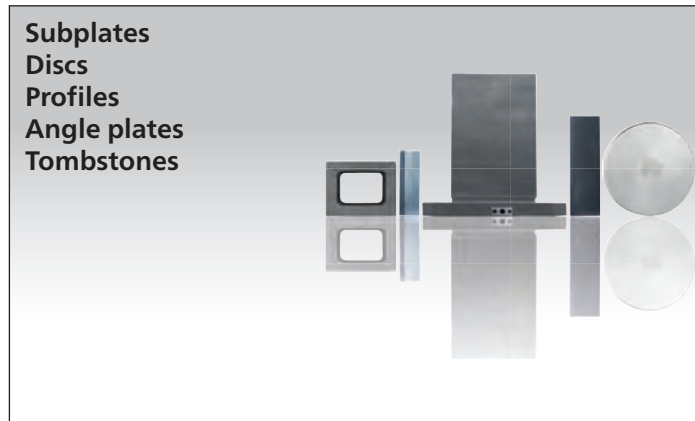


norelem positions

Flexible standard component system

01000

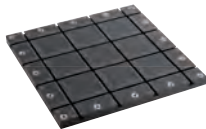


01040
Page 56



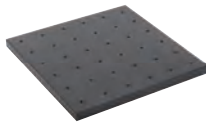
Base plate with T-slots
grey cast iron

01041
Page 57



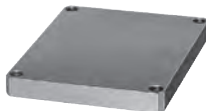
Baseplates aluminium
with T-slot

01042
Page 58



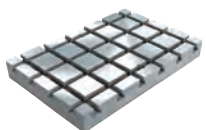
Baseplates aluminium
with tapped holes

01060
Page 59



Base plates steel

01126
Page 60



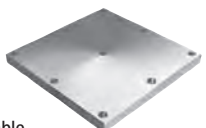
Baseplates, grey cast iron
with T-slots

01126-10
Page 61



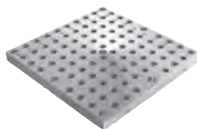
Baseplates, grey cast iron, round,
with T-slots

01127
Page 62



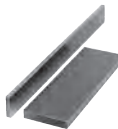
Interchangeable
subplates, grey cast iron,
with pre-machined clamping faces

01127
Page 63



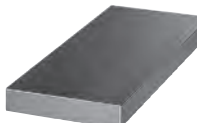
Interchangeable subplates,
grey cast iron with grid holes

01130
Page 64



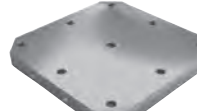
Rectangular plates
precision steel

01140
Page 65



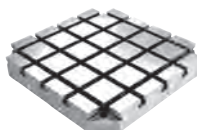
Plates
grey cast iron or aluminium

01148
Page 66



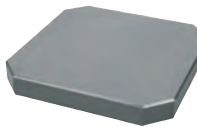
Subplates, grey cast iron
with pre-machined clamping faces

01148
Page 68



Subplates, grey cast iron
with T-slots

01150
Page 70



Subplates machined all sides
grey cast iron

01160
Page 71



Block machined all sides
grey cast iron or aluminium

01180
Page 71



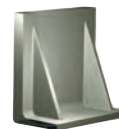
Base plate with flanges
grey cast iron

01250
Page 72



Angle plates
with or without T-slots cast iron

01252
Page 73



Angle plates
aluminium

01265
Page 74



Tombstones,
grey cast iron, double-sided,
with pre-machined clamping faces

01265
Page 76



Tombstones,
grey cast iron, double-sided,
with T-slots

01267
Page 78



Tombstone,
grey cast iron, double-sided,
for interchangeable subplates

01270
Page 79



Tombstones double-sided
grey cast iron

01280
Page 80



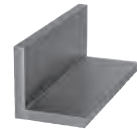
Circular plates
steel

01320
Page 80



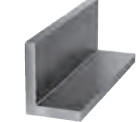
Circular plates
grey cast iron or aluminium

01380
Page 81



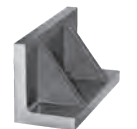
L-profiles
grey cast iron or aluminium

01440
Page 82



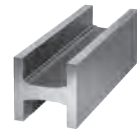
L-profiles unequal
grey cast iron or aluminium

01520
Page 82



L profile with reinforcing ribs
grey cast iron

01560
Page 83



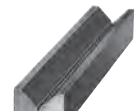
H-profiles
grey cast iron or aluminium

01580
Page 83



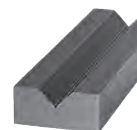
T-profiles machined all sides
grey cast iron or aluminium

01640
Page 84



V-block machined all sides
grey cast iron or aluminium

01660
Page 84



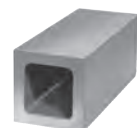
V-block machined all sides
extra wide, grey cast iron

01680
Page 85



U-profiles machined all sides
grey cast iron or aluminium

01740
Page 86



Square hollow profiles
grey cast iron

+ New/Expanded Items

01000

Subplates
Discs
Profiles
Angle plates
Tombstones



02000

03000

04000

05000

06000

07000

08000

09000

10000

12000



Base plate with T-slots

grey cast iron

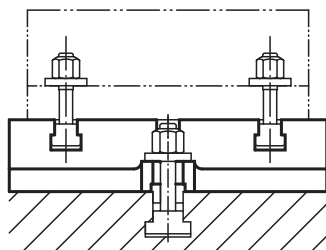
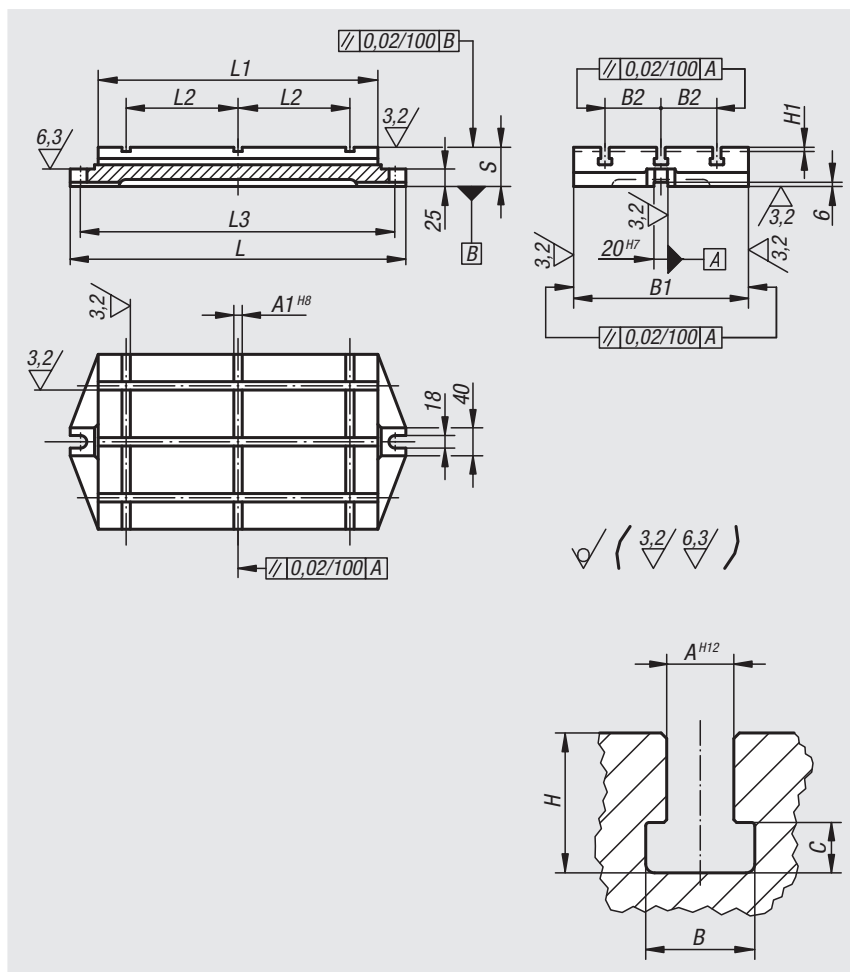


Material:

GJL 250 annealed.

Sample order:

nlm 01040-04



Order No.	L	L1	L2	L3	B1	B2	H1	S	A1	A	B	C	H
01040-01	280	200	70	250	125	40	4	50	6	10	16,5	7	21
01040-02	330	250	100	300	160	50	4	50	8	10	16,5	7	21
01040-03	395	315	125	365	200	63	4	56	10	12	19,5	8	25
01040-04	480	400	160	450	250	80	6	56	12	12	19,5	8	25
01040-05	580	500	220	550	315	100	6	63	14	14	23	9	28
01040-06	710	630	280	680	400	125	6	63	18	14	23	9	28

Baseplates aluminium

with T-slot



Material:

Baseplates aluminium.
Tapped bushes stainless steel.

Version:

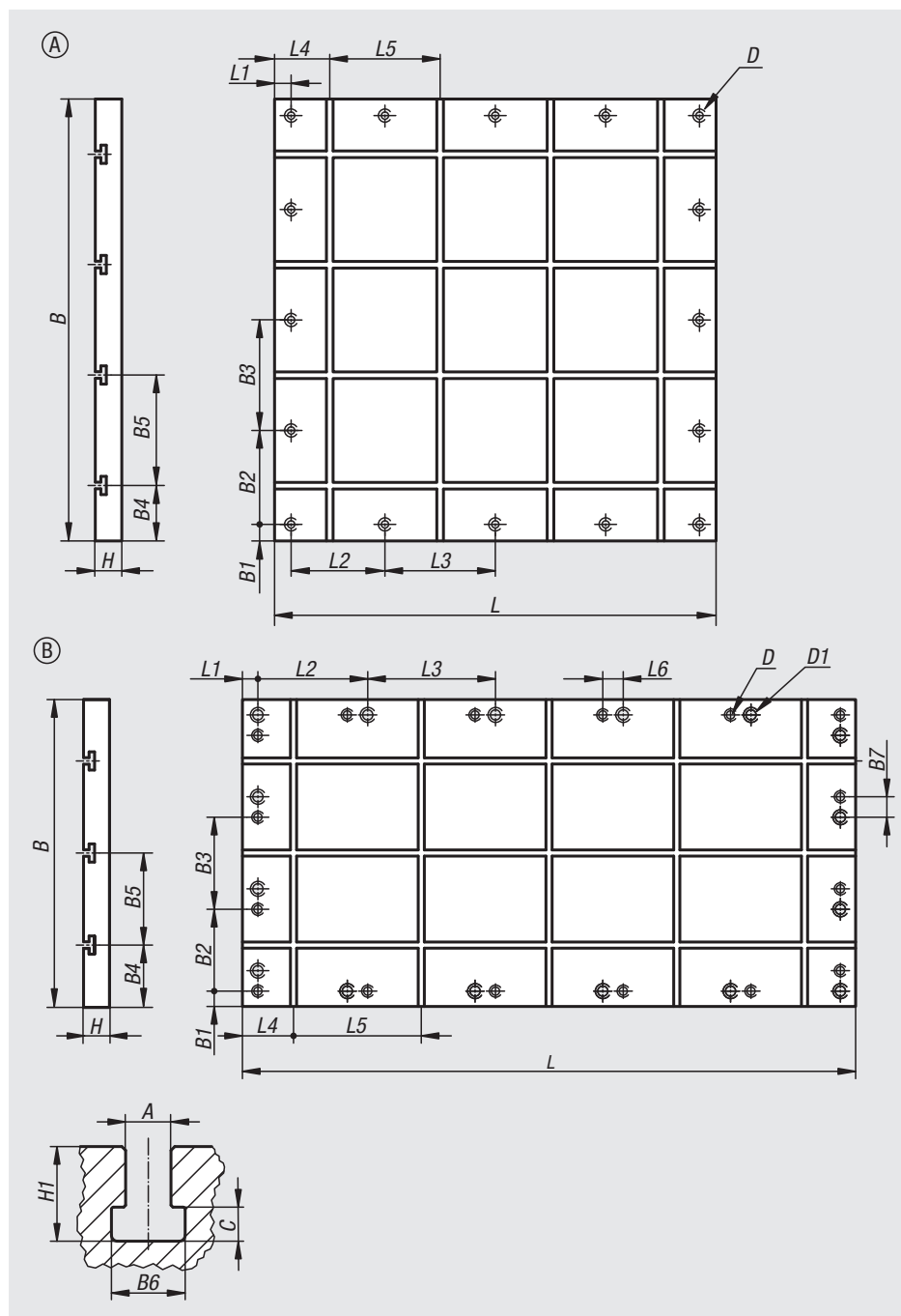
hard-coated.

Sample order:

nlm 01041-50025024

Note:

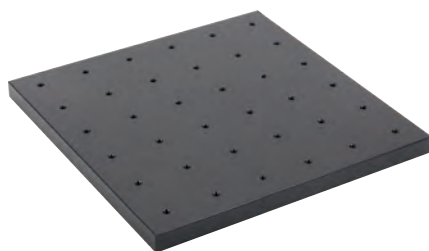
Baseplates with T-slot and connecting thread. With scaling for exact and repeatable positioning of clamping elements.



Order No.	Form	A	B	B1	B2	B3	B4	B5	B6	B7	C	D	D1	H	H1	L	L1	L2	L3	L4	L5	L6
01041-40040024	A	6	400	15	85	100	50	100	16,5	-	5	M8	-	24	10	400	15	85	100	50	100	-
01041-50025024	A	6	250	15	110	-	80	90	16,5	-	5	M8	-	24	10	500	15	110	125	62,5	125	-
01041-60030024	B	6	300	25	80	90	60	90	16,5	20	5	M8	M10	24	10	600	15	107,5	125	50	125	20
01041-80040024	B	6	400	15	85	90	65	90	16,5	20	5	M8	M10	24	10	800	15	145	125	87,5	125	20

Baseplates aluminium

with tapped holes


Material:

Aluminium.

Version:

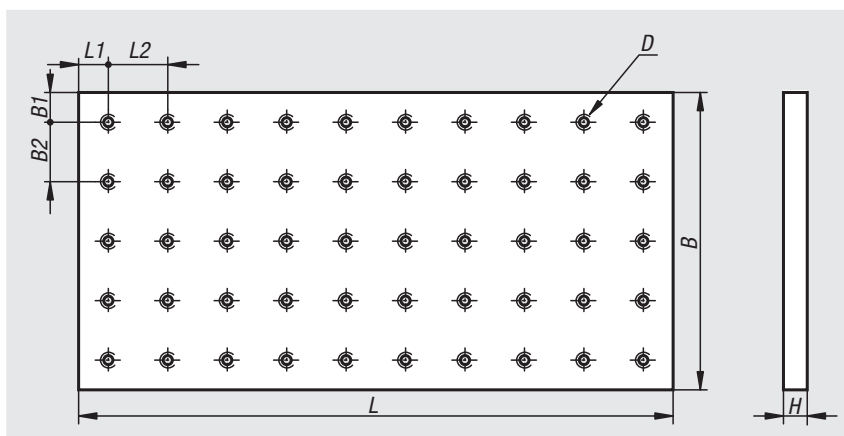
hard-coated.

Sample order:

nIm 01042-30030020

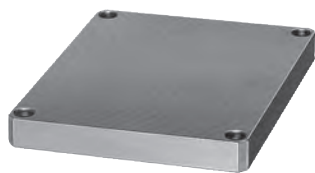
Note:

Baseplates with M6 connecting threads on a 50 mm grid.



Order No.	B	B1	B2	D	H	L	L1	L2
01042-30030020	300	25	50	M6	20	300	25	50
01042-50025020	250	25	50	M6	20	500	25	50
01042-60030020	300	25	50	M6	20	600	25	50

Base plates steel

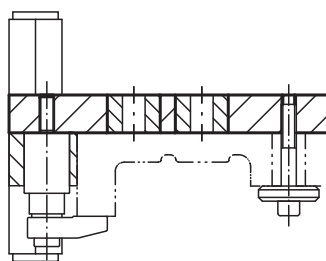
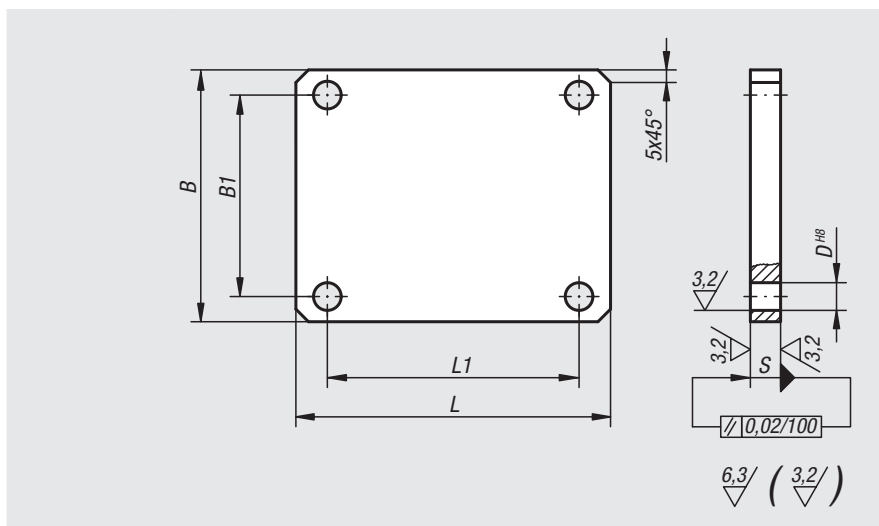


Material:
Carbon steel 1.1181.

Version:
Bright.

