

norelem moves

Systems and components for machine and plant construction

24000

Trapezoidal thread spindles
Ball screw linear actuators
Bearings units
Splined shafts



24000
Page 686



24010
Page 694



Trapezoidal thread spindles
single-start, RH or LH thread

24001
Page 687



Splined shafts
similar to DIN ISO 14

24011
Page 695



Trapezoidal thread spindles
double-start, RH thread

24003
Page 689



Splined hubs round
similar to DIN ISO 14

24011-01
Page 696



Trapezoidal thread nuts, round
single-start, RH or LH thread

24004
Page 690



Splined hubs with flange
similar to DIN ISO 14

24055
Page 699



Trapezoidal thread nuts, round
double-start, RH thread

24005
Page 691



Ball screw linear actuators
rolled, with flange nut DIN 69051 Part 5

24060
Page 700



Trapezoidal thread flange nuts
single-start, RH or LH thread

24006
Page 692



Ball screw linear actuators
rolled, with screw-in cylinder nut

24070
Page 701



Trapezoidal thread nuts with flange
double-start, RH thread

24007
Page 693



Housings
for flange nuts

24072
Page 702



Trapezoidal thread nuts, hexagon
single-start, RH or LH thread

Fixed bearing units

24074
Page 703



Floating bearing units

24076
Page 705



Fixed bearing units
block version

24078
Page 706



Floating bearing units
block version

24078-01
Page 707



Fixed bearing units
block version

24078-02
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Floating bearing units
block version

24080
Page 709



Fixed bearing units
flange version

24082
Page 710



Floating bearing units
flange version

24100
Page 712



Miniature ball screw linear actuators
ground, with flange nut

24105
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Miniature ball screw linear actuators
ground, with screw-in cylinder nut

24200
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Pillow block bearing pedestal type UCP

24210
Page 717



Pillow block bearing flange type UCF

24212
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Pillow block bearing flange type UCFC
with centring hub

24215
Page 719



Pillow block bearing flange type UCFL
2-hole

24225
Page 720



Pillow block bearing pedestal type BPP

24230
Page 721



Insert bearing UC

24235
Page 722



Insert bearing B

24240
Page 723



Pillow block bearing pedestal type MUCP
stainless steel

24240-01
Page 724

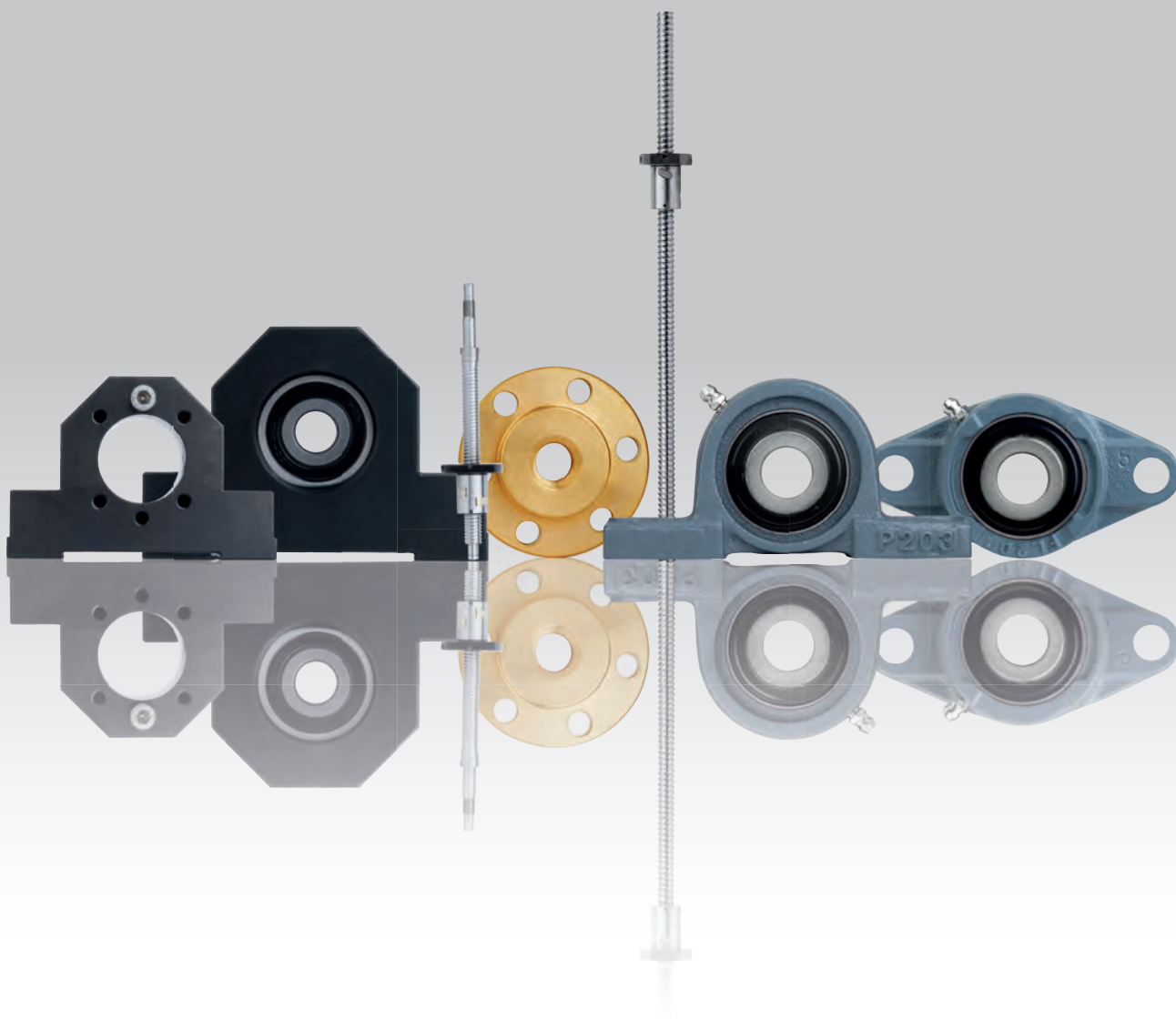


Pillow block bearing pedestal type

+ New/Expanded Items

24000

Trapezoidal thread spindles
Ball screw linear actuators
Bearings units
Splined shafts



Trapezoidal thread spindles

single-start, RH or LH thread



Material:

Steel 1.0401 (C15) or stainless steel 1.4301 (whirled spindles stainless steel 1.4305).

Version:

Steel rolled, bright.
Stainless steel up to Tr 40x7 rolled, above this whirled, bright.

Sample order:

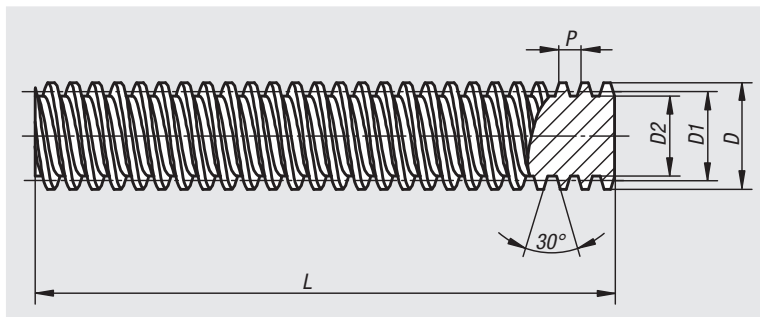
nlm 24000-100311X1000

Note:

Rollled, high precision trapezoidal thread spindles. ISO trapezoidal thread based on DIN 103.

The trapezoidal thread spindle is a transmission thread with relatively high friction. Standard thread forms are self-locking. This has the advantage that they generally do not need to be secured in the rest position.

Tolerance class 7e
Pitch precision 0.3/300 mm
Length sawed with excess, ends not deburred.



Order No. RH-thread rolled	Order No. LH-thread rolled	Main material	DxP	D1 min.	D1 max.	D2	L
24000-081511X1000	24000-081521X1000	mild steel	Tr 8x1,5	7,013	7,183	5,921	1000
24000-100211X1000	24000-100221X1000	mild steel	Tr 10x2	8,739	8,929	7,191	1000
24000-100311X1000	24000-100321X1000	mild steel	Tr 10x3	8,191	8,415	5,84	1000
24000-120311X1000	24000-120321X1000	mild steel	Tr 12x3	10,191	10,415	7,84	1000
24000-140311X1000	24000-140321X1000	mild steel	Tr 14x3	12,191	12,415	10,135	1000
24000-140411X1000	24000-140421X1000	mild steel	Tr 14x4	11,640	11,905	8,8	1000
24000-160411X1000	24000-160421X1000	mild steel	Tr 16x4	13,640	13,905	10,8	1000
24000-180411X1000	24000-180421X1000	mild steel	Tr 18x4	15,640	15,905	12,8	1000
24000-200411X1000	24000-200421X1000	mild steel	Tr 20x4	17,640	17,905	14,8	1000
24000-240511X1000	24000-240521X1000	mild steel	Tr 24x5	21,094	21,394	17,5	1000
24000-260511X1000	24000-260521X1000	mild steel	Tr 26x5	23,094	23,394	19,5	1000
24000-280511X1000	24000-280521X1000	mild steel	Tr 28x5	25,049	25,390	21,5	1000
24000-300611X1000	24000-300621X1000	mild steel	Tr 30x6	26,547	26,882	21,9	1000
24000-320611X1000	24000-320621X1000	mild steel	Tr 32x6	28,547	28,882	23,9	1000
24000-360611X1000	24000-360621X1000	mild steel	Tr 36x6	32,547	32,882	27,9	1000
24000-400711X1000	24000-400721X1000	mild steel	Tr 40x7	36,020	36,375	30,5	1000
24000-440711X1000	24000-440721X1000	mild steel	Tr 44x7	40,020	40,375	34,5	1000
24000-500811X1000	24000-500821X1000	mild steel	Tr 50x8	45,468	45,868	39,3	1000
24000-081512X1000	24000-081522X1000	stainless steel	Tr 8x1,5	7,013	7,183	5,921	1000
24000-100212X1000	24000-100222X1000	stainless steel	Tr 10x2	8,739	8,929	7,191	1000
24000-100312X1000	24000-100322X1000	stainless steel	Tr 10x3	8,191	8,415	5,84	1000
24000-120312X1000	24000-120322X1000	stainless steel	Tr 12x3	10,191	10,415	7,84	1000
24000-140312X1000	24000-140322X1000	stainless steel	Tr 14x3	12,191	12,415	10,135	1000
24000-140412X1000	24000-140422X1000	stainless steel	Tr 14x4	11,640	11,905	8,8	1000
24000-160412X1000	24000-160422X1000	stainless steel	Tr 16x4	13,640	13,905	10,8	1000
24000-180412X1000	24000-180422X1000	stainless steel	Tr 18x4	15,640	15,905	12,8	1000
24000-200412X1000	24000-200422X1000	stainless steel	Tr 20x4	17,640	17,905	14,8	1000
24000-240512X1000	24000-240522X1000	stainless steel	Tr 24x5	21,094	21,394	17,5	1000
24000-260512X1000	24000-260522X1000	stainless steel	Tr 26x5	23,094	23,394	19,5	1000
24000-280512X1000	24000-280522X1000	stainless steel	Tr 28x5	25,049	25,390	21,5	1000
24000-300612X1000	24000-300622X1000	stainless steel	Tr 30x6	26,547	26,882	21,9	1000
24000-320612X1000	24000-320622X1000	stainless steel	Tr 32x6	28,547	28,882	23,9	1000
24000-360612X1000	24000-360622X1000	stainless steel	Tr 36x6	32,547	32,882	27,9	1000
24000-400712X1000	24000-400722X1000	stainless steel	Tr 40x7	36,020	36,375	30,5	1000

Order No. RH-thread whirled	Order No. LH-thread whirled	Main material	DxP	D1 min.	D1 max.	D2	L
24000-440712X1000	24000-440722X1000	stainless steel	Tr 44x7	40,020	40,375	34,5	1000
24000-500812X1000	24000-500822X1000	stainless steel	Tr 50x8	45,468	45,868	39,3	1000

Trapezoidal thread spindles

double-start, RH thread



Material:

Low-carbon steel 1.0401 (C15) or stainless steel 1.4301.

Version:

Steel, rolled, bright.

Stainless steel, rolled, bright.

Sample order:

nIm 24001-120611X1000

Note:

Rolled trapezoidal thread spindles with high precision.
ISO trapezoidal thread based on DIN 103.

The feed movement is twice as high with double-start spindles as it is with single-start trapezoidal thread spindles. There is no self-locking due to the high pitch.

Description of a double-start thread drive based on Tr 12x6 P3.

Tr = trapezoidal thread.

12 = OD.

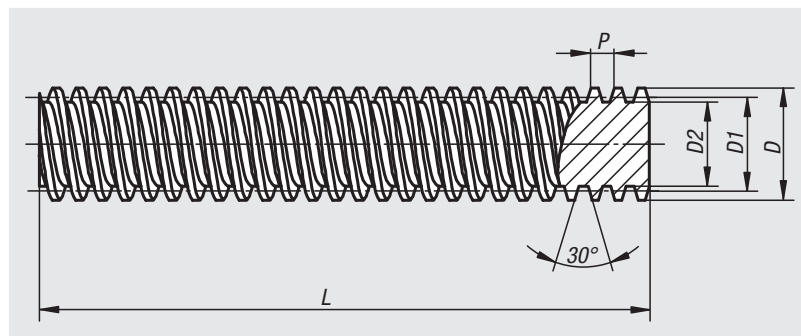
6 = Thread pitch (axial movement after one rotation).

P3 = distance between the two threads.

Tolerance class 7e

Pitch precision 0.3/300 mm

Length sawed with excess, ends not deburred.



Order No.	Main material	DxP	D1 min.	D1 max.	D2	L
24001-120611X1000	mild steel	Tr 12x6 P3	10,191	10,415	7,84	1000
24001-160811X1000	mild steel	Tr 16x8 P4	13,640	13,905	10,8	1000
24001-200811X1000	mild steel	Tr 20x8 P4	17,640	17,905	14,8	1000
24001-241011X1000	mild steel	Tr 24x10 P5	21,094	21,394	17,5	1000
24001-301211X1000	mild steel	Tr 30x12 P6	26,547	26,882	21,9	1000
24001-401411X1000	mild steel	Tr 40x14 P7	36,020	36,375	30,5	1000
24001-060212X1000	stainless steel	Tr 6x2 P1	5,287	5,437	4,461	1000
24001-120612X1000	stainless steel	Tr 12x6 P3	10,191	10,415	7,84	1000
24001-160812X1000	stainless steel	Tr 16x8 P4	13,640	13,905	10,8	1000
24001-200812X1000	stainless steel	Tr 20x8 P4	17,640	17,905	14,8	1000
24001-241012X1000	stainless steel	Tr 24x10 P5	21,094	21,394	17,5	1000
24001-301212X1000	stainless steel	Tr 30x12 P6	26,547	26,882	21,9	1000
24001-401412X1000	stainless steel	Tr 40x14 P7	36,020	36,375	30,5	1000

Trapezoidal thread nuts, round

single-start, RH or LH thread



Material:

Steel C35Pb.

Stainless steel 1.4305.

Gunmetal Rg7.

Plastic PA6.6 (mit MoS2).

Version:

Bright.

Sample order:

nlm 24003-1003132

Note:

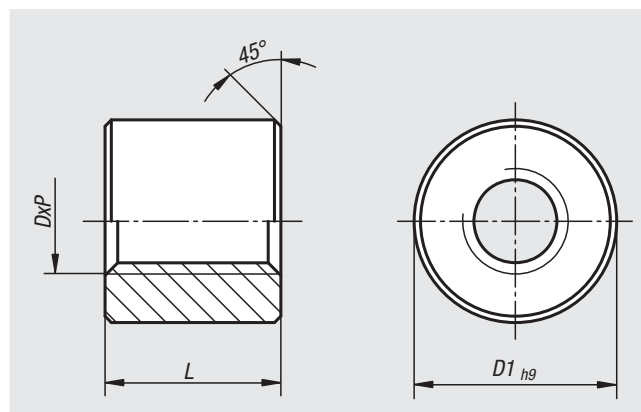
ISO trapezoidal thread based on DIN 103.

Steel and stainless steel nuts: for adjustments during manual operation and as locking nuts. Not advised for use with motorised drives due to the steel/steel material pairing.

Gunmetal nuts: for motion drives with low and medium speed. By insufficient lubrication, gunmetal trapezoidal thread nuts have good dry-running properties on steel spindles.

Plastic nuts: for low-noise motion drives. Good dry-running properties.

Tolerance class 7H.



Order No. RH thread steel	Order No. RH thread stainless steel	Order No. LH thread steel	Order No. LH thread stainless steel	DxP	D1	L
24003-0815111	24003-0815121	24003-0815211	24003-0815221	Tr 8x1,5	18	12
24003-1002111	24003-1002121	24003-1002211	24003-1002221	Tr 10x2	22	15
24003-1003111	24003-1003121	24003-1003211	24003-1003221	Tr 10x3	22	15
24003-1203111	24003-1203121	24003-1203211	24003-1203221	Tr 12x3	26	18
24003-1403111	24003-1403121	24003-1403211	24003-1403221	Tr 14x3	30	21
24003-1404111	24003-1404121	24003-1404211	24003-1404221	Tr 14x4	30	21
24003-1604111	24003-1604121	24003-1604211	24003-1604221	Tr 16x4	36	24
24003-1804111	24003-1804121	24003-1804211	24003-1804221	Tr 18x4	40	27
24003-2004111	24003-2004121	24003-2004211	24003-2004221	Tr 20x4	45	30
24003-2405111	24003-2405121	24003-2405211	24003-2405221	Tr 24x5	50	36
24003-2605111	24003-2605121	24003-2605211	24003-2605221	Tr 26x5	60	39
24003-2805111	24003-2805121	24003-2805211	24003-2805221	Tr 28x5	60	42
24003-3006111	24003-3006121	24003-3006211	24003-3006221	Tr 30x6	60	45
24003-3206111	24003-3206121	24003-3206211	24003-3206221	Tr 32x6	60	48
24003-3606111	24003-3606121	24003-3606211	24003-3606221	Tr 36x6	75	54
24003-4007111	24003-4007121	24003-4007211	24003-4007221	Tr 40x7	80	60
24003-4407111	24003-4407121	24003-4407211	24003-4407221	Tr 44x7	80	66
24003-5008111	24003-5008121	24003-5008211	24003-5008221	Tr 50x8	90	75
24003-0815112	-	24003-0815212	-	Tr 8x1,5	18	16
24003-1002112	-	24003-1002212	-	Tr 10x2	22	20
24003-1003112	-	24003-1003212	-	Tr 10x3	22	20
24003-1203112	-	24003-1203212	-	Tr 12x3	26	24
24003-1403112	-	24003-1403212	-	Tr 14x3	30	28
24003-1404112	-	24003-1404212	-	Tr 14x4	30	28
24003-1604112	-	24003-1604212	-	Tr 16x4	36	32
24003-1804112	-	24003-1804212	-	Tr 18x4	40	36
24003-2004112	-	24003-2004212	-	Tr 20x4	45	40
24003-2405112	-	24003-2405212	-	Tr 24x5	50	48
24003-2605112	-	24003-2605212	-	Tr 26x5	60	52
24003-2805112	-	24003-2805212	-	Tr 28x5	60	56
24003-3006112	-	24003-3006212	-	Tr 30x6	60	60
24003-3206112	-	24003-3206212	-	Tr 32x6	60	64
24003-3606112	-	24003-3606212	-	Tr 36x6	75	72
24003-4007112	-	24003-4007212	-	Tr 40x7	80	80
24003-4407112	-	24003-4407212	-	Tr 44x7	80	88
24003-5008112	-	24003-5008212	-	Tr 50x8	90	100

Trapezoidal thread nuts, round

single-start, RH or LH thread

Order No. RH thread gunmetal	Order No. RH thread plastic	Order No. LH thread gunmetal	Order No. LH thread plastic	DxP	D1	L
24003-0815132	24003-0815142	24003-0815232	24003-0815242	Tr 8x1,5	18/18/18/18	16/16/16/16
24003-1002132	24003-1002142	24003-1002232	24003-1002242	Tr 10x2	22/22/22/22	20/20/20/20
24003-1003132	24003-1003142	24003-1003232	24003-1003242	Tr 10x3	22/22/22/22	20/20/20/20
24003-1203132	24003-1203142	24003-1203232	24003-1203242	Tr 12x3	26/26/26/26	24/24/24/24
24003-1403132	24003-1403142	24003-1403232	24003-1403242	Tr 14x3	30/30/30/30	28/28/28/28
24003-1404132	24003-1404142	24003-1404232	24003-1404242	Tr 14x4	30/30/30/30	28/28/28/28
24003-1604132	24003-1604142	24003-1604232	24003-1604242	Tr 16x4	36/36/36/36	32/32/32/32
24003-1804132	24003-1804142	24003-1804232	24003-1804242	Tr 18x4	40/40/40/40	36/36/36/36
24003-2004132	24003-2004142	24003-2004232	24003-2004242	Tr 20x4	45/45/45/45	40/40/40/40
24003-2405132	24003-2405142	24003-2405232	24003-2405242	Tr 24x5	50/50/50/50	48/48/48/48
24003-2605132	24003-2605142	24003-2605232	24003-2605242	Tr 26x5	50/50/60/60	48/48/52/52
24003-2805132	24003-2805142	24003-2805232	24003-2805242	Tr 28x5	60/60/60/60	56/56/56/60
24003-3006132	24003-3006142	24003-3006232	24003-3006242	Tr 30x6	60/60/60/60	60/60/60/60
24003-3206132	24003-3206142	24003-3206232	24003-3206242	Tr 32x6	60/60/60/60	64/64/64/64
24003-3606132	24003-3606142	24003-3606232	24003-3606242	Tr 36x6	75/75/75/75	72/72/72/72
24003-4007132	24003-4007142	24003-4007232	24003-4007242	Tr 40x7	80/80/80/80	80/80/80/80
24003-4407132	24003-4407142	24003-4407232	24003-4407242	Tr 44x7	80/80/80/80	88/88/88/88
24003-5008132	24003-5008142	24003-5008232	24003-5008242	Tr 50x8	90/90/90/90	100/100/100/100

Trapezoidal thread nuts, round

double-start, RH thread


Material:

Steel C35Pb.

Gunmetal Rg7.

Plastic PA6.6 with MoS2).

Version:

Bright.

Sample order:

nIm 24004-060213

Note:

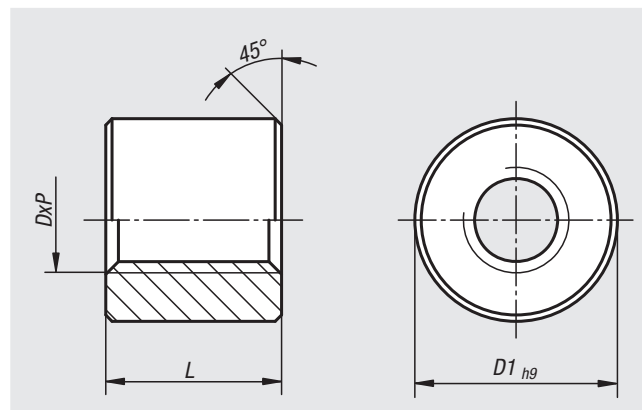
ISO trapezoidal thread based on DIN 103.

Steel nuts: for adjustments during manual operation and as fastening nuts. Not advised for use with motorised drives due to the steel-steel material combination.

Gunmetal nuts: for motion drives with low and medium speed. By insufficient lubrication, gunmetal trapezoidal thread nuts on steel spindles have good dry-running properties.

Plastic nuts: for low-noise motion drives. Good dry-running properties.

Tolerance class 7H.



