

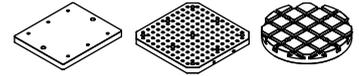
Modular Clamping Elements

2023/2024



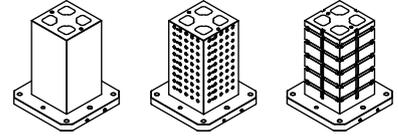
Page 06-14

Base Plates & Sub Plates



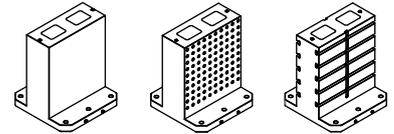
Page 15-17

Cube Tombstone



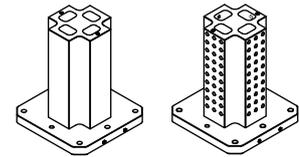
Page 18-20

Double Angle Tombstone



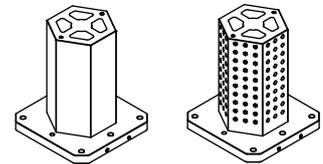
Page 21-22

Cross Tombstone



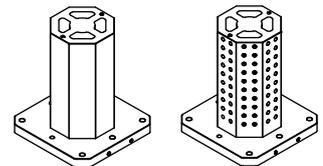
Page 23-24

Hexagonal Tombstone



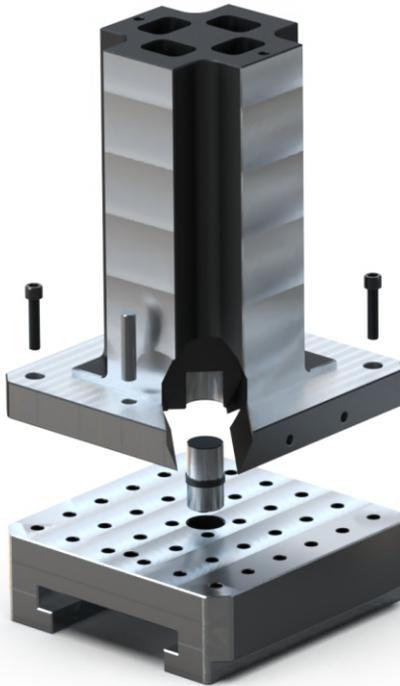
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Octagonal Tombstone



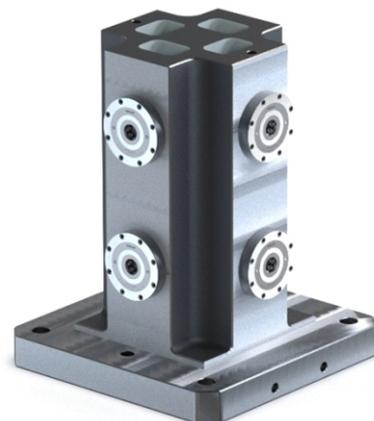
Features

- ▶ Made from Grade-300 cast iron and stress relived. Unique structure design gives high rigidity and stable performance in harsh cutting conditions.
- ▶ Mounting of all tombstones are available in different interfaces as positioning in center hole and locating in aligning hole or against stop plates using screws according to different machine tools standards.

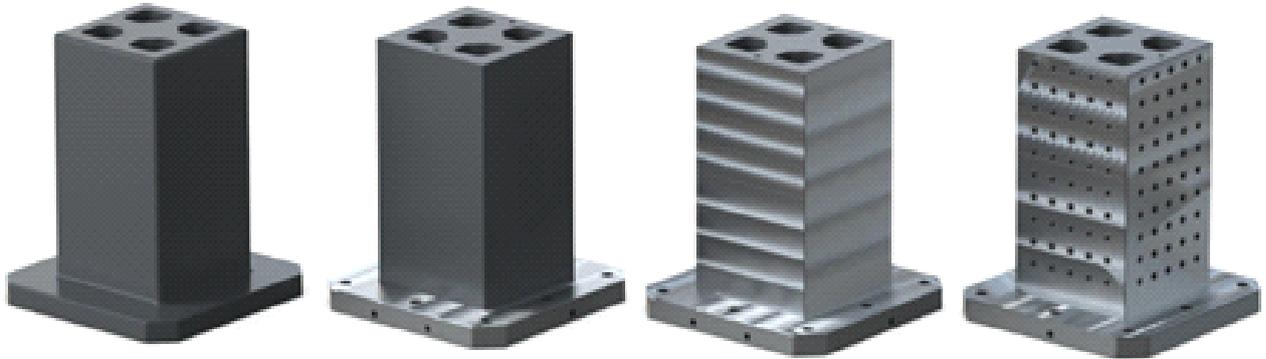


- ▶ For the highest accuracy, self cutting of upto 0.5 mm on usable face after installation on the machine will remove all errors of both machine and element.