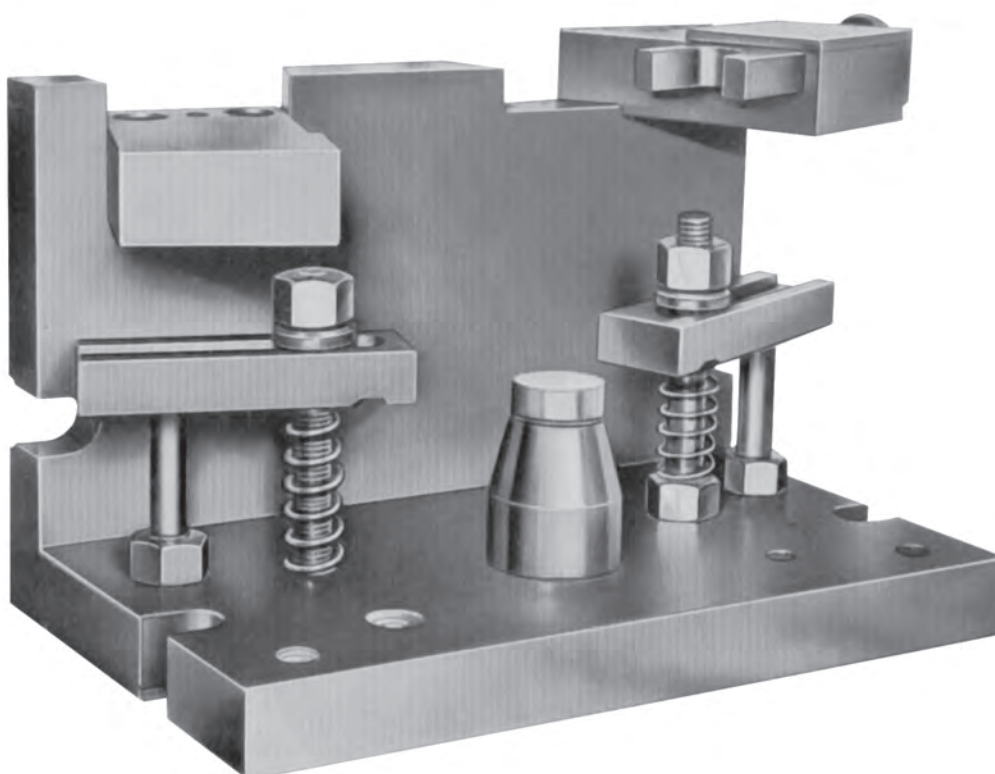
Sample order:
nlm 01060-01

Drawing reference:
machined surfaces: ± 0.25 mm
thickness: $+0/-0.5$ mm
raw surfaces: ± 2 mm



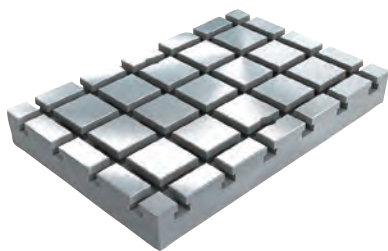
Order No.	L	L1	B	B1	S	D
01060-01	125	100	100	80	12	11
01060-02	160	140	125	100	16	11
01060-03	200	180	160	140	20	13
01060-04	250	220	200	180	20	13
01060-05	315	280	250	220	20	13

Example of a fixture using almost exclusively norelem parts:



Baseplates, grey cast iron

with T-slots



Material:

GJL 300.

Version:

Support and mounting surfaces ground

Sample order:

nIm 01126-31440060

Note:

Baseplates with T-slots are used for constructing modular fixtures. These baseplates are positioned and mounted directly on machine tables.

The precise longitudinal and transverse slot spacing ensures very high repeat clamping accuracy.

The two locating holes are used to align the baseplate on the machine table.

Fastening holes are produced by the customer to suit their machine table.

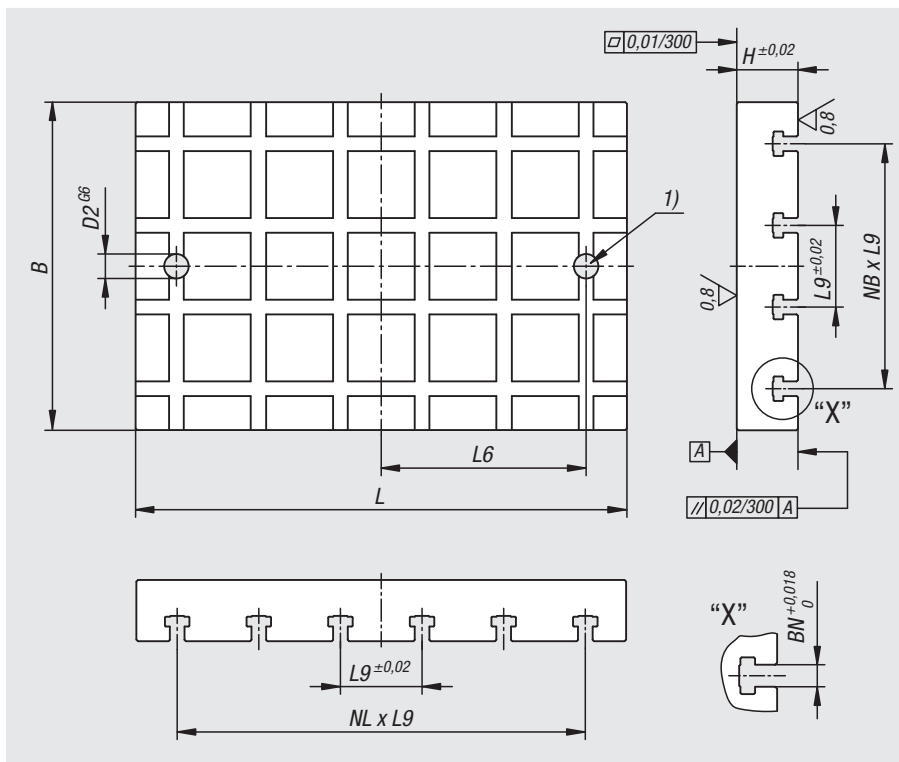
Please order locating pins to locate the baseplates separately.

Ring bolts with T-nuts for hoisting are supplied.

Other dimensions available on request.

Drawing reference:

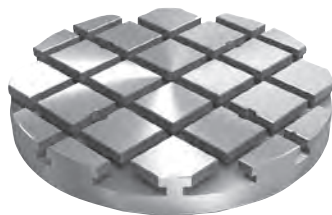
1) locating hole



Order No. BN=slot width 14	Order No. BN=slot width 18	L	B	H	D2	L6	L9	NL=No. lengthwise	NB=No. across
01126-31440060	01126-31840060	600	400	60/75	30	500	100	5	3
01126-31450060	01126-31850060	600	500	60/75	30	500	100	5	4
01126-31460060	01126-31860060	600	600	60/75	30	500	100	5	5
01126-31440080	01126-31840080	800	400	60/75	30	700	100	7	3
01126-31445090	01126-31845090	900	450	60/75	30	800	100	8	3
01126-31450100	01126-31850100	1000	500	60/75	30	900	100	9	4
01126-31460120	01126-31860120	1200	600	60/75	30	1100	100	11	5

Baseplates, grey cast iron, round,

with T-slots

**Material:**

GJL 300.

Version:

Support and mounting surfaces ground

Sample order:

nlm 01126-10-31430050

Note:

Round baseplates with T-slots are used for constructing modular fixtures. These baseplates are positioned and mounted directly on machine tables.

The precise longitudinal and transverse slot spacing ensures very high repeat clamping accuracy.

The aligning holes are used to align the baseplate on the machine table.

Please order locating pins to locate the baseplates separately.

Ring bolts with T-nuts for hoisting are supplied.

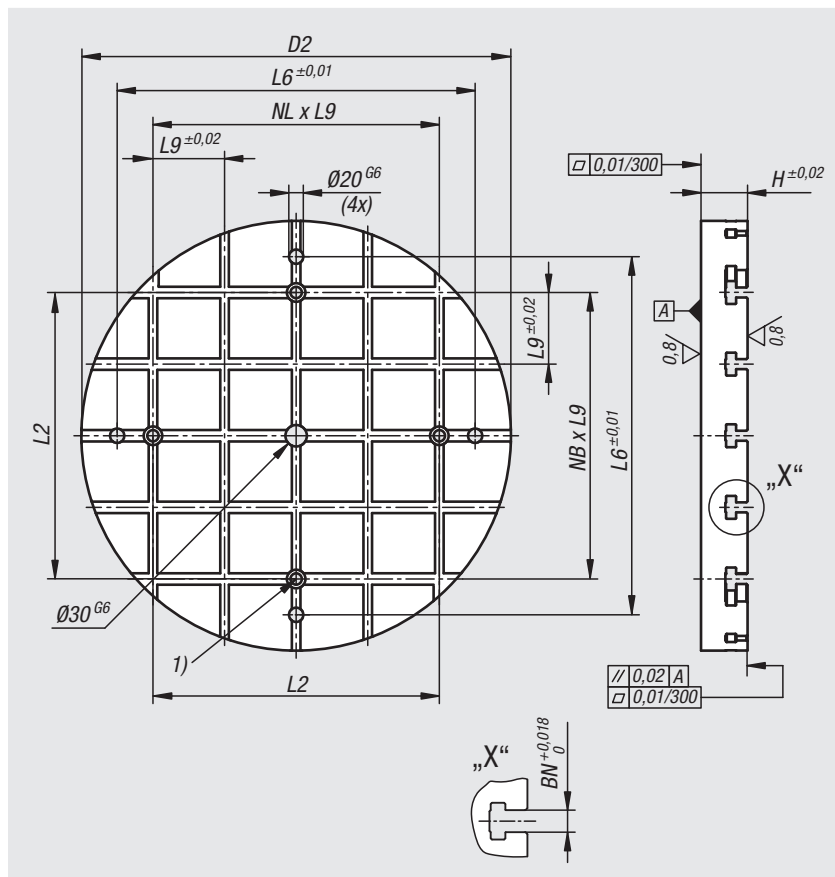
Other dimensions available on request.

On request:

other dimensions.

Drawing reference:

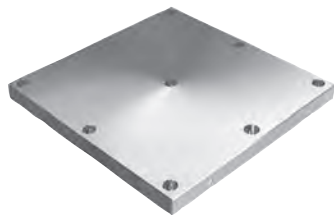
1) hole for DIN 912 cap screw (D4)



Order No.	D2	H	D4	L2	L6	L9	BN=slot width	NL=No. lengthwise	NB=No. across
01126-10-31430050	300	50	M12	150	250	75	14	2	2
01126-10-31440050	400	50	M12	250	350	75	14	4	4
01126-10-31850065	500	65	M16	300	450	100	18	4	4
01126-10-31860065	600	65	M16	400	550	100	18	4	4

Interchangeable subplates, grey cast iron,

with pre-machined clamping faces


Material:

GJL 300.

Version:

Support and mounting surfaces ground

Sample order:

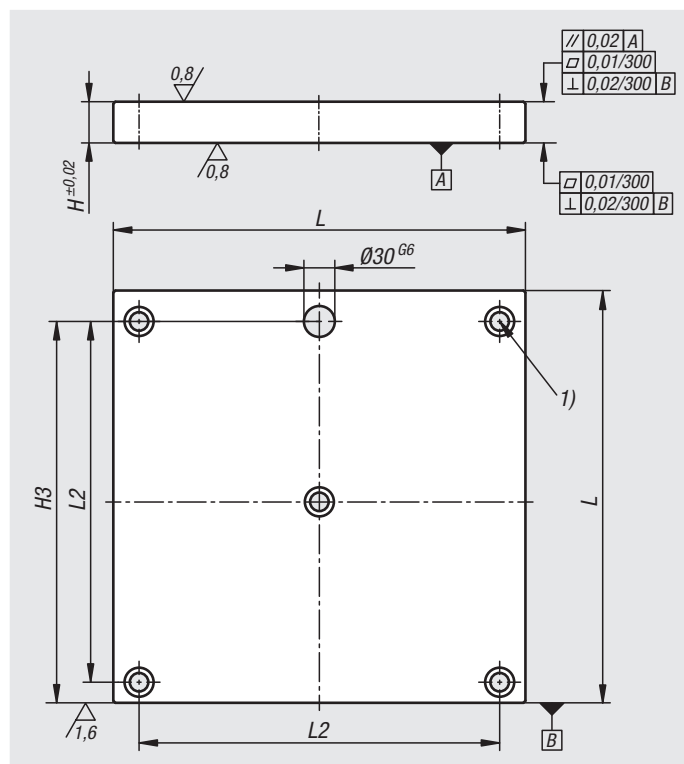
nlm 01127-1004040

Note:

Interchangeable subplates with pre-machine clamping faces are used double-sided, together with the tombstones. The interchangeable subplates are positioned and mounted on both sides of the tombstone. This means that clamping fixtures can be replaced efficiently. The interchangeable subplates can be machined accordingly by the customer.

Drawing reference:

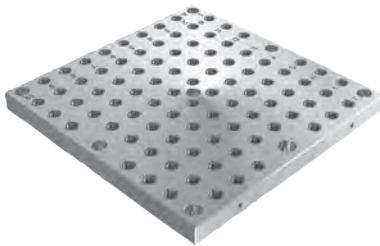
1) hole for DIN 912 cap screw, M16



Order No.	L	H	H3	L2	No. of fastening holes
01127-1004040	400	40	370	350	5
01127-1005050	500	40	470	450	7
01127-1006363	630	40	600	580	7
01127-1008080	800	50	770	750	7

Interchangeable subplates, grey cast iron

with grid holes



Material:
GJL 300.

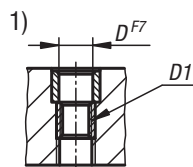
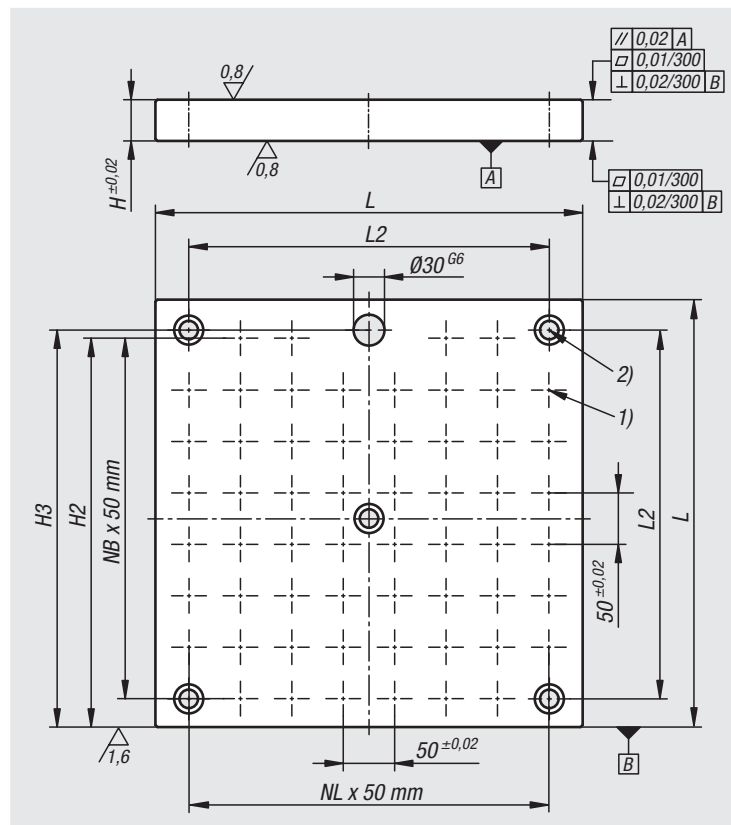
Version:
Mounting surfaces ground

Sample order:
nlm 01127-2124040

Note: Interchangeable subplates with grid holes are used double-sided, together with the tombstones. The interchangeable subplates are positioned and mounted on both sides of the tombstone. This means that clamping fixtures can be replaced efficiently. The alphanumerically labelled grid holes mean that the clamping elements can be assigned in a defined manner in the event of repeat setups. Please order protection plugs to plug unused grid holes separately.

Drawing reference:

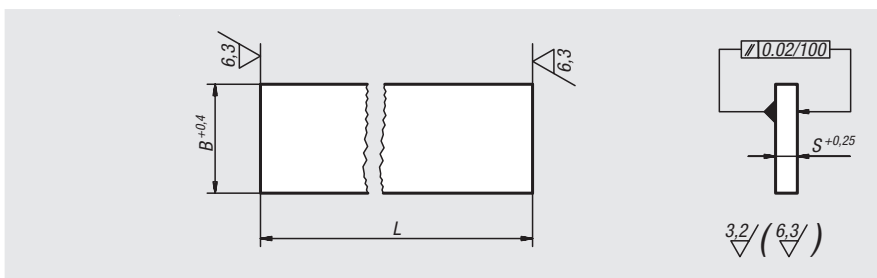
- 1) grid hole
- 2) hole for DIN 912 cap screw, M16



Order No.	L	H	D	D1	H2	H3	L2	N1=No. of grid holes	NL=No. lengthwise	NB=No. across	No. of fastening holes
01127-2124040	400	40	12	M12	370	370	350	58	7	7	5
01127-2125050	500	40	12	M12	470	470	450	94	9	9	7
01127-2126363	630	40	12	M12	585	600	580	138	11	11	7
01127-2128080	800	50	12	M12	770	770	750	250	15	15	7
01127-2164040	400	40	16	M16	370	370	350	58	7	7	5
01127-2165050	500	40	16	M16	470	470	450	90	9	9	7
01127-2166363	630	40	16	M16	585	600	580	138	11	11	7
01127-2168080	800	50	16	M16	770	770	750	246	15	15	7

Rectangular plates

precision steel


Material:

Steel 1.1730

Version:

Bright.

Sample order:

nlm 01130-04X500 (include length L)

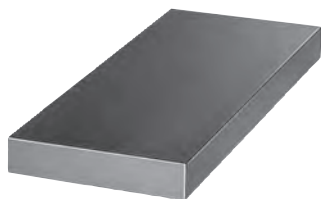
Note:

These precision steel plates are suitable for use as base plates in machine, tool and fixture construction. The dimension L is sawn to length and is always supplied oversized.

Order No.	L = length	B	S
01130-01X	250/500/750/1000	40	8
01130-02X	250/500/750/1000	50	10
01130-03X	250/500/750/1000	63	12
01130-04X	250/500/750/1000	80	16
01130-05X	250/500/750/1000	100	16
01130-06X	250/500/750/1000	100	20
01130-07X	250/500/750/1000	125	25
01130-08X	250/500/750/1000	150	25
01130-09X	250/500/750/1000	160	32
01130-10X	250/500/750/1000	200	32
01130-11X	250/500/750/1000	300	40

Plates

grey cast iron or aluminium



Material:

GJL 250 annealed or EN AW-7075

Sample order:

nIm 01140-07X300 (include length L)

Note:

The length L is cut by saw and is always supplied overlong.