Order No. steel	Order No. gunmetal	Order No. plastic	DxP	D1	L
24004-060211	24004-060213	24004-060214	Tr 6x2 P1	18	12
24004-120611	24004-120613	24004-120614	Tr 12x6 P3	26	24
24004-160811	24004-160813	24004-160814	Tr 16x8 P4	36	32
24004-200811	24004-200813	24004-200814	Tr 20x8 P4	45	40
24004-241011	24004-241013	24004-241014	Tr 24x10 P5	50	48
24004-301211	24004-301213	24004-301214	Tr 30x12 P6	60	60
24004-401411	24004-401413	24004-401414	Tr 40x14 P7	80	80

Trapezoidal thread flange nuts

single-start, RH or LH thread



Material:
Gunmetal Rg7.

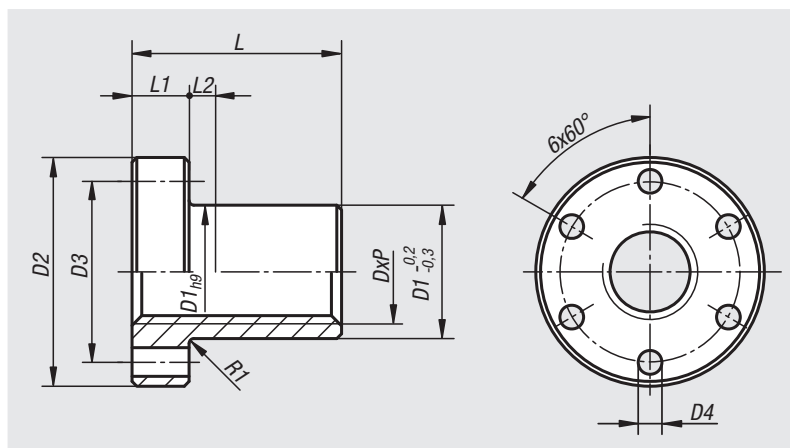
Version:
Bright.

Sample order:
nlm 24005-160411

Note:
ISO trapezoidal thread based on DIN 103.

For low and medium speed motion drives. By insufficient lubrication, gunmetal trapezoidal thread nuts on steel spindles have good dry-running properties.

Tolerance class 7H.



Order No. RH thread	Order No. LH thread	DxP	D1	D2	D3	D4	L	L1	L2
24005-100213	24005-100223	Tr 10x2	25	42	34	5	25/15	10	6/5
24005-100313	-	Tr 10x3	25	42	34	5	15	10	5
24005-120313	24005-120323	Tr 12x3	28	48	38	6	18	12	6
24005-140313	24005-140323	Tr 14x3	28	48	38	6	35	12	8
24005-160413	24005-160423	Tr 16x4	28	48	38	6	24	12	8
24005-180413	24005-180423	Tr 18x4	28	48	38	6	35	12	12
24005-200413	24005-200423	Tr 20x4	32	55	45	7	30	12	8
24005-240513	24005-240523	Tr 24x5	32	55	45	7	36	12	8
24005-260513	24005-260523	Tr 26x5	38	62	50	7	39	14	8
24005-280513	24005-280523	Tr 28x5	38	62	50	6,5	46	14	15
24005-300613	24005-300623	Tr 30x6	38	62	50	7	45	14	8
24005-320613	24005-320623	Tr 32x6	45	70	58	6,5	54	16	6
24005-360613	24005-360623	Tr 36x6	45	70	58	6,5	54	16	15
24005-400713	24005-400723	Tr 40x7	63	95	78	8,5	66	16	20
24005-440713	24005-440723	Tr 44x7	63	95	78	8,5	66	16	20
24005-500813	24005-500823	Tr 50x8	72	110	90	10,5	75	18	20

Trapezoidal thread nuts with flange

double-start, RH thread


Material:

Gunmetal Rg7.

Version:

Bright.

Sample order:

nIm 24006-060213

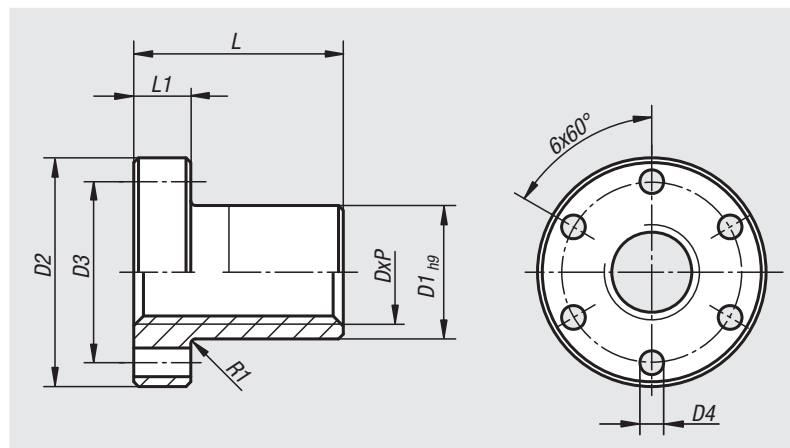
Note:

ISO trapezoidal thread based on DIN 103.

For low and medium speed motion drives.

By insufficient lubrication, gunmetal trapezoidal thread nuts on steel spindles have good dry-running properties.

Tolerance class 7H.



Order No.	DxP	D1	D2	D3	D4	L	L1
24006-060213	Tr 6x2 P1	13	25	19	3,2	15	5
24006-120613	Tr 12x6 P3	28	48	38	6	35	12
24006-160813	Tr 16x8 P4	28	48	38	6	35	12
24006-200813	Tr 20x8 P4	32	55	45	6,5	44	12
24006-241013	Tr 24x10 P5	32	55	45	6,5	44	12
24006-301213	Tr 30x12 P6	38	62	50	6,5	46	14
24006-401413	Tr 40x14 P7	63	95	78	9	66	16

Trapezoidal thread nuts, hexagon

single-start, RH or LH thread



Material:

Steel C35Pb.

Stainless steel 1.4305.

Version:

Bright.

Sample order:

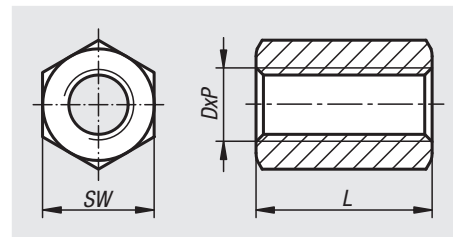
nlm 24007-100211

Note:

ISO trapezoidal thread according to DIN 103.

for adjustments during manual operation and as fastening nuts. Not advisable for use with motorised drives due to the steel/steel material pairing.

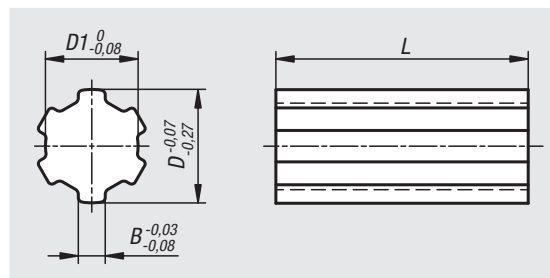
Tolerance class 7H.



Order No. RH thread steel	Order No. RH thread stainless steel	Order No. LH thread steel	Order No. LH thread stainless steel	DxP	L	SW
24007-100211	24007-100212	24007-100221	24007-100222	Tr 10x2	15	17
24007-100311	24007-100312	24007-100321	24007-100322	Tr 10x3	15	17
24007-120311	24007-120312	24007-120321	24007-120322	Tr 12x3	18	19
24007-140311	24007-140312	24007-140321	24007-140322	Tr 14x3	21	22
24007-140411	24007-140412	24007-140421	24007-140422	Tr 14x4	21	22
24007-160411	24007-160412	24007-160421	24007-160422	Tr 16x4	24	27
24007-180411	24007-180412	24007-180421	24007-180422	Tr 18x4	27	27
24007-200411	24007-200412	24007-200421	24007-200422	Tr 20x4	30	30
24007-240511	24007-240512	24007-240521	24007-240522	Tr 24x5	36	36
24007-260511	24007-260512	24007-260521	24007-260522	Tr 26x5	39	36
24007-280511	24007-280512	24007-280521	24007-280522	Tr 28x5	42	46
24007-300611	24007-300612	24007-300621	24007-300622	Tr 30x6	45	46
24007-320611	24007-320612	24007-320621	24007-320622	Tr 32x6	48	46
24007-360611	24007-360612	24007-360621	24007-360622	Tr 36x6	54	55
24007-400711	24007-400712	24007-400721	24007-400722	Tr 40x7	60	65
24007-440711	24007-440712	24007-440721	24007-440722	Tr 44x7	66	65
24007-500811	24007-500812	24007-500821	24007-500822	Tr 50x8	75	75

Splined shafts

similar to DIN ISO 14


Material:

C45 steel or 1.4301 stainless steel.

Version:

Cold-drawn, bright.

Sample order:

nlm 24010-11141X1000

Note:

Spline shafts based on DIN ISO 14 with straight parallel flanks. A spline shaft with spline hub is used to transmit high torques while enabling simultaneous axial movement. The spline shafts are cold-drawn. Cold drawing does not interrupt the grain flow of the base material, ensuring spline shafts of very high strength.

Tolerances:

Straightness 0.8 mm/m.

Torsion max. 0.5 mm/m.

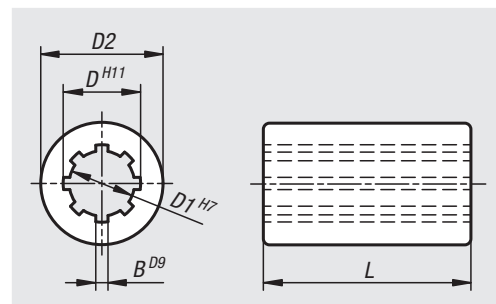
On request:

Other lengths.

Order No. steel	Order No. stainless steel	Profile	No. of splines	B	D	D1	L
24010-11141X1000	24010-11142X1000	KW11X14	6	3	14	11	1000
24010-13161X1000	24010-13162X1000	KW13X16	6	3,5	16	13	1000
24010-16201X1000	24010-16202X1000	KW16X20	6	4	20	16	1000
24010-18221X1000	24010-18222X1000	KW18X22	6	5	22	18	1000
24010-21251X1000	24010-21252X1000	KW21X25	6	5	25	21	1000
24010-23281X1000	24010-23282X1000	KW23X28	6	6	28	23	1000
24010-26321X1000	24010-26322X1000	KW26X32	6	6	32	26	1000
24010-32381X1000	24010-32382X1000	KW32X38	8	6	38	32	1000
24010-36421X1000	24010-36422X1000	KW36X42	8	7	42	36	1000
24010-42481X1000	24010-42482X1000	KW42X48	8	8	48	42	1000
24010-46541X1000	24010-46542X1000	KW46X54	8	9	54	46	1000

Splined hubs round

similar to DIN ISO 14



Material:

Steel C45.
Stainless steel 1.4305.
Gunmetal Rg 7.

Version:

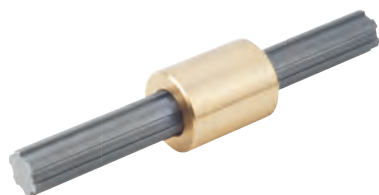
Bright.

Sample order:

nlm 24011-11141

Note:

Spline hubs based on DIN ISO 14 with straight parallel flanks. A spline shaft with spline hub is used to transmit high torques while enabling simultaneous axial movement.



Order No. steel	Order No. stainless steel	Order No. gunmetal	Profile	No. of slots	B	D	D1	D2	L
24011-11141	24011-11142	24011-11143	KW11X14	6	3	14	11	20	40
24011-13161	24011-13162	24011-13163	KW13X16	6	3,5	16	13	28	45
24011-16201	24011-16202	24011-16203	KW16X20	6	4	20	16	32	45
24011-18221	24011-18222	24011-18223	KW18X22	6	5	22	18	40	50
24011-21251	24011-21252	24011-21253	KW21X25	6	5	25	21	40	55
24011-23281	24011-23282	24011-23283	KW23X28	6	6	28	23	50	55
24011-26321	24011-26322	24011-26323	KW26X32	6	6	32	26	52	60
24011-32381	24011-32382	24011-32383	KW32X38	8	6	38	32	60	60
24011-36421	24011-36422	24011-36423	KW36X42	8	7	42	36	70	65
24011-42481	24011-42482	24011-42483	KW42X48	8	8	48	42	80	70
24011-46541	24011-46542	24011-46543	KW46X54	8	9	54	46	80	90

Splined hubs with flange

similar to DIN ISO 14



Material:

Steel C45.
Stainless steel 1.4305.
Gunmetal Rg 7.

Version:

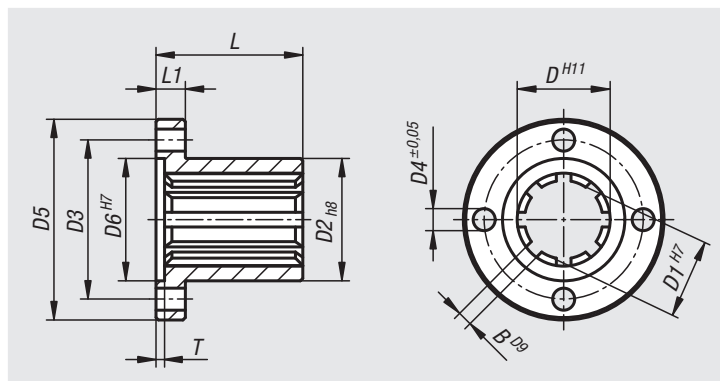
Bright.

Sample order:

nIm 24011-01-11141

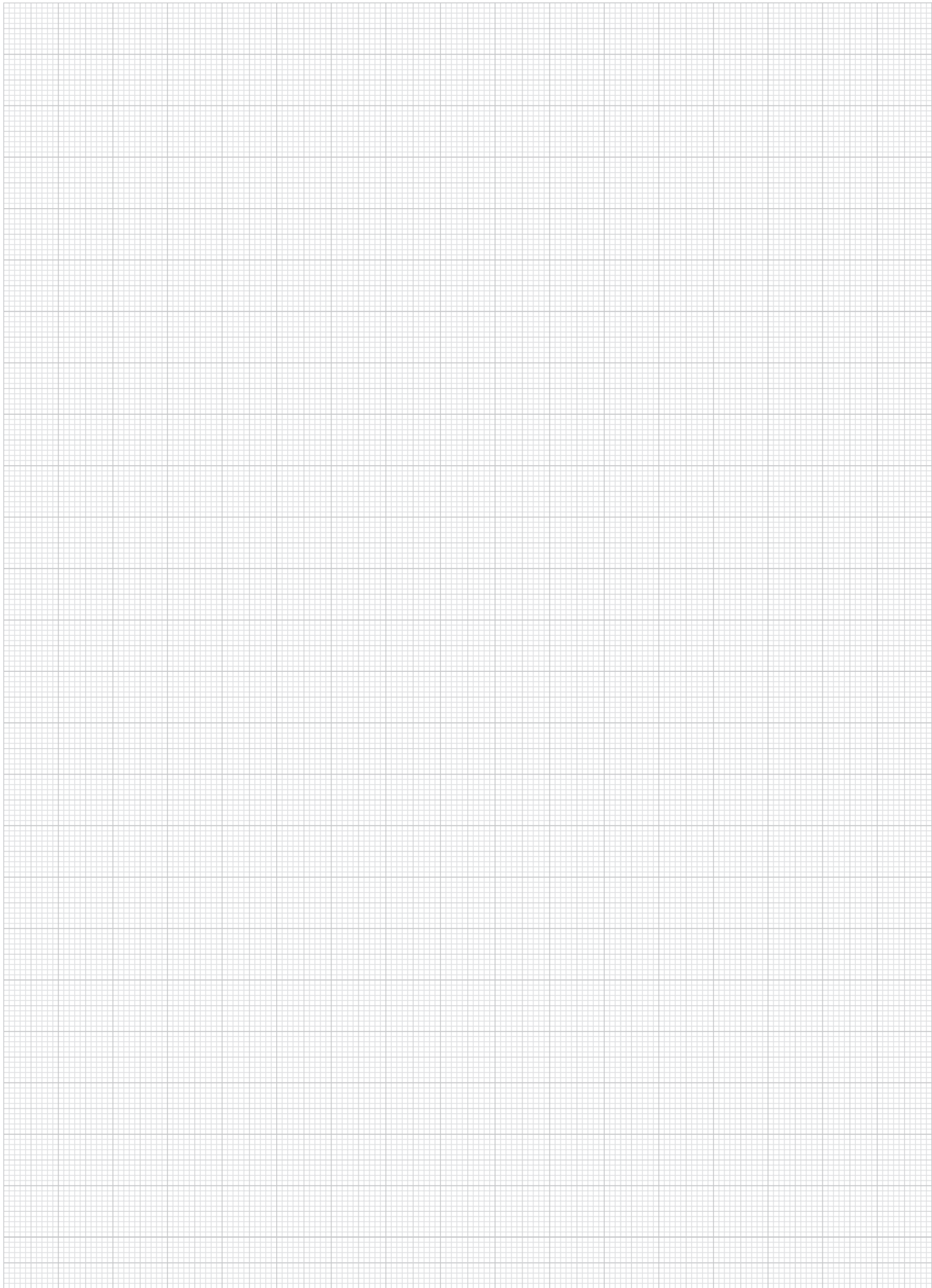
Note:

Spline hubs based on DIN ISO 14 with straight parallel flanks. A spline shaft with spline hub is used to transmit high torques while enabling simultaneous axial movement.



Order No. steel	Order No. stainless steel	Order No. gunmetal	Profile	No. of slots	B	D	D1	D2	D3	D4	D5	D6	L	L1	T
24011-01-11141	24011-01-11142	24011-01-11143	KW11X14	6	3	14	11	20	28	4,5	42	20	35	8	3
24011-01-13161	24011-01-13162	24011-01-13163	KW13X16	6	3,5	16	13	25	36	4,5	50	22	40	8	3
24011-01-16201	24011-01-16202	24011-01-16203	KW16X20	6	4	20	16	28	38	5,5	52	25	40	10	3
24011-01-18221	24011-01-18222	24011-01-18223	KW18X22	6	5	22	18	30	40	5,5	54	30	45	10	3,5
24011-01-21251	24011-01-21252	24011-01-21253	KW21X25	6	5	25	21	34	48	6,6	62	35	50	10	3,5
24011-01-23281	24011-01-23282	24011-01-23283	KW23X28	6	6	28	23	36	50	6,6	64	36	55	10	3,5
24011-01-26321	24011-01-26322	24011-01-26323	KW26X32	6	6	32	26	42	56	6,6	70	40	60	10	3,5
24011-01-32381	24011-01-32382	24011-01-32383	KW32X38	8	6	38	32	50	65	9	82	50	60	12	3,5
24011-01-36421	24011-01-36422	24011-01-36423	KW36X42	8	7	42	36	52	70	9	90	52	80	16	4
24011-01-42481	24011-01-42482	24011-01-42483	KW42X48	8	8	48	42	60	75	11	95	60	80	16	4
24011-01-46541	24011-01-46542	24011-01-46543	KW46X54	8	9	54	46	65	80	11	100	65	100	16	4

Notes



2000
2100
2200
2300
24000
26000
27000
28000
29000
31000
32000
33000

Technical information for ball screw linear actuators

Efficiency and self-locking:

The low rolling friction of ball screw linear actuators give them a mechanical efficiency of up to 95%. Operating duration can be 100%. Due to low rolling friction ball screw linear actuators are not self-locking. A brake mechanism must be installed where self-locking is required (reduction gear or motor brake). This is a must by vertical installations.

Operating temperature:

Ball screw linear actuators can be used with normal loads within a temperature range of -20 to +80 °C. Temporarily up to +110 °C. A prerequisite is constant lubrication.

Lubrication:

Correct lubrication is important for ball screw linear actuators to achieve the calculated lifespan, avoid overheating and guarantee smooth and quiet operation. The same lubricants are used for ball screw linear actuators as those used for roller bearings. They should always be protected from dirt. This is normally carried out by the wiper in the ball screw nut. This wiper also prevents the lubricant seeping out of the ball screw nut.

Installation information:

When ordering ball screw nuts individually, they come mounted on a sleeve. This sleeve must not be removed prior to installation, as the balls could fall out of the ball screw nut. To install (Fig. 1), hold the sleeve on the end of the spindle, then slide the nut over the sleeve while simultaneously and without force twisting onto the spindle thread. Now the lubrication should be applied through the hole in the ball screw nut. To avoid damaging the ball screw linear actuator, limit switches and end position dampers should be installed on the machine.

Note:

Ball screw linear actuators consist of a ball screw spindle, a ball screw nut in which the balls are integrated and a ball re-circulator. They are used to convert a rotary motion into a linear motion and vice-versa. They are very accurate and highly efficient.

Manufacturing process:

The rolled threads of ball screw linear actuators are produced by a precision rolling process. The thread on the spindle and nut has a Gothic arch profile. The load angle is 45°. As by precision screw drives, the flank of the spindle nut is ground to give smooth running properties and a long life.

Gradient deviations:

Thread length		Precision class			
over	under	C 3 (µm)	C 5 (µm)	C 7 (µm)	C 10 (µm)
0	315	8	18	±50 / 300 mm	±210 / 300 mm
315	500	10	20		
500	630	12	23		
630	800	13	25		
800	1000	15	27		
1000	1250	16	30		
1250	1600	18	35		
1600	2000	21	40		
2000	2500	24	46		
2500	3150	29	54		
3150	4000	35	65		
4000	5000	41	77		

Axial backlash and preload:

Differentiation is made between a play-afflicted (axial play > 0) and a play-free or preloaded (axial play < 0) ball screw linear actuator. Preloaded nuts have considerably less elastic deformation occurrence than in nuts without preloading. Preloaded nuts are recommended when positioning accuracy under load is required.

Spindle Ø	Axial backlash P0 (mm)	Zero backlash P1 (mm)	Light preload P2 single nut loosening torque N
16x5	0,08	0	1 - 3
20x5			1 - 3
25x5			2 - 5
32x5			2 - 5
32x10			3 - 6

Calculating the lifespan:

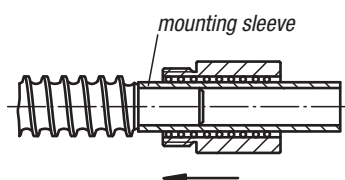
The lifespan can be calculated from the ratio of dynamic load rating and average load.

$$L = \left(\frac{C_{dyn}}{F_m} \right)^3 \cdot 10^6$$

L = lifespan in rotations

C_{dyn} = dynamic load rating (N)

F_m = average load (N)



Ball screw linear actuators

rolled, with flange nut DIN 69051 Part 5



Material:

Spindle, steel 1.1213.
Nut steel 1.3505.
Wiper plastic.

Version:

Spindle rolled, induction hardened to 62 ± 2 HRC and polished.
Nut ground, flank induction hardened to 62 ± 2 HRC and polished.

Sample order:

nlm 24055-16052X0600
(include total length L)
For spindle end form a detailed customer drawing is required.

Note:

Ball screw linear actuators with Gothic arch profile and 5 mm or 10 mm pitch. Single-start, right-hand. Ball screw flange nut acc. to DIN 69051 Part 5 with flange. Manufactured acc. to precision class C7 (tolerance $\pm 50 \mu / 300$ mm). Without preloading with axial backlash P0 (max. 0.08 mm)

On request:

We can produce ball screw spindles to your design from a detailed drawing.
Max. production lengths 5600 mm.

