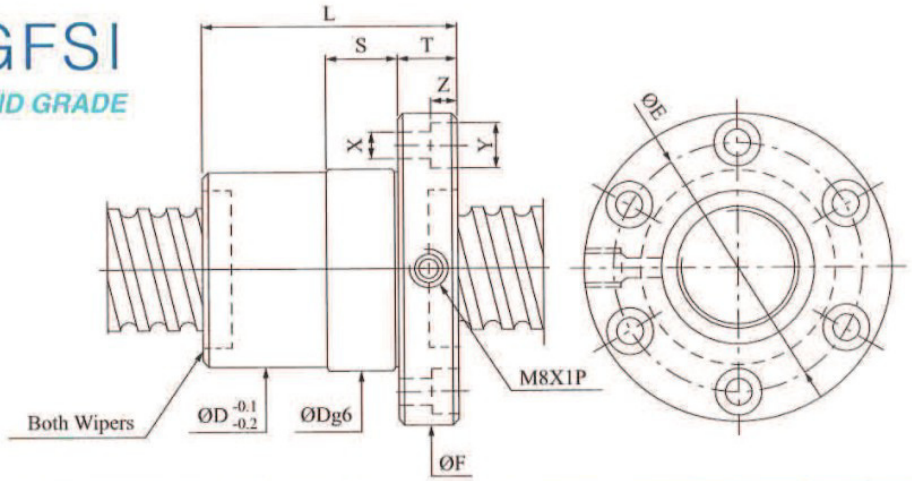


Nomenclature

	Internal Type Nomenclature R80 / 1 × 20T4 / 2 × FDI / 3 × 6000 / 4 × 7000 / 5 × C5 / 6	***External Type Nomenclature*** R80 / 1 × 20B3 / 2 × FDW / 3 × 6000 / 4 × 7000 / 5 × C5 / 6
1. Screw Denote	Ⓐ Direction of Turn : R : Right Hand L : Left Hand RL : Right and Left Hand on same screw Ⓑ Screw Shaft OD : 16, 20, 25, 32, 40, 50, 63, 80, 100	
2. Lead and Turns	Ⓐ Lead Metric : 5, 10, 16, 20 Ⓑ Circuits : T3 3 Turns of Balls per Nut T4 4 Turns of Balls per Nut T5 5 Turns of Balls per Nut T6 6 Turns of Balls per Nut	Ⓐ Lead Metric : 5, 10, 16, 20 Ⓑ Circuits : A. Per Circulate Has 1.5 Turns of Balls B. Per Circulate Has 2.5 Turns of Balls C. Per Circulate Has 3.5 Turns of Balls Ⓒ Numbers of Tubes Expressed By 1, 2, 3
3. Nut Shape	Ⓐ F : Flange Type Ⓑ S : Single Nut D : Double Nut Ⓒ I : Internal Deflector Nut	Ⓐ F : Flange Type Ⓑ S : Single Nut D : Double Nut Ⓒ W : Tubes within Nut Body
4. Thread Length	Unit: mm	
5. Overall Length	Unit: mm	
6. Accuracy Grade	Expressed by e300 C1 : 0.005 / C2 : 0.007 / C3 : 0.008 / C4 : 0.012 C5 : 0.018 / C6 : 0.023 / C7 : 0.50 / C10 : 0.120 Precision Ground Grade : C1 ~ C5 Rough Ground Grade : C5 ~ C7 Rolled Grade : C7 ~ C10	
7. Suitable for Use	○ Economical ○ Mass Production ○ High Lead ○ Two Starts ○ Larger external diameter of lead/Screw Shaft	

Type : GFSI

GROUND GRADE

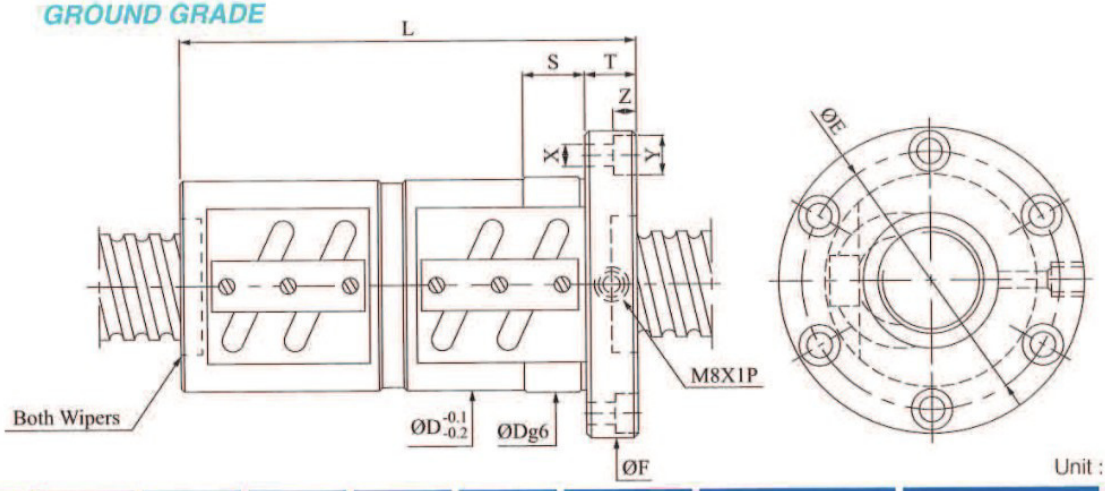


Unit : mm

Dimension		Ball Dia	Turns	Dynamic Load C 10 Revs. Kgf	Static Load Co Kgf	Stiffness Kgf/um	Nut		Flamge			Bolt			Compact Length
Nominal Dia.	Lead						Dg6	L	F	T	E	X	Y	Z	S
25	5	3.175	5	1510	3860	40	40	54	64	12	51	5.5	9.5	5.5	15
32	5	3.175	4	1810	5500	41	48	53	74	12	60	6.6	11	6.5	15
	6	3.969	4	2390	6700	42	48	61	74	12	60	6.6	11	6.5	15
40	10	6.350	4	4610	12300	50	65	93	106	18	84	11	18	11	20