Drawing reference:

machined faces:

grey cast iron: +0.2 mm / +0.5 mm

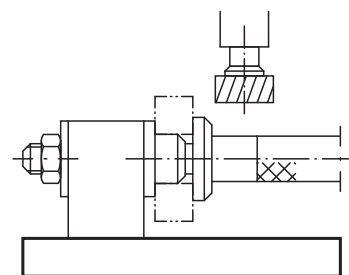
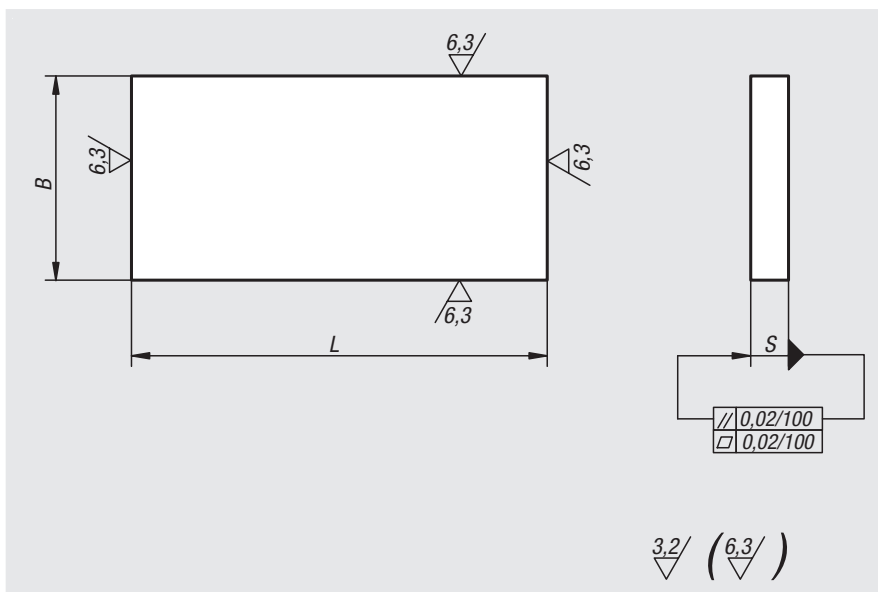
aluminium: ± 0.1 mm

length tolerance:

≤200 mm: +1/+5

>200 mm ≤400 mm: +4/+15

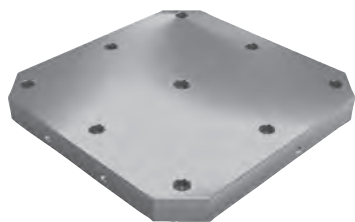
>400 mm: +13/+40



Order No. grey cast iron	Order No. aluminium	L = length	B	S
01140-01X	01140-201X	300	40	10
01140-02X	01140-202X	300	50	12
01140-03X	01140-203X	300	63	16
01140-04X	01140-204X	200/300/400/600/800	80	20
01140-05X	01140-205X	200/300/400/600/800	100	20
01140-06X	01140-206X	200/300/400/600/800	160	20
01140-061X	01140-2061X	200/300/400/600/800	200	20
01140-062X	01140-2062X	200/300/400/600/800	250	20
01140-07X	01140-207X	200/300/400/600/800/1200	125	25
01140-08X	01140-208X	200/300/400/600/800/1200	200	25
01140-081X	01140-2081X	200/300/400/600/800/1200	250	25
01140-082X	01140-2082X	200/300/400/600/800/1200	315	25
01140-09X	01140-209X	200/300/400/600/800/1200	160	32
01140-10X	01140-210X	200/300/400/600/800/1200	250	32
01140-101X	01140-2101X	200/400/600/800/1200	315	32
01140-102X	01140-2102X	200/300/400/600/800/1200	400	32
01140-11X	01140-211X	200/400/600/800/1200	200	40
01140-12X	01140-212X	200/400/600/800/1200	250	40
01140-120X	-	200/400/600/800/1200	315	40
01140-121X	-	200/300/400/600/800/1200	400	40
01140-13X	-	200/400/600/800/1200	315	50
01140-131X	-	200/300/400/600/800/1200	500	50

Subplates, grey cast iron

with pre-machined clamping faces


Material:

GJL 300.

Version:

Support and mounting surfaces ground

Sample order:

nlm 01148-1004040

Note:

Subplates with pre-machined clamping faces provide a quick and economic way of producing bodies with specific grid or individual holes. The subplates conform to machine tables for machine tools acc. to DIN 55201 and JIS 6337-1980.

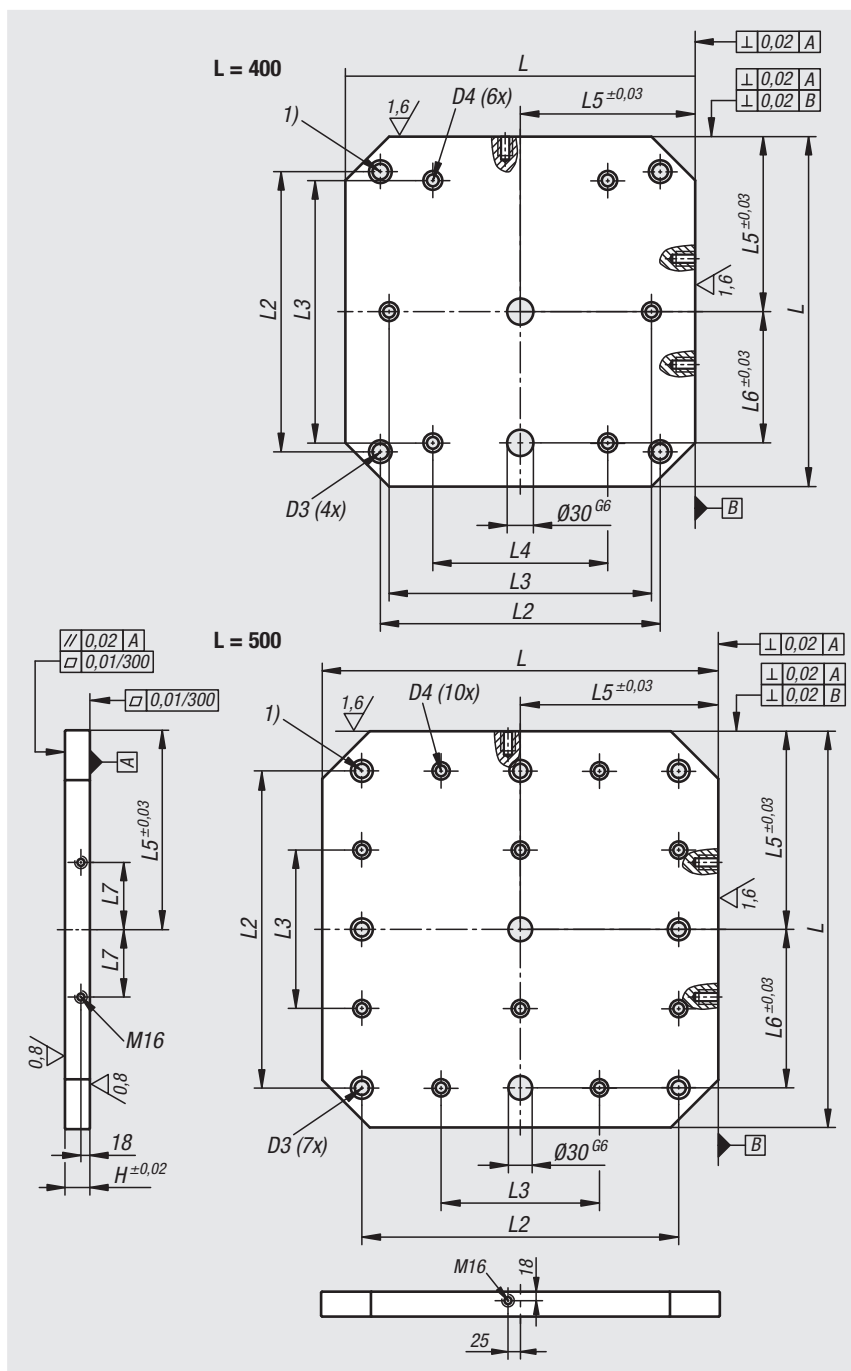
Please order locating pins for positioning subplates on machine tables acc. to DIN 55201 separately.

Ring bolts for hoisting are supplied.

Other dimensions available on request.

Drawing reference:

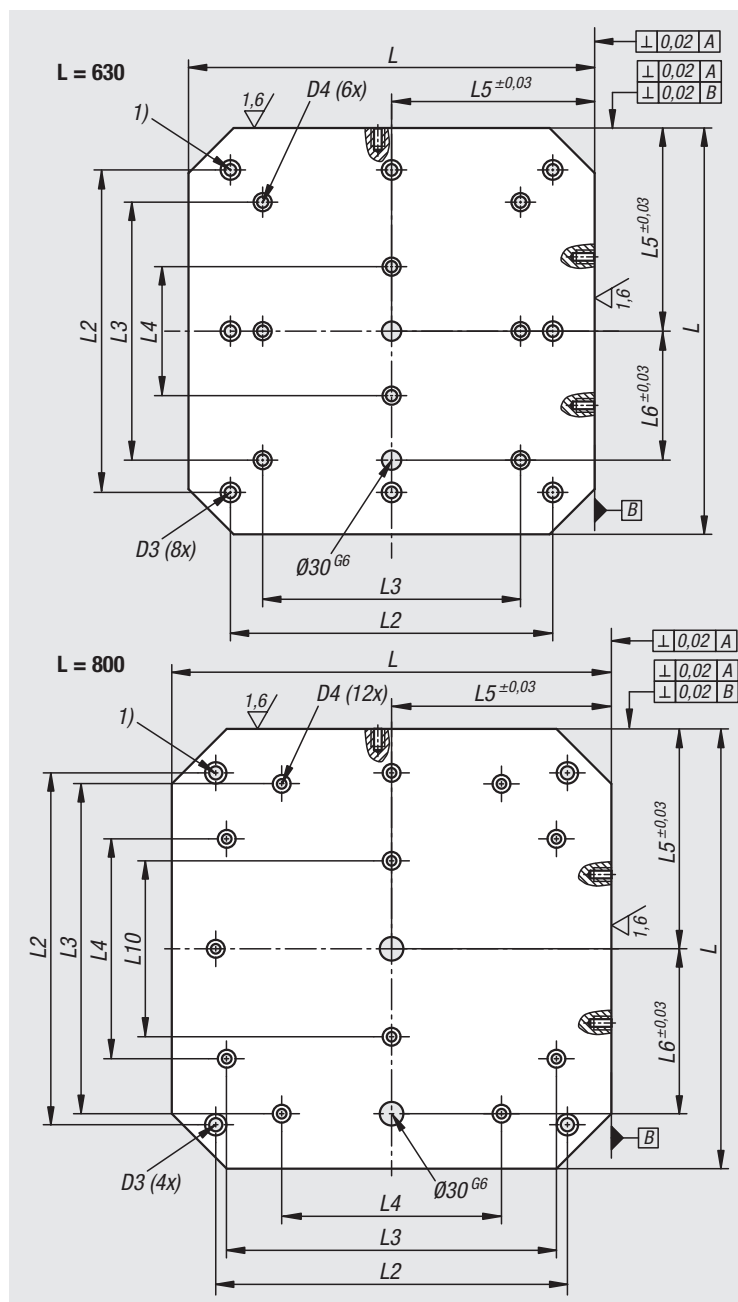
1) hole for DIN 912 cap screw (D3/D4)



Order No.	L	H	D3	D4	L2	L3	L4	L5	L6	L7	L10
01148-1004040	400	50	M16	M12	320	300	200	200	150	55	-
01148-1005050	500	50	M16	M12	400	200	-	250	200	75	-
01148-1006363	630	50	M16	M16	500	400	200	315	200	100	-
01148-1008080	800	50	M16	M16	640	600	400	400	300	135	320

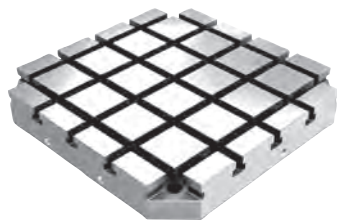
Subplates, grey cast iron

with pre-machined clamping faces



Subplates, grey cast iron

with T-slots



Material:

GJL 300.

Version:

Support and mounting surfaces ground

Sample order:

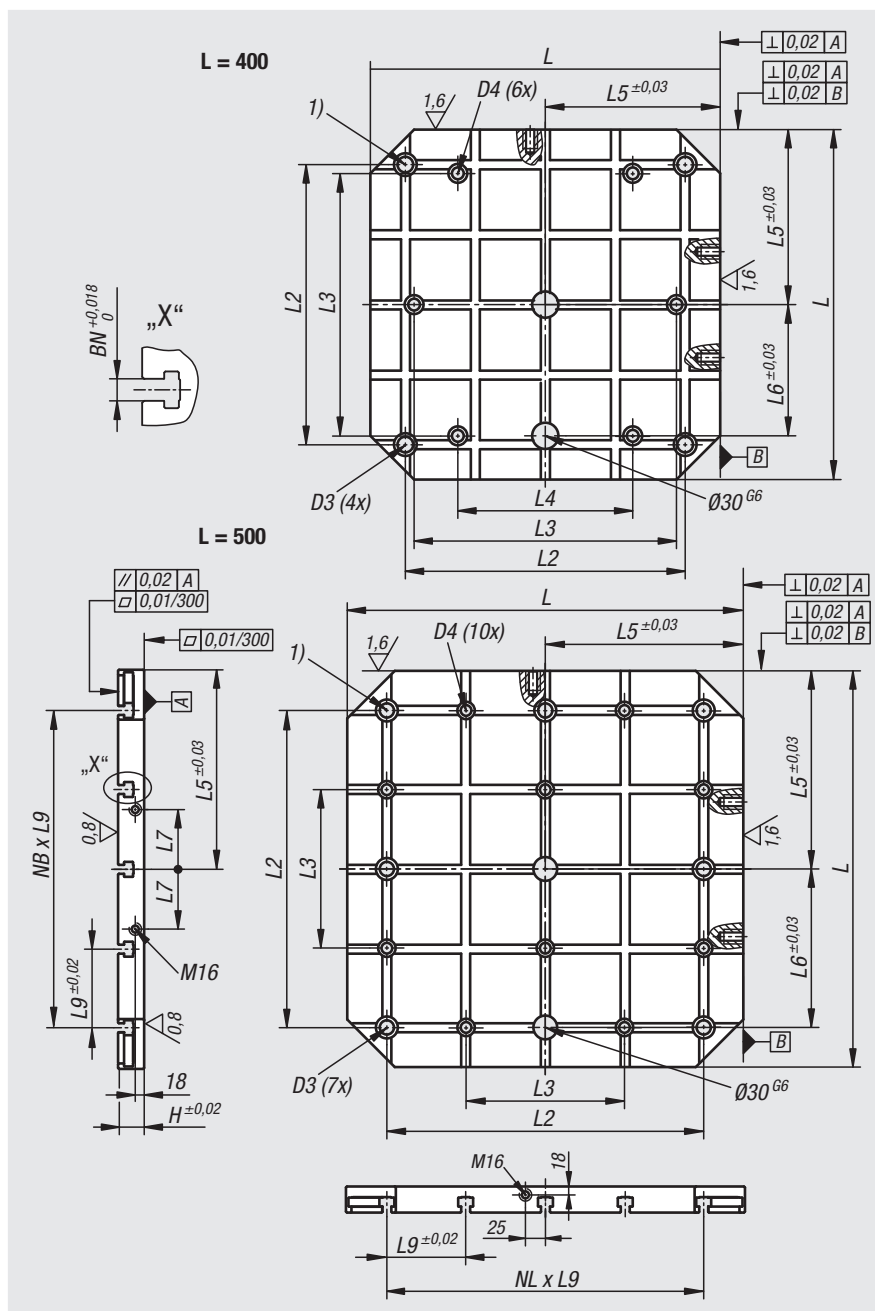
nlm 01148-3144040

Note:

Subplates with T-slots are used for constructing modular fixtures. These subplates are positioned and fastened directly on machine tables. The precise longitudinal and transverse slot spacing ensures very high repeat clamping accuracy. The subplates conform to machine tables for machine tools acc. to DIN 55201 and JIS 6337-1980. Please order locating pins for positioning subplates on machine tables acc. to DIN 55201 separately. Ring bolts with T-nuts for hoisting are supplied. Other dimensions available on request.

Drawing reference:

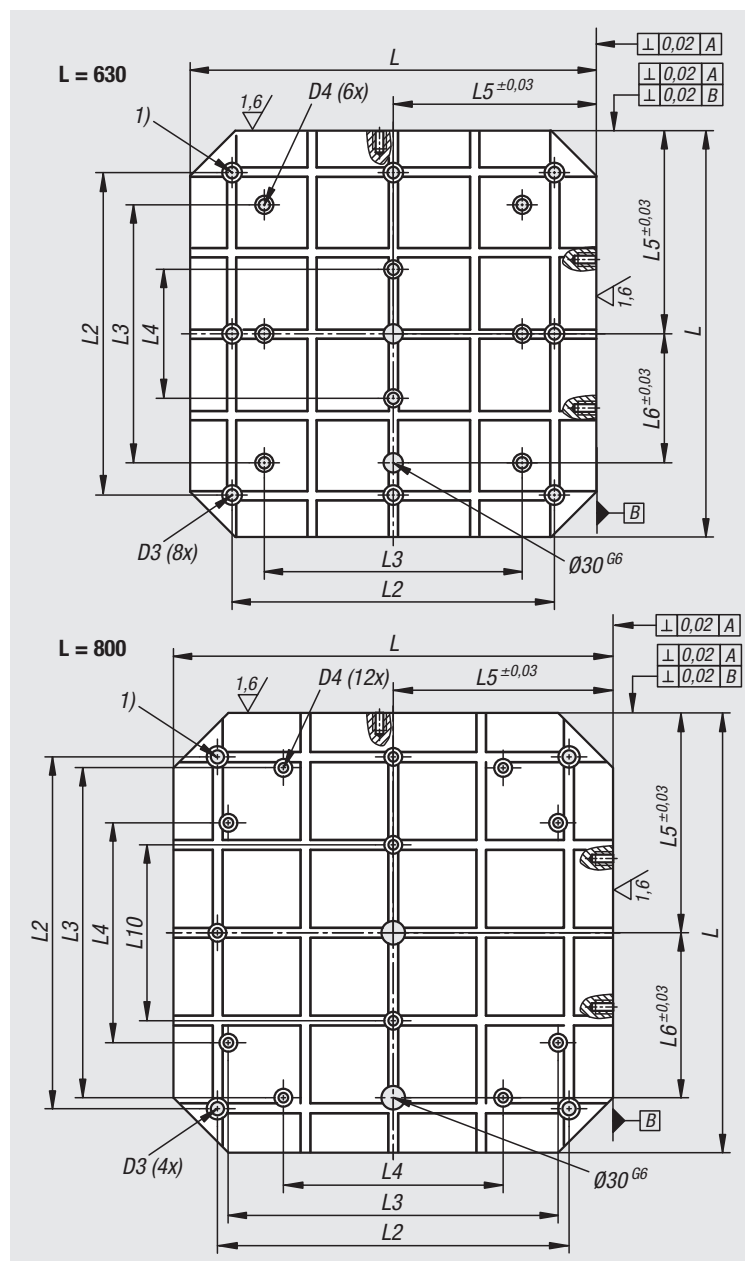
1) hole for DIN 912 cap screw (D3/D4)



Order No.	L	H	D3	D4	L2	L3	L4	L5	L6	L7	L9	L10	Slot width	NL=No. lengthwise	NB=No. across
01148-3144040	400	60	M16	M12	320	300	200	200	150	55	80	-	14	4	4
01148-3145050	500	60	M16	M12	400	200	-	250	200	75	100	-	14	4	4
01148-3146363	630	60	M16	M16	500	400	200	315	200	100	125	-	14	4	4
01148-3148080	800	60	M16	M16	640	600	400	400	300	135	160	320	14	4	4
01148-3184040	400	75	M16	M12	320	300	200	200	150	55	80	-	18	4	4
01148-3185050	500	75	M16	M12	400	200	-	250	200	75	100	-	18	4	4
01148-3186363	630	75	M16	M16	500	400	200	315	200	100	125	-	18	4	4
01148-3188080	800	75	M16	M16	640	600	400	400	300	135	160	320	18	4	4

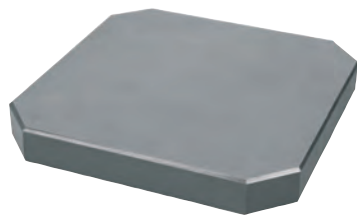
Subplates, grey cast iron

with T-slots



Subplates machined all sides

grey cast iron



Material:

GJL 250 annealed.