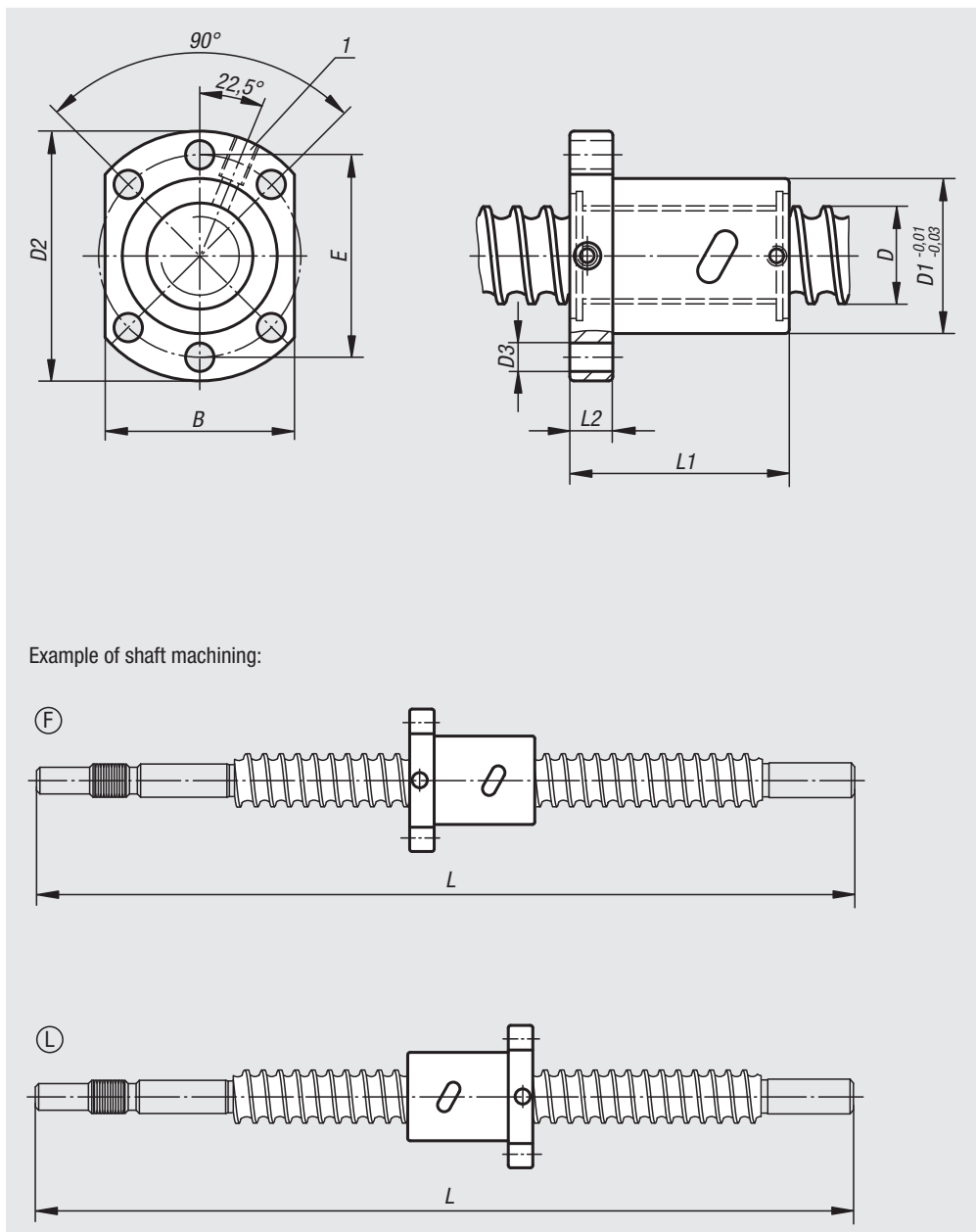
Other precision classes and preloading are available (see technical information).

Attention:

The flange nut must not be removed from the spindle without a mounting aid as the balls will fall out.

Drawing reference:

1) M6 lubrication hole



Order No.	D	D1	Pitch	D2	D3	B	E	L1	L2	Ball Ø	No. of support circulations	Dynamic load rating N	Static load rating N	Stiffness K (N/µm)
24055-16052X	16	28	5	48	5,5	40	38	45	10	3,175	4	8880	15250	200
24055-20052X	20	36	5	58	6,6	44	47	51	10	3,175	4	9990	19950	250
24055-25052X	25	40	5	62	6,6	48	51	51	10	3,175	4	11190	25810	350
24055-32052X	32	50	5	80	9	62	65	52	12	3,175	4	12640	34030	400
24055-32102X	32	50	10	80	9	62	65	85	12	6,35	4	30930	61020	400

Ball screw linear actuators

rolled, with screw-in cylinder nut



Material:

Spindle steel 1.1213.

Nut steel 1.3505.

Wiper plastic.

Version:

Spindle rolled, induction hardened to 62 ± 2 HRC and polished.

Nut ground, flank induction hardened to 62 ± 2 HRC and polished.

Sample order:

nIm 24060-16052X0600

(include total length L)

For spindle end form a detailed customer drawing is required.

Note:

Ball screw linear actuators with Gothic arch profile and 5 mm or 10 mm pitch. Single-start, right-hand. Ball screw cylinder nut with screw-in thread acc. to ISO 3408 (DIN 69051).

Manufactured acc. to precision class C7 (tolerance $\pm 50 \mu / 300$ mm). Without preloading with axial backlash P0 (max. 0.08 mm).

On request:

We can make ball screw spindles to your design from a detailed drawing.

Max. production lengths 5600 mm.

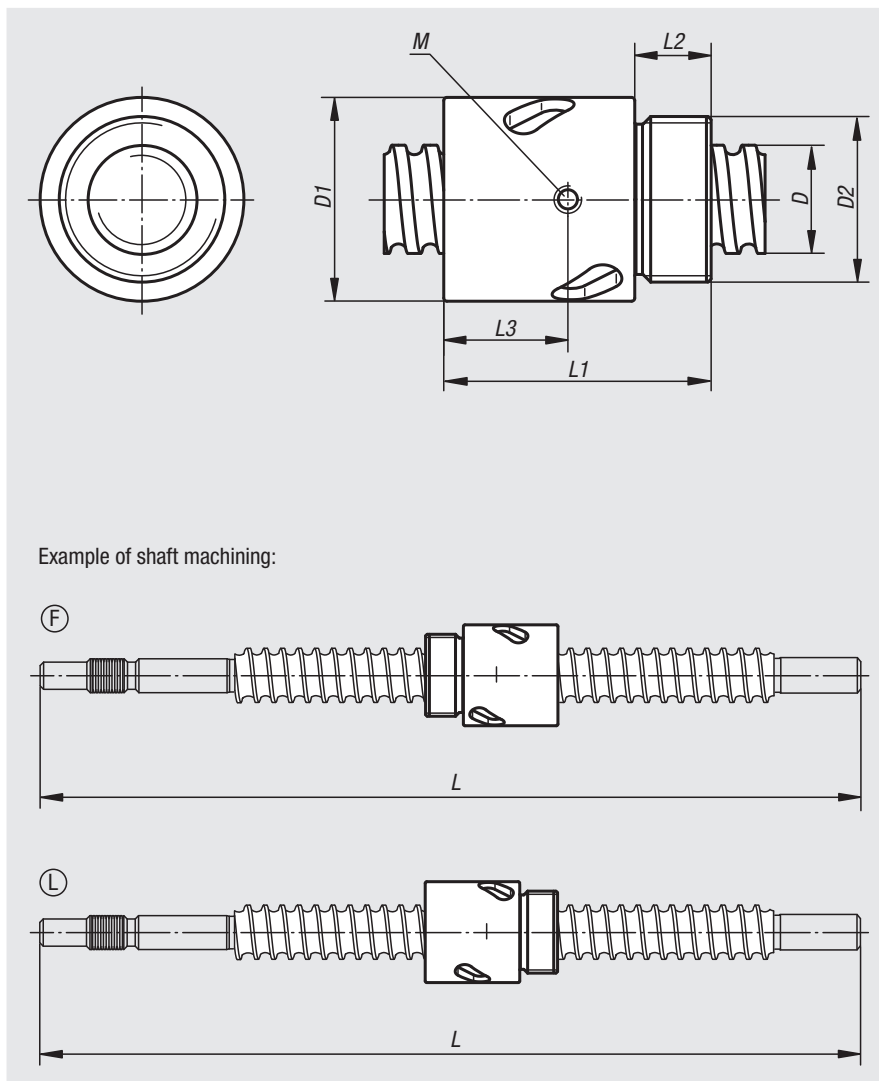
Other precision classes and preloading are available (see technical information).

Attention:

The nut must not be removed from the spindle without a mounting aid as the balls will fall out.

Drawing reference:

M) lubrication hole



Order No.	D	Pitch	D1	D2	L1	L2	L3	M	Ball Ø	No. of support circulations	Dynamic load rating N	Static load rating N	Stiffness K (N/µm)
24060-16052X	16	5	32,5	M26x1,5	42	12	-	-	3,175	4	8880	15250	200
24060-20052X	20	5	38	M35x1,5	45	15	-	-	3,175	4	9990	19950	250
24060-25052X	25	5	43	M40x1,5	69	19	32	M6	3,175	4	11190	25810	350

Housings

for flange nuts



Material:
Steel.

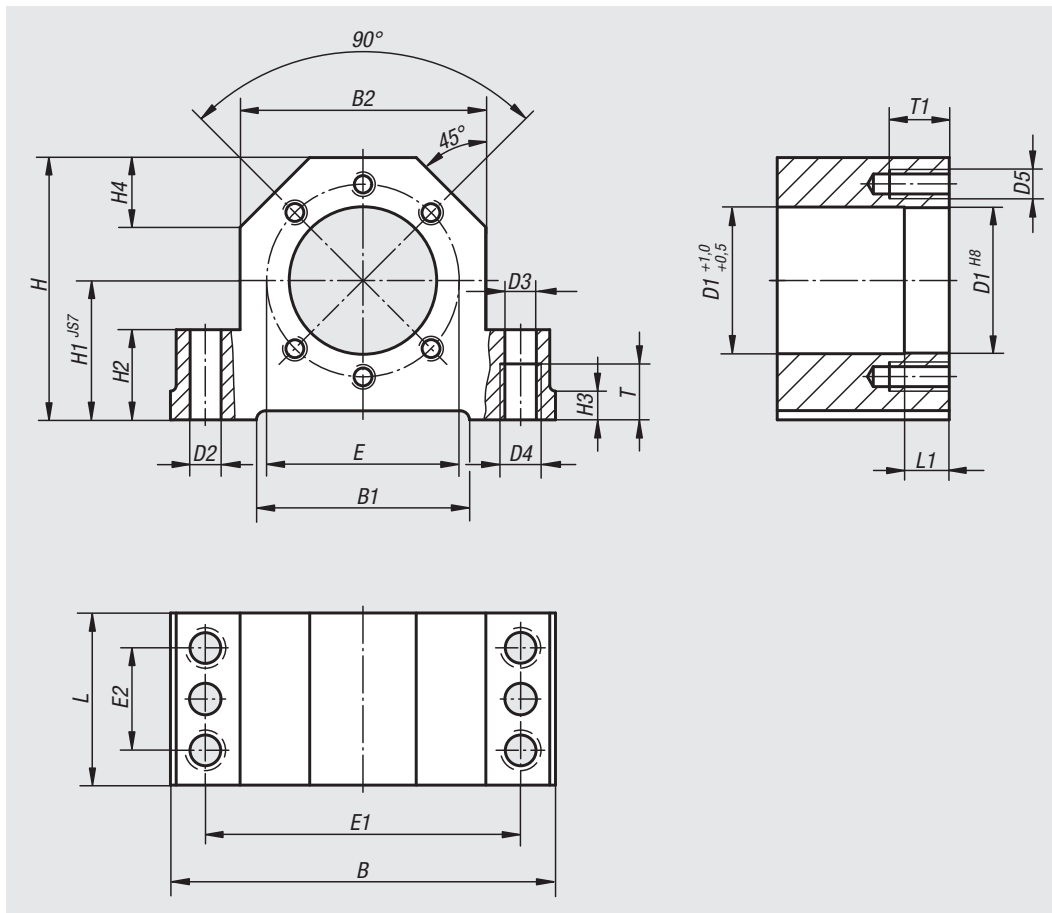
Version:
Black oxidised.

Sample order:
nlm 24070-016

Note:

The housings are suitable for installing flange nuts acc. to DIN 69051 Part 5. The axis height of the spindle bearings is matched to the fixed bearing units 24072 and floating bearing units 24074. The housings can be screwed on from above or below and pinned with two taper pins or cylindrical pins.

Supplied with 6 fastening screws grade 8.8.



Ball screw linear actuator with flange nut installed in a housing



Order No.	Suitable for spindle Ø	B	B1	B2	D1	D2	D3	D4	D5	E	E1	E2	H	H1	H2	H3	H4	L	L1	T	T1
24070-016	16	86	50	52	28	7,7	8,4	M10	M5	38	68	23	58	32	22	7	15	42	10	15	12
24070-020	20	94	58	60	36	7,7	8,4	M10	M6	47	77	25	64	34	22	7	17	46	16	15	15
24070-025	25	108	63	66	40	9,7	10,5	M12	M6	51	88	29	72	39	27	10	19	46	16	18	15
24070-032	32	112	70	72	50	9,7	10,5	M12	M8	65	92	29	82	42	27	10	19	49	16	18	20

Fixed bearing units


Material:

Housing steel.

Version:

Housing black oxidised.

Sample order:

nIm 24072-010

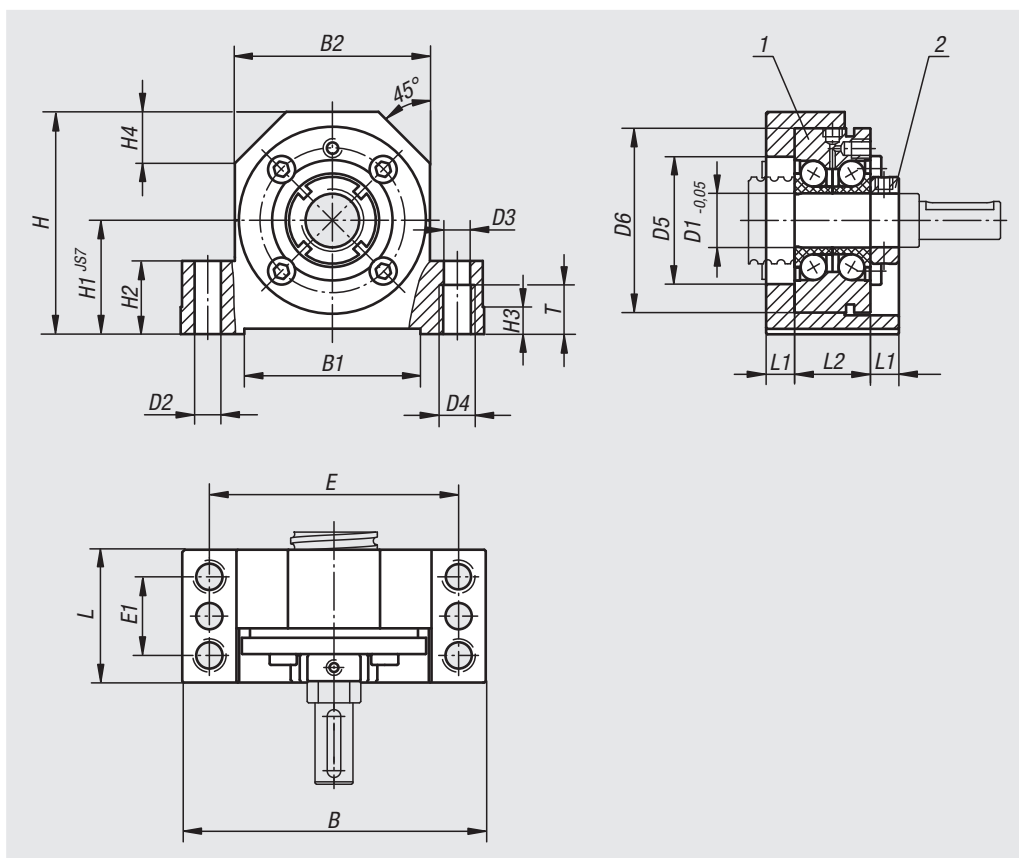
Note:

The axis height of the spindle bearings is matched to the floating bearing units 24074 and the housings for flange nuts 24070. The housings may be screwed on from above or below and pinned with two taper pins or cylindrical pins. Reference faces on both sides ease unit alignment.

Ready to install fixed bearing units with double row preloaded high-accuracy bearings and a 60° thrust angle. They accept both radial and axial forces from both directions and, due to preloading provide for highest rigidity, concentricity, precise tool positioning and repeatability.

Drawing reference:

- 1) angular-contact thrust ball bearing
- 2) M slotted nut



Order No.	Suitable for spindle Ø	B	B1	B2	D1	D2	D3	D4	D5	D6	E	E1	H	H1	H2	H3	H4	L	L1	L2	M	T
24072-010	16	86	50	52	10	7,7	8,4	M10	32	50	68	23	58	32	22	7	15	37	8,5	20	M10x1	15
24072-012	20	94	58	60	12	7,7	8,4	M10	32	55	77	25	64	34	22	7	17	42	8,5	25	M12x1	15
24072-015	20	108	63	66	15	9,7	10,5	M12	32	60	88	29	72	39	27	10	19	46	10,5	25	M15x1	18
24072-017	25	108	63	66	17	9,7	10,5	M12	36	62	88	29	72	39	27	10	19	46	10,5	25	M17x1	18
24072-020	32	112	70	72	20	9,7	10,5	M12	43	68	92	29	78	42	27	10	20	49	10,5	28	M20x1	18

Order No.	Dynamic load rating N	Static load rating N	Stiffness K (N/µm)
24072-010	13400	18800	325
24072-012	16900	24700	375
24072-015	17900	28000	400
24072-017	18800	31000	450
24072-020	26000	47000	650

Floating bearing units



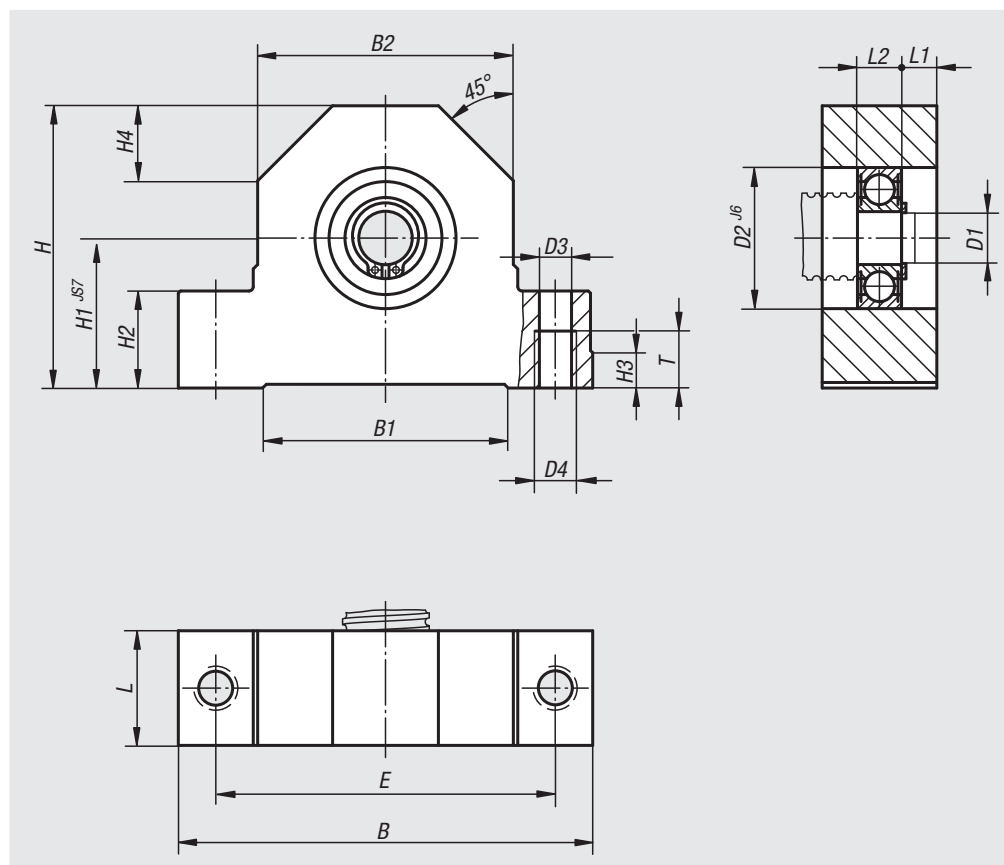
Material:
Housing steel.

Version:
Housing black oxidised.

Sample order:
nlm 24074-010

Note:
The axis height of the spindle bearings is matched to the fixed bearing units 24072 and the housings for flange nuts 24070. The housings may be screwed on from above or below. Reference faces on both sides ease unit alignment.

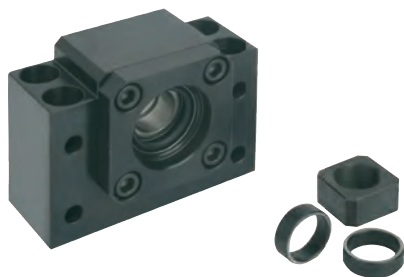
Ready to install floating bearing units with deep groove ball bearings.



Order No.	Suitable for spindle Ø	B	B1	B2	D1	D2	D3	D4	E	H	H1	H2	H3	H4	L	L1	L2	T
24074-010	16	86	50	52	10	30	8,4	M10	68	58	32	22	7	15	24	7,5	9	15
24074-012	20	94	58	60	12	32	8,4	M10	77	64	34	22	7	17	26	8	10	15
24074-015	20	108	63	66	15	35	10,5	M12	88	72	39	27	10	19	28	8	12	18
24074-017	25	108	63	66	17	40	10,5	M12	88	72	39	27	10	19	28	8	12	18
24074-020	32	112	70	72	20	47	10,5	M12	92	78	42	27	10	20	34	10	14	18

Fixed bearing units

block version



Material:

Housing steel.

Version:

Housing black oxidised.

Sample order:

nIm 24076-010

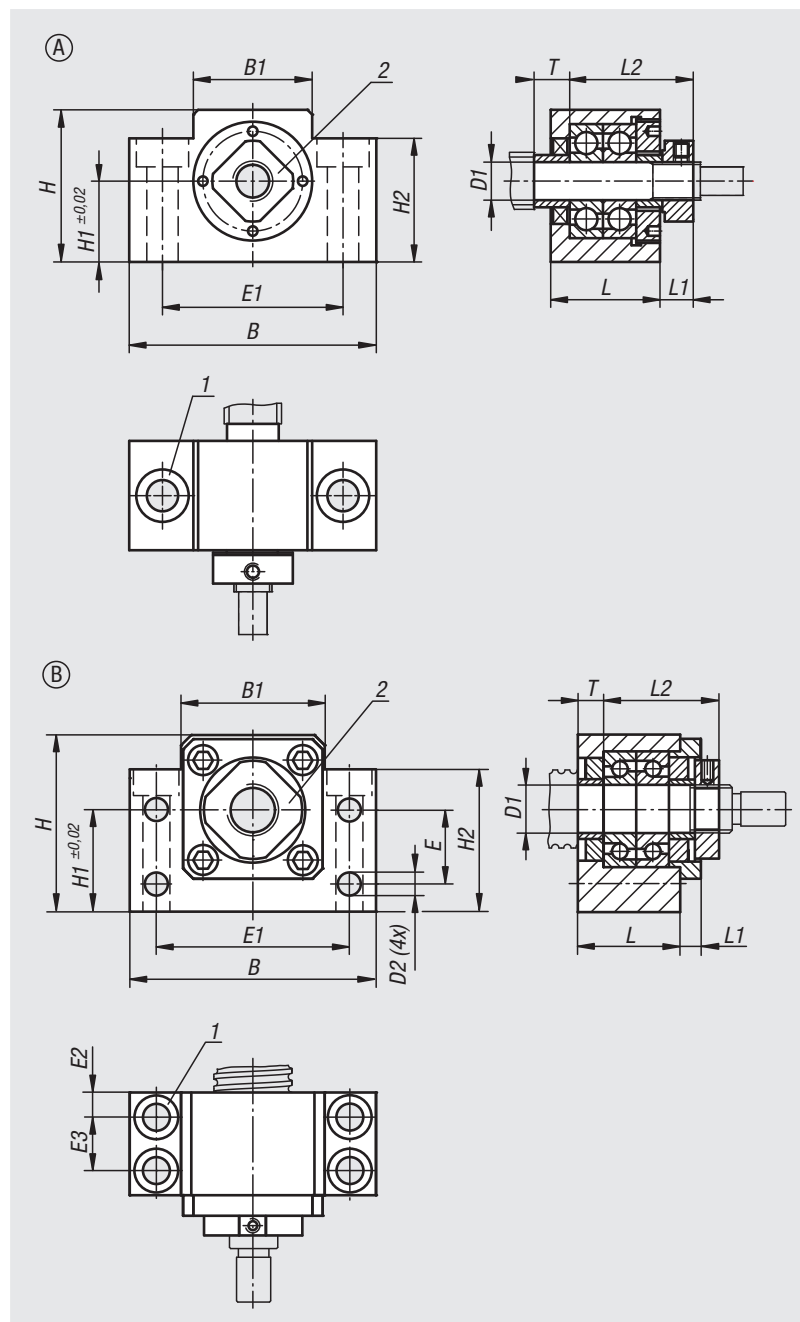
Note:

The axis height of the spindle bearings is matched to the floating bearing unit 24078. The fixed bearing units are composed of a housing with 2 angular contact thrust ball bearings with seals. Preloaded by an initial flange. With backstops and a locknut.