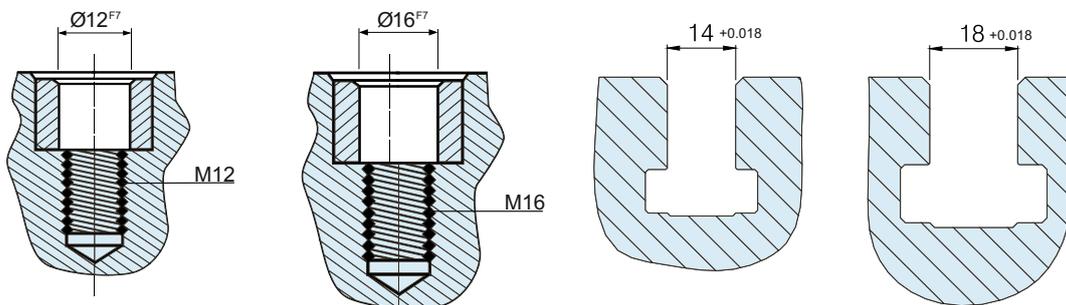
- ▶ Tombstones can be integrated with our zero point clamping elements according to machine size



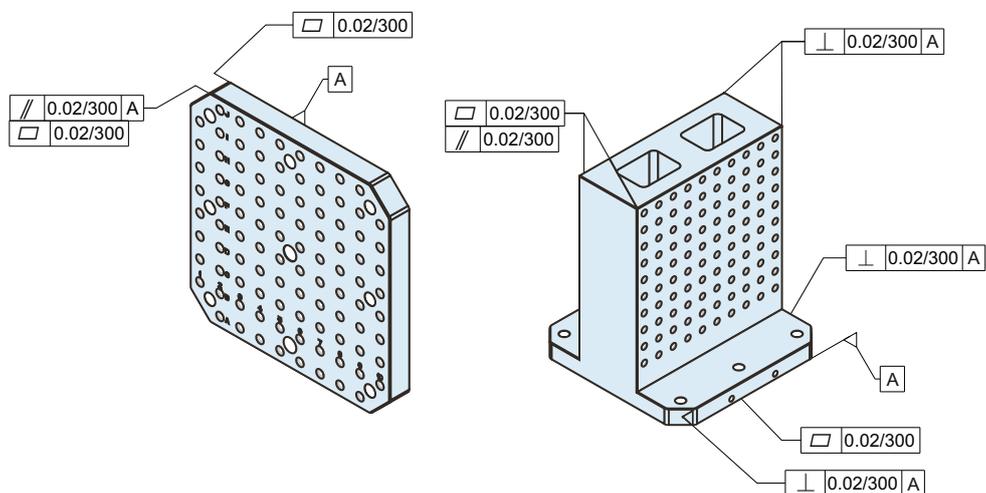
- ▶ All tombstones are available in different versions as plain casting, bottom mounting face finished, all face rough machined with finish cut allowance or complete finished as per customer requirement.



- ▶ Grid holes are consisting of hardened bushings and stainless steel helicoils serves as dual Purpose of locating and fastening at the same time. All tombstones and plates are available In $\text{Ø}12/\text{M}12$ or $\text{Ø}16/\text{M}16$ configuration. Plates and tombstones with T-slots are available in the size of 14mm & 18mm.