Type : GFDW

GROUND GRADE

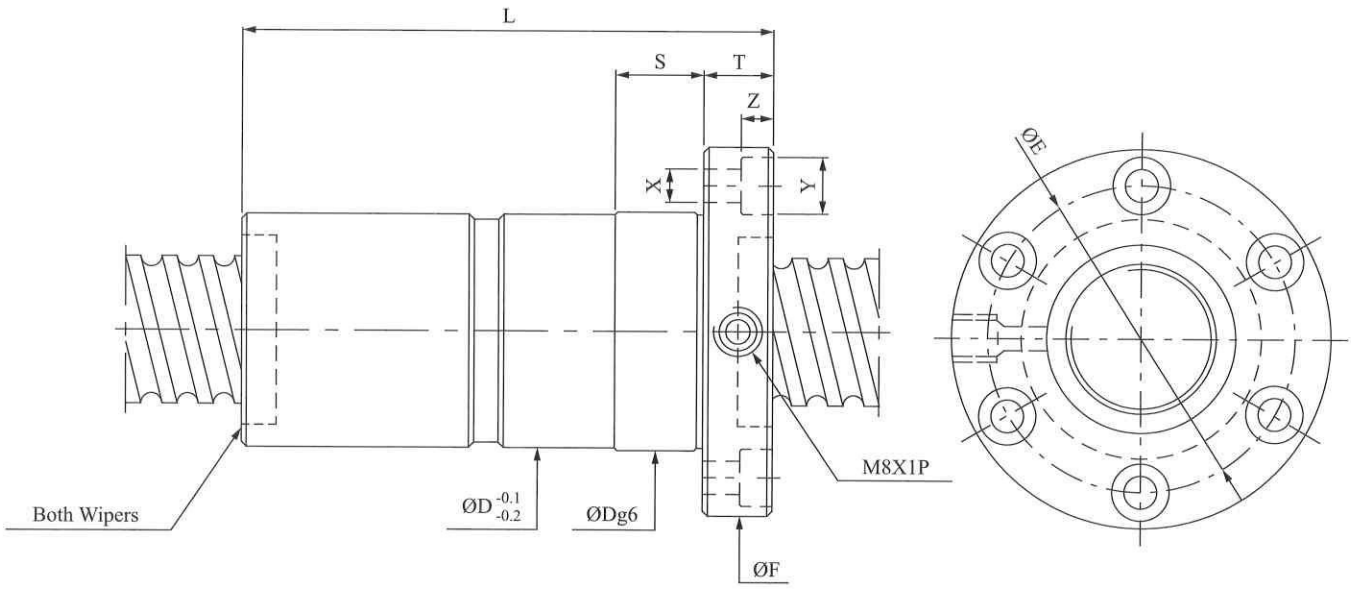


Unit : mm

Dimension		Ball Dia	Turns	Dynamic Load C 10 Revs. Kgf	Static Load Co Kgf	Stiffness Kgf/um	Nut		Flamge			Bolt			Compact Length
Nominal Dia.	Lead						Dg6	L	F	T	E	X	Y	Z	S
32	5	3.175	2.5×2	2345	6230	108	58	106	85	12	71	6.6	11	6.5	15
	16	6.350	2.5×1	4810	11120	59	74	130	108	16	90	9	14	8.5	15
40	5	3.175	2.5×2	2715	7780	130	67	110	101	15	83	9	14	8.5	20
	10	6.350	2.5×2	6615	15570	141	82	193	124	18	102	11	17.5	11	20
	12	7.938	2.5×2	8750	20500	144	86	227	128	18	106	11	17.5	11	20
50	6	3.969	2.5×2	5730	17190	234	84	164	118	15	100	9	14	8.5	16
	10	6.350	2.5×2	7480	19460	171	93	193	135	18	113	11	17.5	11	20