Drawing reference:

1) C for socket head screw ISO 4762

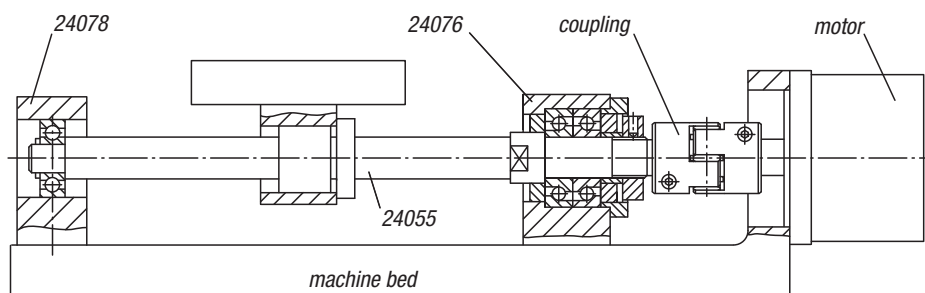
2) M slotted nut



Fixed bearing units

block version

A block version bearing unit assembly



Order No.	Form	Size	B	B1	C	D1	D2	E	E1	E2	E3	H	H1	H2	L	L1	L2	M	T
24076-006	A	6	52	25	M6	6	-	-	38	-	-	32	17	26	23	5	24	M6x0,75	5
24076-008	A	8	52	25	M6	8	-	-	38	-	-	32	17	26	23	7	26	M8x1	7,5
24076-010	B	10	60	34	M6	10	5,5	15	46	6	13	39	22	32,5	25	5	29	M10x1	5
24076-012	B	12	60	35	M6	12	5,5	18	46	6	13	43	25	35	25	5	29	M12x1	5
24076-015	B	15	70	40	M6	15	5,5	18	54	6	15	48	28	38	27	9	32	M15x1	6
24076-017	B	17	86	50	M8	17	6,6	28	68	8	19	64	39	55	35	8	44	M17x1	7
24076-020	B	20	88	52	M8	20	6,6	22	70	8	19	60	34	50	35	8	43	M20x1	8

Order No.	Dynamic load rating N	Static load rating N	Stiffness K (N/μm)
24076-006	-	-	-
24076-008	-	-	-
24076-010	6500	2800	95
24076-012	7000	3100	102
24076-015	7500	3500	114
24076-017	13000	5900	120
24076-020	16100	8400	145

Floating bearing units

block version


Material:

Housing steel.

Version:

Housing black oxidised.

Sample order:

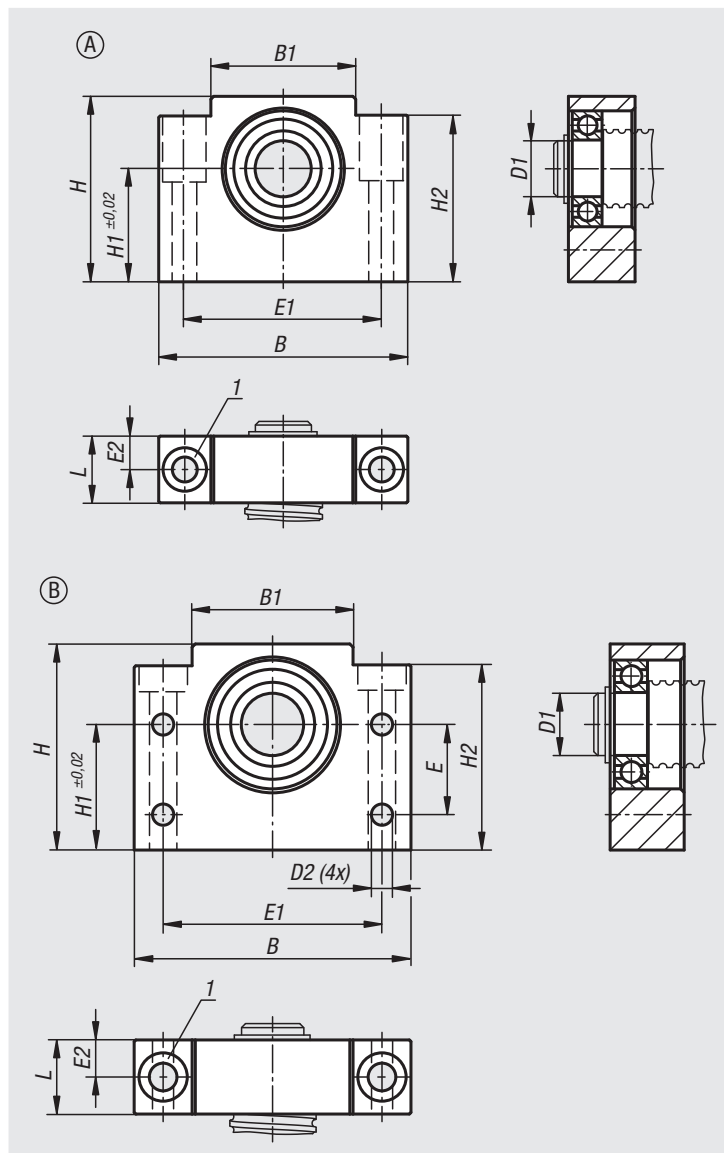
nlm 24078-010

Note:

The axis height of the spindle bearings is matched with the fixed bearing unit 24076. The floating bearing units consist of a housing with deep groove ball bearing which adapts axially to the linear expansion of the spindle.

Drawing reference:

1) C for socket head screw ISO 4762



Order No.	Form	Size	B	B1	C	D1	D2	E	E1	E2	H	H1	H2	L
24078-006	A	6	52	25	M6	6	-	-	38	7	32	17	26	14
24078-010	B	10	60	34	M6	8	5,5	15	46	10	39	22	32,5	20
24078-012	B	12	60	34	M6	10	5,5	18	46	10	43	25	35	20
24078-015	B	15	70	40	M6	15	5,5	18	54	10	48	28	38	20
24078-017	B	17	86	50	M8	17	6,6	28	68	11,5	64	39	55	23
24078-020	B	20	88	52	M8	20	6,6	22	70	13	60	34	50	26

Order No.	Dynamic load rating N	Static load rating N
24078-006	-	-
24078-010	3250	1400
24078-012	4550	1960
24078-015	5600	2840
24078-017	9500	4750
24078-020	9300	5000

Fixed bearing units

block version



Material:

Housing steel.

Version:

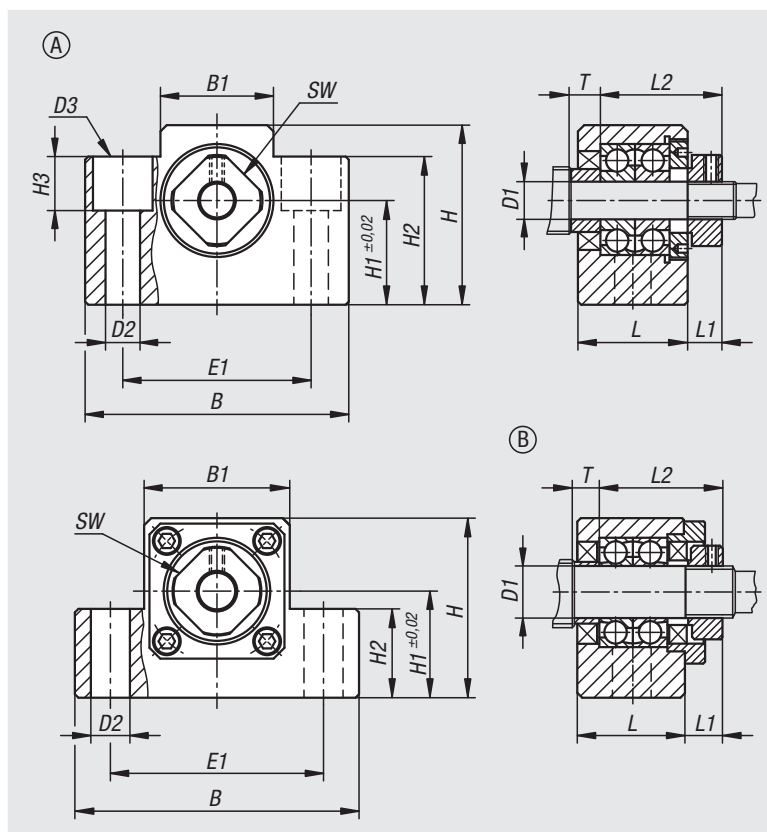
Housing black oxidised.

Sample order:

nln 24078-01-006

Note:

The axis height of the spindle bearings matches the floating bearing unit 24078-02. The solid bearing units are composed of a housing with 2 axial angular contact ball bearings with seals. Pre-stressed with a prefixed flange. With circlips and a lock nut.



Order No.	Form	Size	B	B1	D1	D2	D3	E1	H	H1	H2	H3	L	L1	L2	SW	T
24078-01-006	A	6	42	18	6	5,5	9,5	30	25	13	20	11	20	5	22	12	7
24078-01-008	A	8	52	25	8	6,6	11	38	32	17	26	12	23	7	26	14	7,5
24078-01-010	B	10	70	36	10	9	-	52	43	25	24	-	24	6	29,5	16	5,5
24078-01-012	B	12	70	36	12	9	-	52	43	25	24	-	24	6	29,5	19	5,5
24078-01-015	B	15	80	41	15	11	-	60	50	30	25	-	25	6	36	22	10
24078-01-020	B	20	95	56	20	11	-	75	58	30	25	-	42	10	50	30	11

Order No.	Dynamic load rating N	Static load rating N	Stiffness K (N/μm)
24078-01-006	2500	1100	32
24078-01-008	4100	1500	51
24078-01-010	6500	2800	95
24078-01-012	7000	3100	102
24078-01-015	7500	3500	114
24078-01-020	17500	3500	145

Floating bearing units

block version


Material:

Housing steel.

Version:

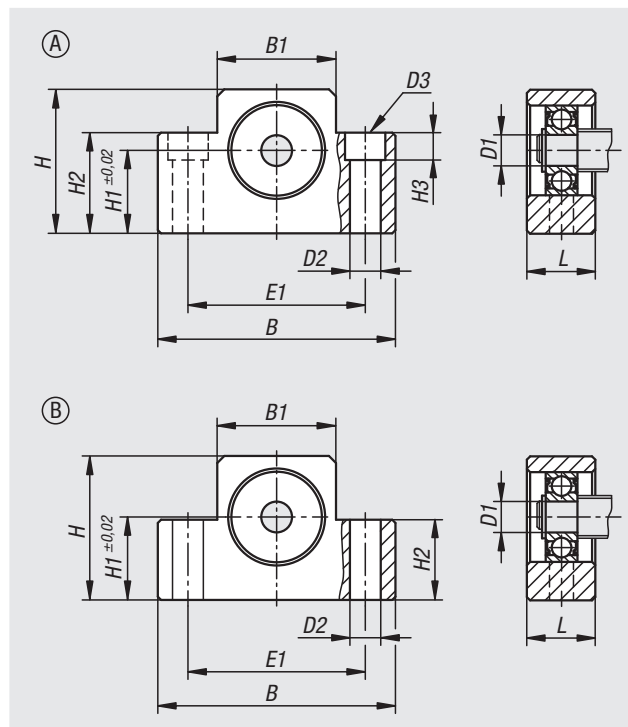
Housing black oxidised.

Sample order:

nlm 24078-02-006

Note:

The axis height of the spindle bearings matches the fixed bearing unit 24078-01. The floating bearing units consist of a housing with deep groove ball bearing, which adapts axially to the linear expansion of the spindle.



Order No.	Form	Size	B	B1	D1	D2	D3	E1	H	H1	H2	H3	L
24078-02-006	A	6	42	18	6	5,5	9,5	30	25	13	20	11	12
24078-02-008	A	8	52	25	6	6,6	11	38	32	17	26	12	14
24078-02-010	B	10	70	36	8	9	-	52	43	25	24	-	20
24078-02-012	B	12	70	36	10	9	-	52	43	25	24	-	20
24078-02-015	B	15	80	41	15	9	-	60	49	30	25	-	20
24078-02-020	B	20	95	56	20	11	-	75	58	30	25	-	26

Order No.	Dynamic load rating N	Static load rating N
24078-02-006	2190	870
24078-02-008	2190	870
24078-02-010	3250	1400
24078-02-012	4550	1960
24078-02-015	5600	2840
24078-02-020	9300	5000

Fixed bearing units

flange version



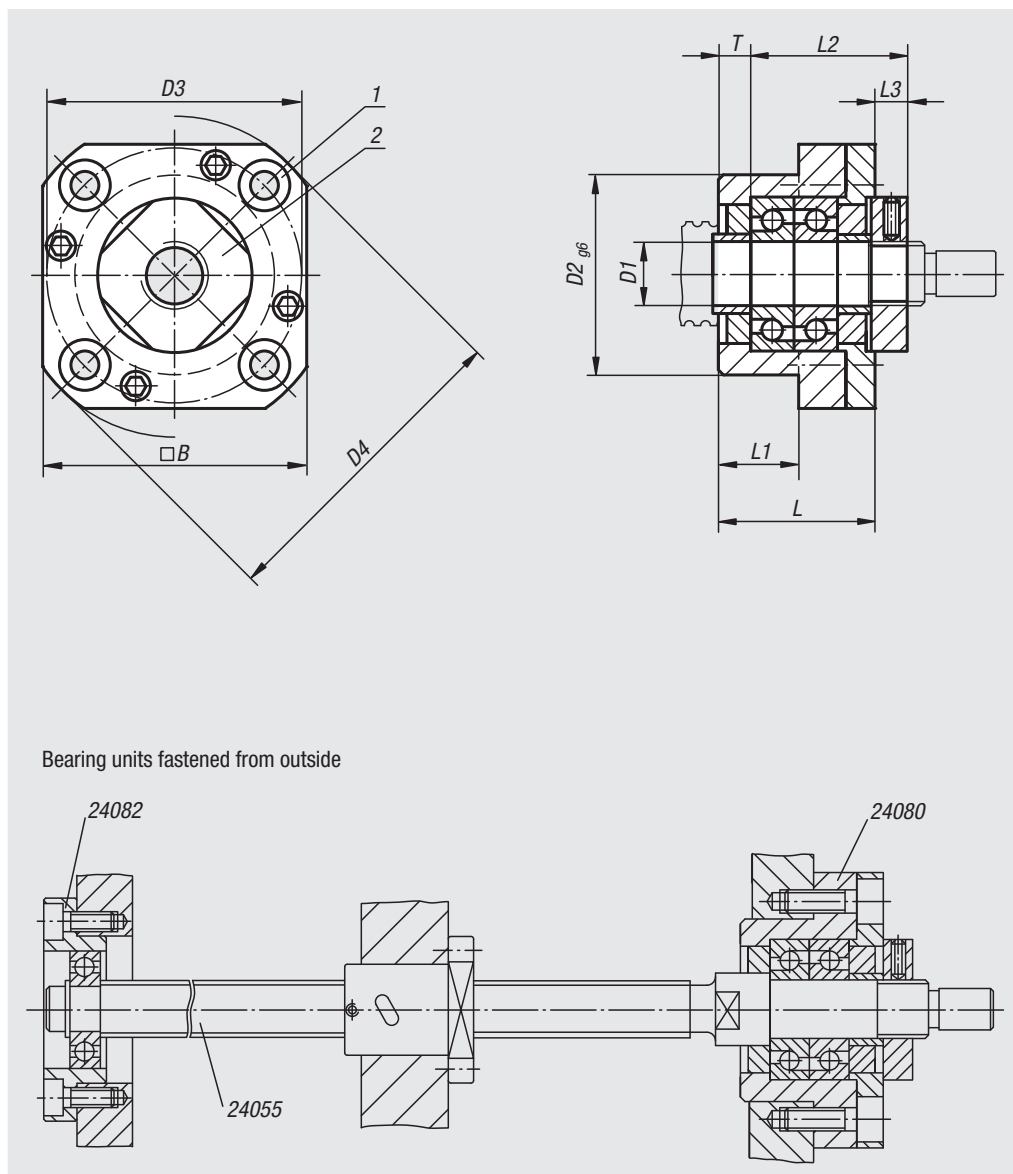
Material:
Housing steel.

Version:
Housing black oxidised.

Sample order:
nlm 24080-010

Note:
The fixed bearing unit is matched to the floating bearing unit 24082. The fixed bearing units are composed of a housing with 2 angular contact thrust ball bearings and seals. Preloaded with an initial flange. With backstops and a locknut.

Drawing reference:
1) C for socket head screw ISO 4762
2) M slotted nut



Order No.	Size	B	C	D1	D2	D3	D4	L	L1	L2	L3	M	T
24080-010	10	42	M4	10	34	42	52	27	17	29,5	7,5	M10x1	5
24080-012	12	44	M4	12	36	44	54	27	17	29,5	7,5	M12x1	5
24080-015	15	52	M5	15	40	50	63	32	17	36	8	M15x1	6
24080-020	20	68	M6	20	57	70	85	52	30	50	10	M20x1	10

Order No.	Dynamic load rating N	Static load rating N	Stiffness K (N/μm)
24080-010	6500	2800	95
24080-012	7000	3100	102
24080-015	7500	3500	114
24080-020	17500	8400	145

Floating bearing units

flange version


Material:

Housing steel.

Version:

Housing black oxidised.

Sample order:

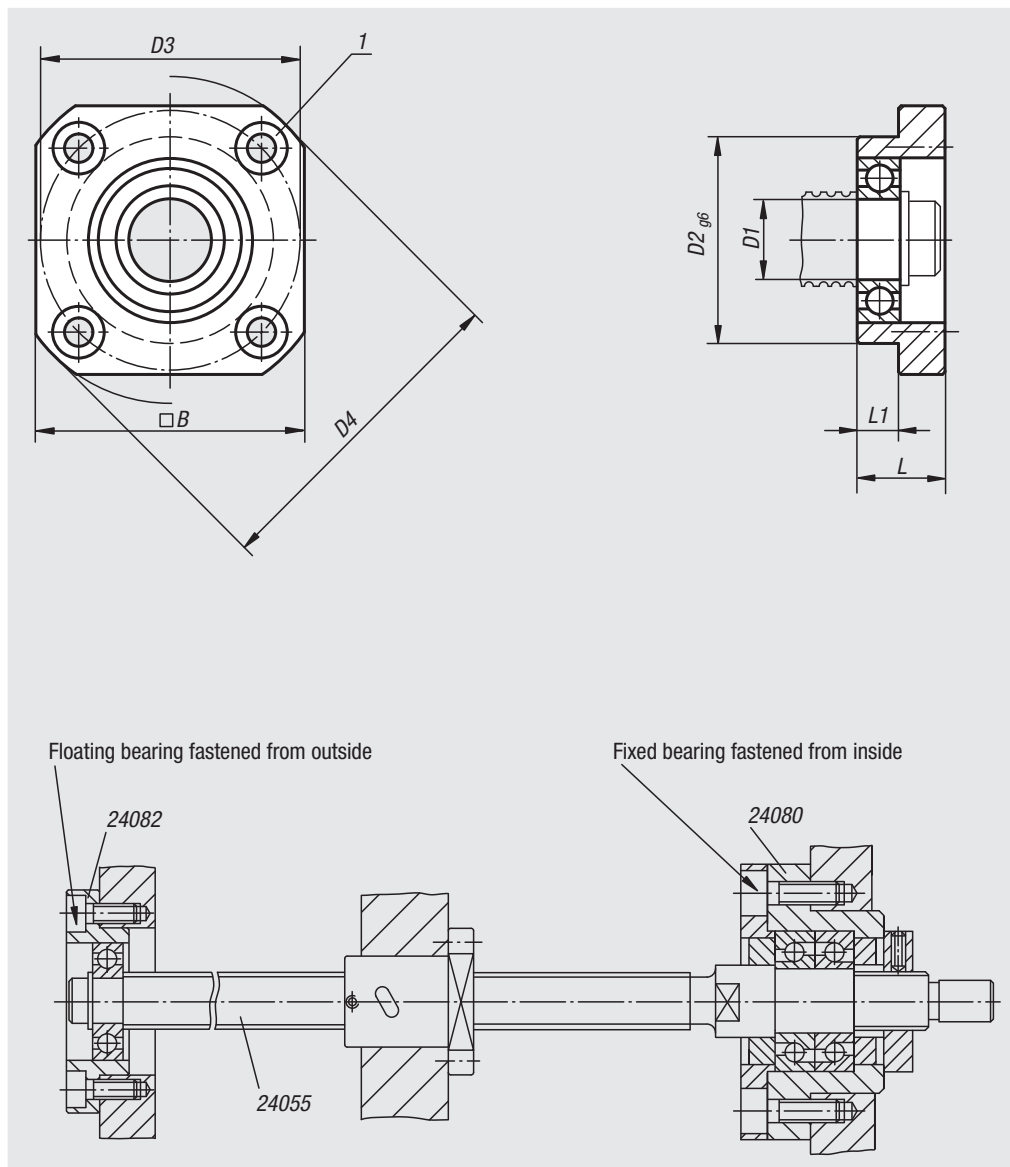
nlm 24082-010

Note:

The floating bearing unit is matched with the fixed bearing unit 24080. The floating bearing units consist of a housing with deep groove ball bearing which adapts axially to the linear expansion of the spindle.