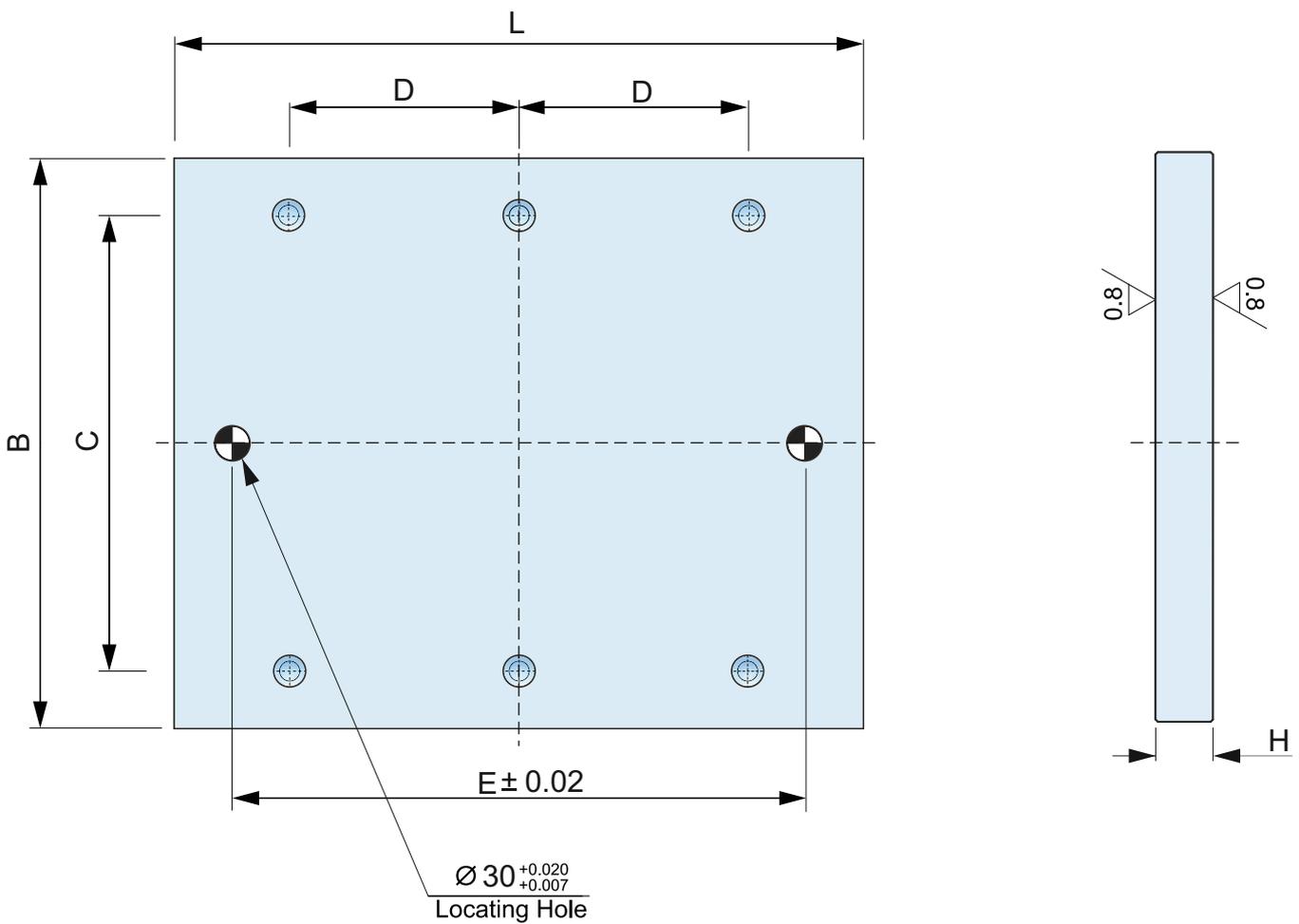
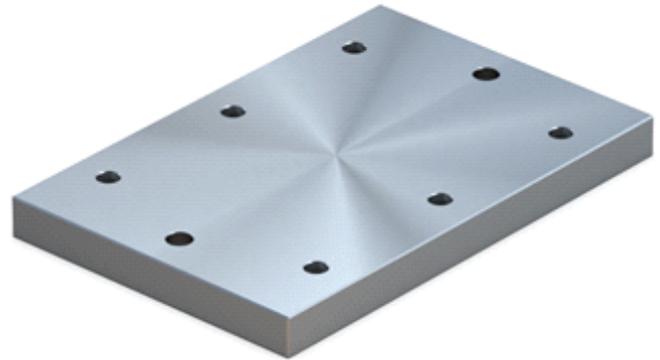