Type : GFDI

GROUND GRADE



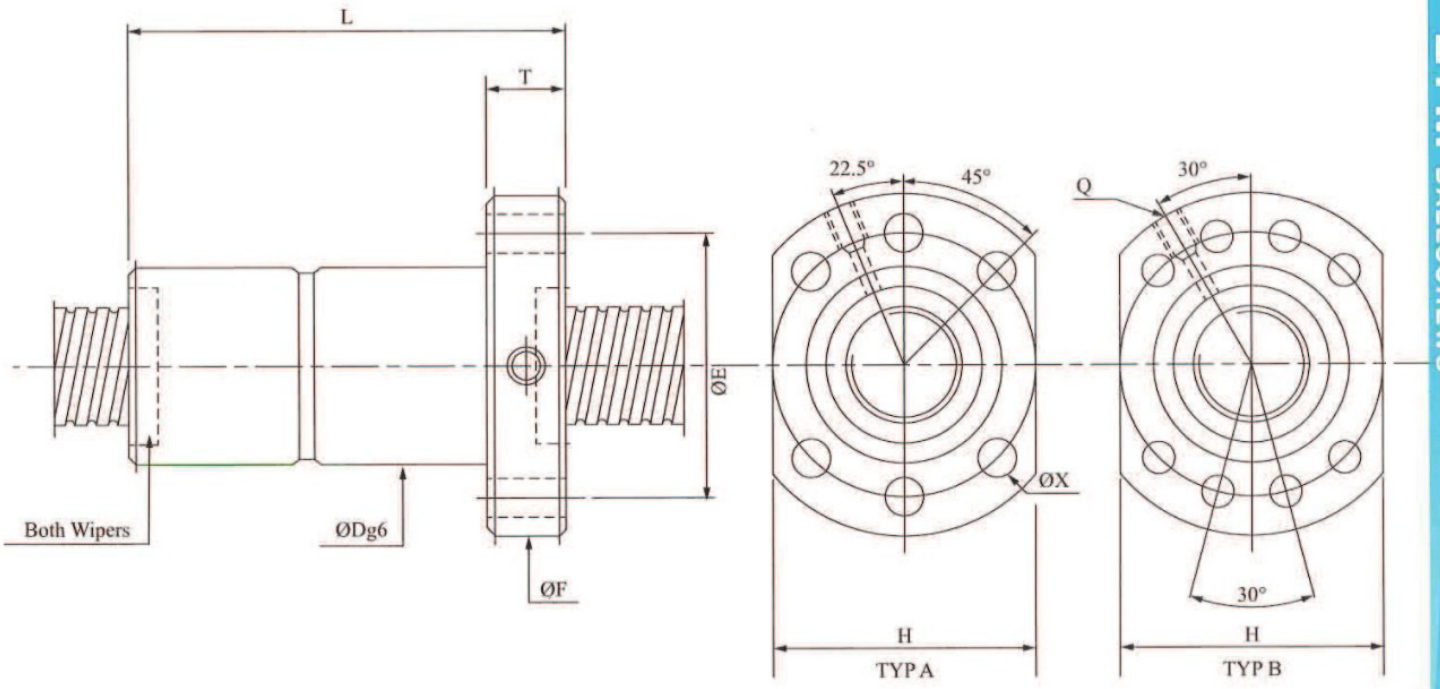
Unit : mm

Dimension		Ball Dia	Turns	Dynamic Load C 10 Revs. Kgf	Static Load Co Kgf	Stiffness Kgf/um	Nut		Flamge			Bolt			Compact Length
Nominal Dia.	Lead						Dg6	L	F	T	E	X	Y	Z	S
25	5	3.175	3	1210	2340	49	40	82	64	12	51	5.5	9.5	5.5	15
			4	1550	4100	64		92							
32	5	3.175	4	1810	5500	80	48	92	74	12	60	6.6	11	6.5	15
			5	2190	6900	99		112							
40	5	3.175	4	2060	7100	98	55	96	90	16	72	9	14	8.5	20
	8	4.763	4	2720	7590	102	63	136	108	15	88	9	14	8.5	20
	10	6.350	3	3600	9200	75	65	140	106	18	84	11	18	11	20
			4	4610	12300	99		160							
50	5	3.175	4	2320	9200	119	75	96	110	16	92	9	14	8.5	15
	10	6.350	4	5400	16400	122	75	160	116	18	94	11	17.5	11	20
			6	7660	24600	180		202							
63	10	6.350	5	7650	27750	190	88	162	134	20	110	14	20	13	20
			6	8970	33300	226		204							

Type : RFDI

ROLLED GRADE

(DIN 69051 part 5 form B)

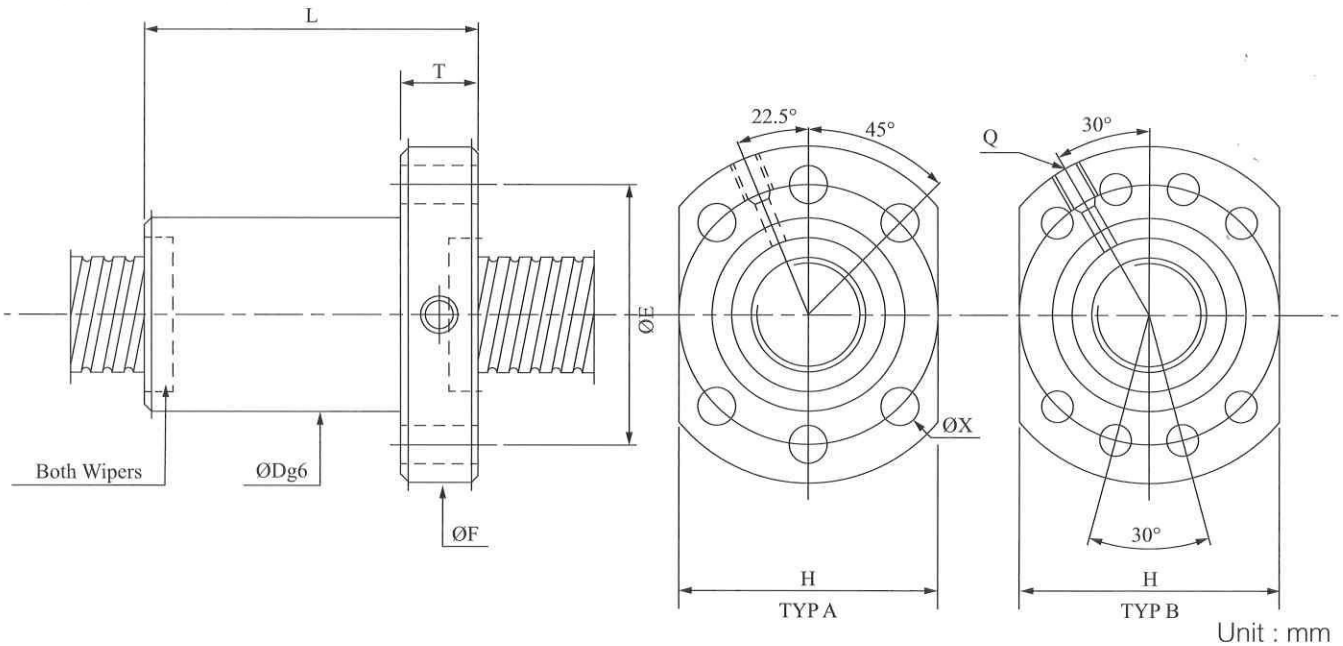


Unit : mm

Dimension		Ball Dia	Turns	Dynamic Load C 10 Revs. Kgf	Static Load Co Kgf	Type	Nut		Flamge			Bolt		
Nominal Dia.	Lead						Dg6	L	F	T	E	X	H	Q
25	5	3.175	4	1170	241	A	40	101	62	10	51	6.6	48	M6
32	5	3.175	4	1247	2799	A	50	102	80	12	65	9	62	M6
40	10	3.175	4	3865	9498	B	63	165	93	14	78	9	70	M8
50	10	6.350	4	4084	12275	B	75	171	110	16	93	11	85	M8
63	10	6.350	4	4917	16000	B	90	182	125	18	108	11	95	M8
80	10	6.350	4	5446	20616	B	105	182	145	20	125	13.5	110	M8

Type : RFSI

ROLLED GRADE
(DIN 69051 part 5 form B)



Unit : mm

Dimension		Ball Dia	Turns	Dynamic Load C 10 Revs. Kgf	Static Load Co Kgf	Type	Nut		Flamge			Bolt		
Nominal Dia.	Lead						Dg6	L	F	T	E	X	H	Q
16	4	2.380	3	650	1072	A	28	40	48	10	38	5.5	40	M6
	5	3.175	3	725	1256	A	28	40	48	10	38	5.5	40	M6
	5	3.175	4	880	1409	A	28	50	48	10	38	5.5	40	M6
20	5	3.175	5	1107	2139	A	36	51	58	10	47	6.6	44	M6
25	5	3.175	4	1240	2547	A	40	51	62	10	51	6.6	48	M6
	10	4.762	4	2100	3980	A	40	85	62	12	51	6.6	48	M6
32	5	3.175	4	1396	3699	A	50	52	80	12	65	9	62	M6
	10	6.350	3	2660	5441	A	50	80	80	12	65	9	62	M6
	10	6.350	4	3410	7225	A	50	90	80	12	65	9	62	M6
40	5	3.175	4	1560	4745	B	63	55	93	14	78	9	70	M8
	10	6.350	4	3865	9498	B	63	93	93	14	78	9	70	M8
50	10	6.350	4	4354	12275	B	75	93	110	16	93	11	85	M8
63	10	6.350	4	4815	15565	B	90	98	125	18	108	11	95	M8
80	10	6.350	4	5446	20616	B	105	98	145	20	125	13.5	110	M8
	20	9.525	3	8494	46199	B	125	143	165	25	145	13.5	130	M8