Drawing reference:

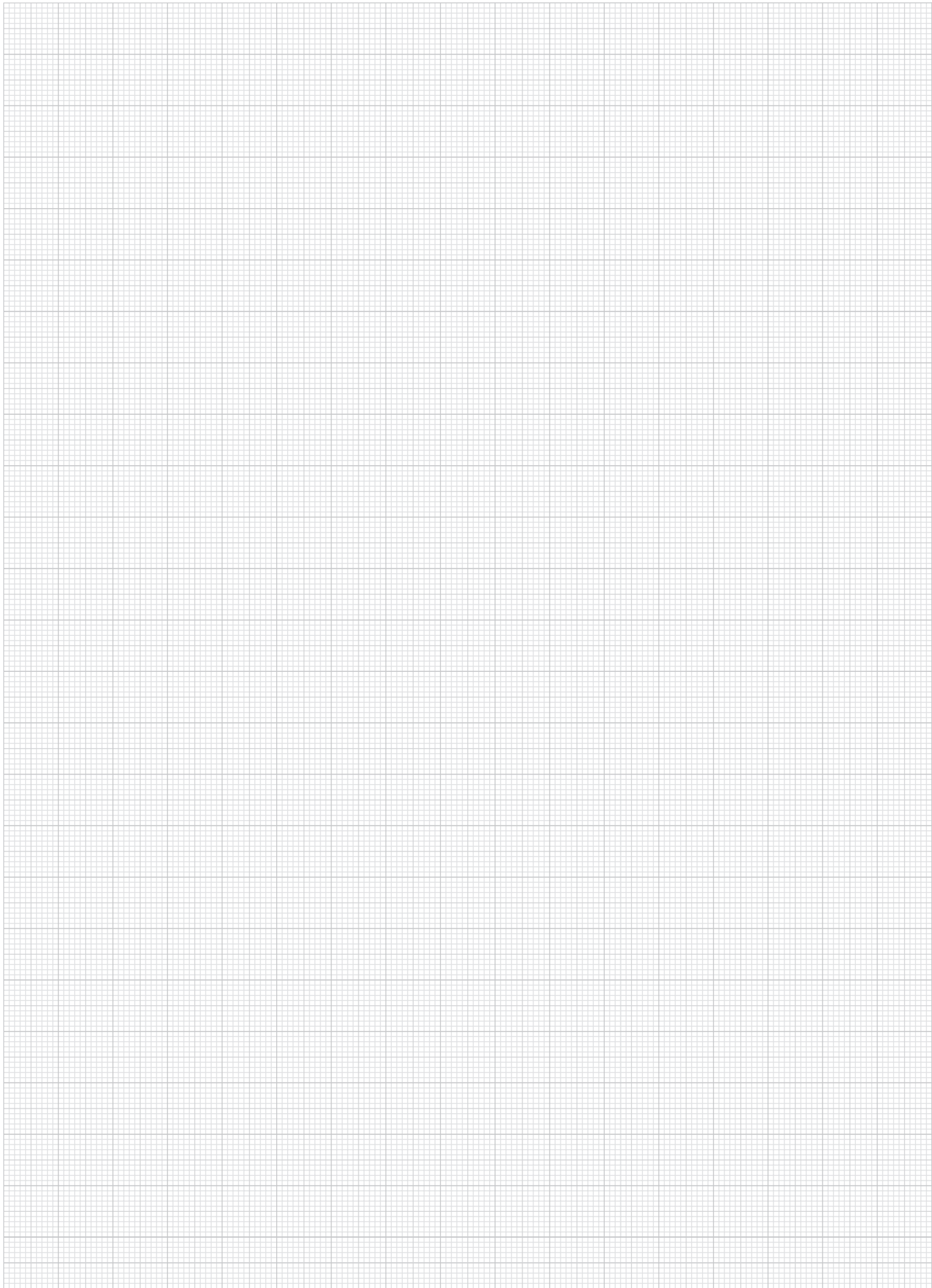
1) C for socket head screw ISO 4762



Order No.	Size	B	C	D1	D2	D3	D4	L	L1
24082-010	10	35	M3	8	28	35	43	12	5
24082-012	12	42	M4	10	34	42	52	15	8
24082-015	15	52	M5	15	40	50	63	17	8
24082-020	20	68	M6	20	57	70	85	20	9

Order No.	Dynamic load rating N	Static load rating N
24082-010	3250	1400
24082-012	4550	1960
24082-015	5600	2840
24082-020	9300	5000

Notes



2000
2100
2200
2300
2400
2600
2700
2800
2900
3100
3200
3300

Miniature ball screw linear actuators

ground, with flange nut



Material:

Spindle 1.1213 steel or 1.4112 stainless steel.
Nut 1.3505 steel or 1.4034 stainless steel.

Version:

Spindle and nut ground, induction hardened to 62 ± 2 HRC and polished.

Sample order:

nlm 24100-0810050

Note:

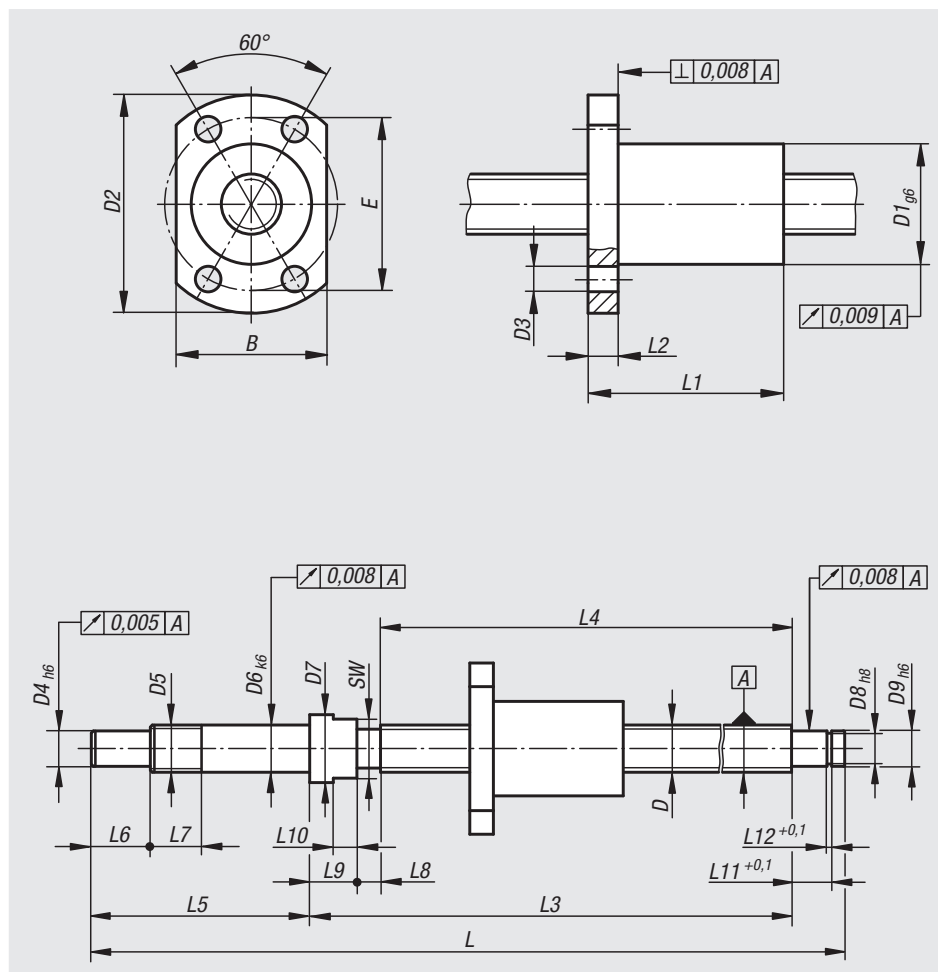
Miniature ball screw linear actuators with machined shaft ends and flange nuts. Supplied with oil coating. Re-lubrication is recommended.

Produced acc. to precision class C5. Without preloading with backlash (max. 0.008 mm).

Precision spindles for use in optics, the food industry, automation, medical technology, the defence industry, aeronautics and precision tool technology.

Attention:

The flange nut must not be removed from the spindle, otherwise the balls fall out.



Order No.	Main material	D	Pitch	Travel S	B	D1	D2	D3	D4	D5	D6	D7	D8	D9	E	L	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	L12
24100-0810050	steel	8	1	50	18	14	27	3,4	6	M8x1	8	11,5	5,7	6	21	148	16	4	102	90	37	10	9	4	8	4	6,8	0,8
24100-0810100	steel	8	1	100	18	14	27	3,4	6	M8x1	8	11,5	5,7	6	21	198	16	4	152	140	37	10	9	4	8	4	6,8	0,8
24100-0810150	steel	8	1	150	18	14	27	3,4	6	M8x1	8	11,5	5,7	6	21	248	16	4	202	190	37	10	9	4	8	4	6,8	0,8
24100-0820050	steel	8	2	50	20	16	29	3,4	6	M8x1	8	11,5	5,7	6	23	148	26	4	102	90	37	10	9	4	8	4	6,8	0,8
24100-0820100	steel	8	2	100	20	16	29	3,4	6	M8x1	8	11,5	5,7	6	23	198	26	4	152	140	37	10	9	4	8	4	6,8	0,8
24100-0820150	steel	8	2	150	20	16	29	3,4	6	M8x1	8	11,5	5,7	6	23	248	26	4	202	190	37	10	9	4	8	4	6,8	0,8
24100-1020050	steel	10	2	50	22	18	35	4,5	6	M8x1	8	11,5	5,7	6	27	158	28	5	112	100	37	10	9	4	8	4	6,8	0,8
24100-1020100	steel	10	2	100	22	18	35	4,5	6	M8x1	8	11,5	5,7	6	27	208	28	5	162	150	37	10	9	4	8	4	6,8	0,8
24100-1020150	steel	10	2	150	22	18	35	4,5	6	M8x1	8	11,5	5,7	6	27	258	28	5	212	200	37	10	9	4	8	4	6,8	0,8
24100-1020200	steel	10	2	200	22	18	35	4,5	6	M8x1	8	11,5	5,7	6	27	308	28	5	262	250	37	10	9	4	8	4	6,8	0,8
24100-1220050	steel	12	2	50	24	20	37	4,5	8	M10x1	10	14	7,6	8	29	180	28	5	125	110	45	15	10	5	10	5	7,9	0,9
24100-1220100	steel	12	2	100	24	20	37	4,5	8	M10x1	10	14	7,6	8	29	230	28	5	175	160	45	15	10	5	10	5	7,9	0,9
24100-1220150	steel	12	2	150	24	20	37	4,5	8	M10x1	10	14	7,6	8	29	280	28	5	225	210	45	15	10	5	10	5	7,9	0,9
24100-1220200	steel	12	2	200	24	20	37	4,5	8	M10x1	10	14	7,6	8	29	330	28	5	275	260	45	15	10	5	10	5	7,9	0,9
24100-1220250	steel	12	2	250	24	20	37	4,5	8	M10x1	10	14	7,6	8	29	380	28	5	325	310	45	15	10	5	10	5	7,9	0,9

Miniature ball screw linear actuators

ground, with flange nut

Order No.	Main material	D	Pitch	Travel S	B	D1	D2	D3	D4	D5	D6	D7	D8	D9	E	L	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	L12
24100-10810050	stainless steel	8	1	50	18	14	27	3,4	6	M8x1	8	11,5	5,7	6	21	148	16	4	102	90	37	10	9	4	8	4	6,8	0,8
24100-10810100	stainless steel	8	1	100	18	14	27	3,4	6	M8x1	8	11,5	5,7	6	21	198	16	4	152	140	37	10	9	4	8	4	6,8	0,8
24100-10810150	stainless steel	8	1	150	18	14	27	3,4	6	M8x1	8	11,5	5,7	6	21	248	16	4	202	190	37	10	9	4	8	4	6,8	0,8
24100-10820050	stainless steel	8	2	50	20	16	29	3,4	6	M8x1	8	11,5	5,7	6	23	148	26	4	102	90	37	10	9	4	8	4	6,8	0,8
24100-10820100	stainless steel	8	2	100	20	16	29	3,4	6	M8x1	8	11,5	5,7	6	23	198	26	4	152	140	37	10	9	4	8	4	6,8	0,8
24100-10820150	stainless steel	8	2	150	20	16	29	3,4	6	M8x1	8	11,5	5,7	6	23	248	26	4	202	190	37	10	9	4	8	4	6,8	0,8
24100-11020050	stainless steel	10	2	50	22	18	35	4,5	6	M8x1	8	11,5	5,7	6	27	158	28	5	112	100	37	10	9	4	8	4	6,8	0,8
24100-11020100	stainless steel	10	2	100	22	18	35	4,5	6	M8x1	8	11,5	5,7	6	27	208	28	5	162	150	37	10	9	4	8	4	6,8	0,8
24100-11020150	stainless steel	10	2	150	22	18	35	4,5	6	M8x1	8	11,5	5,7	6	27	258	28	5	212	200	37	10	9	4	8	4	6,8	0,8
24100-11020200	stainless steel	10	2	200	22	18	35	4,5	6	M8x1	8	11,5	5,7	6	27	308	28	5	262	250	37	10	9	4	8	4	6,8	0,8
24100-11220050	stainless steel	12	2	50	24	20	37	4,5	8	M10x1	10	14	7,6	8	29	180	28	5	125	110	45	15	10	5	10	5	7,9	0,9
24100-11220100	stainless steel	12	2	100	24	20	37	4,5	8	M10x1	10	14	7,6	8	29	230	28	5	175	160	45	15	10	5	10	5	7,9	0,9
24100-11220150	stainless steel	12	2	150	24	20	37	4,5	8	M10x1	10	14	7,6	8	29	280	28	5	225	210	45	15	10	5	10	5	7,9	0,9
24100-11220200	stainless steel	12	2	200	24	20	37	4,5	8	M10x1	10	14	7,6	8	29	330	28	5	275	260	45	15	10	5	10	5	7,9	0,9
24100-11220250	stainless steel	12	2	250	24	20	37	4,5	8	M10x1	10	14	7,6	8	29	380	28	5	325	310	45	15	10	5	10	5	7,9	0,9

Order No.	Main material	SW	No. of support circulations	Pitch angle	Ball Ø	Dynamic load rating N	Static load rating N	Max. rpm
24100-0810050	steel	10	1 x 3	2° 13'	0,8	700	1300	3200
24100-0810100	steel	10	1 x 3	2° 13'	0,8	700	1300	3200
24100-0810150	steel	10	1 x 3	2° 13'	0,8	700	1300	3200
24100-0820050	steel	10	1 x 3	4° 23'	1,6	1350	2250	4200
24100-0820100	steel	10	1 x 3	4° 23'	1,6	1350	2250	4200
24100-0820150	steel	10	1 x 3	4° 23'	1,6	1350	2250	4200
24100-1020050	steel	10	1 x 3	2° 32'	1,6	1500	2900	4000
24100-1020100	steel	10	1 x 3	2° 32'	1,6	1500	2900	4000
24100-1020150	steel	10	1 x 3	2° 32'	1,6	1500	2900	4000
24100-1020200	steel	10	1 x 3	2° 32'	1,6	1500	2900	4000
24100-1220050	steel	12	1 x 3	2° 58'	1,6	1700	3700	3400
24100-1220100	steel	12	1 x 3	2° 58'	1,6	1700	3700	3400
24100-1220150	steel	12	1 x 3	2° 58'	1,6	1700	3700	3400
24100-1220200	steel	12	1 x 3	2° 58'	1,6	1700	3700	3400
24100-1220250	steel	12	1 x 3	2° 58'	1,6	1700	3700	3400
24100-10810050	stainless steel	10	1 x 3	2° 13'	0,8	670	1290	3000
24100-10810100	stainless steel	10	1 x 3	2° 13'	0,8	670	1290	3000
24100-10810150	stainless steel	10	1 x 3	2° 13'	0,8	670	1290	3000
24100-10820050	stainless steel	10	1 x 3	4° 23'	1,6	900	1500	3000
24100-10820100	stainless steel	10	1 x 3	4° 23'	1,6	900	1500	3000
24100-10820150	stainless steel	10	1 x 3	4° 23'	1,6	900	1500	3000
24100-11020050	stainless steel	10	1 x 3	2° 32'	1,6	1500	2900	3000
24100-11020100	stainless steel	10	1 x 3	2° 32'	1,6	1500	2900	3000
24100-11020150	stainless steel	10	1 x 3	2° 32'	1,6	1500	2900	3000
24100-11020200	stainless steel	10	1 x 3	2° 32'	1,6	1500	2900	3000
24100-11220050	stainless steel	12	1 x 3	2° 58'	1,6	1660	3620	3000
24100-11220100	stainless steel	12	1 x 3	2° 58'	1,6	1660	3620	3000
24100-11220150	stainless steel	12	1 x 3	2° 58'	1,6	1660	3620	3000
24100-11220200	stainless steel	12	1 x 3	2° 58'	1,6	1660	3620	3000
24100-11220250	stainless steel	12	1 x 3	2° 58'	1,6	1660	3620	3000

Miniature ball screw linear actuators

ground, with screw-in cylinder nut



Material:

Spindle 1.1213 steel or 1.4112 stainless steel.
Nut 1.3505 steel or 1.4034 stainless steel.

Version:

Spindle and nut ground, induction hardened to 62 ± 2 HRC and polished.

Sample order:

nlm 24105-0810050

Note:

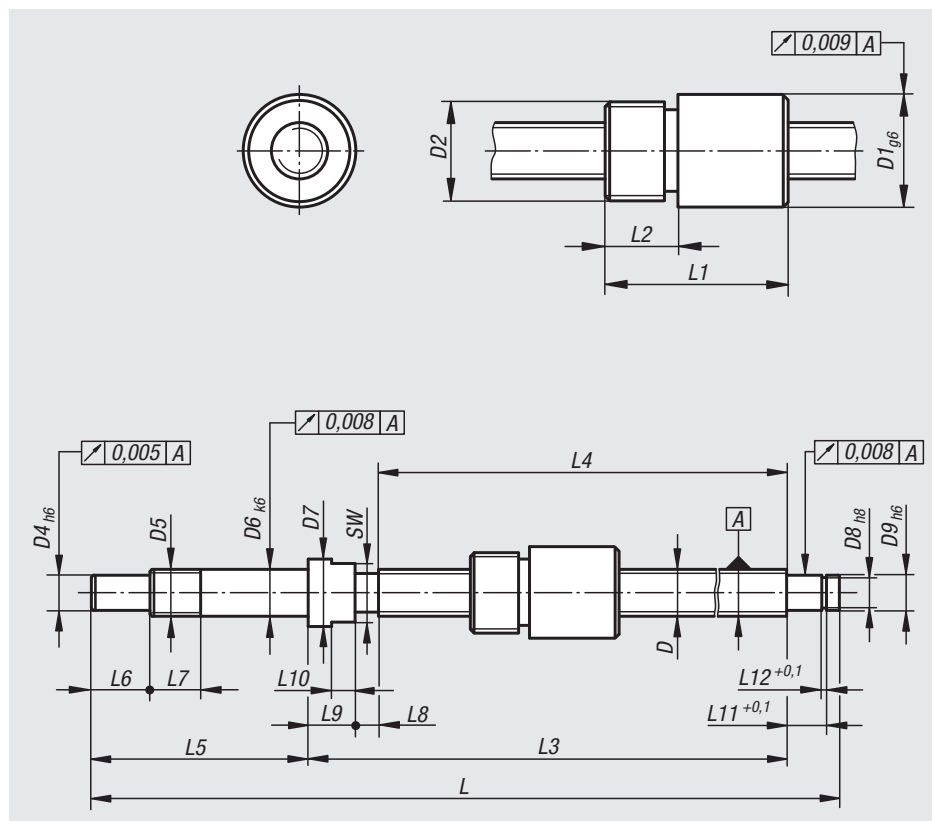
Miniature ball screw linear actuators with machined shaft ends and screw-on barrel nut. Supplier with oil coating. Re-lubrication is recommended.

Produced acc. to precision class C5. Without preloading with backlash (max. 0.008 mm).

Precision spindles for use in optics, the food industry, automation, medical technology, the defence industry, aeronautics and precision tool technology.

Attention:

The screw-in cylinder nut must not be removed from the spindle, otherwise the balls fall out.



Order No.	Main material	D	Pitch	Travel S	D1	D2	D4	D5	D6	D7	D8	D9	L	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	L12
24105-0810050	steel	8	1	50	16	M14x1	6	M8x1	8	11,5	5,7	6	148	22	8	102	90	37	10	9	4	8	4	6,8	0,8
24105-0810100	steel	8	1	100	16	M14x1	6	M8x1	8	11,5	5,7	6	198	22	8	152	140	37	10	9	4	8	4	6,8	0,8
24105-0810150	steel	8	1	150	16	M14x1	6	M8x1	8	11,5	5,7	6	248	22	8	202	190	37	10	9	4	8	4	6,8	0,8
24105-0820050	steel	8	2	50	16	M14x1	6	M8x1	8	11,5	5,7	6	148	27	8	102	90	37	10	9	4	8	4	6,8	0,8
24105-0820100	steel	8	2	100	16	M14x1	6	M8x1	8	11,5	5,7	6	198	27	8	152	140	37	10	9	4	8	4	6,8	0,8
24105-0820150	steel	8	2	150	16	M14x1	6	M8x1	8	11,5	5,7	6	248	27	8	202	190	37	10	9	4	8	4	6,8	0,8
24105-1020050	steel	10	2	50	18	M16x1	6	M8x1	8	11,5	5,7	6	158	28,5	7	112	100	37	10	9	4	8	4	6,8	0,8
24105-1020100	steel	10	2	100	18	M16x1	6	M8x1	8	11,5	5,7	6	208	28,5	7	162	150	37	10	9	4	8	4	6,8	0,8
24105-1020150	steel	10	2	150	18	M16x1	6	M8x1	8	11,5	5,7	6	258	28,5	7	212	200	37	10	9	4	8	4	6,8	0,8
24105-1020200	steel	10	2	200	18	M16x1	6	M8x1	8	11,5	5,7	6	308	28,5	7	262	250	37	10	9	4	8	4	6,8	0,8
24105-1220050	steel	12	2	50	20,5	M18x1	8	M10x1	10	14	7,6	8	180	29	10	125	110	45	15	10	5	10	5	7,9	0,9
24105-1220100	steel	12	2	100	20,5	M18x1	8	M10x1	10	14	7,6	8	230	29	10	175	160	45	15	10	5	10	5	7,9	0,9
24105-1220150	steel	12	2	150	20,5	M18x1	8	M10x1	10	14	7,6	8	280	29	10	225	210	45	15	10	5	10	5	7,9	0,9
24105-1220200	steel	12	2	200	20,5	M18x1	8	M10x1	10	14	7,6	8	330	29	10	275	260	45	15	10	5	10	5	7,9	0,9
24105-1220250	steel	12	2	250	20,5	M18x1	8	M10x1	10	14	7,6	8	380	29	10	325	310	45	15	10	5	10	5	7,9	0,9

Miniature ball screw linear actuators

ground, with screw-in cylinder nut

Order No.	Main material	D	Pitch	Travel S	D1	D2	D4	D5	D6	D7	D8	D9	L	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	L12
24105-10810050	stainless steel	8	1	50	16	M14x1	6	M8x1	8	11,5	5,7	6	148	22	8	102	90	37	10	9	4	8	4	6,8	0,8
24105-10810100	stainless steel	8	1	100	16	M14x1	6	M8x1	8	11,5	5,7	6	198	22	8	152	140	37	10	9	4	8	4	6,8	0,8
24105-10810150	stainless steel	8	1	150	16	M14x1	6	M8x1	8	11,5	5,7	6	248	22	8	202	190	37	10	9	4	8	4	6,8	0,8
24105-10820050	stainless steel	8	2	50	16	M14x1	6	M8x1	8	11,5	5,7	6	148	27	8	102	90	37	10	9	4	8	4	6,8	0,8
24105-10820100	stainless steel	8	2	100	16	M14x1	6	M8x1	8	11,5	5,7	6	198	27	8	152	140	37	10	9	4	8	4	6,8	0,8
24105-10820150	stainless steel	8	2	150	16	M14x1	6	M8x1	8	11,5	5,7	6	248	27	8	202	190	37	10	9	4	8	4	6,8	0,8
24105-11020050	stainless steel	10	2	50	18	M16x1	6	M8x1	10	11,5	5,7	6	158	28,5	10	112	100	37	10	9	4	8	4	6,8	0,8
24105-11020100	stainless steel	10	2	100	18	M16x1	6	M8x1	10	11,5	5,7	6	208	28,5	10	162	150	37	10	9	4	8	4	6,8	0,8
24105-11020150	stainless steel	10	2	150	18	M16x1	6	M8x1	10	11,5	5,7	6	258	28,5	10	212	200	37	10	9	4	8	4	6,8	0,8
24105-11020200	stainless steel	10	2	200	18	M16x1	6	M8x1	10	11,5	5,7	6	308	28,5	10	262	250	37	10	9	4	8	4	6,8	0,8
24105-11220050	stainless steel	12	2	50	20,5	M18x1	8	M10x1	12	14	7,6	8	180	29	12	125	110	45	15	10	5	10	5	7,9	0,9
24105-11220100	stainless steel	12	2	100	20,5	M18x1	8	M10x1	12	14	7,6	8	230	29	12	175	160	45	15	10	5	10	5	7,9	0,9
24105-11220150	stainless steel	12	2	150	20,5	M18x1	8	M10x1	12	14	7,6	8	280	29	12	225	210	45	15	10	5	10	5	7,9	0,9
24105-11220200	stainless steel	12	2	200	20,5	M18x1	8	M10x1	12	14	7,6	8	330	29	12	275	260	45	15	10	5	10	5	7,9	0,9
24105-11220250	stainless steel	12	2	250	20,5	M18x1	8	M10x1	12	14	7,6	8	380	29	12	325	310	45	15	10	5	10	5	7,9	0,9