Sample order:

nIm 01150-002

Note:

The plates are also available with slots.

Type A:

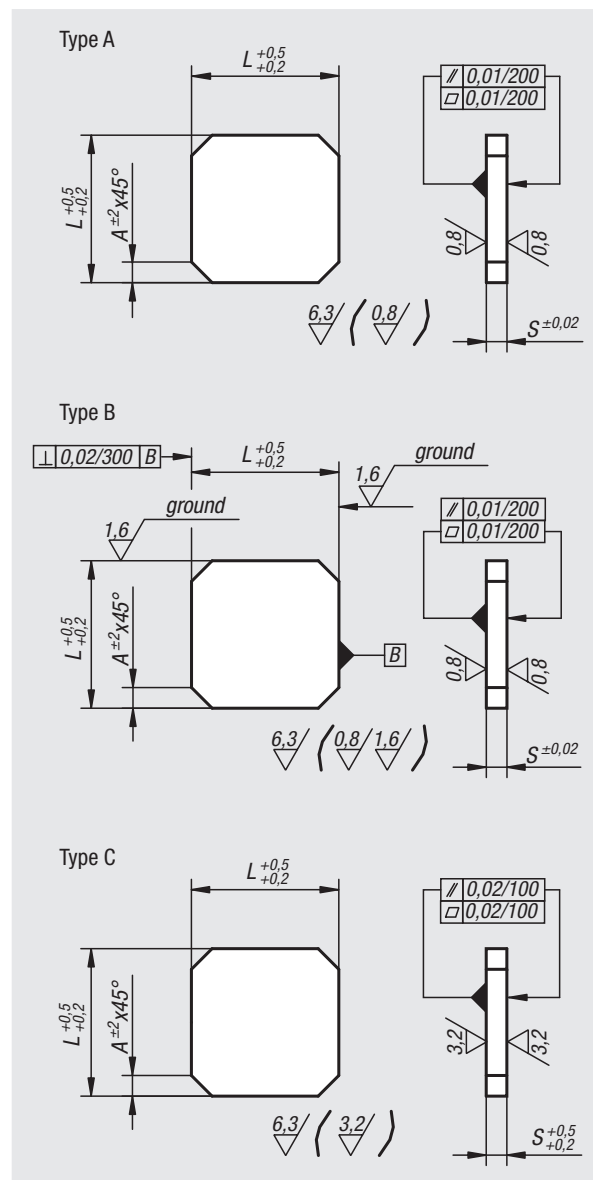
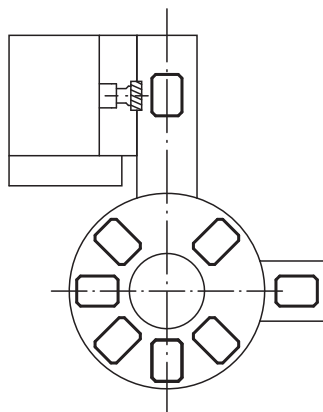
ground contact faces (Ra 0.8).

Type B:

ground contact faces (Ra 0.8) and sides (Ra 1.6).

Type C:

milled contact faces and sides (Ra 3.2).



Order No. Type A	Order No. Type B	Order No. Type C	L	S	A
01150-001	01150-0011	01150-00111	200	25	25
01150-002	01150-0021	01150-00211	250	35	35
01150-004	01150-0041	01150-00411	320	40	40
01150-006	01150-0061	01150-00611	400	45	50
01150-008	01150-0081	01150-00811	500	50	60
01150-010	01150-0101	01150-01011	630	63	70
01150-012	01150-0121	01150-01211	800	70	100

Block machined all sides

grey cast iron or aluminium



Material:

GJL 250 annealed or EN AW-7075

Sample order:

nIm 01160-05X300 (include length L)

Note:

The length L is cut by saw and is always supplied overlong.

Drawing reference:

machined surfaces:

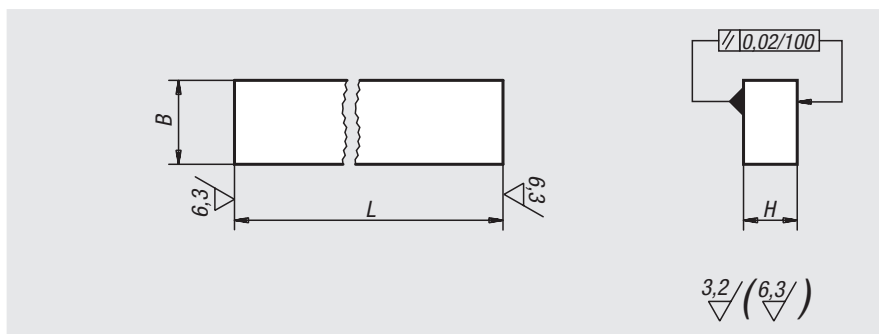
±0.25 mm

tolerances of lengths:

≤200 mm: +1/+5

from 201 mm to 400 mm: +4/+15

> 400 mm: +13/+40



Order No. grey cast iron	Order No. aluminium	L = length	B	H
01160-02X	01160-202X	300	32	20
01160-03X	01160-203X	300	40	25
01160-04X	01160-204X	300/600/800	50	32
01160-05X	01160-205X	300/600/800	63	40
01160-06X	01160-206X	300/600/1000	80	50
01160-07X	01160-207X	300/600/1000	100	63
01160-08X	01160-208X	300/600	125	80

01180

Base plate with flanges

grey cast iron

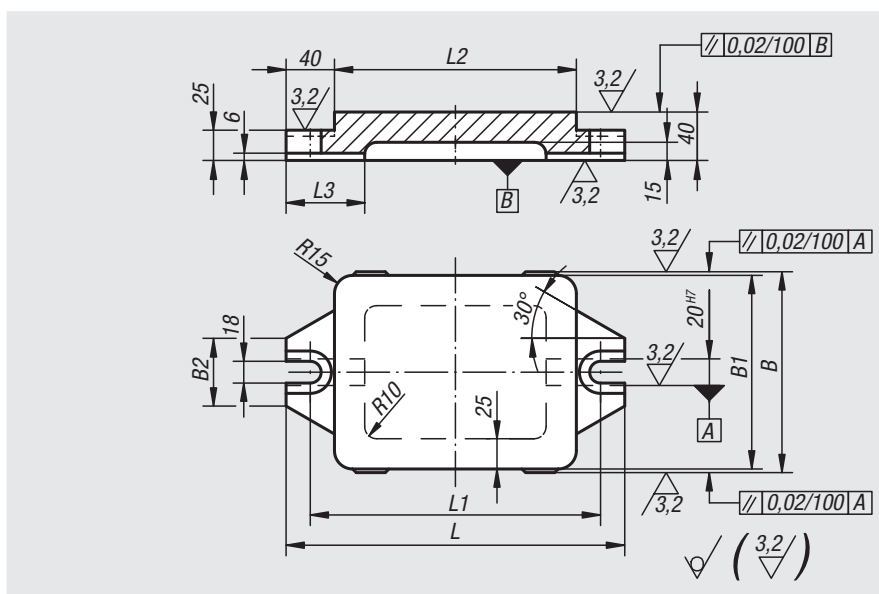
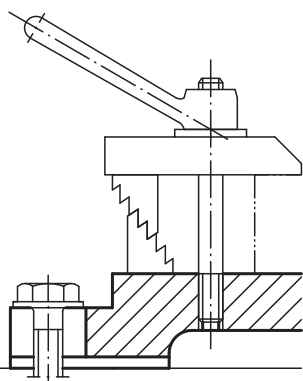


Material:

GJL 250 annealed.

Sample order:

nIm 01180-03



Order No.	L	L1	L2	L3	B	B1	B2
01180-01	240	200	160	65	166	160	56
01180-02	280	240	200	65	166	160	56
01180-03	330	290	250	70	206	200	74
01180-04	395	355	315	75	256	250	74

Angle plates

with or without T-slots cast iron


Material:

GJL 250 annealed.

Sample order:

nlm 01250-3203701

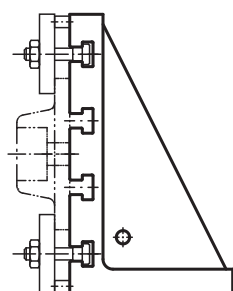
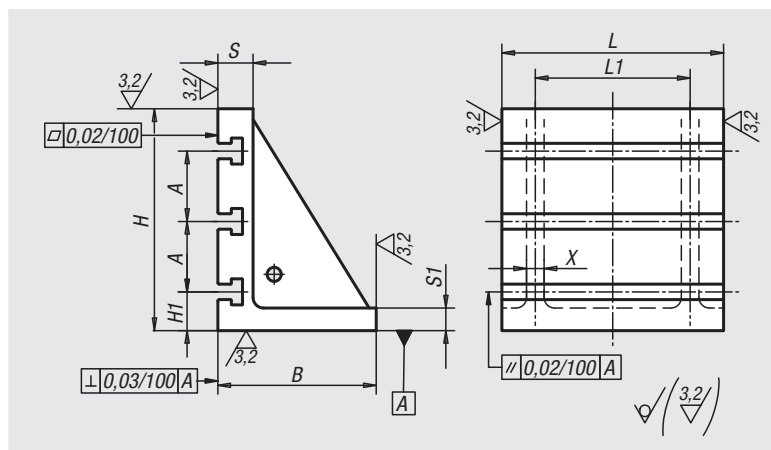
On request:

Other slot widths.

Drawing reference:

machined faces: +0.2 mm/ +0.5 mm

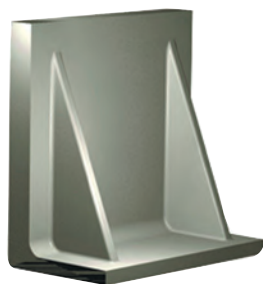
unmachined faces: ±2 mm



Order No. without slot	Order No. with t-slot	L	L1	B	H	H1	S	S1	A	X	T-slot
01250-100125	-	100	40	100	125	-	20	10	-	10	-
01250-125160	-	125	100	100	160	-	20	10	-	10	-
01250-200250	-	200	120	125	250	-	30	15	-	15	-
01250-250300	-	250	200	150	300	-	40	20	-	20	-
01250-320370	01250-3203701	320	280	200	370	-/65	50	25	-/80	25	-/14
01250-400450	01250-4004501	400	280	265	450	-/75	60	30	-/100	30	-/18
01250-500550	01250-5005501	500	360	315	550	-/75	70	35	-/100	35	-/18
01250-630640	01250-6306401	630	520	350	640	-/80	80	40	-/160	35	-/22
01250-700750	01250-7007501	700	600	400	750	-/135	80	40	-/160	40	-/22

Angle plates

aluminium



Material:

Aluminium (Rm 330 N/mm², 110 HB).

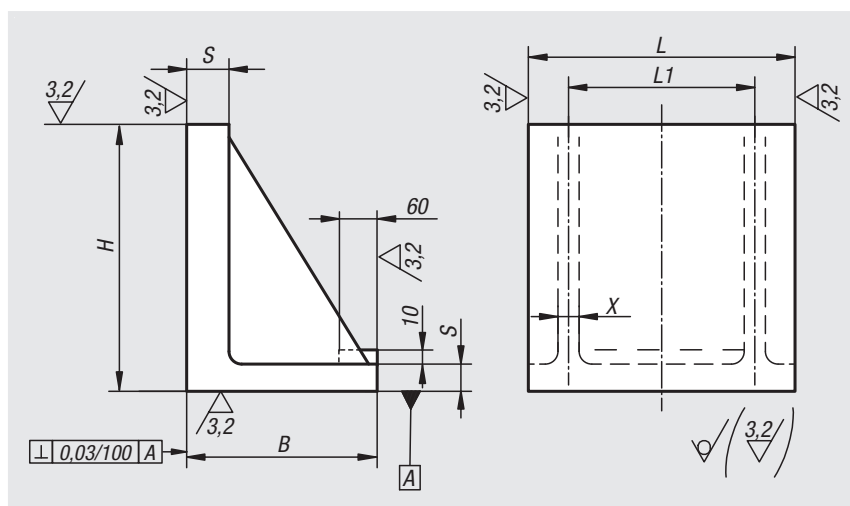
Sample order:

nln 01252-260250

Drawing reference:

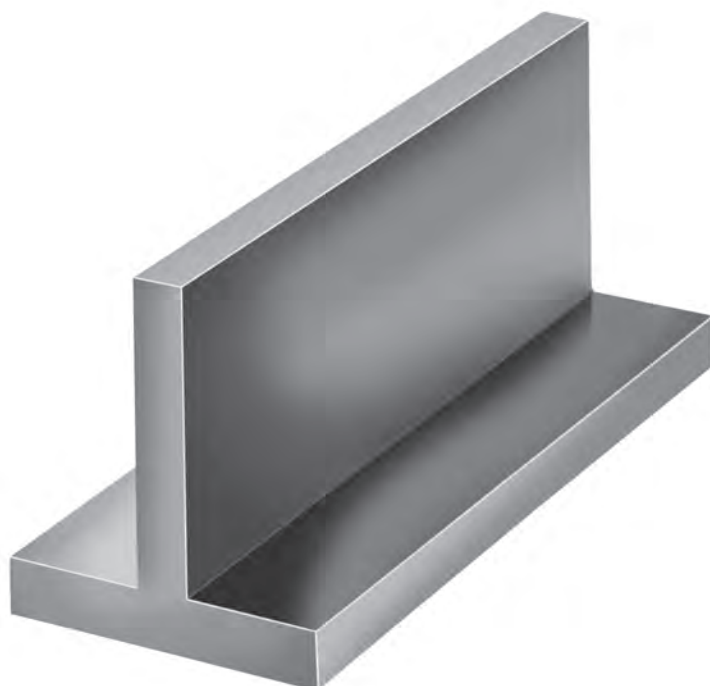
machined faces: +0.2 mm/ +0.5 mm

unmachined faces: ±2 mm

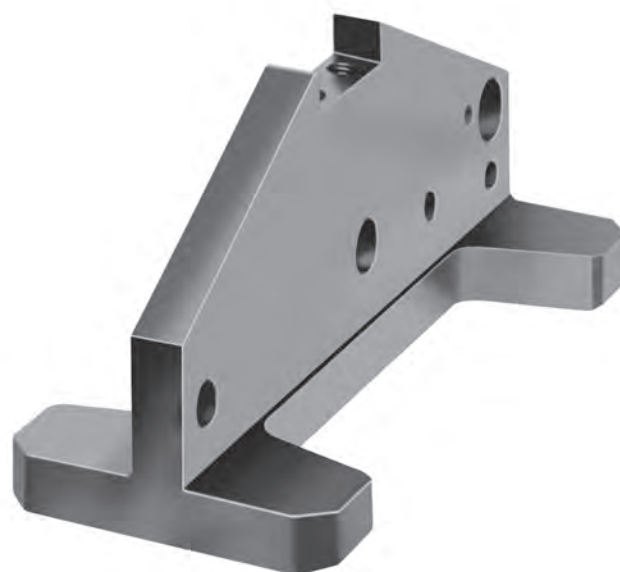


Order No.	B	H	L	L1	S	X
01252-260250	150	250	260	155	20	15
01252-335355	225	355	335	200	25	20
01252-410450	270	450	410	245	30	15

Cost-effective designing and machining with norelem:



norelem basic element: T-profile



Finished product

Tombstones, grey cast iron, double-sided,

with pre-machined clamping faces



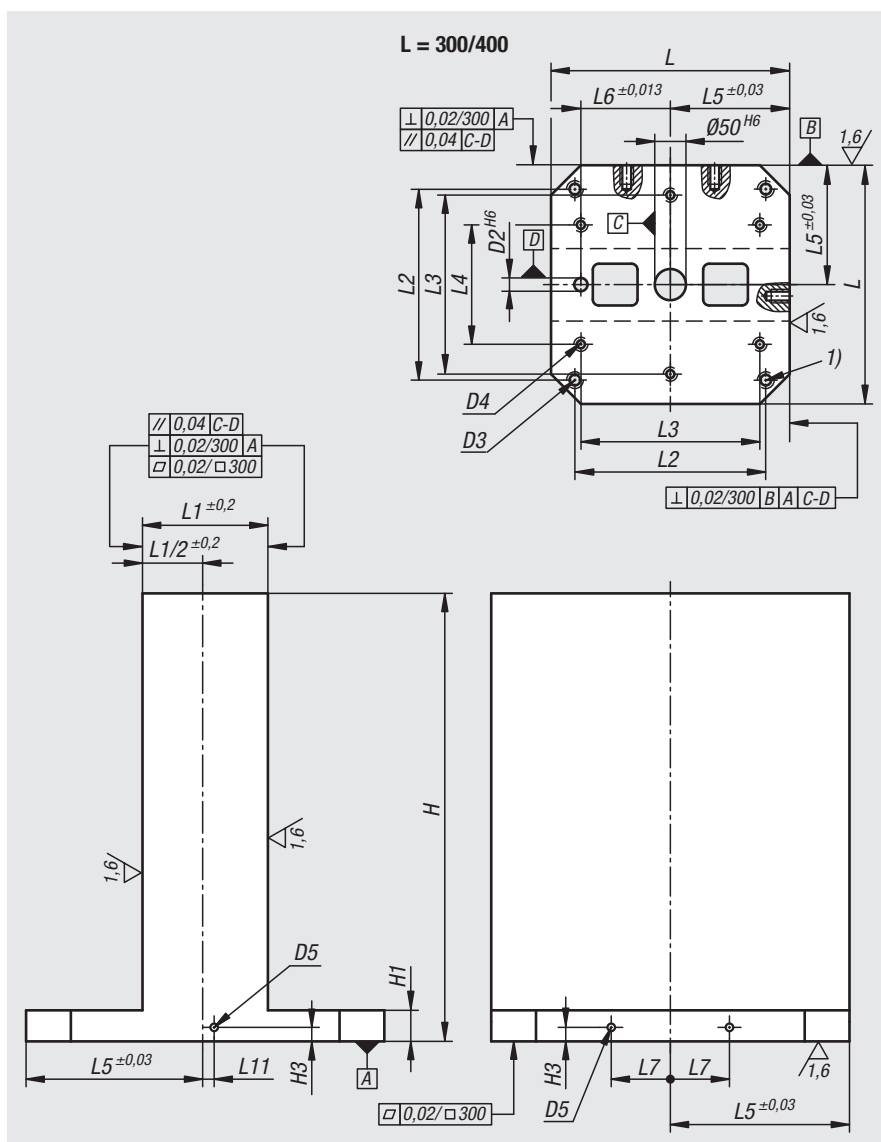
Material:
GJL 300.

Version:
Support and clamping faces are precision-machined.
The clamping faces have a +1 mm allowance.

Sample order:
nlm 01265-100030050

Note:
Tombstones with pre-machined clamping faces provide a fast and economic method of producing a body with specific grid or individual holes. The base is ready for mounting on the machine table. The two clamping faces can be machined to the end dimensions by the user. The tombstones conform to machine tables for machine tools acc. to DIN 55201 and JIS6337-1980. Please order locating pins for positioning subplates on machine tables acc. to DIN 55201 separately. Ring bolts for hoisting are supplied. Other dimensions available on request.