- ▶ General tolerance for plates and Tombstones



BU40110 – Baseplate with plain surface

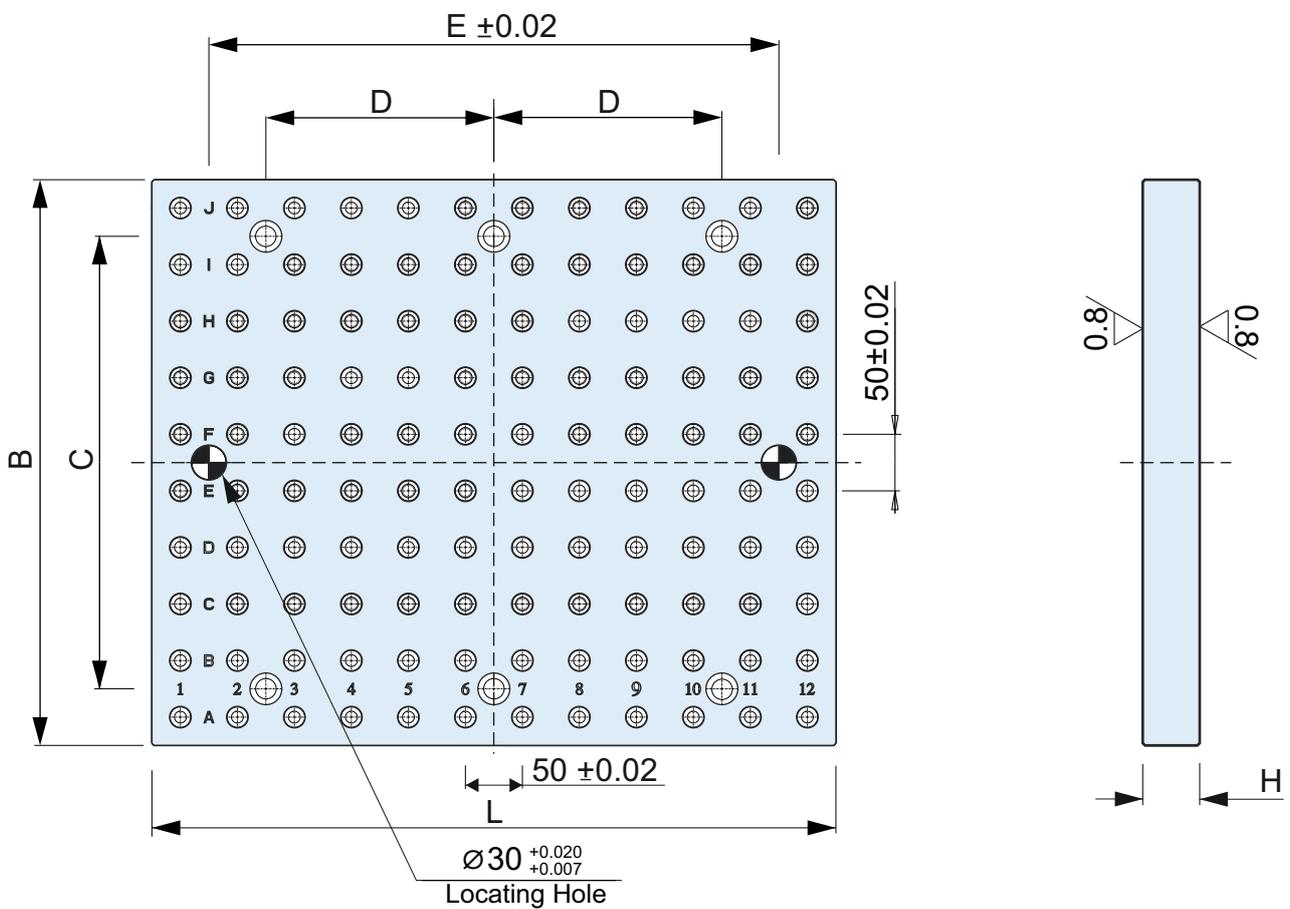
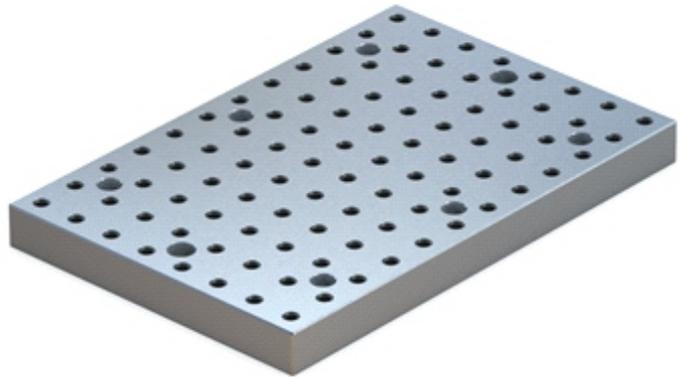
- ▶ Cast iron grade-300 / C45
- ▶ Both face ground
- ▶ Plates mounting holes as per customer requirement.
- ▶ Customized sizes and material are available
- ▶ Size upto 5000mm*2800mm on request.