Order No.	Main material	SW	No. of support circulations	Pitch angle	Ball Ø	Dynamic load rating N	Static load rating N	Max. rpm
24105-0810050	steel	10	1 x 3	2° 13'	0,8	700	1300	3200
24105-0810100	steel	10	1 x 3	2° 13'	0,8	700	1300	3200
24105-0810150	steel	10	1 x 3	2° 13'	0,8	700	1300	3200
24105-0820050	steel	10	1 x 3	4° 23'	1,6	1350	2250	4200
24105-0820100	steel	10	1 x 3	4° 23'	1,6	1350	2250	4200
24105-0820150	steel	10	1 x 3	4° 23'	1,6	1350	2250	4200
24105-1020050	steel	10	1 x 3	2° 32'	1,6	1500	2900	4000
24105-1020100	steel	10	1 x 3	2° 32'	1,6	1500	2900	4000
24105-1020150	steel	10	1 x 3	2° 32'	1,6	1500	2900	4000
24105-1020200	steel	10	1 x 3	2° 32'	1,6	1500	2900	4000
24105-1220050	steel	12	1 x 3	2° 58'	1,6	1700	3700	3400
24105-1220100	steel	12	1 x 3	2° 58'	1,6	1700	3700	3400
24105-1220150	steel	12	1 x 3	2° 58'	1,6	1700	3700	3400
24105-1220200	steel	12	1 x 3	2° 58'	1,6	1700	3700	3400
24105-1220250	steel	12	1 x 3	2° 58'	1,6	1700	3700	3400
24105-10810050	stainless steel	10	1 x 3	2° 13'	0,8	670	1290	3000
24105-10810100	stainless steel	10	1 x 3	2° 13'	0,8	670	1290	3000
24105-10810150	stainless steel	10	1 x 3	2° 13'	0,8	670	1290	3000
24105-10820050	stainless steel	10	1 x 3	4° 23'	1,6	900	1500	3000
24105-10820100	stainless steel	10	1 x 3	4° 23'	1,6	900	1500	3000
24105-10820150	stainless steel	10	1 x 3	4° 23'	1,6	900	1500	3000
24105-11020050	stainless steel	10	1 x 3	2° 32'	1,6	1500	2900	3000
24105-11020100	stainless steel	10	1 x 3	2° 32'	1,6	1500	2900	3000
24105-11020150	stainless steel	10	1 x 3	2° 32'	1,6	1500	2900	3000
24105-11020200	stainless steel	10	1 x 3	2° 32'	1,6	1500	2900	3000
24105-11220050	stainless steel	12	1 x 3	2° 58'	1,6	1660	3620	3000
24105-11220100	stainless steel	12	1 x 3	2° 58'	1,6	1660	3620	3000
24105-11220150	stainless steel	12	1 x 3	2° 58'	1,6	1660	3620	3000
24105-11220200	stainless steel	12	1 x 3	2° 58'	1,6	1660	3620	3000
24105-11220250	stainless steel	12	1 x 3	2° 58'	1,6	1660	3620	3000

Pillow block bearing pedestal type UCP


Material:

Housing, grey cast iron.
Bearing, ball-bearing steel 100Cr6.
Seal, rubber NBR.

Version:

Housing, painted.

Sample order:

nlm 24200-12201

Note:

Pillow block bearings consist of a sealed single-row ball bearing with a spherical outer ring which is mounted in a housing. Because of the spherical outer surface of the bearing, shaft misalignment can be compensated for. The bearings are manufactured with a plus tolerance. This results in transition or press fits when using shafts with h-tolerances. The shaft is secured by grub screws on the inner ring.

In normal applications, pillow block bearings are maintenance-free due to the lifetime lubrication. In difficult environmental conditions re-lubrication can be carried out over the grease nipple.

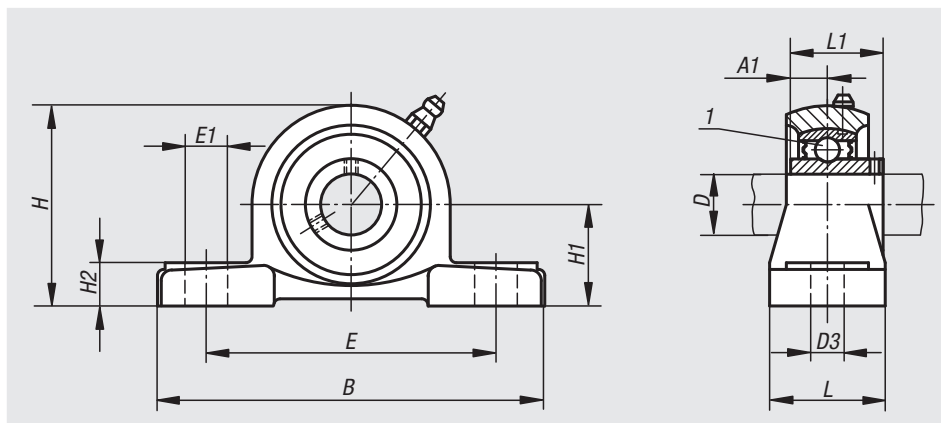
All housing dimensions are nominal dimensions for which the usual casting tolerances must be taken into consideration.

Temperature range:

-15 °C to +100 °C.

Drawing reference:

1) ball bearing



Order No.	Bearing	Housing	D	A1	B	D3	E	E1	H	H1	H2	L	L1	α	Fastening screw
24200-12201	UC 201	P 201	12	12,7	127	13	95	19	65	30,2	14	38	31	10°	M10
24200-15202	UC 202	P 202	15	12,7	127	13	95	19	65	30,2	14	38	31	10°	M10
24200-17203	UC 203	P 203	17	12,7	127	13	95	19	65	30,2	14	38	31	10°	M10
24200-20204	UC 204	P 204	20	12,7	127	13	95	19	65	33,3	14	38	31	10°	M10
24200-25205	UC 205	P 205	25	14,3	140	13	105	19	71	36,5	15	38	34	10°	M10
24200-30206	UC 206	P 206	30	15,9	165	17	121	20	84	42,9	17	44	38,1	10°	M14
24200-35207	UC 207	P 207	35	17,5	167	17	127	20	93	47,6	18	48	42,9	10°	M14
24200-40208	UC 208	P 208	40	19	184	17	137	20	100	49,2	18	54	49,2	10°	M14
24200-45209	UC 209	P 209	45	19	190	17	146	20	106	54	20	54	49,2	10°	M14
24200-50210	UC 210	P 210	50	19	206	20	159	23	113	57,2	21	60	51,6	10°	M16
24200-55211	UC 211	P 211	55	22,2	219	20	171	23	125	63,5	23	60	55,6	10°	M16
24200-60212	UC 212	P 212	60	25,4	241	20	184	23	138	69,8	25	70	65,1	10°	M16

Pillow block bearing flange type UCF


Material:

Housing, grey cast iron.
Bearing, ball-bearing steel 100Cr6.
Seal, rubber NBR.

Version:

Housing, painted.

Sample order:

nlm 24210-12201

Note:

Pillow block bearings consist of a sealed single-row ball bearing with a spherical outer ring which is mounted in a housing. Because of the spherical outer surface of the bearing, shaft misalignment can be compensated for. The bearings are manufactured with a plus tolerance. This results in transition or press fits when using shafts with h-tolerances. The shaft is secured by grub screws on the inner ring.

In normal applications, pillow block bearings are maintenance-free due to the lifetime lubrication. In difficult environmental conditions re-lubrication can be carried out over the grease nipple.

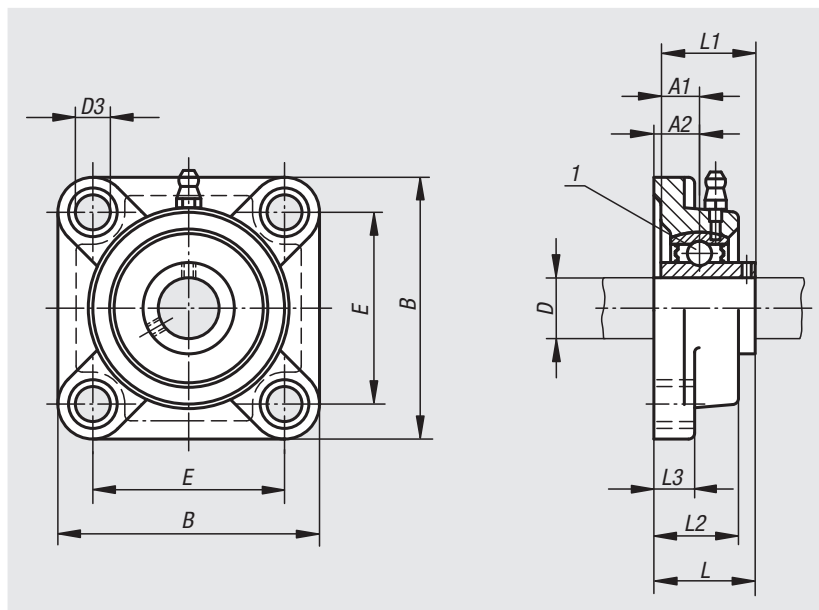
All housing dimensions are nominal dimensions for which the usual casting tolerances must be taken into consideration.

Temperature range:

-15 °C to +100 °C.

Drawing reference:

1) ball bearing



Order No.	Bearing	Housing	D	A1	A2	B	D3	E	L	L1	L2	L3	α	Fastening screw
24210-12201	UC 201	F 201	12	12,7	15	86	12	64	33,3	31	25,5	12	10°	M10
24210-15202	UC 202	F 202	15	12,7	15	86	12	64	33,3	31	25,5	12	10°	M10
24210-17203	UC 203	F 203	17	12,7	15	86	12	64	33,3	31	25,5	12	10°	M10
24210-20204	UC 204	F 204	20	12,7	15	86	12	64	33,3	31	25,5	12	10°	M10
24210-25205	UC 205	F 205	25	14,3	16	95	12	70	35,8	34	27	14	10°	M10
24210-30206	UC 206	F 206	30	15,9	18	108	12	83	40,2	38,1	31	14	10°	M10
24210-35207	UC 207	F 207	35	17,5	19	117	14	92	44,4	42,9	34	16	10°	M12
24210-40208	UC 208	F 208	40	19	21	130	16	102	51,2	49,2	36	16	10°	M14
24210-45209	UC 209	F 209	45	19	22	137	16	105	52,2	49,2	38	18	10°	M14
24210-50210	UC 210	F 210	50	19	22	143	16	111	54,6	51,6	40	18	10°	M14
24210-55211	UC 211	F 211	55	22,2	25	162	19	130	58,4	55,6	43	20	10°	M16
24210-60212	UC 212	F 212	60	25,4	29	175	19	143	68,7	65,1	48	20	10°	M16

Pillow block bearing flange type UCFC

with centring hub



Material:

Housing, grey cast iron.
Bearing, ball-bearing steel 100Cr6.
Seal, rubber NBR.

Version:

Housing, painted.

Sample order:

nln 24212-20204

Note:

Pillow block bearings consist of a sealed single-row ball bearing with a spherical outer ring which is mounted in a housing. Because of the spherical outer surface of the bearing, shaft misalignment can be compensated for. The bearings are manufactured with a plus tolerance. This results in transition or press fits when using shafts with h-tolerances. The shaft is secured by grub screws on the inner ring.

In normal applications, pillow block bearings are maintenance-free due to the lifetime lubrication. In difficult environmental conditions re-lubrication can be carried out over the grease nipple.

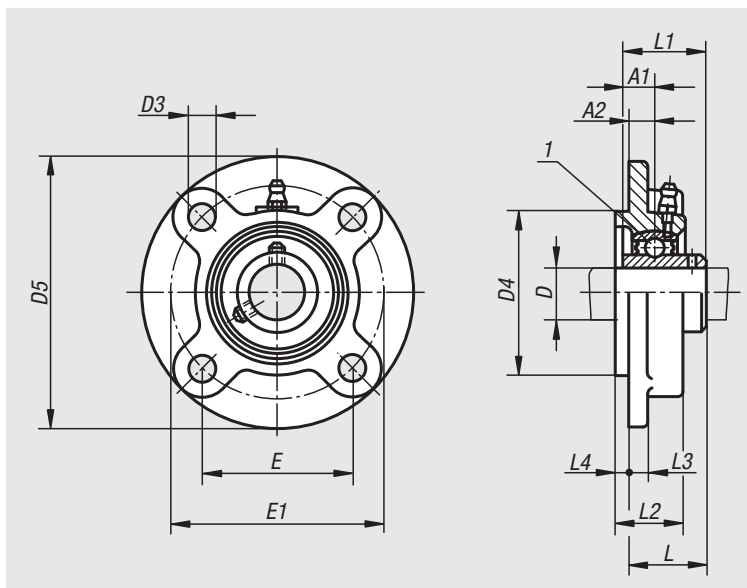
All housing dimensions are nominal dimensions for which the usual casting tolerances must be taken into consideration.

Temperature range:

-15 °C to +100 °C.

Drawing reference:

1) ball bearing



Order No.	Bearing	Housing	D	A1	A2	D3	D4	D5	E	E1	L	L1	L2	L3	L4	α	Fastening screw
24212-20204	UC 204	FC 204	20	12,7	10	12	62	100	55,1	78	28,3	31	20,5	7	5	10°	M10
24212-25205	UC 205	FC 205	25	14,3	10	12	70	115	63,6	90	29,8	34	21	7	6	10°	M10
24212-30206	UC 206	FC 206	30	15,9	10	12	80	125	70,7	100	32,2	38,1	23	8	8	10°	M10
24212-35207	UC 207	FC 207	35	17,5	11	14	90	135	77,8	110	36,4	42,9	26	9	8	10°	M12
24212-40208	UC 208	FC 208	40	19	11	14	100	145	84,8	120	41,2	49,2	26	9	10	10°	M12
24212-45209	UC 209	FC 209	45	19	10	16	105	160	93,3	132	40,2	49,2	26	14	12	10°	M14
24212-50210	UC 210	FC 210	50	19	10	16	110	165	97,6	138	42,6	51,6	28	14	12	10°	M14
24212-55211	UC 211	FC 211	55	22,2	13	19	125	185	106,1	150	46,4	55,6	31	15	12	10°	M16
24212-60212	UC 212	FC 212	60	25,4	17	19	135	195	113,1	160	56,7	65,1	36	15	12	10°	M16

Pillow block bearing flange type UCFL

2-hole



Material:

Housing, grey cast iron.
Bearing, ball-bearing steel 100Cr6.
Seal, rubber NBR.

Version:

Housing, painted.

Sample order:

nln 24215-12201

Note:

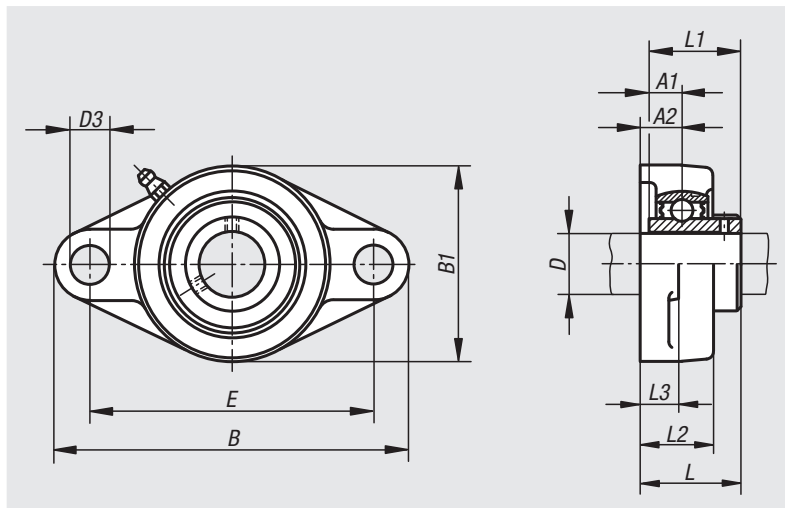
Pillow block bearings consist of a sealed single-row ball bearing with a spherical outer ring which is mounted in a housing. Because of the spherical outer surface of the bearing, shaft misalignment can be compensated for. The bearings are manufactured with a plus tolerance. This results in transition or press fits when using shafts with h-tolerances. The shaft is secured by grub screws on the inner ring.

In normal applications, pillow block bearings are maintenance-free due to the lifetime lubrication. In difficult environmental conditions re-lubrication can be carried out over the grease nipple.

All housing dimensions are nominal dimensions for which the usual casting tolerances must be taken into consideration.

Temperature range:

-15 °C to +100 °C.



Order No.	Bearing	Housing	D	A1	A2	B	B1	D3	E	L	L1	L2	L3	α	Fastening screw
24215-12201	UC 201	FL 201	12	12,7	15	113	60	12	90	33,3	31	25,5	11	10°	M10
24215-15202	UC 202	FL 202	15	12,7	15	113	60	12	90	33,3	31	25,5	11	10°	M10
24215-17203	UC 203	FL 203	17	12,7	15	113	60	12	90	33,3	31	25,5	11	10°	M10
24215-20204	UC 204	FL 204	20	12,7	15	113	60	12	90	33,3	31	25,5	11	10°	M10
24215-25205	UC 205	FL 205	25	14,3	16	130	68	16	99	35,8	34	27	13	10°	M14
24215-30206	UC 206	FL 206	30	15,9	18	148	80	16	117	40,2	38,1	31	13	10°	M14
24215-35207	UC 207	FL 207	35	17,5	19	161	90	16	130	44,4	42,9	34	14	10°	M14
24215-40208	UC 208	FL 208	40	19	21	175	100	16	144	51,2	49,2	36	14	10°	M14
24215-45209	UC 209	FL 209	45	19	22	188	108	19	148	52,2	49,2	38	15	10°	M16
24215-50210	UC 210	FL 210	50	19	22	197	115	19	157	54,6	51,6	40	15	10°	M16
24215-55211	UC 211	FL 211	55	22,2	25	224	130	19	184	58,4	55,6	43	18	10°	M16
24215-60212	UC 212	FL 212	60	25,4	29	250	140	23	202	68,7	65,1	48	18	10°	M20

Pillow block bearing pedestal type BPP


Material:

Housing, steel
Bearing, ball-bearing steel 100Cr6.
Seal, rubber NBR.

Version:

Housing, electro zinc-plated.

Sample order:

nlm 24225-12201

Note:

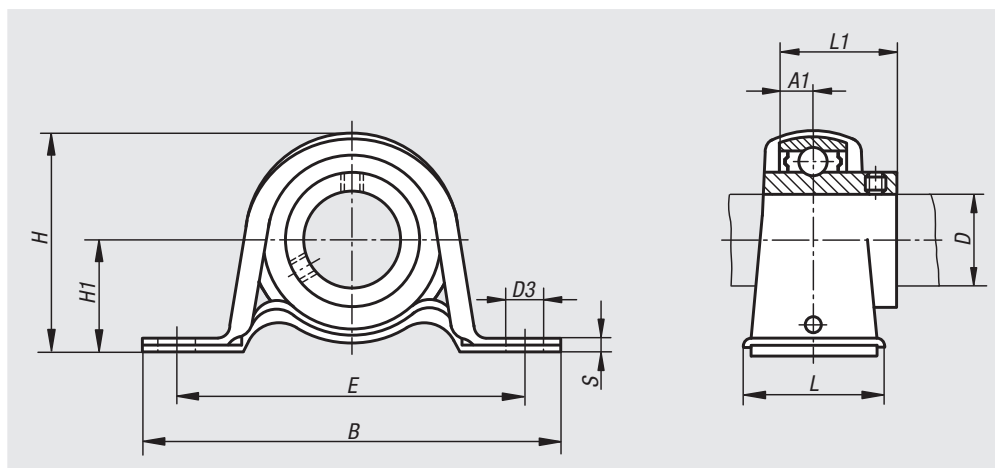
Pillow block bearings consist of a sealed single-row ball bearing with a spherical outer ring which is mounted in a sheet steel housing. Because of the spherical outer surface of the bearing, shaft misalignment can be compensated for. The bearings are manufactured with a plus tolerance. This results in transition or press fits when using shafts with h-tolerances. The shaft is secured by grub screws on the inner ring.

In normal applications, pillow block bearings are maintenance-free due to the lifetime lubrication.

Do not exceed the housing load. It is less than the load rating of the bearings.

Temperature range:

-15 °C to +100 °C.



Order No.	Bearing	Housing	D	A1	B	D3	E	H	H1	L	L1	S	α	Fastening screw	max. static load kN
24225-12201	B 201	PP 201	12	6	86	9,5	68	43,8	22,2	25	22	3,2	10°	M8	2,16
24225-15202	B 202	PP 202	15	6	86	9,5	68	43,8	22,2	25	22	3,2	10°	M8	2,16
24225-17203	B 203	PP 203	17	6	86	9,5	68	43,8	22,2	25	22	3,2	10°	M8	2,16
24225-20204	B 204	PP 204	20	7	98	9,5	76	50,5	25,4	32	25	3,2	10°	M8	2,62
24225-25205	B 205	PP 205	25	7,5	108	11,5	86	56,5	28,6	32	27	4	10°	M10	3,72
24225-30206	B 206	PP 206	30	8	117	11,5	95	66,3	33,3	38	30	4	10°	M10	4,41
24225-35207	B 207	PP 207	35	8,5	129	11,5	106	78	39,7	42	32	4,6	10°	M10	4,9

Insert bearing UC


Material:

Ball-bearing steel 100Cr6.
Seal, rubber NBR.

Version:

Sealed on both sides with a spherical outer ring.
Can be re-lubricated.

Sample order:

nlm 24230-20204

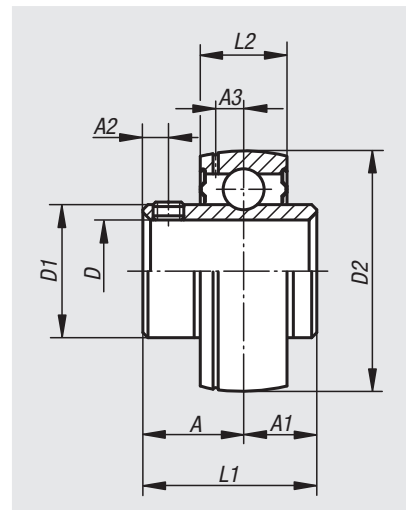
Note:

The internal construction of the insert bearings corresponds to that of standard Series 6200 and 6300 radial ball bearing. However, they have wider inner rings for easier fastening on shafts. The inner rings are manufactured with a plus tolerance. This results in transition or press fits when using shafts with h-tolerances. The shaft is secured by 2 grub screws positioned 120° apart on the inner ring.

The insert bearings are ready to install and are permanently lubricated with a suitable ball bearing grease. In normal applications, re-lubrication is not necessary.