Drawing reference:
1) hole for DIN 912 cap screw (D3/D4)



Order No.	L	H	H1	D2	D3	D4	D5	H3	L1	L2	L3	L4	L5	L6	L7	L8	L11
01265-100030050	300	500	50	20	M12	M10	M12	15	81	250	200	-	150	100	40	-	0
01265-100040050	400	500	50	20	M16	M12	M16	18	151	320	300	200	200	150	55	-	25
01265-100040065	400	650	50	20	M16	M12	M16	18	151	320	300	200	200	150	55	-	25
01265-100050060	500	600	50	20	M16	M12	M16	18	201	400	200	-	250	200	75	-	25
01265-100050075	500	750	50	20	M16	M12	M16	18	201	400	200	-	250	200	75	-	25
01265-100063070	630	700	50	25	M16	M16	M16	18	251	500	400	-	315	200	100	-	25
01265-100063085	630	850	50	25	M16	M16	M16	18	251	500	400	-	315	200	100	-	25
01265-100080080	800	800	50	25	M16	M16	M16	18	301	640	600	400	400	300	135	-	25
01265-100080100	800	1000	50	25	M16	M16	M16	18	301	640	600	400	400	300	135	-	25
01265-100100100	1000	1000	55	25	M20	M20	M16	18	351	800	600	200	500	400	165	400	25
01265-100100125	1000	1250	55	25	M20	M20	M16	18	351	800	600	200	500	400	165	400	25

Tombstones, grey cast iron, double-sided,

with pre-machined clamping faces



01000

02000

03000

04000

05000

06000

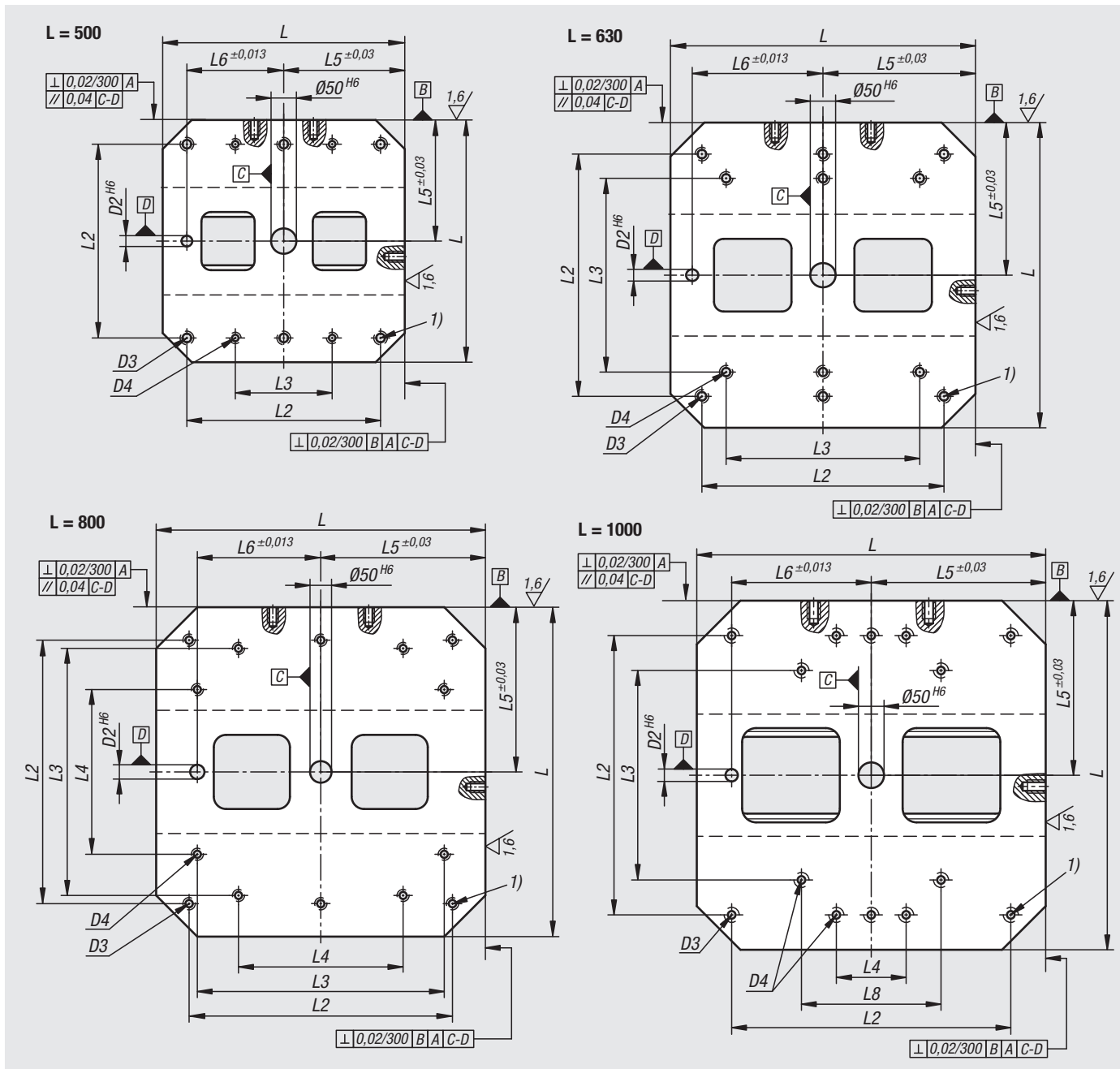
07000

08000

09000

10000

12000



Tombstones, grey cast iron, double-sided,

with T-slots

**Material:**

GJL 300.

Version:

Support and mounting surfaces precision machined

Sample order:

nlm 01265-314040050

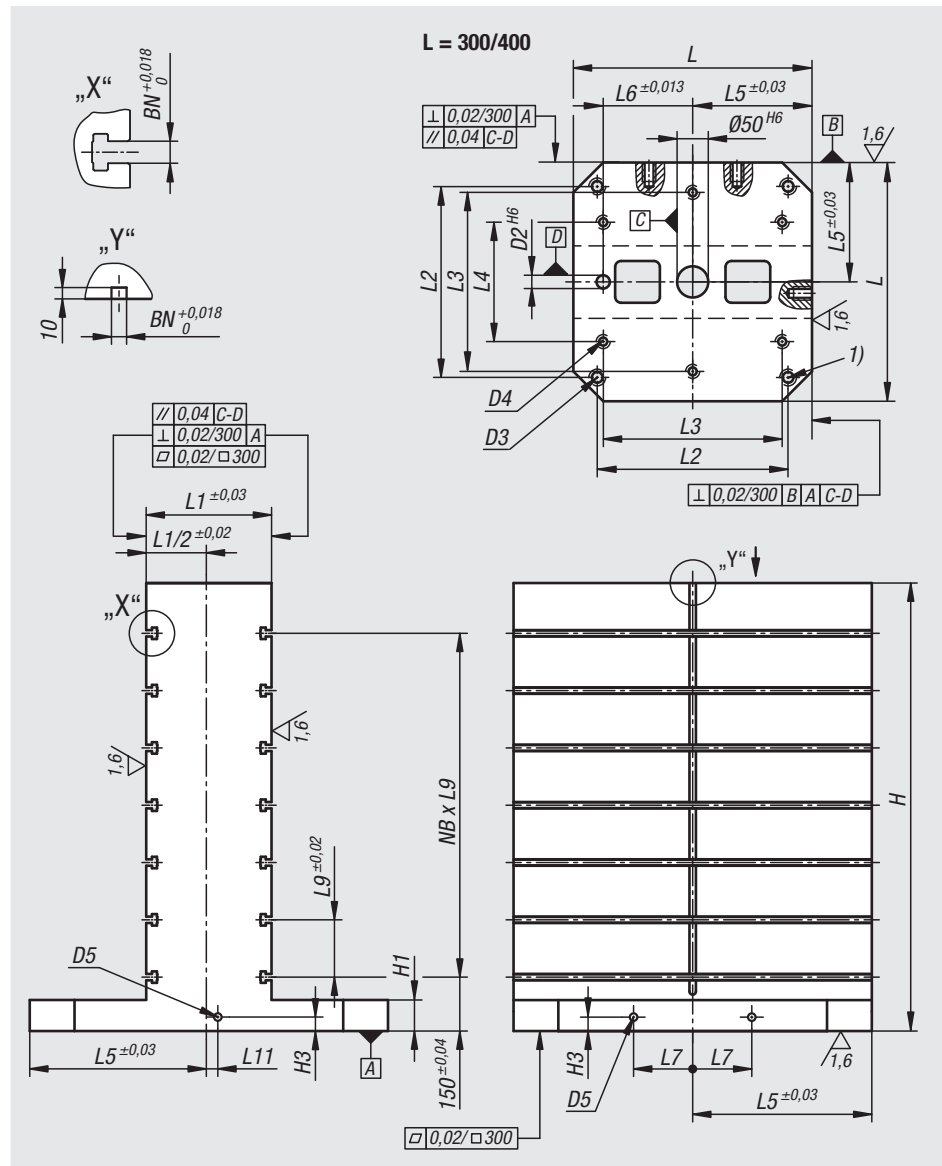
Note:

Tombstones with T-slots are used for constructing modular fixtures on horizontal machines. The precise longitudinal and transverse slot spacing ensures very high repeat clamping accuracy. The tombstones conform to machine tables for machine tools acc. to DIN 55201 and JIS 6337-1980.

Please order locating pins for positioning subplates on machine tables acc. to DIN 55201 separately. Ring bolts for hoisting are supplied. Other dimensions available on request.

Drawing reference:

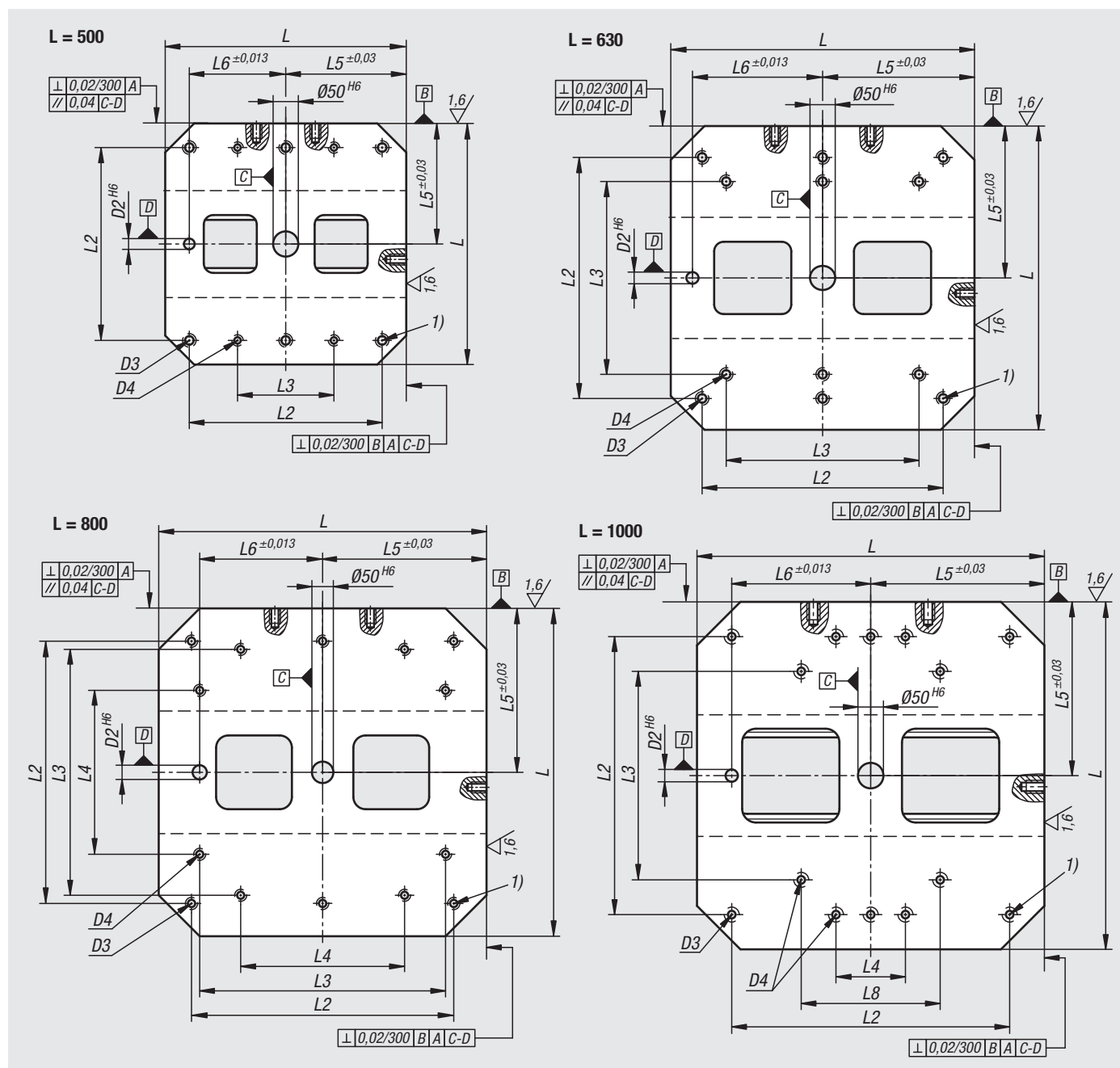
1) hole for DIN 912 cap screw (D3/D4)



Order No. BN=slot width 14	Order No. BN=slot width 18	L	H	H1	D2	D3	D4	D5	H3	L1	L2	L3	L4	L5	L6	L7	L8	L9	L11	NB=No. across
01265-314040050	01265-318040050	400	500	50	20	M16	M12	M16	18	150	320	300	200	200	150	55	-	100	25	3
01265-314040065	01265-318040065	400	650	50	20	M16	M12	M16	18	150	320	300	200	200	150	55	-	100	25	4
01265-314050060	01265-318050060	500	600	50	20	M16	M12	M16	18	200	400	200	-	250	200	75	-	100	25	4
01265-314050075	01265-318050075	500	750	50	20	M16	M12	M16	18	200	400	200	-	250	200	75	-	100	25	5
01265-314063070	01265-318063070	630	700	50	25	M16	M16	M16	18	250	500	400	-	315	200	100	-	125	25	4
01265-314063085	01265-318063085	630	850	50	25	M16	M16	M16	18	250	500	400	-	315	200	100	-	125	25	5
01265-314080080	01265-318080080	800	800	50	25	M16	M16	M16	18	300	640	600	400	400	300	135	-	150	25	4
01265-314080100	01265-318080100	800	1000	50	25	M16	M16	M16	18	300	640	600	400	400	300	135	-	150	25	5
01265-314100100	01265-318100100	1000	1000	55	25	M20	M20	M16	18	350	800	600	200	500	400	165	400	160	25	5
01265-314100125	01265-318100125	1000	1250	55	25	M20	M20	M16	18	350	800	600	200	500	400	165	400	160	25	6

Tombstones, grey cast iron, double-sided,

with T-slots



Tombstone, grey cast iron, double-sided,

for interchangeable subplates



Material:

GJL 300.

Version:

Support and mounting surfaces precision machined

Sample order:

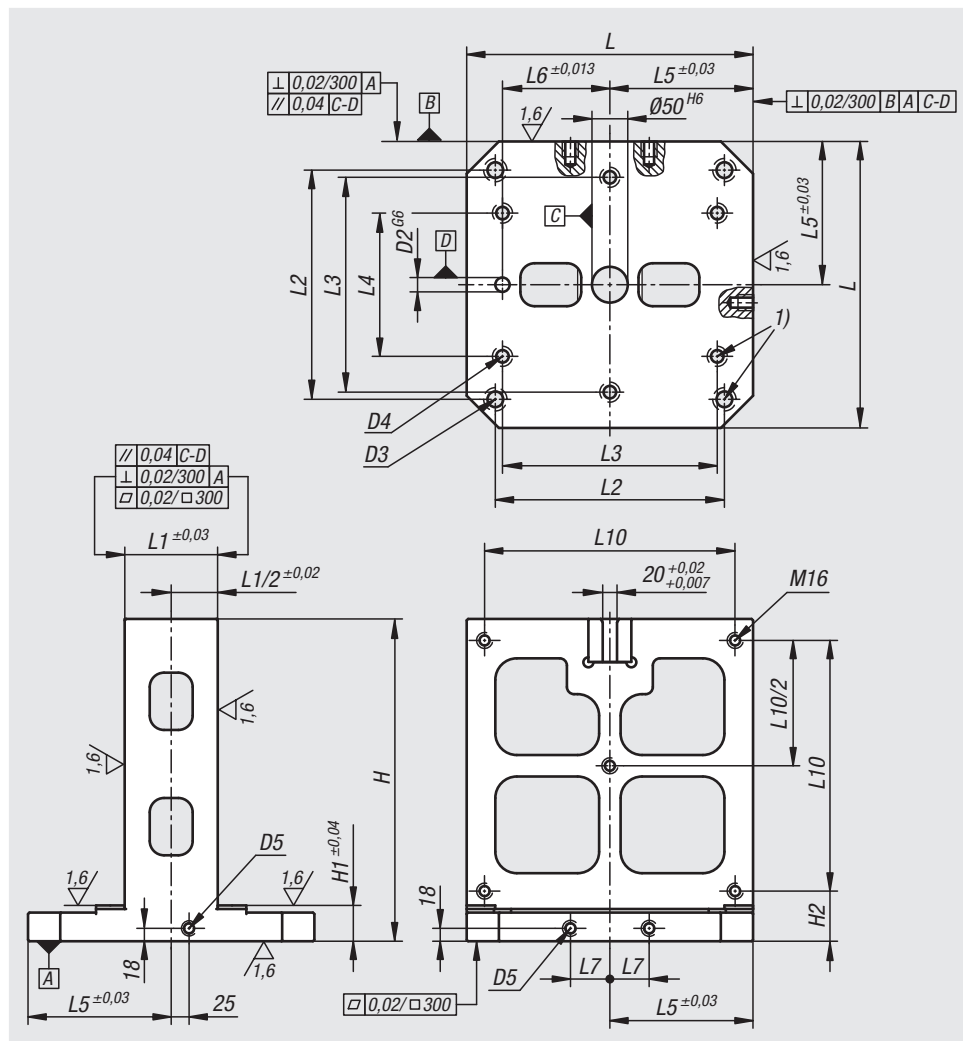
nlm 01267-14045

Note:

Interchangeable subplates can be positioned and mounted on both sides of the tombstone. This means that clamping fixtures can be replaced efficiently. The tombstones conform to machine tables for machine tools acc. to DIN 55201 and JIS6337-1980. Please order locating pins for positioning subplates on machine tables acc. to DIN 55201 separately. Ring bolts for hoisting are supplied, as well as 2 positioning pins for positioning the interchangeable subplates.