Part No.	L	B	H	E
BU40110-600_400	600	400	50	500
BU40110-600_500	600	500	50	500
BU40110-600_600	600	600	50	500
BU40110-800_400	800	400	50	700
BU40110-900_450	900	450	50	800
BU40110-1000_500	1000	500	50	900
BU40110-1200_600	1200	600	50	1100

BU40120 – Baseplate with grid holes

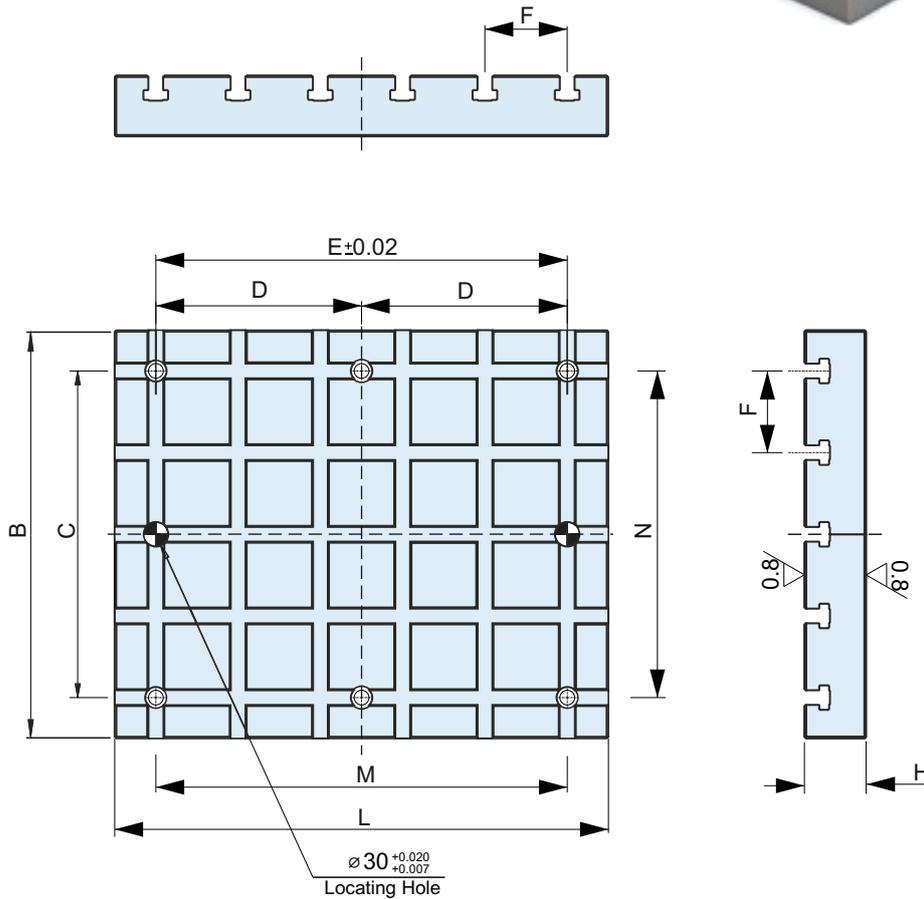
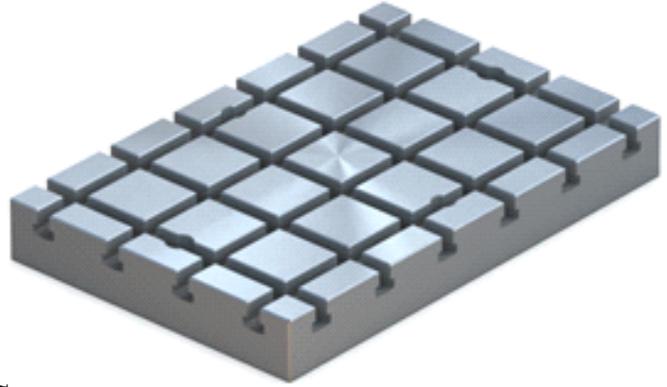
- ▶ Cast iron grade-300 / C45
- ▶ Both face ground, Plates mounting holes as per customer requirement.
- ▶ Available in Ø12 or Ø16 bushings.
- ▶ Customized sizes and material are available upto 5000mm*2800mm on request.



Part No.	L	B	H	E
BU40120-600_400	600	400	50	500
BU40120-600_500	600	500	50	500
BU40120-600_600	600	600	50	500
BU40120-800_400	800	400	50	700
BU40120-900_450	900	450	50	800
BU40120-1000_500	1000	500	50	900
BU40120-1200_600	1200	600	50	1100