Temperature range:

-15 °C to +100 °C.



Order No.	Bearing	D	A	A1	A2	A3	D1	D2	L1	L2	Grub screw	Dynamic base loads kN	Static base loads kN
24230-20204	UC 204	20	18,3	12,7	4,8	3,7	29	47	31	17	M6x0,75	9,88	6,2
24230-25205	UC 205	25	19,7	14,3	5	3,9	34	52	34	17	M6x0,75	10,78	6,98
24230-30206	UC 206	30	22,2	15,9	5	5	40,5	62	38,1	19	M6x0,75	14,97	10,04
24230-35207	UC 207	35	25,4	17,5	7	5,7	48	72	42,9	20	M8x1	19,75	13,67
24230-40208	UC 208	40	30,2	19	8	6,2	53	80	49,2	21	M8x1	22,71	15,94
24230-45209	UC 209	45	30,2	19	8	6,4	57,3	85	49,2	22	M8x1	24,36	17,71
24230-50210	UC 210	50	32,6	19	10	6,5	63	90	51,6	24	M10x1,25	26,98	19,84
24230-55211	UC 211	55	33,4	22,2	10	7	70	100	55,6	25	M10x1,25	33,37	25,11
24230-60212	UC 212	60	39,7	25,4	10	7,6	77	110	65,1	27	M10x1,25	36,74	27,97

Insert bearing B


Material:

Ball-bearing steel 100Cr6.
Seal, rubber NBR.

Version:

Sealed on both sides with a spherical outer ring.

Sample order:

nln 24235-12201

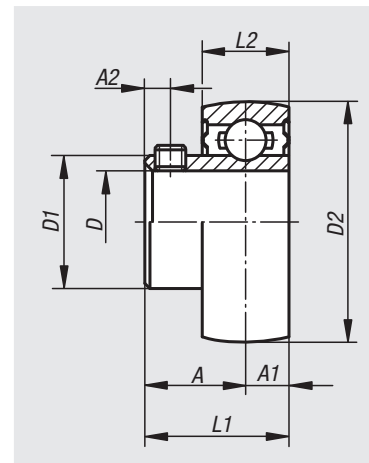
Note:

The internal construction of the insert bearings corresponds to that of standard Series 6200 and 6300 radial ball bearing. However, they have wider inner rings for easier fastening on shafts. The inner rings are manufactured with a plus tolerance. This results in transition or press fits when using shafts with h-tolerances. The shaft is secured by 2 grub screws positioned 120° apart on the inner ring.

The insert bearings are ready to install and are permanently lubricated with a suitable ball bearing grease.

Temperature range:

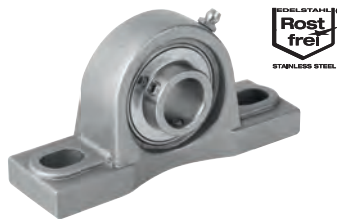
-15 °C to +100 °C.



Order No.	Bearing	D	A	A1	A2	D1	D2	L1	L2	Grub screw	Dynamic base loads kN	Static base loads kN
24235-12201	B 201	12	16	6	4,5	24,7	40	22	12	M5x0,8	7,36	4,48
24235-15202	B 202	15	16	6	4,5	24,7	40	22	12	M5x0,8	7,36	4,48
24235-17203	B 203	17	16	6	4,5	24,7	40	22	12	M5x0,8	7,36	4,48
24235-20204	B 204	20	18	7	4,5	29	47	25	14	M5x0,8	9,88	6,2
24235-25205	B 205	25	19,5	7,5	5,5	34	52	27	15	M6x0,75	10,78	6,98
24235-30206	B 206	30	22	8	6	40,5	62	30	16	M6x0,75	14,97	10,04
24235-35207	B 207	35	23,5	8,5	6,5	48	72	32	17	M8x1	19,75	13,67

Pillow block bearing pedestal type MUCP

stainless steel



Material:

Housing, stainless steel 1.4301.

Bearing, stainless steel 1.4125.

Seal, rubber NBR.

Version:

Bright.

Sample order:

nlm 24240-20204

Note:

Pillow block bearings consist of a sealed single-row ball bearing with a spherical outer ring which is mounted in a housing. Because of the spherical outer surface of the bearing, shaft misalignment can be compensated for. The bearings are manufactured with a plus tolerance. This results in transition or press fits when using shafts with h-tolerances. The shaft is secured by grub screws on the inner ring.

In normal applications, pillow block bearings are maintenance-free due to the lifetime lubrication. In difficult environmental conditions re-lubrication can be carried out over the grease nipple.

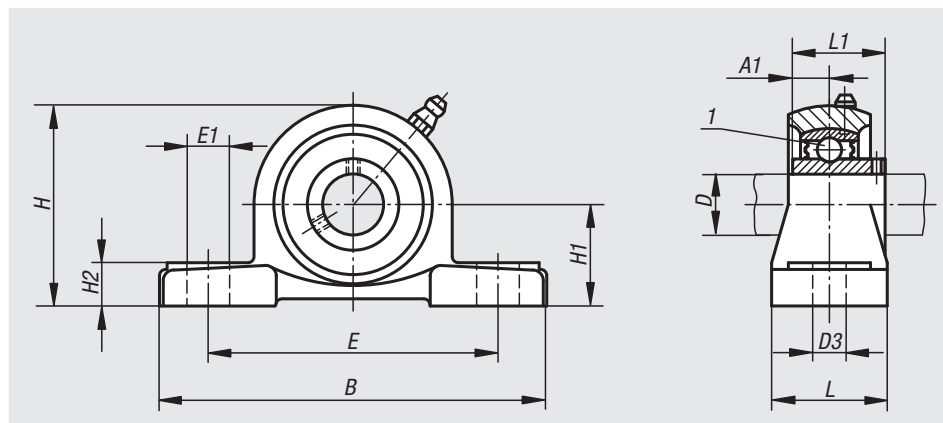
All housing dimensions are nominal dimensions for which the usual casting tolerances must be taken into consideration.

Temperature range:

-15 °C to +100 °C.

Drawing reference:

1) ball bearing



Order No.	Bearing	Housing	D	A1	B	D3	E	E1	H	H1	H2	L	L1	α	Fastening screw
24240-20204	MUC 204 / SUC 204	P 204	20	12,7	127	13	95	19	65	33,3	14	38	31	10°	M10
24240-25205	MUC 205 / SUC 205	P 205	25	14,3	140	13	105	19	71	36,5	15	38	34,1	10°	M10
24240-30206	MUC 206 / SUC 206	P 206	30	15,9	165	17	121	20	84	42,9	17	44	38,1	10°	M14
24240-35207	MUC 207 / SUC 207	P 207	35	17,5	167	17	127	20	93	47,6	18	48	42,9	10°	M14
24240-40208	MUC 208 / SUC 208	P 208	40	19	184	17	137	20	100	49,2	18	54	49,2	10°	M14
24240-45209	MUC 209 / SUC 209	P 209	45	19	190	17	146	20	106	54	20	54	49,2	10°	M14
24240-50210	MUC 210 / SUC 210	P 210	50	19	206	20	159	23	113	57,2	21	60	51,6	10°	M16

Pillow block bearing pedestal type


Material:

Housing 1.4301.
Ball bearing 1.4112.
Plain bearing POM.

Version:

Plain bearing white.
Stainless steel parts bright.

Sample order:

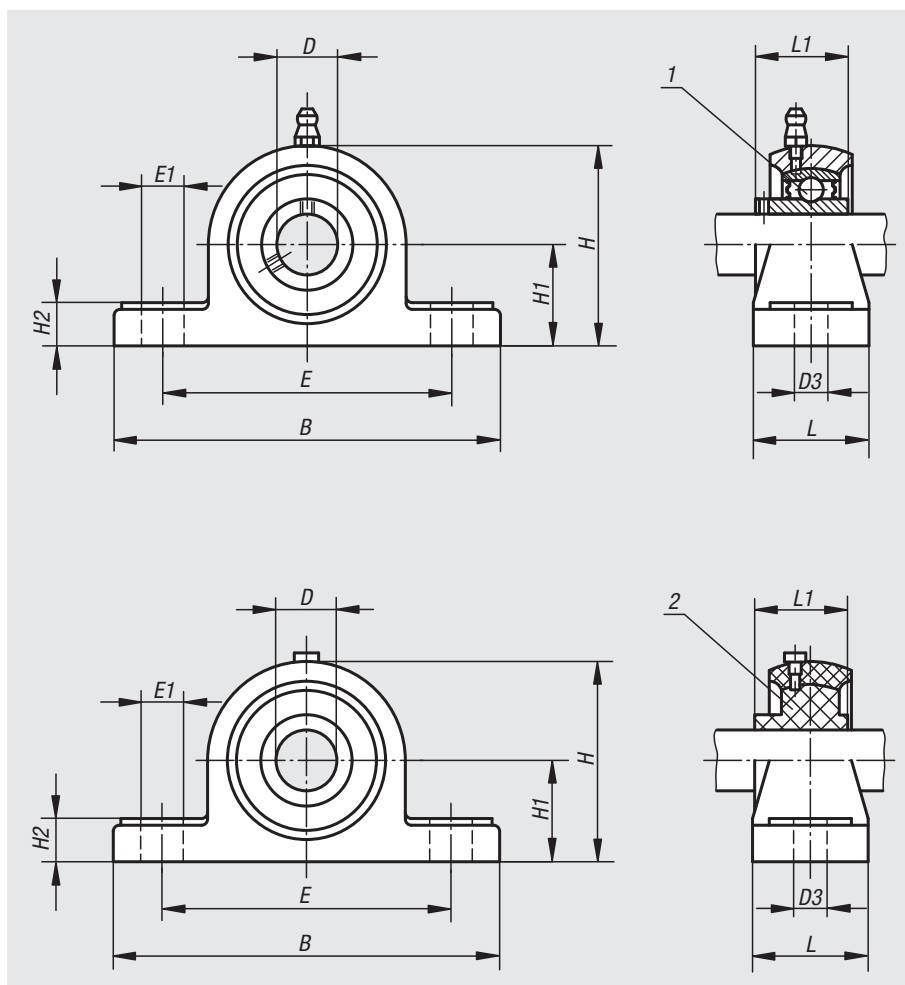
nlm 24240-01-12201

Note:

These stainless steel pillow block bearings have the same operating dimensions as the standard bearing housings of the major manufacturers, and can so be used or exchanged in existing constructions.

Drawing reference:

- 1) ball bearing
2) plain bearing

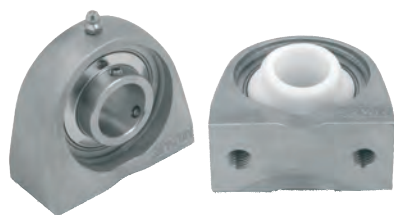

With ball bearing

Order No.	Housing	D	H1	B	H	E	E1	L	L1	D3	H2
24240-01-12201	201	12	33,3	126,1	64,4	95	19	38,2	31	13	15
24240-01-15202	202	15	33,3	126,1	64,4	95	19	38,2	31	13	15
24240-01-20204	204	20	33,3	126,1	64,4	95	19	38,2	31	13	15
24240-01-25205	205	25	36,5	140,6	69,7	105	19	38,2	34	13	15,7
24240-01-30206	206	30	43	165	83,2	121	21	48,2	38,1	17	18,3
24240-01-35207	207	35	47,6	167	94	127	21	48	42,9	17	19
24240-01-40208	208	40	49,2	184	100	137	23	54	49,2	17	19

With POM plain bearing

Order No.	Housing	D	H1	B	H	E	E1	L	L1	D3	H2
24240-01-112201	201	12	33,3	126,1	64,4	95	19	38,2	31	13	15
24240-01-115202	202	15	33,3	126,1	64,4	95	19	38,2	31	13	15
24240-01-120204	204	20	33,3	126,1	64,4	95	19	38,2	31	13	15
24240-01-125205	205	25	36,5	140,6	69,7	105	21	38,2	34	13	18,3
24240-01-130206	206	30	43	165	83,2	121	21	48,2	38,1	17	19
24240-01-135207	207	35	47,6	167	94	127	21	48	42,9	17	19
24240-01-140208	208	40	49,2	184	100	137	23	54	49,2	17	19

Pillow block bearing pedestal type


Material:

Housing 1.4301.
Ball bearing 1.4112.
Plain bearing POM.

Version:

Plain bearing white.
Stainless steel parts bright.

Sample order:

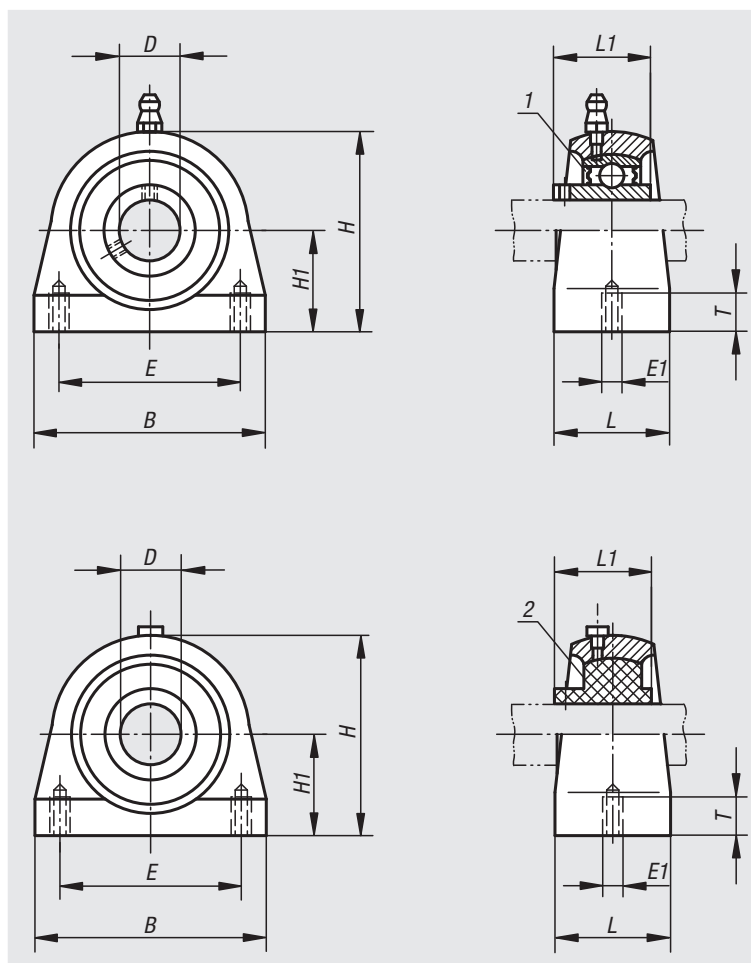
nIm 24241-01-12201

Note:

These stainless steel pillow block bearings have the same operating dimensions as the standard bearing housings of the major manufacturers, and can so be used or exchanged in existing constructions.

Drawing reference:

- 1) ball bearing
2) plain bearing


With ball bearing

Order No.	Housing	D	H1	B	H	E	E1	T	L	L1
24241-01-12201	201	12	33,3	73	65	50,8	M8	10	38	31
24241-01-15202	202	15	33,3	73	65	50,8	M8	10	38	31
24241-01-20204	204	20	33,3	73	65	50,8	M8	10	38	31
24241-01-25205	205	25	36,7	76	71	50,8	M10	12,5	38	34
24241-01-30206	206	30	42,9	102	86	76,1	M10	12,5	38	38,1
24241-01-35207	207	35	47,6	108	95	82,6	M10	12,5	48	42,9
24241-01-40208	208	40	49,2	117	100	88,9	M12	15	48	49,2

With POM plain bearing

Order No.	Housing	D	H1	B	H	E	E1	T	L	L1
24241-01-112201	201	12	33,3	73	65	50,8	M8	10	38	31
24241-01-115202	202	15	33,3	73	65	50,8	M8	10	38	31
24241-01-120204	204	20	33,3	73	65	50,8	M8	10	38	31
24241-01-125205	205	25	36,7	76	71	50,8	M10	12,5	38	34
24241-01-130206	206	30	42,9	102	86	76,1	M10	12,5	38	38,1
24241-01-135207	207	35	47,6	108	95	82,6	M10	12,5	48	42,9
24241-01-140208	208	40	49,2	117	100	88,9	M12	15	48	49,2

Pillow block bearing flange type MUCF

stainless steel



Material:

Housing, stainless steel 1.4301.

Bearing, stainless steel 1.4125.

Seal, rubber NBR.

Version:

Bright.

Sample order:

nlm 24242-20204

Note:

Pillow block bearings consist of a sealed single-row ball bearing with a spherical outer ring which is mounted in a housing. Because of the spherical outer surface of the bearing, shaft misalignment can be compensated for. The bearings are manufactured with a plus tolerance. This results in transition or press fits when using shafts with h-tolerances. The shaft is secured by grub screws on the inner ring.

In normal applications, pillow block bearings are maintenance-free due to the lifetime lubrication. In difficult environmental conditions re-lubrication can be carried out over the grease nipple.

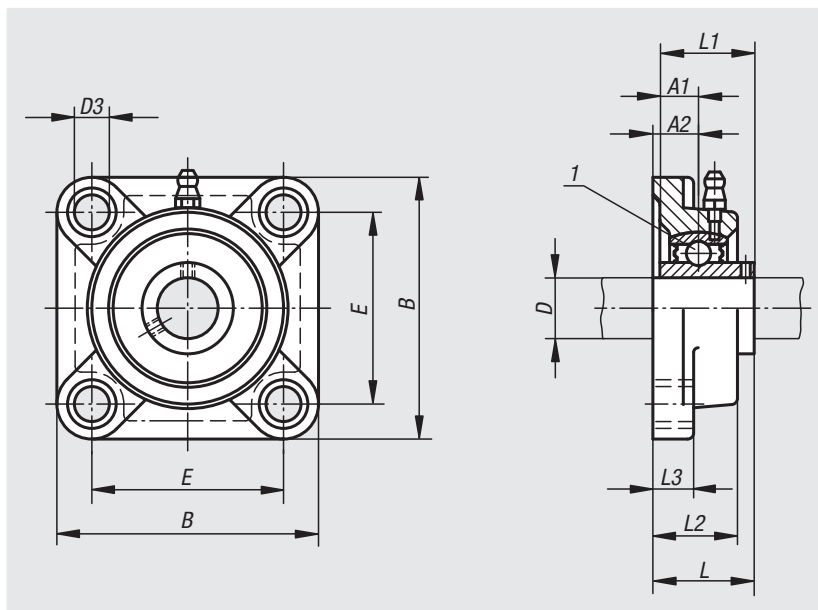
All housing dimensions are nominal dimensions for which the usual casting tolerances must be taken into consideration.

Temperature range:

-15 °C to +100 °C.

Drawing reference:

1) ball bearing



Order No.	Bearing	Housing	D	A1	A2	B	D3	E	L	L1	L2	L3	Fastening screw
24242-20204	MUC 204	F 204	20	12,7	15	86	12	64	33,3	31	25,5	12	M10
24242-25205	MUC 205	F 205	25	14,3	16	95	12	70	35,8	34,1	27	14,3	M10
24242-30206	MUC 206	F 206	30	15,9	18	108	12	83	40,2	38,1	31	14	M10
24242-35207	MUC 207	F 207	35	17,5	19	117	14	92	44,4	42,9	34	15,9	M12
24242-40208	MUC 208	F 208	40	19	21	130	16	102	51,2	49,2	36	15,9	M14
24242-45209	MUC 209	F 209	45	19	22	137	16	105	52,2	49,2	38	16,7	M14
24242-50210	MUC 210	F 210	50	19	22	143	16	111	54,6	51,6	40	15,9	M14

Pillow block bearing flange type



Material:

Housing 1.4301.
Ball bearing 1.4112.
Plain bearing POM.

Version:

Plain bearing white.
Stainless steel parts bright.

Sample order:

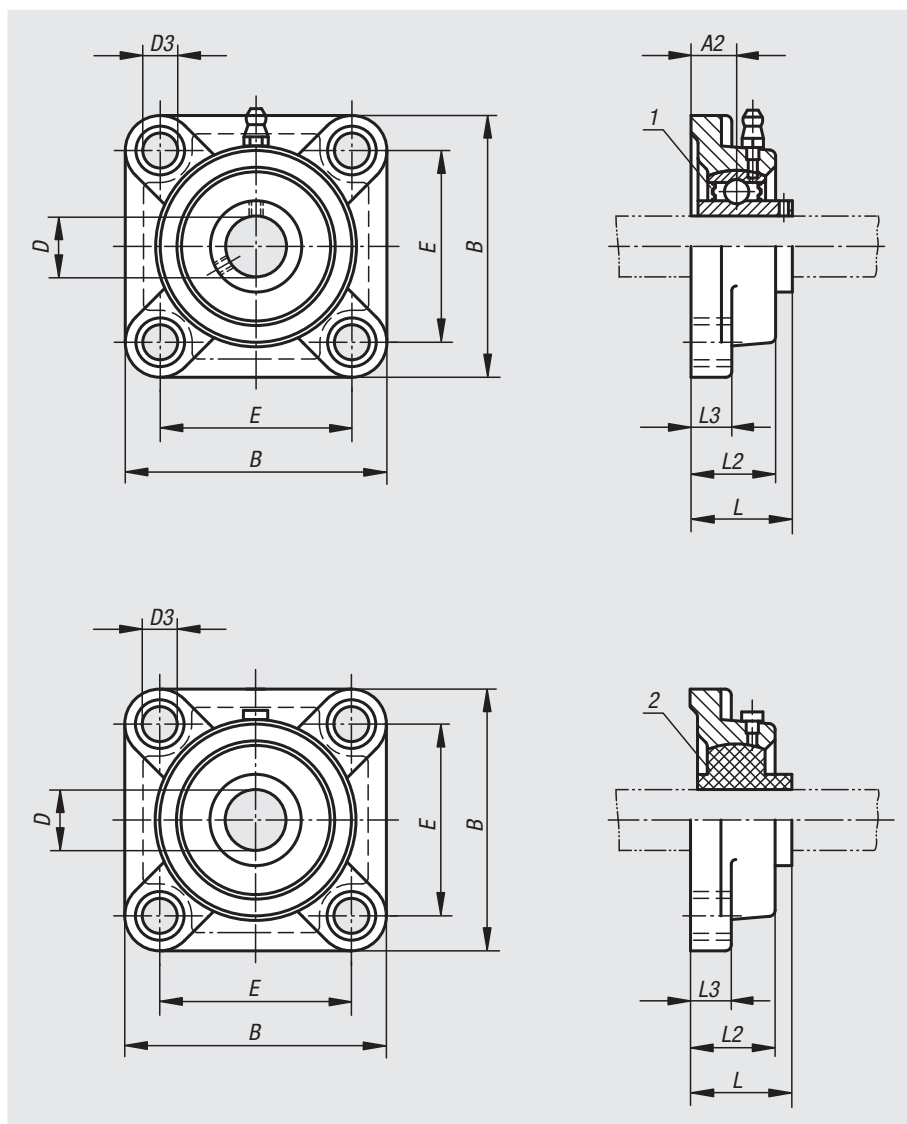
nlm 24242-01-12201

Note:

These stainless steel pillow block bearings have the same operating dimensions as the standard bearing housings of the major manufacturers, and can so be used or exchanged in existing constructions.

Drawing reference:

- 1) ball bearing
- 2) plain bearing



Order No.	Housing	D	B	E	D3	L	L2	L3	A2
24242-01-12201	201	12	86	64	64	33,2	25,7	12	14,9
24242-01-15202	202	15	86	64	64	33,2	25,7	12	14,9
24242-01-20204	204	20	86	64	64	33,2	25,7	12	14,9
24242-01-25205	205	25	95	70	70	35,5	27,3	14	15,8
24242-01-30206	206	30	108	83	83	40,1	30,7	14	17,9
24242-01-35207	207	35	117	92	92	44,4	34	14,3	19
24242-01-40208	208	40	130	102	102	51,2	36	14,3	21

Pillow block bearing flange type MUCF

2-hole stainless steel



Material:

Housing, stainless steel 1.4301.