Drawing reference:

1) hole for DIN 912 cap screw



Order No.	L	L1	H	D2	D3	D4	D5	H1	H2	L2	L3	L4	L5	L6	L7	L10
01267-14045	400	130	450	20	M16	M12	M16	50	70	320	300	200	200	150	55	350
01267-15055	500	150	550	20	M16	M12	M16	55	75	400	200	-	250	200	75	450
01267-16369	630	220	690	25	M16	M16	M16	60	80	500	400	-	315	200	100	580
01267-18086	800	250	860	25	M16	M16	M16	60	80	640	600	400	400	300	135	750

Tombstones double-sided

grey cast iron



Material:

GJL 250

Version:

Reference surfaces precision machined.

Sample order:

nIm 01270-320125

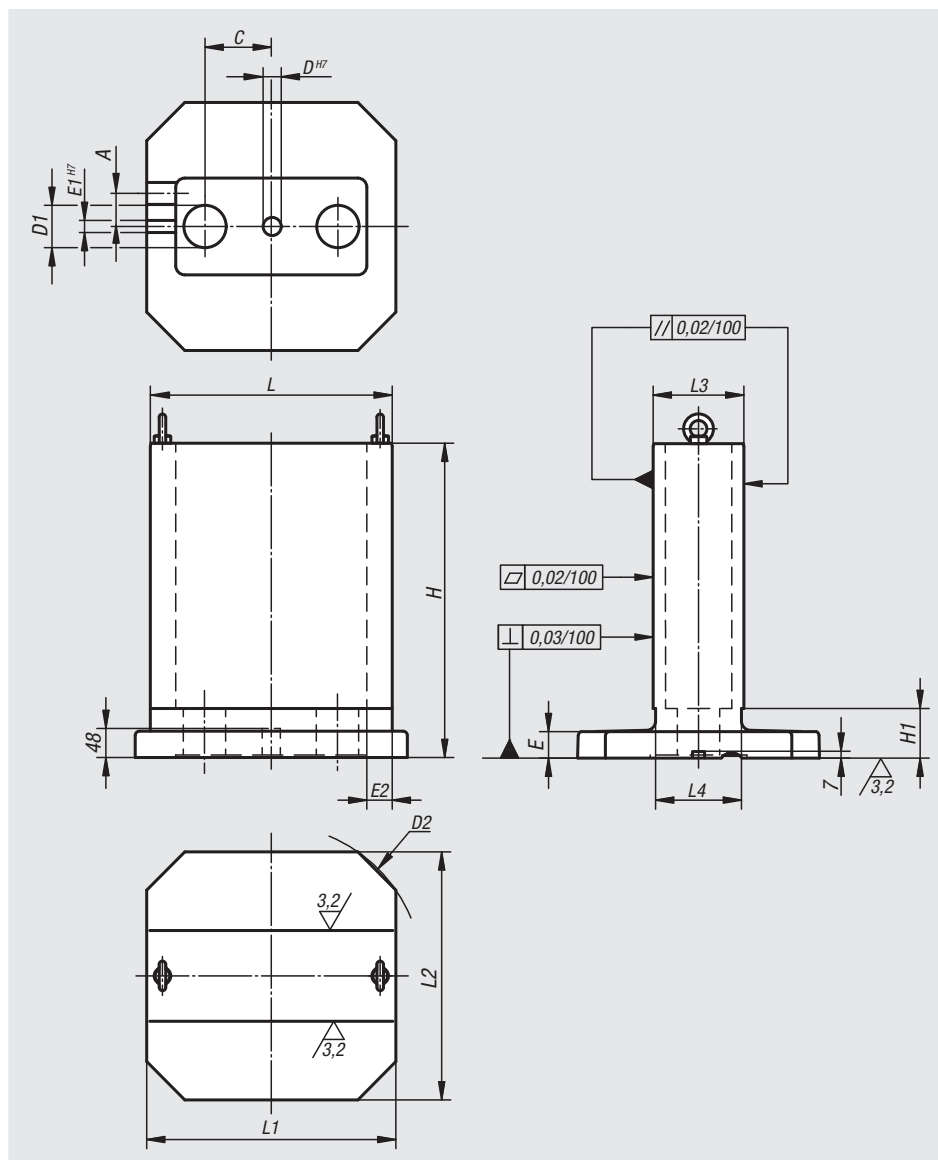
Note:

Ring bolts for lifting are supplied. A cover prevents the cavities filling up with swarf.

Drawing reference:

machined faces: +0.2 mm/ +0.5 mm

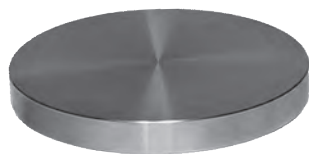
unmachined faces: ±2 mm



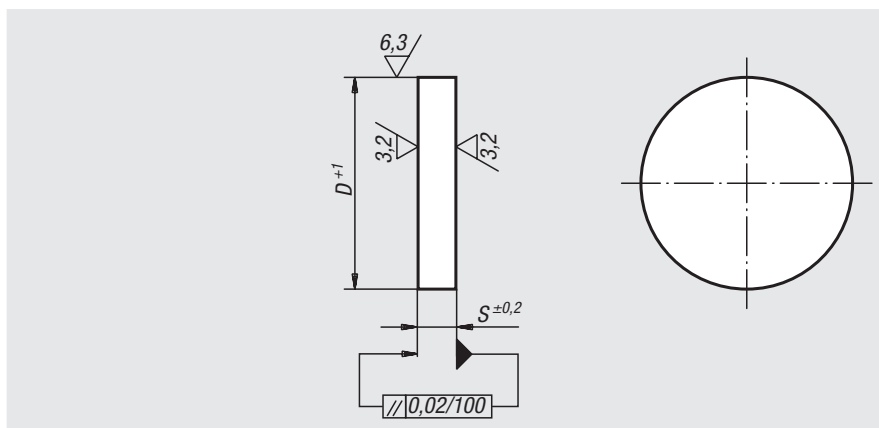
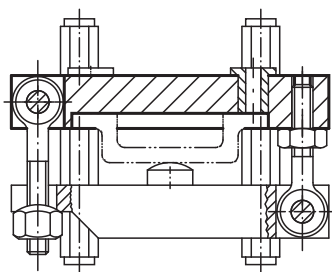
Order No.	A	C	D	D1	D2	E	E1	E2	H	H1	L	L1	L2	L3	L4
01270-320125	32,5	75	30	50	400	40	20	40	378	65	320	332	330	125	115
01270-400150	50	120	30	70	500	40	20	42	485	80	400	412	410	150	142
01270-500200	55	150	30	100	630	40	20	53	603	90	500	512	510	200	190

Circular plates

steel

**Material:**

Carbon steel 1.1181.

Sample order:nlm 01280-06X25
(include dimension S)

Order No.	S	D
01280-01X	16/20/25	140
01280-02X	16/20/25	180
01280-03X	16/20/25	220
01280-04X	16/20/25	280
01280-05X	20/25/32	355
01280-06X	25/32	400
01280-07X	25/32	450
01280-08X	36	500

Circular plates

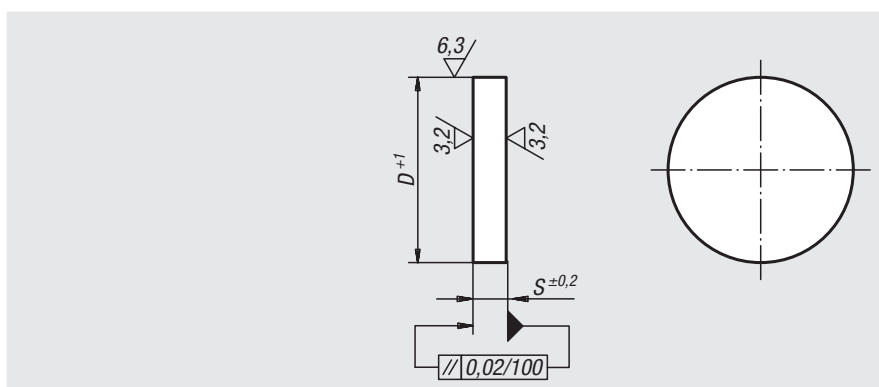
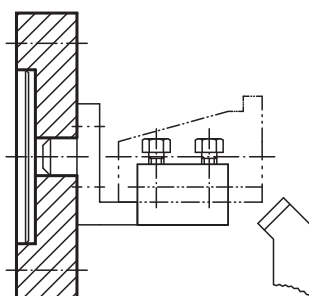
grey cast iron or aluminium

**Material:**

GJL 250 annealed or EN AW-7075.

Sample order:

nlm 01320-208



Order No. grey cast iron	Order No. aluminium	D	S
01320-01	01320-201	63	14
01320-02	01320-202	80	20
01320-03	01320-203	100	20
01320-04	01320-204	125	25
01320-05	01320-205	160	32
01320-06	01320-206	200	32
01320-07	01320-207	250	36
01320-08	01320-208	315	40
01320-09	01320-209	400	45
01320-10	01320-210	500	50

L-profiles

grey cast iron or aluminium



Material:

GJL 250 annealed or EN AW-7075.

Sample order:

nIm 01380-04X300
(include length L)

Note:

The length L is cut by saw and is always supplied overlong.

Drawing reference:

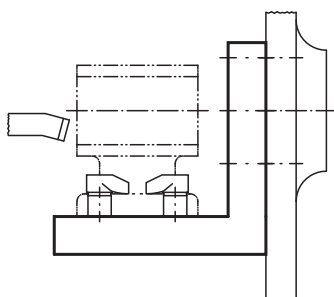
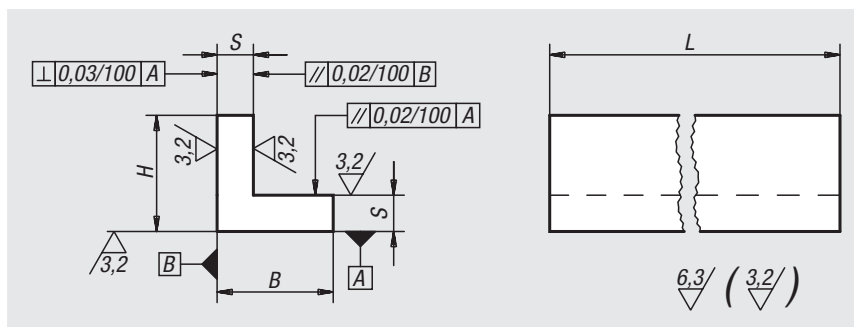
machined faces: ± 0.25 mm

length tolerance:

≤ 200 mm: $+3/+10$

> 200 mm ≤ 590 mm: $+8/+15$

≥ 600 mm: $+20/+50$



Order No. grey cast iron	Order No. aluminium	L = length	B	H	S
01380-01X	01380-201X	150/300	32	32	10
01380-02X	01380-202X	150/300	40	40	12
01380-03X	01380-203X	150/300	50	50	12
01380-04X	01380-204X	150/300	63	63	12
01380-05X	01380-205X	200/300/600/800	80	80	16
01380-06X	01380-206X	200/300/600/1000	100	100	20
01380-07X	01380-207X	200/300/600/1000	125	125	20
01380-08X	01380-208X	200/300/600	160	160	25
01380-09X	01380-209X	200/300/600	200	200	32
01380-10X	01380-210X	300/600	250	250	36
01380-11X	-	300/600	315	315	36

L-profiles unequal

grey cast iron or aluminium



Material:

GJL 250 annealed or EN AW-7075.

Sample order:

nIm 01440-03X600
(include length L)

Note:

The length L is cut by saw and is always supplied overlong.

Drawing reference:

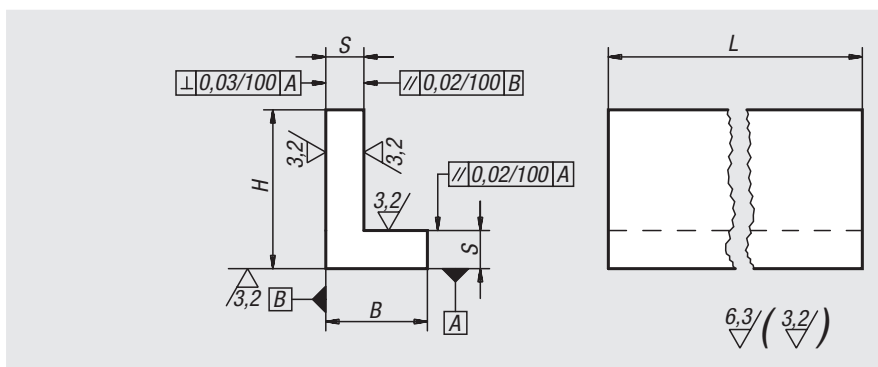
machined faces: ± 0.25 mm

length tolerance:

≤ 200 mm: $+3/+10$

> 200 mm ≤ 590 mm: $+8/+15$

≥ 600 mm: $+20/+50$



Order No. grey cast iron	Order No. aluminium	L = length	B	H	S
01440-01X	01440-201X	150/300	32	50	12
01440-02X	01440-202X	150/300	40	63	12
01440-03X	01440-203X	200/300/600/800	63	80	16
01440-04X	01440-204X	200/300/600/1000	80	100	20
01440-05X	01440-205X	200/300/600/1000	100	125	20
01440-06X	01440-206X	200/300/600	125	160	25
01440-07X	01440-207X	200/300/600	160	200	32
01440-08X	01440-208X	300/600	200	250	36
01440-09X	-	300/600	250	315	36

01520

L profile with reinforcing ribs

grey cast iron



Material:

GJL 250 annealed.

Sample order:

nIm 01520-04X400
(include length L)

Note:

Angle plates with lengths 150 mm and 200 mm have only one reinforcing rib.

The length L is cut by saw and is always supplied overlong.

Drawing reference:

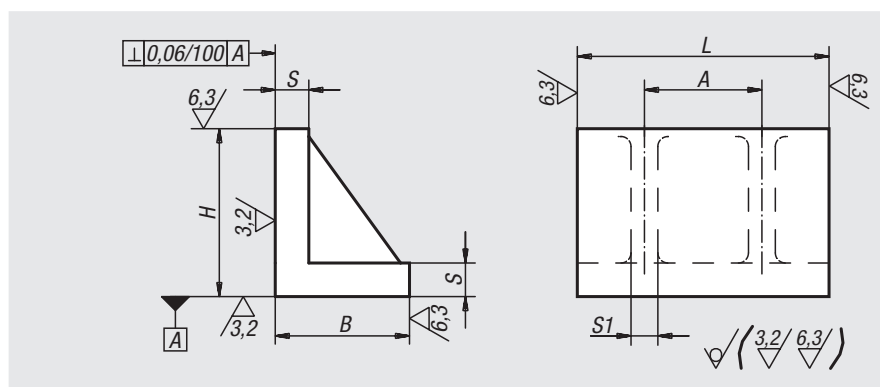
machined faces: ± 0.25 mm

unmachined faces: ± 2 mm

length tolerance:

≤ 200 mm: $+2/+5$

> 200 mm: $+10/+20$



Order No.	L = length	B	H	S	S1	A
01520-01X	150/300	80	100	20	16	160
01520-02X	150/300	100	125	22	18	160
01520-03X	150/300	125	160	25	20	160
01520-04X	200/400	160	200	32	22	200
01520-05X	200/400	200	250	36	25	200

H-profiles

grey cast iron or aluminium



Material:

GJL 250 annealed or EN AW-7075.

Sample order:

nIm 01560-04X300
(include length L)

Note:

The length L is cut by saw and is always supplied overlong.

Drawing reference:

machined faces: ± 0.25 mm

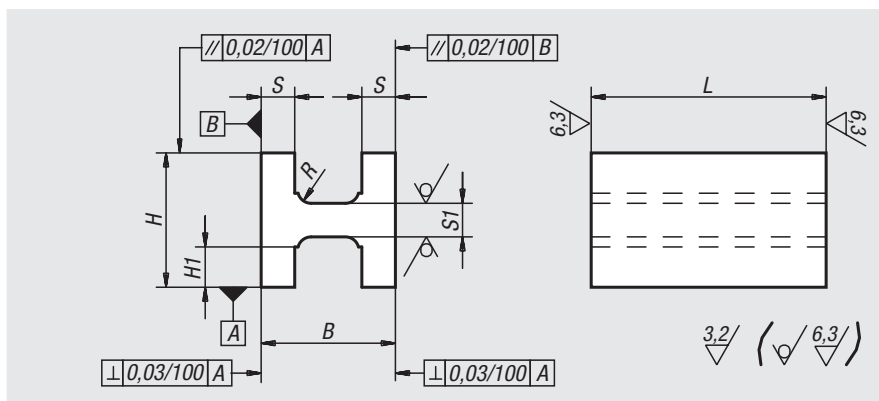
unmachined faces: ± 2 mm

length tolerance:

≤ 200 mm: $+3/+10$

> 200 mm ≤ 590 mm: $+8/+15$

≥ 600 mm: $+20/+50$

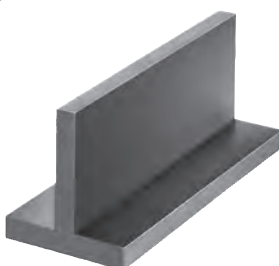


Order No. grey cast iron	Order No. aluminium	L = length	B	H	H1	S	S1	R
01560-03X	01560-203X	600	80	80	25	16	21	6
01560-04X	01560-204X	300/600	100	100	32	20	26	8
01560-05X	01560-205X	200/300/600	125	125	45	20	26	8

01580

T-profiles machined all sides

grey cast iron or aluminium



Material:

GJL 250 annealed or EN AW-7075.

Sample order:

nIm 01580-05X300
(include length L)

Note:

The length L is cut by saw and is always supplied overlong.

On request:

Lengths 800 mm and 1000 mm in cast iron.

Drawing reference:

machined faces: ± 0.25 mm

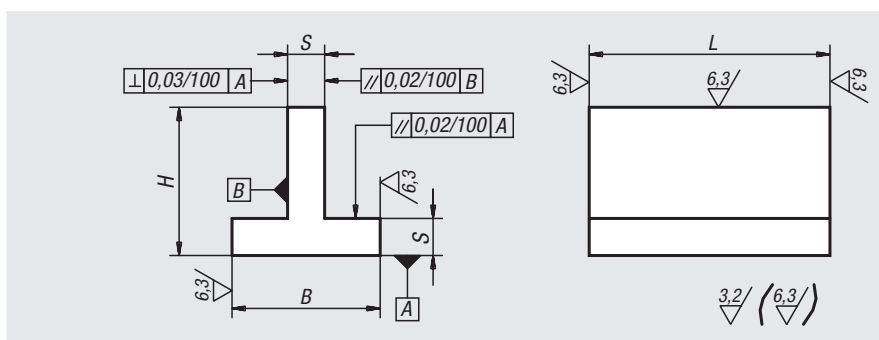
unmachined faces: ± 2 mm

length tolerance:

≤ 200 mm: $+3/+10$

> 200 mm ≤ 590 mm: $+8/+15$

≥ 600 mm: $+20/+50$



Order No. grey cast iron	Order No. aluminium	L = length	B	H	S
01580-01X	01580-201X	300	40	40	10
01580-02X	01580-202X	150/300	63	63	12
01580-03X	01580-203X	300/600/800	80	80	16
01580-04X	01580-204X	300/600/1000	100	100	20
01580-05X	01580-205X	300/600/1000	125	125	20
01580-06X	01580-206X	300/600	160	160	25
01580-07X	01580-207X	300/600	200	200	32

V-block machined all sides

grey cast iron or aluminium



Material:

GJL 250 annealed or EN AW-7075.