BU40130 – Baseplate with T-slots

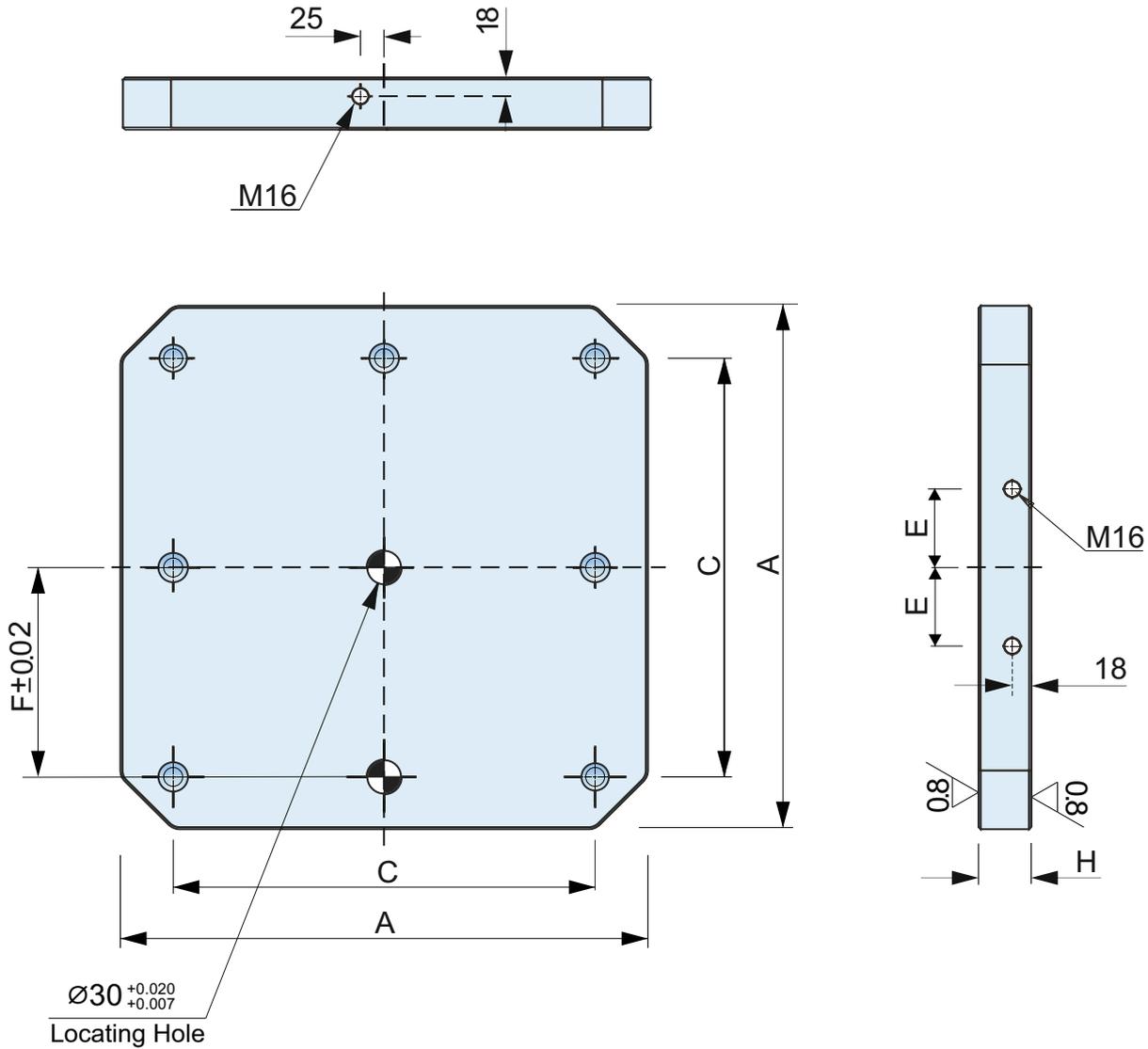
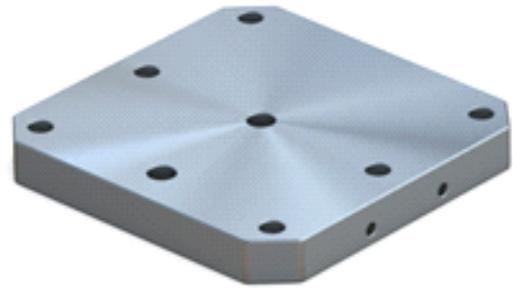
- ▶ Cast iron grade-300 / C45
- ▶ Both face ground, Plates mounting holes as per customer requirement.
- ▶ Available in 14mm or 18mm T-slot size.
- ▶ Customized sizes and material are available upto 5000mm*2800mm on request.