Shaft Dim. Tolerance

Unit : μm

OD (mm)		a	c	d	e	f		g		h						js		j		k		m		n		p		r		OD (mm)	
OVER	TO (MCL.)	a13	c12	d6	e6	f5	f6	g5	g6	h5	h6	h7	h8	h9	h10	js5	js6	j5	j6	k5	k6	m5	m6	n5	n6	p5	p6	r6	r7	OVER	TO (MCL.)
3	6	-270 -450	-70 -190	-30 -38	-20 -28	-10 -15	-10 -18	-4 -9	-4 -12	0 -5	0 -8	0 -12	0 -18	0 -30	0 -48	±2.5	±14.4	+3 -2	+6 -2	+6 +1	+9 +1	+9 +4	+12 +4	+13 +8	+16 +8	+17 +12	+20 +12	+23 +15	+27 +15	3	6
6	10	-280 -500	-80 -230	-40 -49	-25 -34	-13 -19	-13 -22	-5 -11	-5 -14	0 -6	0 -9	0 -15	0 -22	0 -36	0 -58	±3	±4.5	+4 -2	+7 -2	+7 +1	+10 +1	+12 +6	+15 +6	+16 +10	+19 +10	+21 +15	+24 +15	+28 +19	+34 +19	6	10
10	14	-290 -560	-95 -275	-50 -61	-32 -43	-16 -24	-16 -27	-6 -14	-6 -17	0 -8	0 -11	0 -18	0 -27	0 -43	0 -70	±4	±5.5	+5 -3	+8 -3	+9 +1	+12 +1	+15 +7	+18 +7	+20 +12	+23 +12	+26 +18	+29 +18	+34 +23	+41 +23	10 14	14 18
14	18																														
18	24	-300 -630	-110 -320	-65 -78	-40 -53	-20 -29	-20 -33	-7 -16	-7 -20	0 -9	0 -13	0 -21	0 -33	0 -52	0 -84	±4.5	±6.5	+5 -4	+9 -4	+11 +2	+15 +2	+17 +8	+21 +8	+24 +15	+28 +15	+31 +22	+35 +22	+41 +28	+49 +28	18 24	24 30
24	30																														
30	40	-310 -700	-120 -370	-80	-50	-25	-25	-19	-9	0	0	0	0	0	0	±5.5	±8	+6 -5	+11 -5	+13 +2	+18 +2	+20 +9	+25 +9	+28 +17	+33 +17	+37 +26	+42 +26	+50 +34	+59 +34	30 40	40 50
40	50	-320 -710	-130 -380	-96	-66	-36	-41	-20	-25	-11	-16	-25	-39	-62	-100																
50	65	-340 -800	-140 -440	-110	-60	-30	-30	-10	-10	0	0	0	0	0	0	±6.5	±9.5	+6 -7	+12 -7	+15 +2	+21 +2	+24 +11	+30 +11	+33 +20	+39 +20	+45 +32	+51 +30	+60 +41 +62 +43	+71 +41 +73 +43	50 65	65 80
65	80	-360 -820	-150 -450	-119	-79	-43	-49	-23	-29	-13	-19	-30	-46	-74	-120																
80	100	-380 -920	-170 -520	-120	-72	-36	-36	-12	-12	0	0	0	0	0	0	±7.5	±11	+6 -9	+13 -9	+18 +3	+25 +3	+28 +13	+35 +13	+38 +23	+45 +23	+52 +37	+59 +37	+73 +51 +76 +54	+86 +51 +89 +54	80 100	100 120
100	120	-410 -950	-180 -530	-142	-94	-51	-58	-27	-34	-15	-22	-35	-54	-87	-140																
120	140	-460 -1090	-200 -600	-145 -170	-85 -110	-43 -61	-43 -68	-14 -32	-14 -39	0 -18	0 -25	0 -40	0 -63	0 -100	0 -160	± 9	±12.5	+7 -11	+14 -11	+21 +3	+28 +3	+33 +15	+40 +15	+45 +27	+52 +27	+61 +43	+68 +43	+88 +63 +90 +65	+103 +63 +105 +65	120 140	140 160
140	160	-520 -1150	-210 -610																												
160	180	-580 -1210	-230 -630																									+93 +68	+108 +68	160	180
180	200	-660 -1380	-240 -700	-170	-100	-50	-50	-15	-15	0	-0	0	0	0	0	±10	±14.5	+7 -13	+16 -13	+24 +4	+33 +4	+37 +17	+46 +17	+51 +31	+60 +31	+70 +50	+79 +50	+106 +77 +109 +80	+123 +77 +126 +80	180 200	200 225
200	225	-740 -1460	-260 -720	-199	-129	-70	-79	-35	-44	-20	-29	-46	-72	-115	-185																