Sample order:

nIm 01640-05X200
(include length L)

Note:

The length L is cut by saw and is always supplied overlong.

Drawing reference:

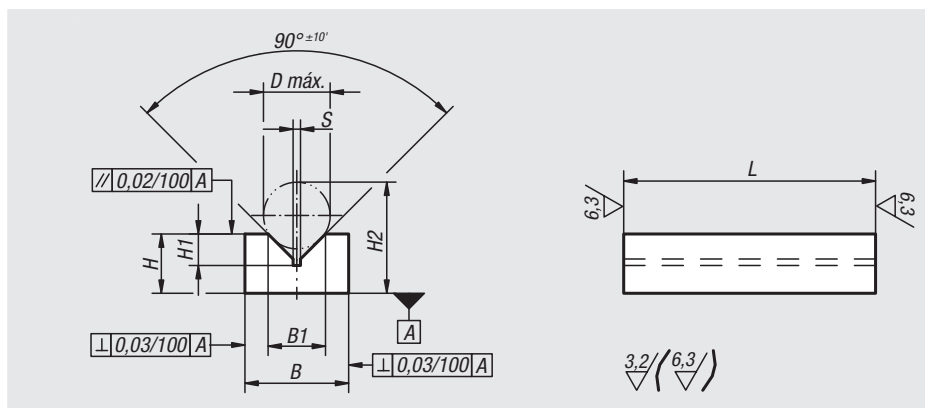
machined faces: ± 0.25 mm

length tolerance:

≤ 200 mm: $+3/+10$

> 200 mm ≤ 590 mm: $+8/+15$

≥ 600 mm: $+20/+50$



Order No. grey cast iron	Order No. aluminium	L = length	B	B1	H	H1	H2	D max.	S
01640-01X	01640-201X	100/200	25	15,5	16	8,5	30	18	2
01640-02X	01640-202X	100/200	36	21,9	20	11	38	24	2
01640-03X	01640-203X	100/200	40	26	25	13,5	47	29	2,5
01640-04X	01640-204X	200/300/600	50	31,7	36	17	66	38	2,5
01640-05X	01640-205X	200/300/600	70	50	50	26	95	58	3
01640-06X	01640-206X	200/300/600	100	79,3	70	41	139	90	4

V-block machined all sides

extra wide, grey cast iron



Material:

GJL 250 annealed.

Sample order:

nIm 01660-04X00
(include length L)

Note:

The length L is cut by saw and is always supplied overlong.

Drawing reference:

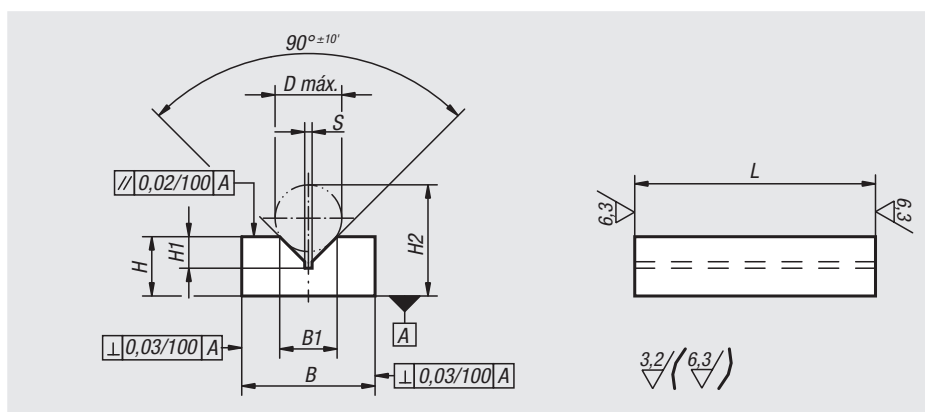
machined faces: ± 0.25 mm

length tolerance:

≤ 200 mm: $+3/+10$

> 200 mm ≤ 590 mm: $+8/+15$

≥ 600 mm: $+20/+50$



Order No.	L = length	B	B1	H	H1	H2	D max.	S
01660-01X	100/200	36	15,5	16	8,5	30	18	2
01660-02X	100/200	50	21,9	25	11	43	24	2
01660-03X	100/200	63	26	32	13,5	54	29	2,5
01660-04X	200/300/600	100	31,7	40	17	70	38	2,5
01660-05X	200/300/600	125	50	56	26	101	58	3
01660-06X	200/300/600	160	79,3	80	41	149	90	4

U-profiles machined all sides

grey cast iron or aluminium



Material:

GJL 250 annealed or EN AW-7075.

Sample order:

nIm 01680-06X300
(include length L)

Note:

The length L is cut by saw and is always supplied overlong.

On request:

Lengths 800 mm and 1000 mm in cast iron.

Drawing reference:

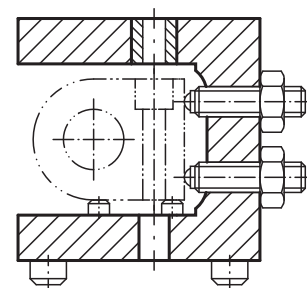
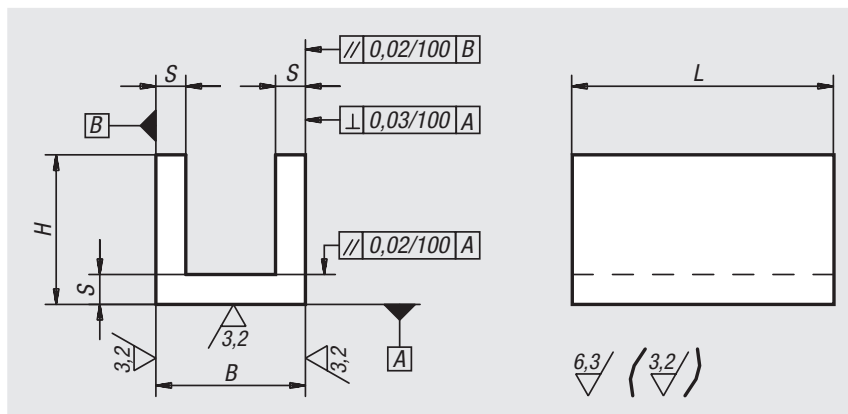
machined faces: ± 0.25 mm

length tolerance:

≤ 200 mm: $+3/+10$

> 200 mm ≤ 590 mm: $+8/+15$

≥ 600 mm: $+20/+50$



Order No.	Main material	L = length	B	H	S
01680-01X	grey cast iron	150/300	32	32	8
01680-02X	grey cast iron	150/300	40	40	10
01680-03X	grey cast iron	150/300/600	63	63	12
01680-04X	grey cast iron	200/300/600/800	80	80	16
01680-05X	grey cast iron	200/300/600/1000	100	100	20
01680-06X	grey cast iron	200/300/600/1000	125	125	20
01680-07X	grey cast iron	200/300/600	160	160	25
01680-08X	grey cast iron	200/300/600	200	200	32
01680-09X	grey cast iron	300/600	250	250	36
01680-10X	grey cast iron	300/600	250	200	36
01680-11X	grey cast iron	300/600	315	200	36
01680-201X	aluminium	150/300	32	32	8
01680-202X	aluminium	150/300	40	40	10
01680-203X	aluminium	150/300/600	63	63	12
01680-204X	aluminium	200/300/600/800	80	80	16
01680-205X	aluminium	200/300/600/1000	100	100	20
01680-206X	aluminium	200/300/600/1000	125	125	20
01680-207X	aluminium	200/300/600	160	160	25
01680-208X	aluminium	200/300/600	200	200	32
01680-209X	aluminium	300/600	250	250	36
01680-210X	aluminium	300/600	250	200	36
01680-211X	aluminium	300/600	315	200	36

Square hollow profiles

grey cast iron



Material:

GJL 250 annealed.

Sample order:

nIm 01740-06X200 (include length L)

Note:

The length L is cut by saw and is always supplied overlong.

Drawing reference:

machined faces: ± 0.25 mm

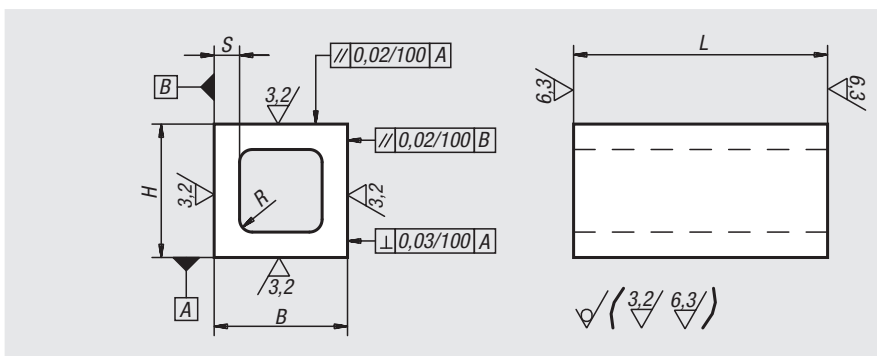
unmachined faces: ± 2 mm

length tolerance:

≤ 200 mm: $+3/+10$

> 200 mm ≤ 590 mm: $+8/+15$

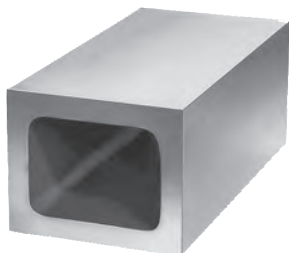
≥ 600 mm: $+20/+50$



Order No.	L = length	B	H	$\approx S$	R
01740-04X	100/200	63	63	12	6
01740-05X	200/400	80	80	18	8
01740-06X	200/400	100	100	20	10
01740-07X	200/400/600	125	125	22	12
01740-08X	200/300/600	160	160	25	16
01740-09X	200/300/600	200	200	28	20
01740-12X	600	250	250	36	20
01740-15X	600	315	315	56	20

Rectangular hollow profiles

grey cast iron



Material:

GJL 250 annealed.

Sample order:

nIm 01760-04X300 (include length L)

Note:

The length L is cut by saw and is always supplied overlong.

Drawing reference:

machined faces: ± 0.25 mm

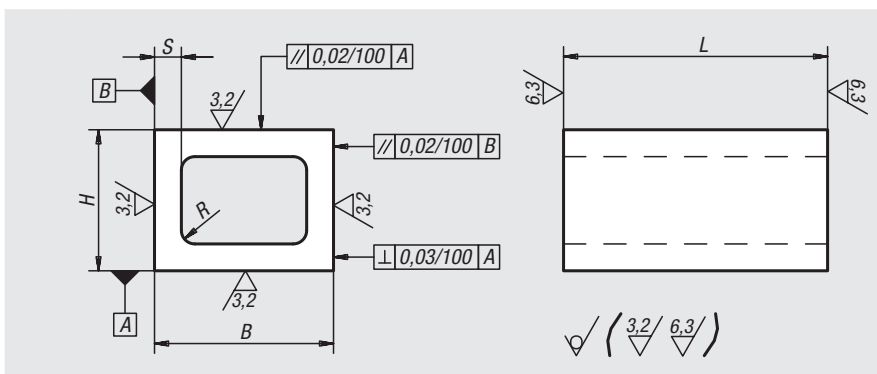
unmachined faces: ± 2 mm

length tolerance:

≤ 200 mm: $+3/+10$

> 200 mm ≤ 590 mm: $+8/+15$

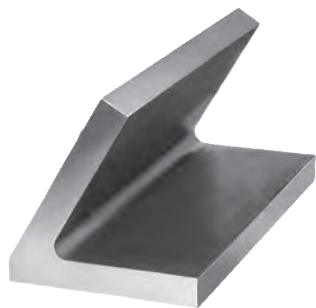
≥ 600 mm: $+20/+50$



Order No.	L = length	B	H	$\approx S$	R
01760-01X	100/200	80	63	12	6
01760-02X	200/400	100	80	16	8
01760-03X	200/300/600	160	100	22	10
01760-04X	200/300/600	200	160	25	16
01760-05X	300/600	250	200	28	20

Angle profiles 60°

grey cast iron



Material:

GJL 250 annealed.

Sample order:

nIm 01780-02X300 (include length L)

Note:

The length L is cut by saw and is always supplied overlong.

Drawing reference:

machined faces: ± 0.25 mm

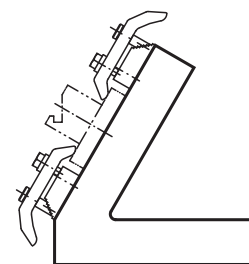
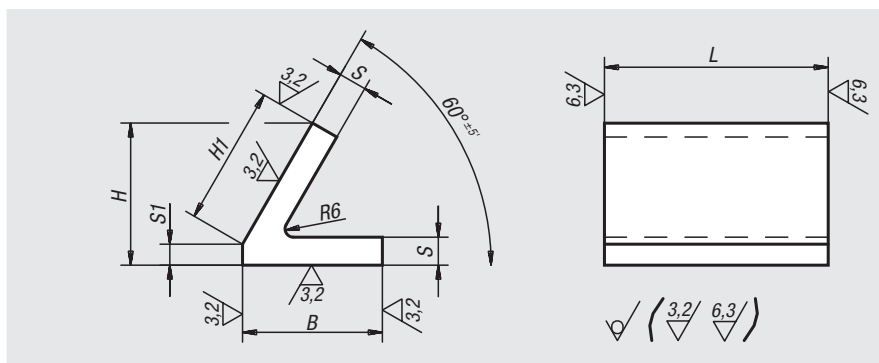
unmachined faces: ± 2 mm

length tolerance:

≤ 200 mm: $+3/+10$

> 200 mm ≤ 590 mm: $+8/+15$

≥ 600 mm: $+20/+50$



Order No.	L = length	B	H	H1	S	S1
01780-02X	300/600	100	101,5	100	20	15
01780-05X	300/600	200	197,5	200	32	24

01820

Angle profiles 45°

grey cast iron



Material:

GJL 250 annealed.

Sample order:

nIm 01820-05X300 (include length L)

Note:

The length L is cut by saw and is always supplied overlong.

Drawing reference:

machined faces: ± 0.25 mm

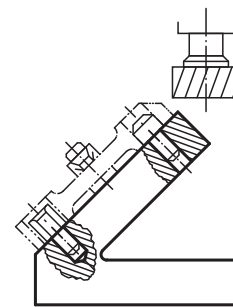
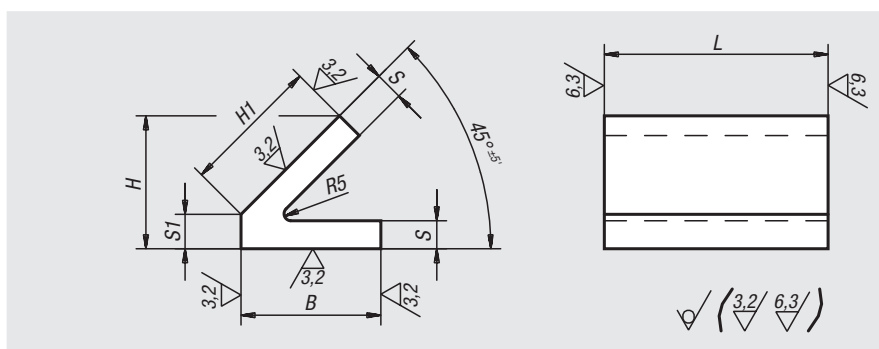
unmachined faces: ± 2 mm

length tolerance:

≤ 200 mm: $+3/+10$

> 200 mm ≤ 590 mm: $+8/+15$

≥ 600 mm: $+20/+50$



Order No.	L = length	B	H	H1	S	S1
01820-02X	300/600	100	95	100	20	24
01820-05X	300/600	200	181	200	32	40

Workholding cubes, grey cast iron

with pre-machined clamping faces



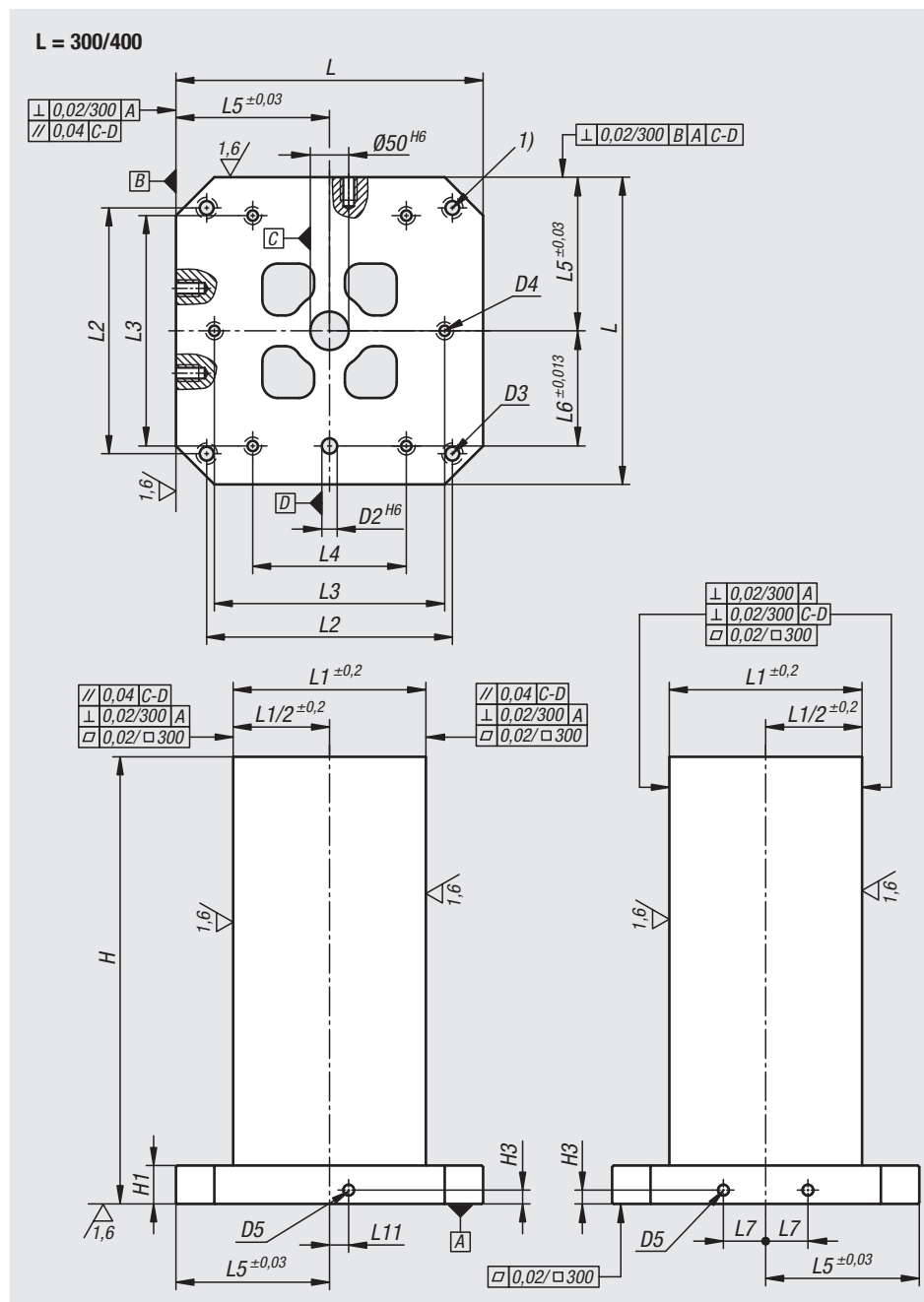
Material:
GJL 300.