Bearing, stainless steel 1.4125.

Seal, rubber NBR.

Version:

Bright.

Sample order:

nln 24244-20204

Note:

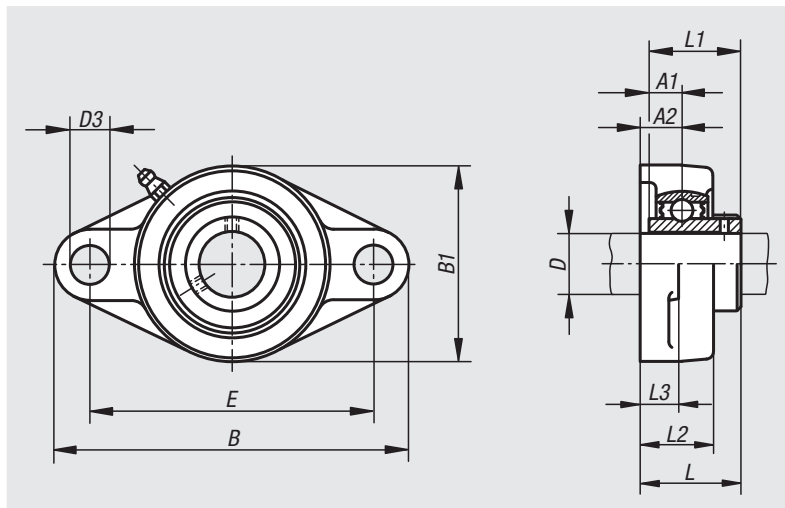
Pillow block bearings consist of a sealed single-row ball bearing with a spherical outer ring which is mounted in a housing. Because of the spherical outer surface of the bearing, shaft misalignment can be compensated for. The bearings are manufactured with a plus tolerance. This results in transition or press fits when using shafts with h-tolerances. The shaft is secured by grub screws on the inner ring.

In normal applications, pillow block bearings are maintenance-free due to the lifetime lubrication. In difficult environmental conditions re-lubrication can be carried out over the grease nipple.

All housing dimensions are nominal dimensions for which the usual casting tolerances must be taken into consideration.

Temperature range:

-15 °C to +100 °C.



Order No.	Bearing	Housing	D	A1	A2	B	B1	D3	E	L	L1	L2	L3	α	Fastening screw
24244-20204	MUC 204	FL 204	20	12,7	15	113	60	12	90	33,3	31	25,5	11	10°	M10
24244-25205	MUC 205	FL 205	25	14,3	16	130	68	16	99	35,8	34,1	27	13	10°	M14
24244-30206	MUC 206	FL 206	30	15,9	18	148	80	16	117	40,2	38,1	31	13	10°	M14
24244-35207	MUC 207	FL 207	35	17,5	19	161	90	16	130	44,4	42,9	34	14	10°	M14
24244-40208	MUC 208	FL 208	40	19	21	175	100	16	144	51,2	49,2	36	14	10°	M14
24244-45209	MUC 209	FL 209	45	19	22	188	108	19	148	52,2	49,2	38	15	10°	M16
24244-50210	MUC 210	FL 210	50	19	22	197	115	19	157	54,6	51,6	40	15	10°	M16

Pillow block bearing flange type

2-hole



Material:

Housing 1.4301.
Ball bearing 1.4112.
Plain bearing POM.

Version:

Plain bearing white.
Stainless steel parts bright.

Sample order:

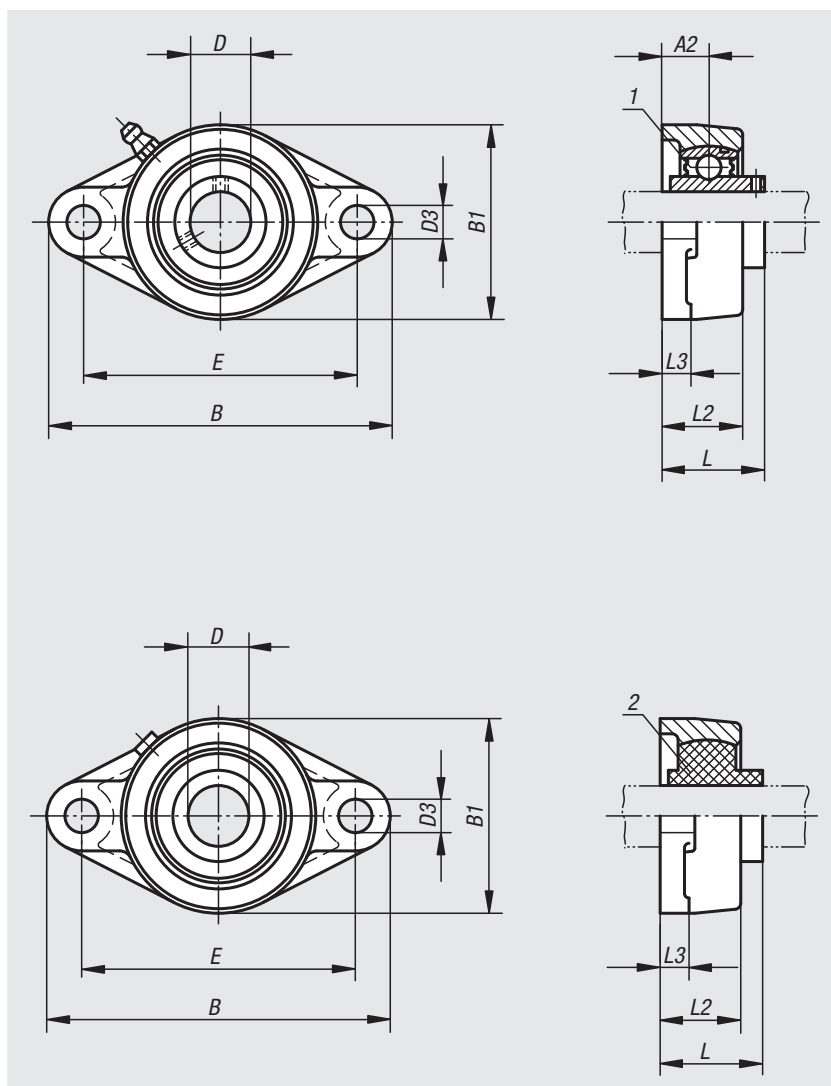
nlm 24244-01-12201

Note:

These stainless steel pillow block bearings have the same operating dimensions as the standard bearing housings of the major manufacturers, and can so be used or exchanged in existing constructions.

Drawing reference:

- 1) ball bearing
- 2) plain bearing



With ball bearing

Order No.	Housing	D	B	E	B1	D3	L	L2	L3	A2
24244-01-12201	201	12	112	90	60	11	33	26	11	14,7
24244-01-15202	202	15	112	90	60	11	33	26	11	14,7
24244-01-20204	204	20	112	90	60	11	33	26	11	14,7
24244-01-25205	205	25	125	99	67,5	11,5	35,5	27	13	15,8
24244-01-30206	206	30	141	117	80	11,5	40	30,2	14,3	17,8
24244-01-35207	207	35	156	130	90	13	44,5	34	14,3	19,1
24244-01-40208	208	40	172	144	100	13	51,2	36	14,3	21

With POM plain bearing

Order No.	Housing	D	B	E	B1	D3	L	L2	L3
24244-01-112201	201	12	112	90	60	11	33	26	11
24244-01-115202	202	15	112	90	60	11	33	26	11
24244-01-120204	204	20	112	90	60	11	33	26	11
24244-01-125205	205	25	125	99	67,5	11,5	35,5	27	13
24244-01-130206	206	30	141	117	80	11,5	40	30,2	14,3
24244-01-135207	207	35	156	130	90	13	44,5	34	14,3
24244-01-140208	208	40	172	144	100	13	51,2	36	14,3

Insert bearing MUC

stainless steel



Material:

Stainless steel 1.4125.
Seal, rubber NBR.

Version:

Sealed on both sides with a spherical outer ring.
Can be re-lubricated.

Sample order:

nlm 24248-20204

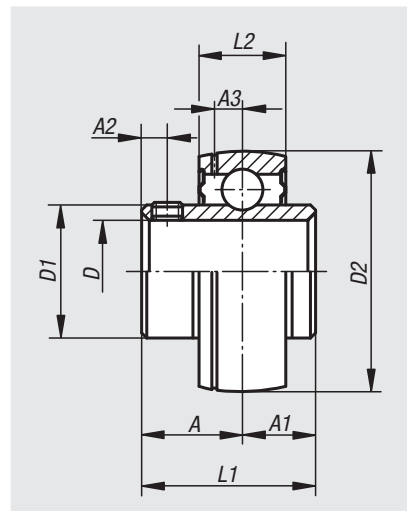
Note:

The internal construction of the insert bearings corresponds to that of standard Series 6200 and 6300 radial ball bearing. However, they have wider inner rings for easier fastening on shafts. The inner rings are manufactured with a plus tolerance. This results in transition or press fits when using shafts with h-tolerances. The shaft is secured by 2 grub screws positioned 120° apart on the inner ring.

The insert bearings are ready to install and are permanently lubricated with a suitable ball bearing grease. In normal applications, re-lubrication is not necessary.

Temperature range:

-15 °C to +100 °C.



Order No.	Bearing	D	A	A1	A2	A3	D1	D2	L1	L2	Grub screw	Dynamic base loads kN	Static base loads kN
24248-20204	MUC 204	20	18,3	12,7	4,8	3,7	29	47	31	17	M6x0,75	9,88	6,2
24248-25205	MUC 205	25	19,8	14,3	5	3,9	34	52	34,1	17	M6x0,75	7,36	6,98
24248-30206	MUC 206	30	22,2	15,9	5	5	40,5	62	38,1	19	M6x0,75	14,97	10,04
24248-35207	MUC 207	35	25,4	17,5	7	5,7	48	72	42,9	20	M8x1	19,75	13,67
24248-40208	MUC 208	40	30,2	19	8	6,2	53	80	49,2	21	M8x1	22,71	15,94
24248-45209	MUC 209	45	30,2	19	8	6,4	57,3	85	49,2	22	M8x1	24,36	17,71
24248-50210	MUC 210	50	32,6	19	10	6,5	63	90	51,6	24	M10x1,25	26,98	19,84

Pillow block bearing pedestal type



Material:

Housing plastic.

Ball bearing stainless steel 1.4112.

Plain bearing insert POM.

Bushes and grease nipple stainless steel 1.4301.

Version:

Plain bearing insert white.

Housing green.

Stainless steel parts bright.

Sample order:

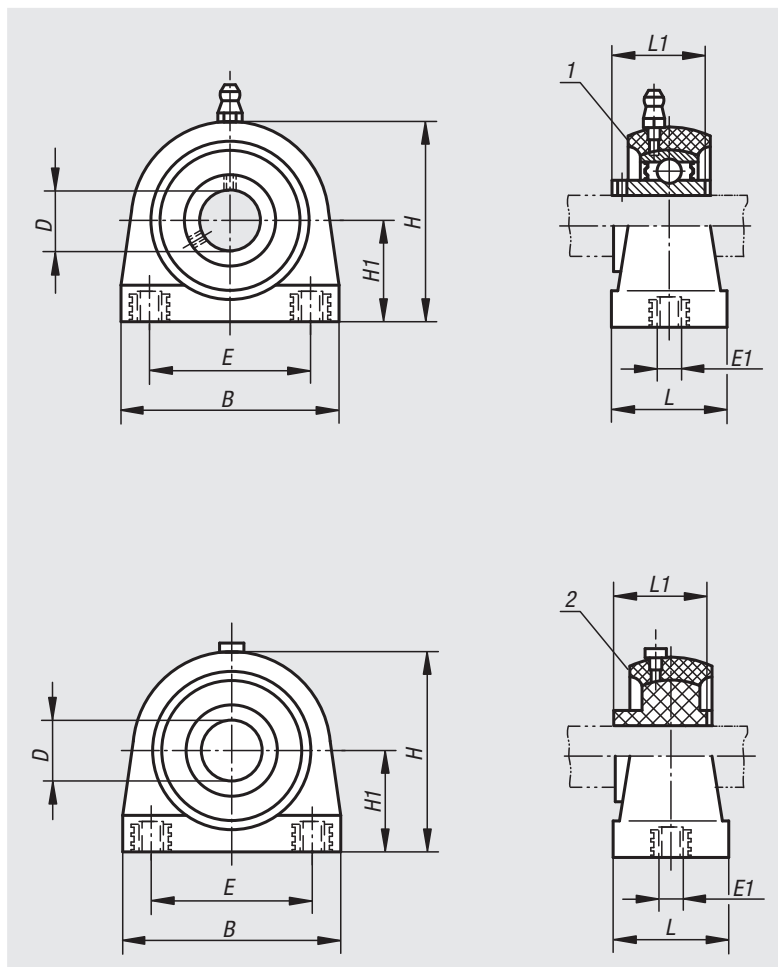
nIm 24262-01-12201

Note:

The housings are very robust, hard wearing and shock proof. They are resistant to most alkaline solutions, weak acids (PH 4-9) and brines. In contrast to cast or steel housings the special plastic in these housings prevent the formation of micro-organisms.

Drawing reference:

- 1) ball bearing
- 2) plain bearing



With ball bearing

Order No.	Housing	D	H1	B	H	E	E1	L	L1
24262-01-12201	201	12	33,3	72,8	66	50,8	M8	34,5	31
24262-01-15202	202	15	33,3	72,8	66	50,8	M8	34,5	31
24262-01-20204	204	20	33,3	72,8	66	50,8	M8	34,5	31
24262-01-25205	205	25	36,5	76,2	73,5	50,8	M10	39,5	34
24262-01-30206	206	30	42,9	101	84	76,2	M10	42,5	38,1
24262-01-35207	207	35	47,6	110	95	82,6	M10	47,5	42,9
24262-01-40208	208	40	49,2	120	100,5	88,9	M12	48	49,2

With POM plain bearing

Order No.	Housing	D	H1	B	H	E	E1	L	L1
24262-01-112201	201	12	33,3	72,8	66	50,8	M8	34,5	31
24262-01-115202	202	15	33,3	72,8	66	50,8	M8	34,5	31
24262-01-120204	204	20	33,3	72,8	66	50,8	M8	34,5	31
24262-01-125205	205	25	36,5	76,2	73,5	50,8	M10	39,5	34
24262-01-130206	206	30	42,5	101	84	76,2	M10	42,5	38,1
24262-01-135207	207	35	47,6	110	95	82,6	M10	47,5	42,9
24262-01-140208	208	40	49,2	120	100,5	88,9	M12	48	49,2

Pillow block bearing flange type


Material:

Housing plastic.

Ball bearing stainless steel 1.4112.

Plain bearing insert POM.

Bushes and grease nipple stainless steel 1.4301.

Version:

Plain bearing insert white.

Housing green.

Stainless steel parts bright.

Sample order:

nlm 24264-01-12201

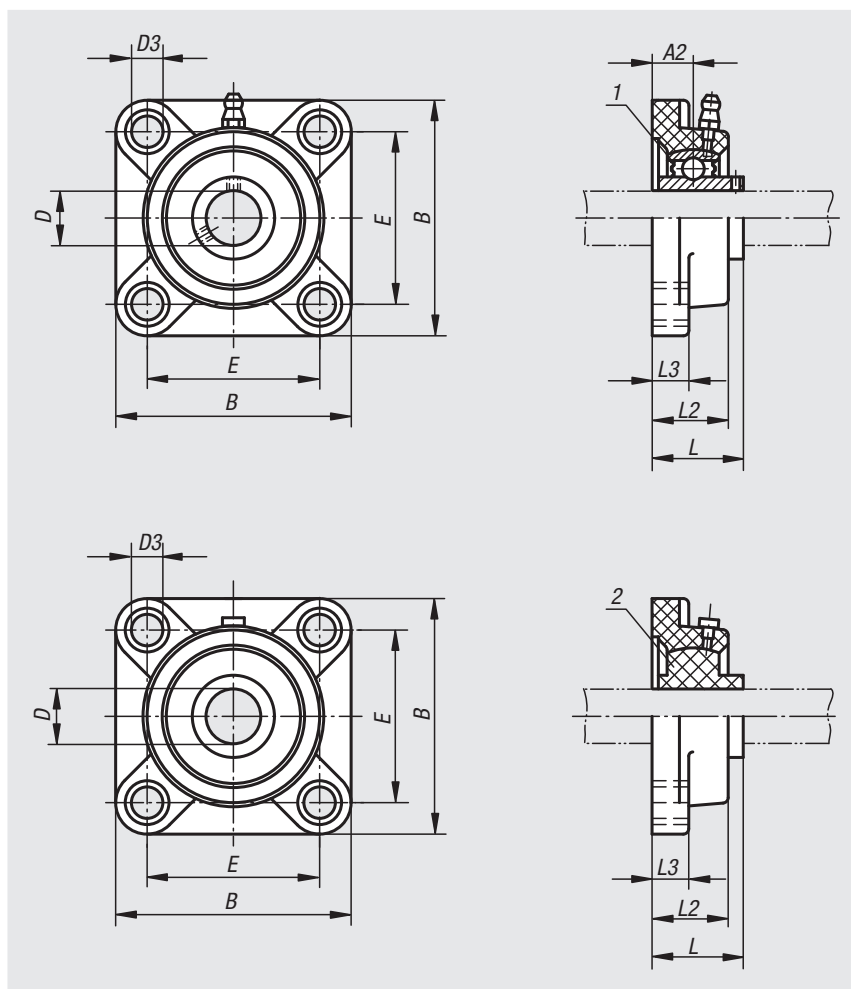
Note:

The housings are very robust, hard wearing and shock proof. They are resistant to most alkaline solutions, weak acids (PH 4-9) and brines. In contrast to cast or steel housings the special plastic in these housings prevent the formation of micro-organisms.

Drawing reference:

1) ball bearing

2) plain bearing


With ball bearing

Order No.	Housing	D	B	E	D3	L	L2	L3	A2
24264-01-12201	201	12	87	63,5	11	36,3	27,8	13,4	17,8
24264-01-15202	202	15	87	63,5	11	36,3	27,8	13,4	17,8
24264-01-20204	204	20	87	63,5	11	36,3	27,8	13,4	17,8
24264-01-25205	205	25	95	70	11	36,7	28	14,3	17
24264-01-30206	206	30	107	83	11	41,4	31,5	14,3	19,2
24264-01-35207	207	35	118	92	13	46,9	34,8	15,5	21,5
24264-01-40208	208	40	130	102	14	53,2	37,5	17	23

With POM plain bearing

Order No.	Housing	D	B	E	D3	L	L2	L3
24264-01-112201	201	12	87	63,5	11	36,3	27,8	13,4
24264-01-115202	202	15	87	63,5	11	36,3	27,8	13,4
24264-01-120204	204	20	87	63,5	11	36,3	27,8	13,4
24264-01-125205	205	25	95	70	11	36,7	28	14,3
24264-01-130206	206	30	107	83	11	41,4	31,5	14,3
24264-01-135207	207	35	118	92	13	46,9	34,8	15,5
24264-01-140208	208	40	130	102	14	53,2	37,5	17

Pillow block bearing flange type

2-hole



Material:

Housing plastic.

Ball bearing stainless steel 1.4112.

Plain bearing insert POM.

Bushes and grease nipple stainless steel 1.4301.

Version:

Plain bearing insert white.

Housing green.

Stainless steel parts bright.

Sample order:

nIm 24266-01-12201

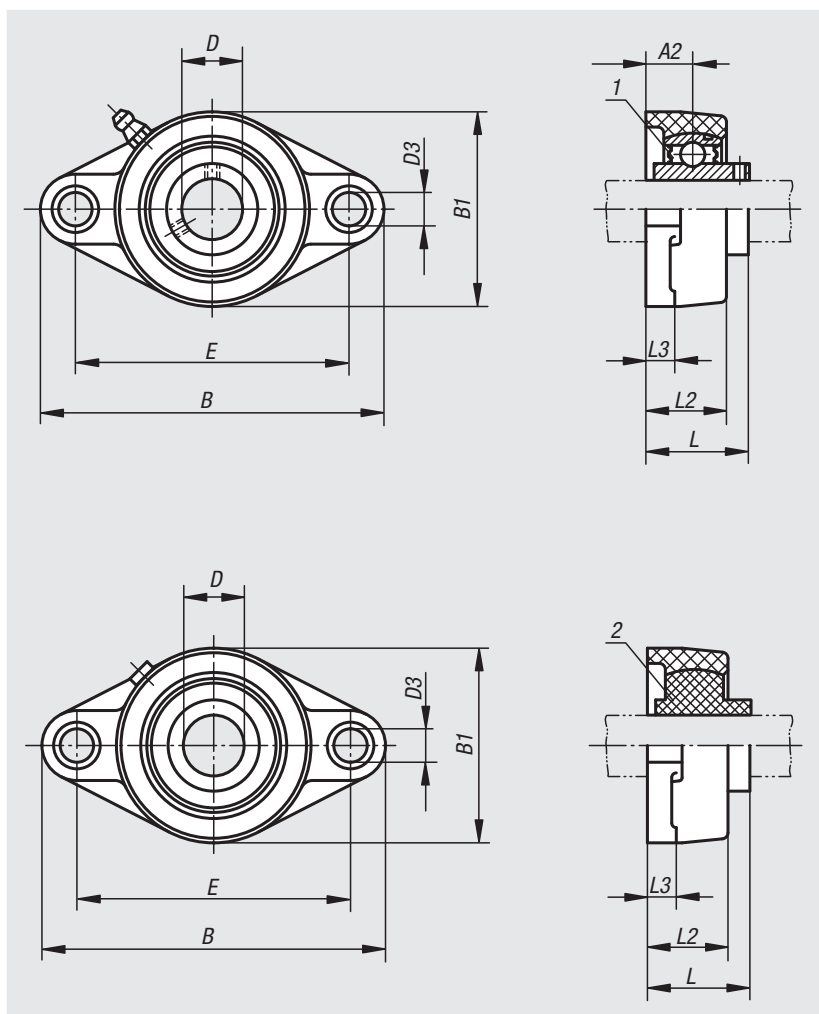
Note:

The housings are very robust, hard wearing and shock proof. They are resistant to most alkaline solutions, weak acids (PH 4-9) and brines. In contrast to cast or steel housings the special plastic in these housings prevent the formation of micro-organisms.

Drawing reference:

1) ball bearing

2) plain bearing



With ball bearing

Order No.	Housing	D	B	E	B1	D3	L	L2	L3	A2
24266-01-12201	201	12	114	90	65	11	33,7	26,5	11,4	15,4
24266-01-15202	202	15	114	90	65	11	33,7	26,5	11,4	15,4
24266-01-20204	204	20	114	90	65	11	33,7	26,5	11,4	15,4
24266-01-25205	205	25	131	99	69,5	11	36,7	29,1	13,5	17
24266-01-30206	206	30	148	117	80	11	41,2	30,5	13,3	19
24266-01-35207	207	35	164	130	90	13	43,4	32,8	16,1	18
24266-01-40208	208	40	176	144	100	14	51,7	37,5	20	21,5

With POM plain bearing

Order No.	Housing	D	B	E	B1	D3	L	L2	L3
24266-01-112201	201	12	114	90	65	11	33,7	26,5	11,4
24266-01-115202	202	15	114	90	65	11	33,7	26,5	11,4
24266-01-120204	204	20	114	90	65	11	33,7	26,5	11,4
24266-01-125205	205	25	131	99	69,5	11	36,7	29,1	13,5
24266-01-130206	206	30	148	117	80	11	41,2	30,5	13,3
24266-01-135207	207	35	164	130	90	13	43,4	32,8	16,1
24266-01-140208	208	40	176	144	100	14	51,7	37,5	20

Notes