Housing Hole Dim. Tolerance

Unit : μ m

OD (mm)		E		F			G		H						Js		J		K		M		N		P		R		OD (mm)	
OVER	TO (MCL.)	E10	E11	F6	F7	F8	G6	G7	H5	H6	H7	H8	H9	H10	Js6	Js7	J6	J7	K6	K7	M6	M7	N6	N7	P6	P7	R6	R7	OVER	TO (MCL.)
3	6	+68 +20	+95 +20	+18 +10	+22 +10	+28 +10	+12 +4	+16 +4	+5 0	+8 0	+12 0	+18 0	+30 0	+48 0	±4	±6	+5 -3	+6 -6	+2 -6	+3 -9	-1 -9	0 -12	-5 -13	-4 -16	-9 -17	-8 -20	-12 -20	-11 -23	3	6
6	10	+83 +25	+115 +25	+22 +13	+28 +13	+35 +13	+14 +5	+20 +5	+6 0	+9 0	+15 0	+22 0	+36 0	+58 0	±4.5	±7.5	+5 -4	+8 -7	+2 -7	+5 -10	-3 -12	0 -15	-7 -16	-4 -19	-12 -24	-9 -24	-16 -25	-13 -28	6	10
10	14	+102 +32	+142 +32	+27 +16	+34 +16	+43 +16	+17 +6	+24 +6	+8 0	+11 0	+18 0	+27 0	+43 0	+70 0	±5.5	±9	+6 -5	+10 -8	+2 -9	+6 -12	-4 -15	0 -18	-9 -20	-5 -23	-15 -26	-11 -29	-20 -31	-16 -34	10	14
14	18																												14	18
18	24	+124 +40	+170 +40	+33 +20	+41 +20	+53 +20	+20 +7	+28 +7	+9 0	+13 0	+21 0	+33 0	+52 0	+84 0	±6.5	±10.5	+8 -5	+12 -9	+2 -11	+6 -15	-4 -17	0 -21	-11 -24	-7 -28	-18 -31	-14 -35	-24 -37	-20 -41	18	24
24	30																												24	30
30	40	+150 +50	+210 +50	+41 +25	+50 +25	+64 +25	+25 +9	+34 +9	+11 0	+16 0	+25 0	+39 0	+62 0	+100 0	±8	±12.5	+10 -6	+14 -11	+3 -11	+7 -18	-4 -20	0 -25	-12 -28	-8 -33	-21 -37	-17 -42	-29 -45	-25 -50	30	40
40	50																												40	50
50	65	+180 +60	+250 +60	+49 +30	+60 +30	+76 +30	+29 +10	+40 +10	+13 0	+19 0	+30 0	+46 0	+74 0	+120 0	±9.5	±15	+13 -6	+18 -12	+4 -15	+9 -21	-5 -24	0 -30	-14 -33	-9 -39	-26 -45	-21 -51	-35 -54	-30 -60	50	65
65	80																										-37 -56	-32 -62	65	80
80	100	+212 +72	+292 +72	+58 +36	+71 +36	+90 +36	+34 +12	+47 +12	+15 0	+22 0	+35 0	+54 0	+87 0	+140 0	±11	±17.5	+16 -6	+22 -13	+4 -18	+10 -25	-6 -28	0 -35	-16 -38	-10 -45	-30 -52	-24 -59	-44 -66	-38 -73	80	100
100	120																										-47 -69	-41 -76	100	120
120	140	+245 +85	+335 +85	+68 +43	+83 +43	+106 +43	+39 +14	+54 +14	+18 0	+25 0	+40 0	+63 0	+100 0	+160 0	±12.5	±20	+18 -7	+26 -14	+4 -21	+12 -28	-8 -33	0 -40	-20 -45	-12 -52	-36 -61	-28 -68	-56 -81	-48 -88	120	140
140	160																										-58 -83	-50 -90	140	160
160	180																										-61 -86	-53 -93	160	180
180	200	+285 +100	+390 +100	+79 +50	+96 +50	+122 +50	+44 +15	+61 +15	+20 0	+29 0	+46 0	+72 0	+115 0	+185 0	±14.5	±23	+22 -7	+30 -16	+5 -24	+13 -33	-8 -37	0 -46	-22 -51	-14 -60	-41 -70	-33 -79	-68 -97	-61 -106	180	200
200	225																										-71 -100	-63 -109	200	225