Version:
Support and clamping faces are precision-machined.
The clamping faces have a +0.5 mm allowance.

Sample order:
nlm 01850-100030050

Note:
Workholding cubes with pre-machined clamping faces provide a quick and economic way of producing base elements with specific grid or individual holes. The foot is ready for mounting on the machine table. The four clamping faces can be machined to the end dimensions by the user. The workholding cubes conform to machine tables for machine tools acc. to DIN 55201 and JIS 6337-1980.
Please order locating pins for positioning subplates on machine tables acc. to DIN 55201 separately. Ring bolts for hoisting are supplied.
Other dimensions available on request.

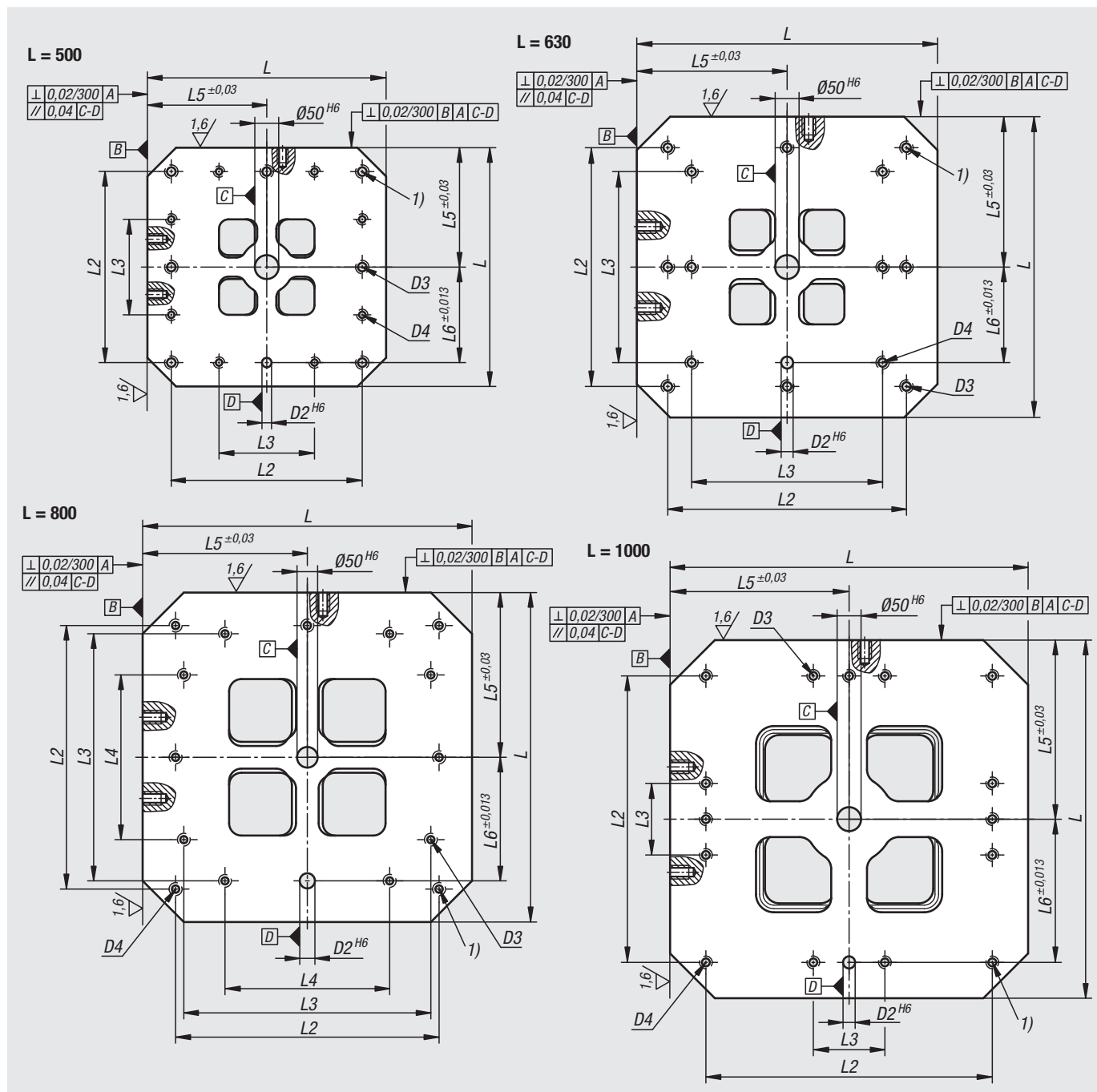
Drawing reference:
1) hole for DIN 912 cap screw (D3/D4)



Order No.	L	H	H1	D2	D3	D4	D5	H3	L1	L2	L3	L4	L5	L6	L7	L11
01850-100030050	300	500	50	20	M12	M10	M12	15	151	250	200	-	150	100	40	0
01850-100040050	400	500	50	20	M16	M12	M16	18	251	320	300	200	200	150	55	25
01850-100040065	400	650	50	20	M16	M12	M16	18	251	320	300	200	200	150	55	25
01850-100050060	500	600	50	20	M16	M12	M16	18	301	400	200	-	250	200	75	25
01850-100050075	500	750	50	20	M16	M12	M16	18	301	400	200	-	250	200	75	25
01850-100063070	630	700	50	25	M16	M16	M16	18	351	500	400	-	315	200	100	25
01850-100063085	630	850	50	25	M16	M16	M16	18	351	500	400	-	315	200	100	25
01850-100080080	800	800	50	25	M16	M16	M16	18	501	640	600	400	400	300	135	25
01850-100080100	800	1000	50	25	M16	M16	M16	18	501	640	600	400	400	300	135	25
01850-100100100	1000	1000	55	25	M20	M20	M16	18	601	800	200	-	500	400	165	25
01850-100100125	1000	1250	55	25	M20	M20	M16	18	601	800	200	-	500	400	165	25

Workholding cubes, grey cast iron

with pre-machined clamping faces



Workholding cubes, grey cast iron

with T-slots



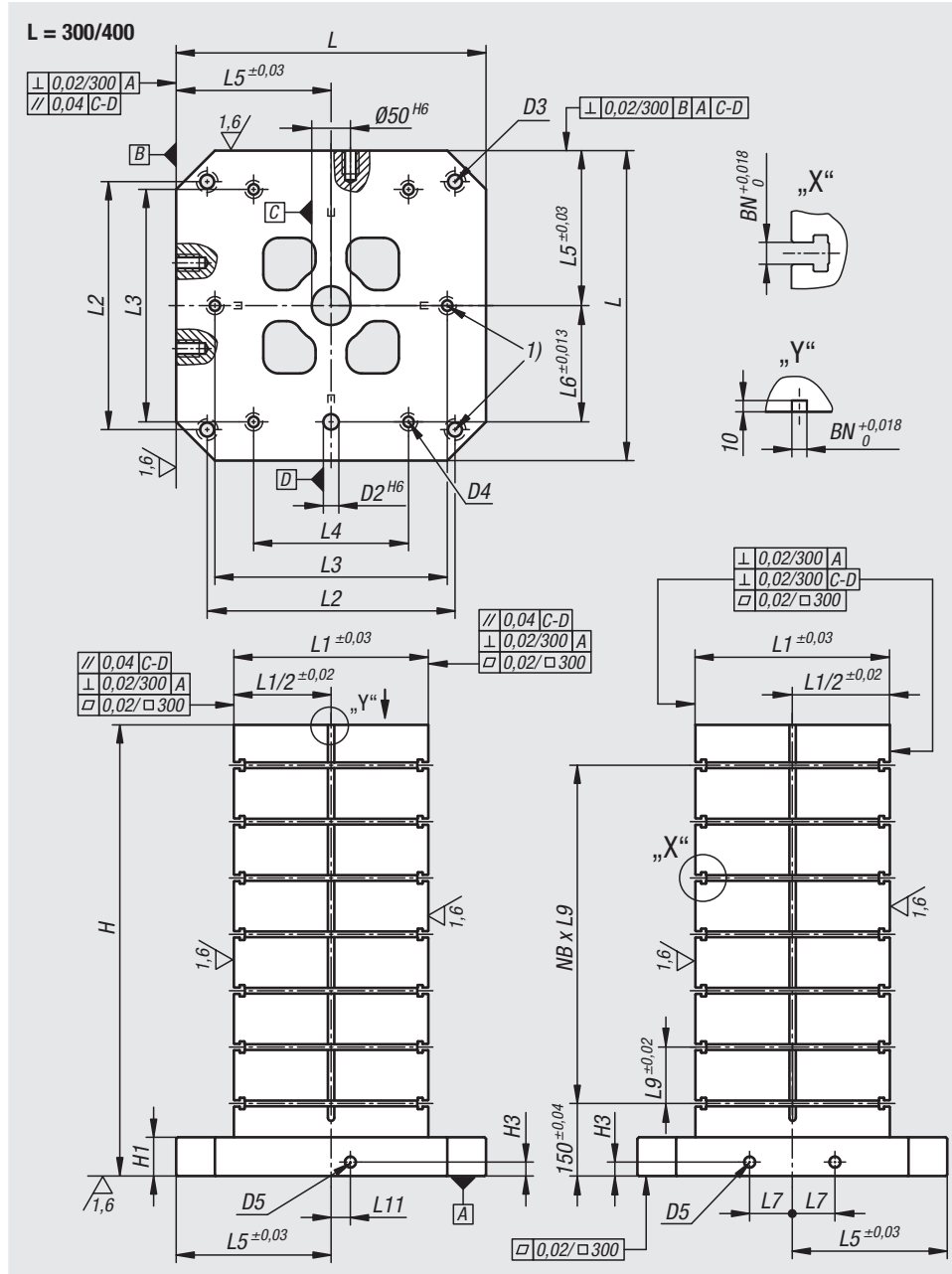
Material:
GJL 300.

Version:
Support and mounting surfaces precision machined

Sample order:
nlm 01850-314040050

Note:
Workholding cubes with T-slots are used for constructing modular fixtures on horizontal machines.
The precise longitudinal and transverse slot spacing ensures very high repeat clamping accuracy.
The workholding cubes conform to machine tables for machine tools acc. to DIN 55201 and JIS 6337-1980.
Please order locating pins for positioning subplates on machine tables acc. to DIN 55201 separately.
Ring bolts for hoisting are supplied.
Other dimensions available on request.

Drawing reference:
1) hole for DIN 912 cap screw (D3/D4)



Workholding cubes, grey cast iron

with T-slots



01000

02000

03000

04000

05000

06000

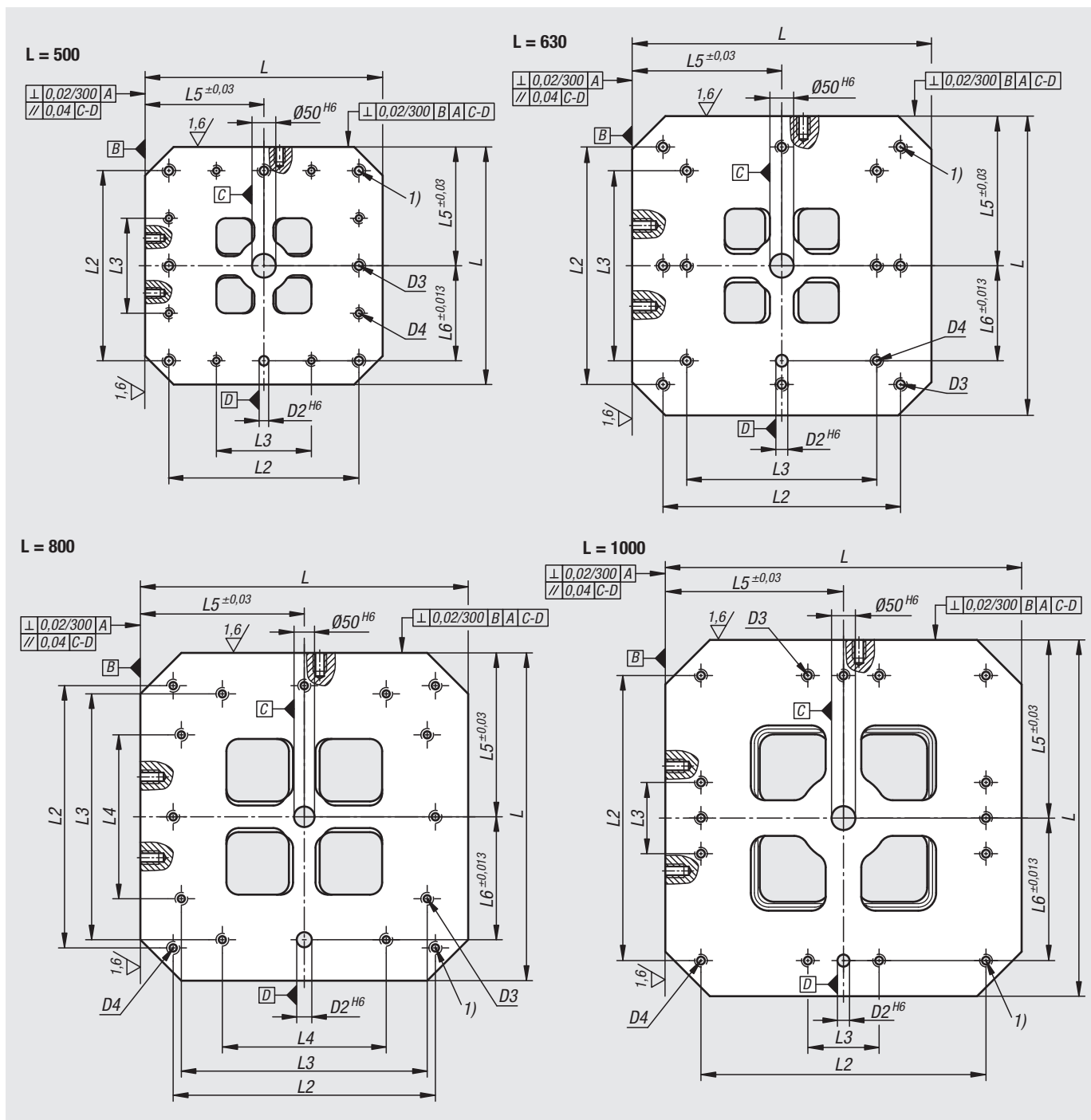
07000

08000

09000

10000

12000



Tombstones cube

grey cast iron


Material:

GJL 250

Version:

Reference surfaces precision machined

Sample order:

nIm 01852-320180

Note:

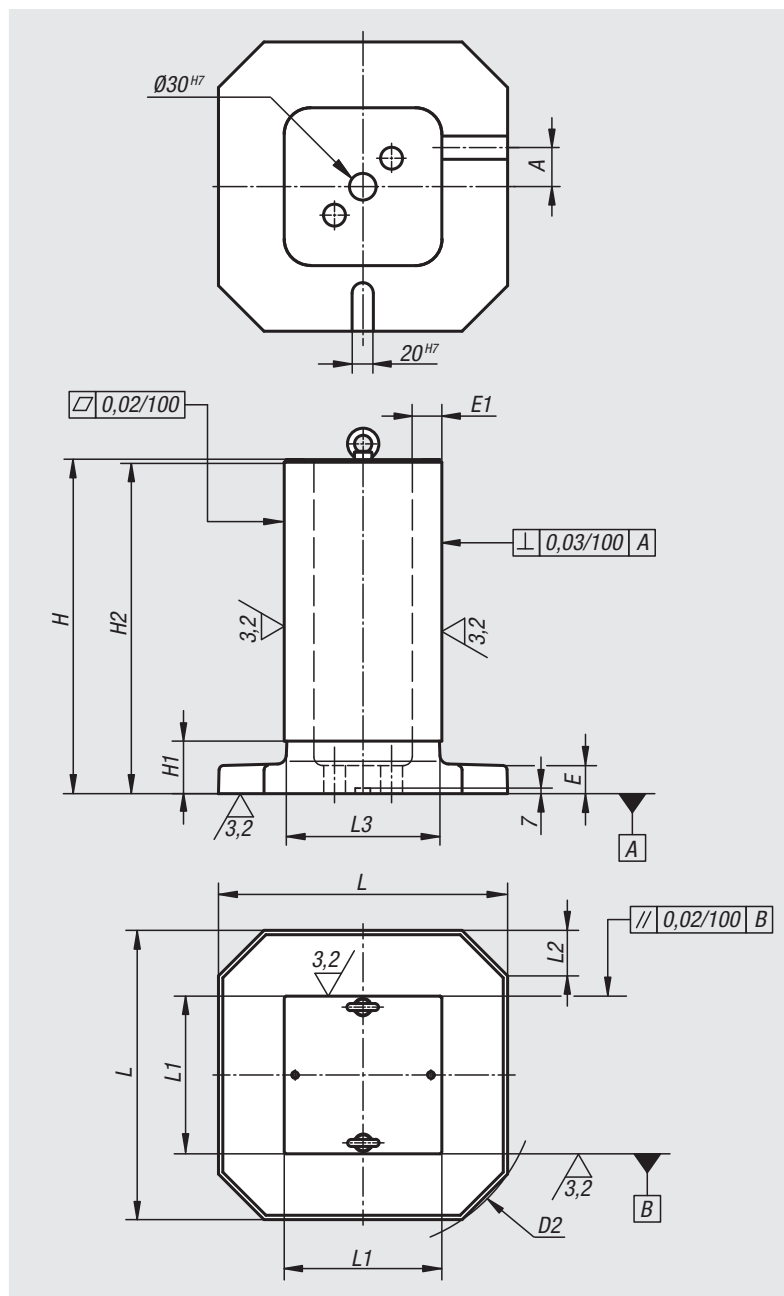
Ring bolts for lifting are supplied.

A cover prevents the cavities filling with swarf.

Drawing reference:

machined faces: +0.2 mm/ +0.5 mm

unmachined faces: ±2 mm



Order No.	A	D2	E	E1	H	H1	H2	L	L1	L2	L3
01852-320180	32,5	400	32	25	381	80	378	330	180	52	174
01852-400270	50	500	32	32	485	60	482	410	270	62	262
01852-500320	55	630	40	40	603	100	600	510	320	70	312