Part No.	L	B	E	F	H	M	N
BU40130-600_400_60_14	600	400	500	100	60	500	300
BU40130-600_500_60_14	600	500	500	100	60	500	400
BU40130-600_600_60_14	600	600	500	100	60	500	500
BU40130-800_400_60_14	800	400	700	100	60	700	300
BU40130-900_450_60_14	900	450	800	100	60	800	300
BU40130-1000_500_60_14	1000	500	900	100	60	900	400
BU40130-1200_600_60_14	1200	600	1100	100	60	1100	500
BU40130-600_400_75_18	600	400	500	100	75	500	300
BU40130-600_500_75_18	600	500	500	100	75	500	400
BU40130-600_600_75_18	600	600	500	100	75	500	500
BU40130-800_400_75_18	800	400	700	100	75	700	300
BU40130-900_450_75_18	900	450	800	100	75	800	300
BU40130-1000_500_75_18	1000	500	900	100	75	900	400
BU40130-1200_600_75_18	1200	600	1000	100	75	1100	500

BU40140 – Subplate with plain surface

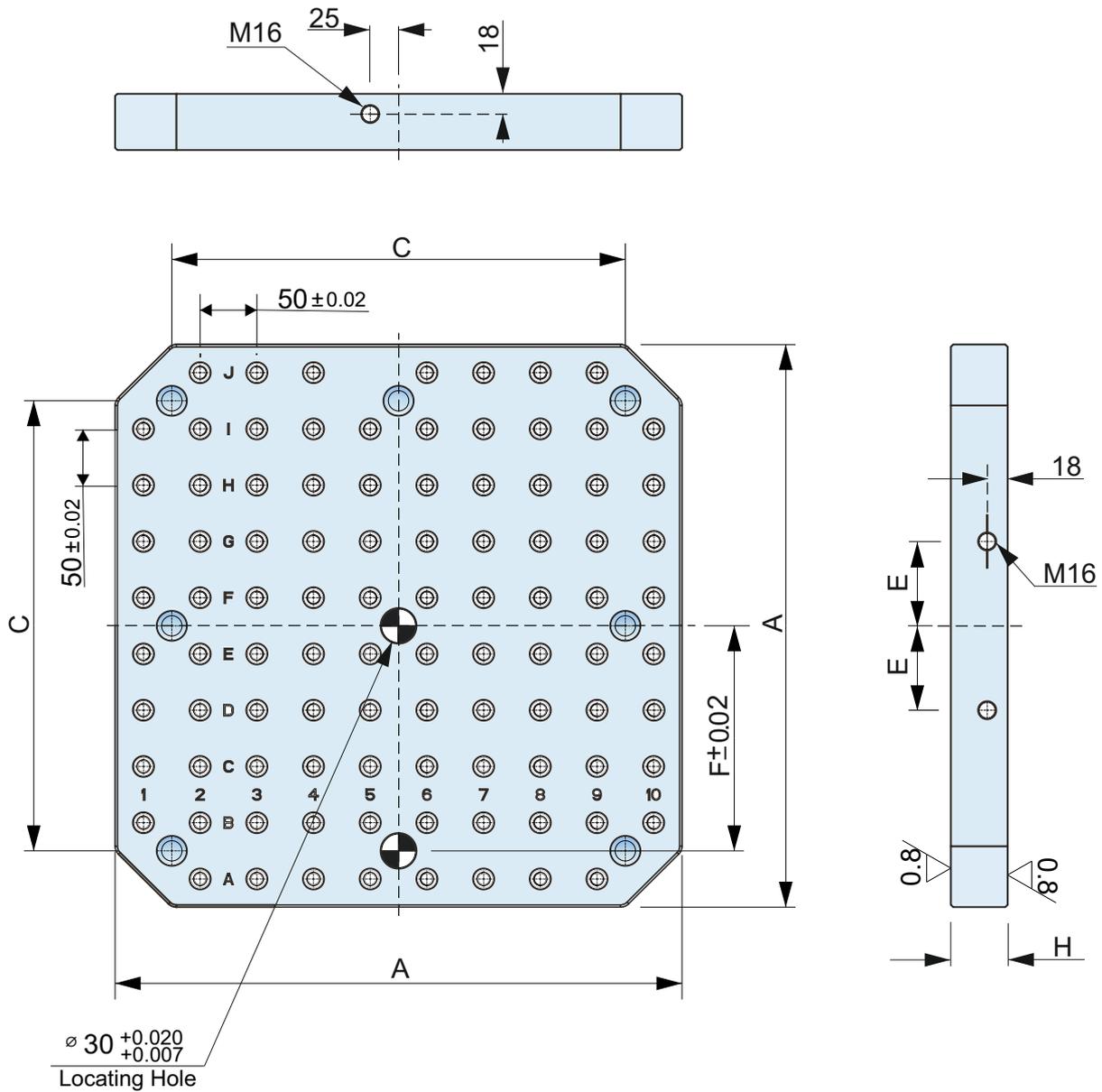
- ▶ Cast iron grade-300 / C45
- ▶ Both face ground, Plates mounting holes as per customer requirement.