Hardness Conversion Table

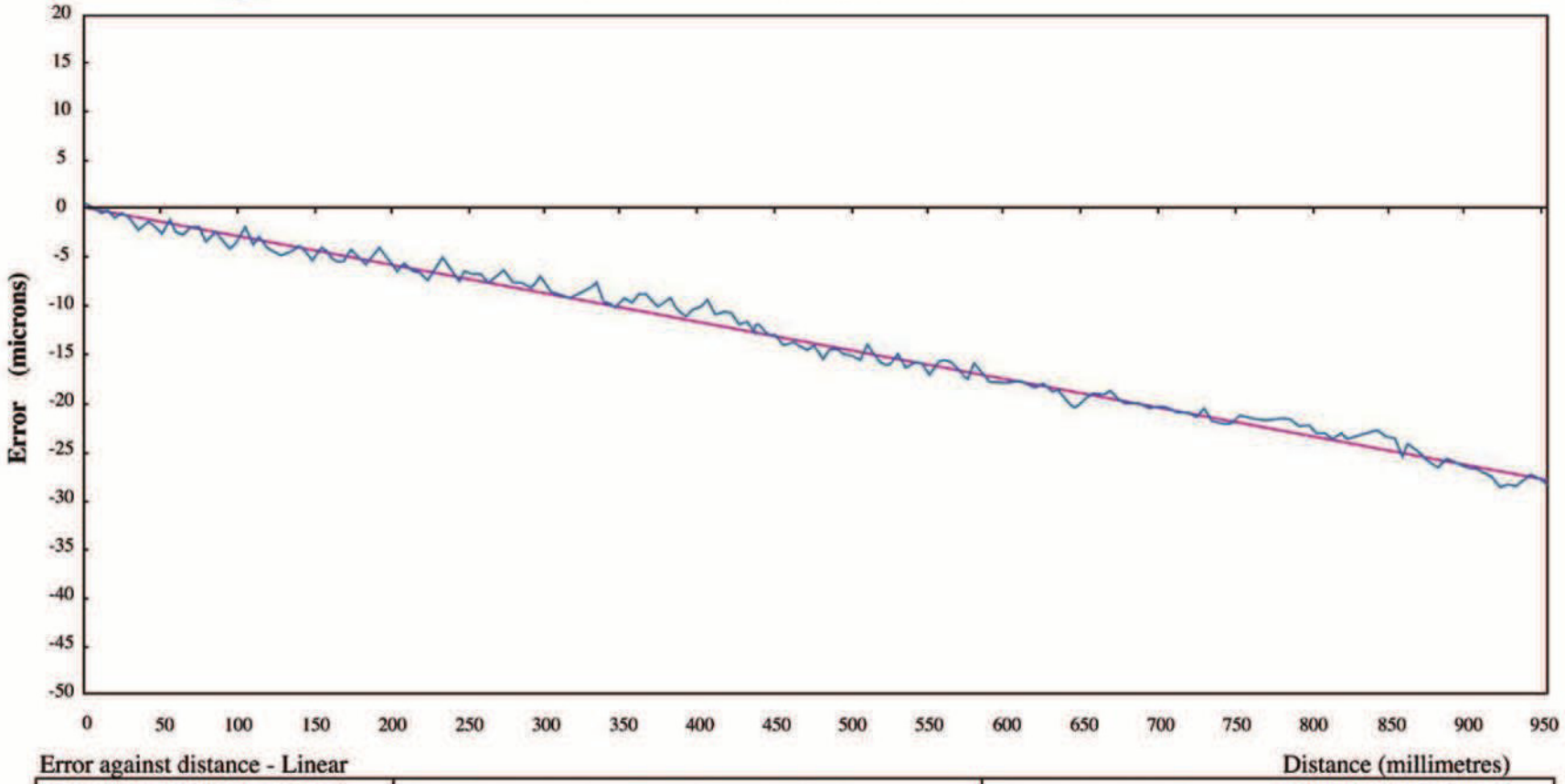
Hardness Conversion Table

ROCK WELL	VICKERS	BRINELL		ROCK WELL		SHORE
HRC 1417 N(150kgf)	HV	STANDARD BALL	300kgf 10mm STEEL BALL	HRA 588.4N(60kgf)	HRB 980.7N(100kgf)	
68	940			85.6		97
67	900			85.0		95
66	865			84.5		92
65	832		739	83.9		91
64	800		722	83.4		88
63	772		705	82.8		87
62	746		688	82.3		85
61	720		670	81.8		83
60	697		654	81.2		81
59	674		634	80.7		80
58	653		615	80.1		78
57	633		595	79.6		76
56	613		577	79.0		75
55	595	-	560	78.5		74
54	577	-	543	78.0		72
53	560	-	525	77.4		71
52	544	500	512	76.8		69
51	528	487	496	76.3		68
50	513	475	481	75.9		67
49	498	464	469	75.2		66
48	484	451	455	74.7		64
47	471	442	443	74.1		63
46	458	432		73.6		62
45	446	421		73.1		60
44	434	409		72.5		58
43	423	400		72.0		57
42	412	390		71.5		56
41	402	381		70.9		55
40	392	371		70.4	-	54
39	382	362		69.9	-	52
38	372	353		69.4	-	51
37	363	344		68.9	-	50
36	354	336		68.4	(109.0)	49
35	345	327		67.9	(108.5)	48
34	336	319		67.4	(108.0)	47
33	327	311		66.8	(107.5)	46
32	318	301		66.3	(107.0)	44
31	310	294		65.8	(106.0)	43
30	302	286		65.3	(105.5)	42
29	294	279		64.7	(104.5)	41
28	286	271		64.3	(104.0)	41
27	279	264		63.8	(103.0)	40
26	272	258		63.8	(102.5)	38
25	266	253		62.8	(105.5)	38
24	260	247		62.4	(101.0)	37
23	254	243		62.0	100.0	36
22	248	237		61.5	99.0	35
21	243	231		61.0	98.5	35
20	238	226		60.5	97.8	34
(18)	230	219		-	96.7	33
(16)	222	212		-	95.5	32
(14)	213	203		-	93.9	31
(12)	204	194		-	92.3	29
(10)	196	187			90.7	28
(8)	188	179			89.5	27
(6)	180	171			87.1	26
(4)	173	165			85.5	25
(2)	166	158			83.5	24
(0)	160	152			81.7	24

LTM BALLSCREWS COMPANY

LEAD ERROR CERTIFICATE

INSPECTED BY RENISHAW U.K. LASER SYSTEM



Serial No : 21073-1-3	Cumulative representative lead T±E : -27.7 μ m	Accuracy grade : C1
Date : 2012.03.30	Total relative deviation e : 4.7 μ m	INSPECTOR
Trigger step :5 mm	Lead deviation in random 300mm e_{300} : 4.2 μ m	

Inspecting Report

Inspecting Report

SINCE 1979
LTM LEADTEAM
A Subsidiary of Deams Group

LTM BALLSCREWS CO.

INSPECTION CERTIFICATE

CUSTOMER: 律德精密股份有限公司

PURCHASE ORDER: 566586

I.D. NUMBER: 99175- 1- 1

DRAWING NUMBER: 11600900

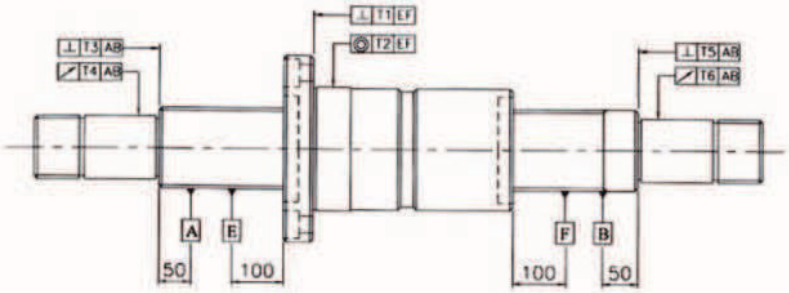
WE HEREBY CERTIFY THAT ACCURACY HEREIN DESCRIBED IS SATISFACTORY AND IN ACCORDANCE WITH THE SPECIFICATION

SPECIFICATION: R40×10B2×FDV×1329× 1617.50× 0.018/C5

Eric Yang

DATE: 2012/03/30

ERIC C.M. YANG / Q.C. MANAGER



GEOMETRICAL	STANDARD	ACTUAL	DIMENSIONAL	STANDARD	ACTUAL
T1	0.013	0.008	1.	$\phi 30^{0}_{-0.011}$	ϕ30-0.008
T2	0.019	0.012	2.	$\phi 30^{0}_{-0.011}$	ϕ30-0.010
T3	0.010	0.002	3.	$\phi 25^{0}_{-0.013}$	ϕ25-0.005
T4	0.015	0.009	4.		
T5	0.010	0.003	5.		
T6	0.015	0.007	6.	$\phi 65^{-0.010}_{-0.029}$	ϕ65-0.018

INSPECTED BY RENISHAW U.K. LASER SYSTEM	ALLOWABLE	ACTUAL
REPRESENTATIVE ACCUMULATED LEAD T±E (μm)	-26±54	-28
LEAD VARIATION WITHIN EFFECTIVE STROKE e (μm)	35	9
THE LEAD VARIATION IN RANDOM 300 mm e_{300} (μm)	18	5
PRELOAD TORQUE (WITHOUT WIPER) Tp (kgf-cm)	5.95~11.05	5.9~8.0
ACCURACY GRADE PER RELEASED ORDER	C5	C2

文件編號:10-40-07

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LTM LEADTEAM
A Subsidiary of Deans Group

LTM BALLSCREWS CO.

STRUCTURE & HARDNESS CERTIFICATE

CUSTOMER: 祚德精密股份有限公司

PURCHASE ORDER: 566586

DRAWING NUMBER: 11600900

SPECIFICATION: R40×10B2×FDV×1329×1617.50×0.018/C5

DATE: 2012/03/30

I.D. NUMBER : 99175-1-1

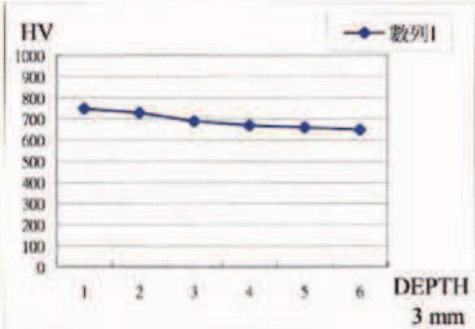
WE HEREBY CERTIFY THAT STRUCTURE PICTURE AND HARDNESS READINGS HEREIN DESCRIBED ARE SATISFACTORY AND IN ACCORDANCE WITH THE SPECIFICATION

Eric Yang

ERIC C.M.YANG / Q.C.MANAGER

THE LEFT PICTURE SHOWN THE MICRO-STRUCTURE OF THE PORTION THOSE ARE M-F INDUCTION HARDENED AND TEMPERED.

THE CORE OF THE SCREW BARS ARE PREHEATED (QUENCHED+TEMPERED).



HARDNESS / DEPTH DISTRIBUTION

POINT	READINGS	POINT	READINGS
1.	750	4.	670
2.	730	5.	660
3.	690	6.	650

SINCE 1979

文件編號：10-40-07

www.tuv.com
TÜVRheinland®
ID:1100008823

CERTIFICATE

The Certification Body of TÜV Rheinland Group

certifies, in accordance with the TÜV Rheinland Group procedures, that the Company

Leadteam Ballscrews Company
No. 464, Sec. 3, Chung Shan Rd., Tan-Tzu Hsiang,
Taichung County 427, Taiwan, R.O.C.

has established and applies a quality management system

for the following scope :

Design/Development, Manufacturing and Sales of Ballscrews

Through an Audit, Report No. 008823, proof has been furnished

that the requirements according to the standard

ISO 9001:2008

are fulfilled.

The certificate is valid from 2010-09-01

The certificate is valid until 2013-08-31

Certificate Registration No. 01 100 822 008823/01

IAF MEMBER OF MULTILATERAL RECOGNITION ARRANGEMENT
QMS 010

TAF
Quality Management
QC010

TÜV Rheinland Taiwan Ltd.
7F, No. 2, Sec. 3, Min Chuan E. Rd.,
Taipei 104, Taiwan

TÜV Rheinland Group
Taipei, 2010/11/30

www.tuv.com

TÜVRheinland®
Precisely Right.

台灣精品證書

CERTIFICATE OF EXCELLENCE

茲證明 律廷科技股份有限公司
所生產之 滾珠螺桿系列 FSI / FDW

業經台灣精品評審委員會審慎評定，其研發創新、設計與創新、品質系統、市場及品牌認知均臻評審標準，對提昇我國產品整體形象裨益極大，本部特准予前述產品使用「台灣精品標誌」 及標語「台灣精品」 " IT'S VERY WELL MADE IN TAIWAN " 。

Whereas ballscrew series FSI / FDW

has met the requirements for R&D / innovation, design and innovation, quality systems, market and brand awareness as promulgated by the Republic of China Symbol of Excellence Selection Committee; therefore, the ministry bestows upon Continental Ballscrews Inc.

the right to display the Symbol of Excellence and employ the " IT'S VERY WELL MADE IN TAIWAN " tagline on the said product. In evidence of the award, by the resolution of the Committee, we affix our signatures below on

January 2, 2004

經濟部部長

Yi-Fu, Lin
Minister of Economic Affairs
Republic of China

評審小組召集人

林英峰
Ing feng Lin

Prof. Ing Feng Lin
Chairman,
Symobl of Excellence
Judges' Panel

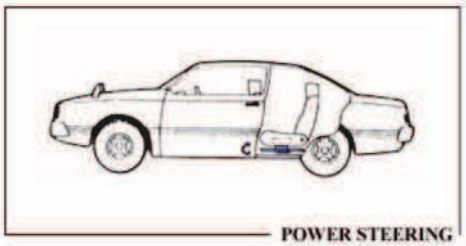
中華民國 九十三年一月二日

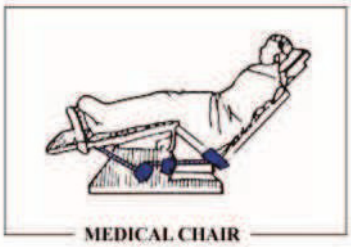
編號/NO 093079BZ-C065

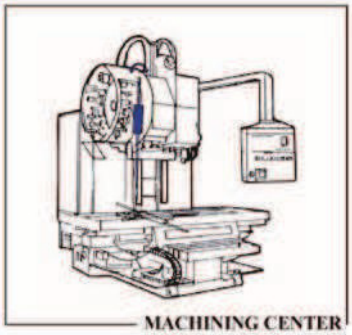
Certificate of Excellence

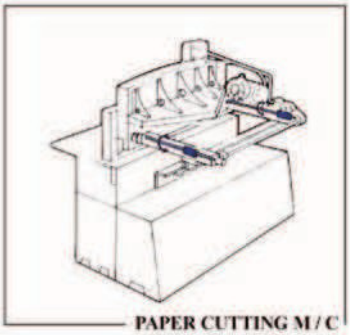
Certificate of Excellence

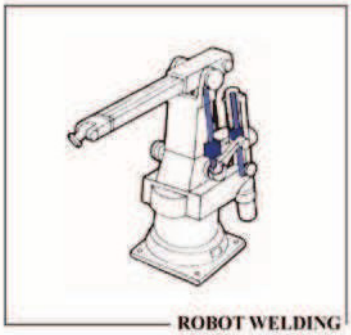
Ballscrew Applications

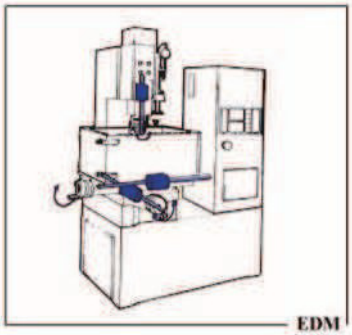

POWER STEERING

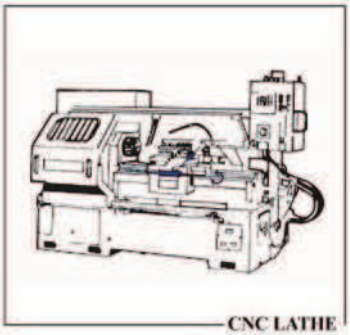

MEDICAL CHAIR


MACHINING CENTER

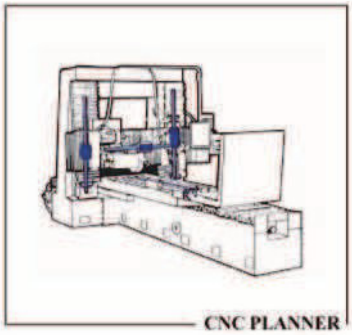

PAPER CUTTING M / C


ROBOT WELDING

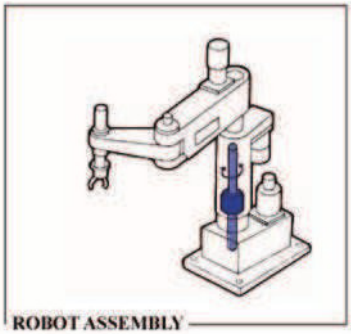

EDM

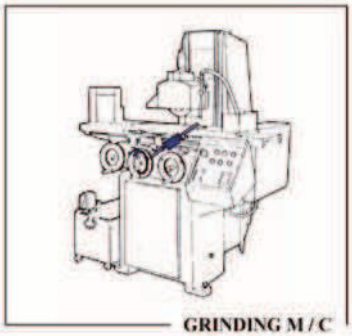

CNC LATHE


MILLING M / C


CNC PLANNER


LATHE


ROBOT ASSEMBLY


GRINDING M / C


LANUCH PLATFORM


ANTENNA ACTUATOR

Customer Questionnaire

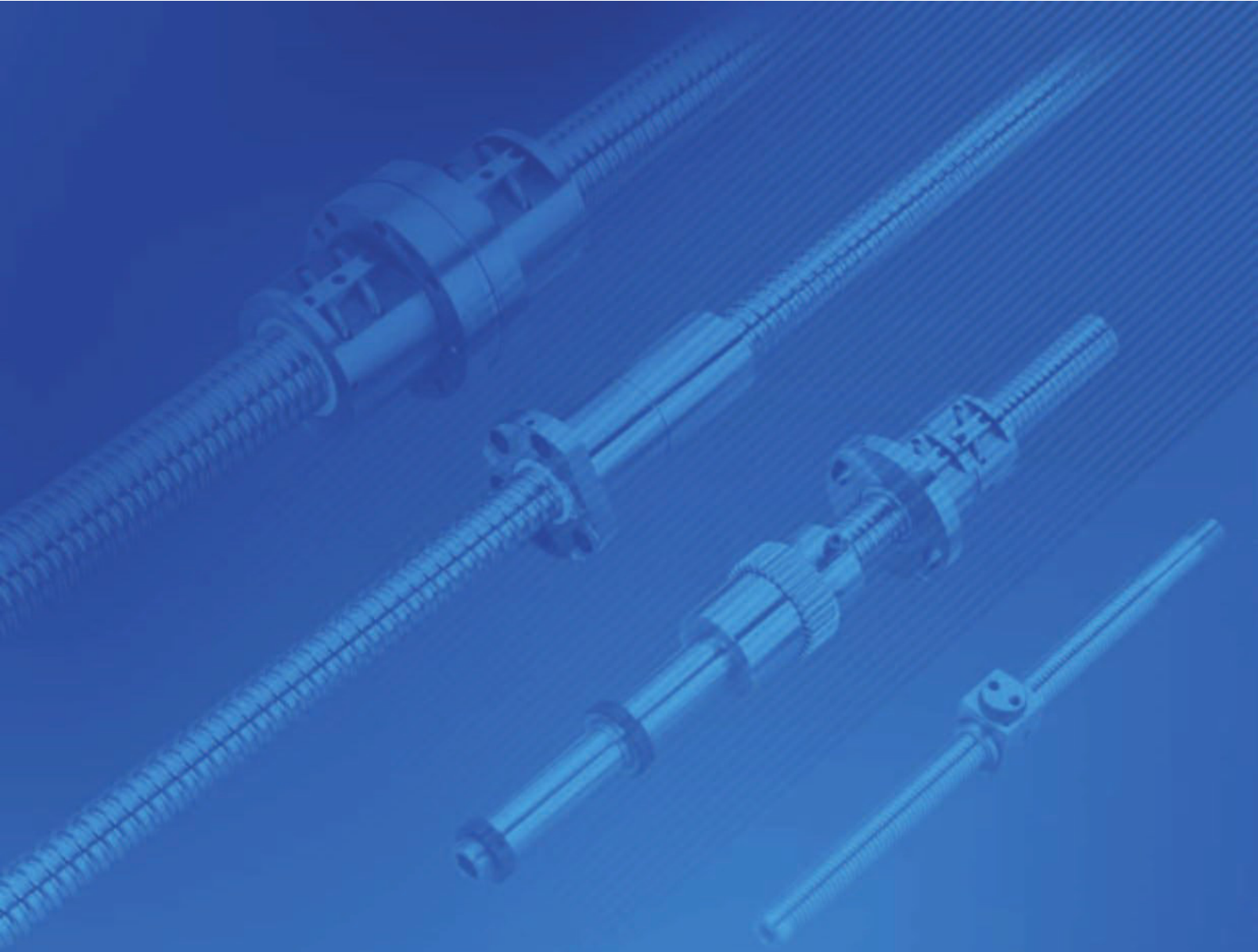
Date: _____

Customer: _____ Machine Type: _____

Picture #: _____ Yearly Usage: _____

1.Circulation Type	☐External Tube Type ☐Internal Tube Type ☐Endcap ☐Others		
2.Machine Type	☐CNC Lathe ☐CNC Milling M/C ☐CNC Grinding M/C ☐CNC Planne ☐Traditional not CNC ☐Others		
3.Load	☐Heavy Load _____ kgf ☐Medium Load _____ kgf ☐Light Load _____ kgf		
4.Preload	_____ kgf	5.Ball Size	_____ mm
6.Screw	Outer Dia: _____ mm ; Thread Length: _____ mm ; Total Length: _____ mm		
7.Nut	Shaft OD.: _____ mm ; Lead : _____ mm ; Accuracy: _____		
8.Max Rpm	_____ rpm ◎Sound: _____ dB		
9.New Developing Machine or Used Other Specification			

Signature: _____



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LEADTEAM

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