Part No.	A	H	E	F
BU40140-400_400	400	50	55	150
BU40140-500_500	500	50	75	200
BU40140-630_630	630	50	100	200
BU40140-800_800	800	50	135	300

BU40150 – Subplate with grid holes

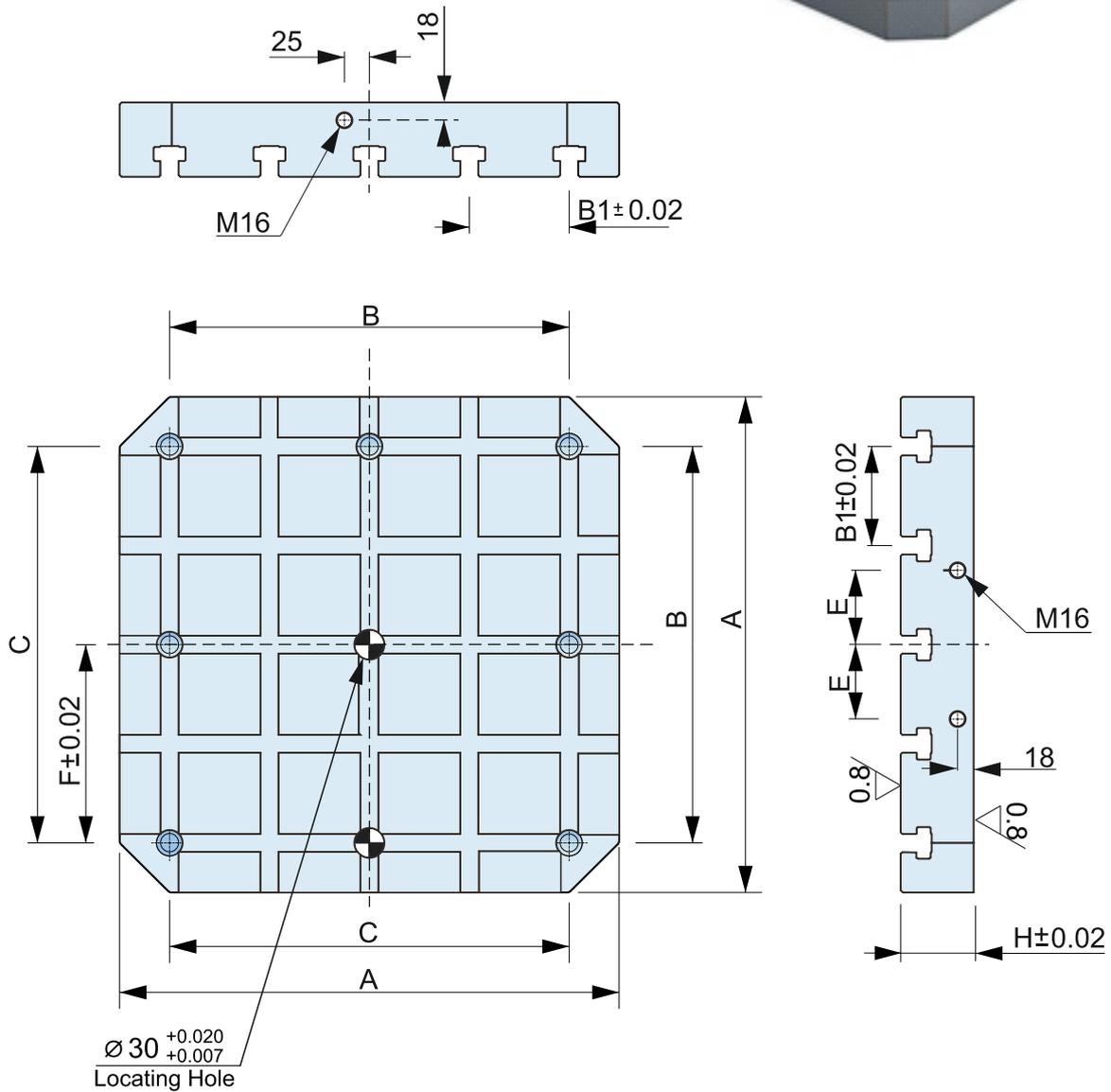
- ▶ Cast iron grade-300 / C45
- ▶ Both face ground, Plates mounting holes as per customer requirement.
- ▶ Available in Ø12 or Ø16 bushings.



Part No.	A	H	E	F
BU40150-400_400	400	50	55	150
BU40150-500_500	500	50	75	200
BU40150-630_630	630	50	100	200
BU40150-800_800	800	135	135	300

BU40160 – Subplate with T-slots

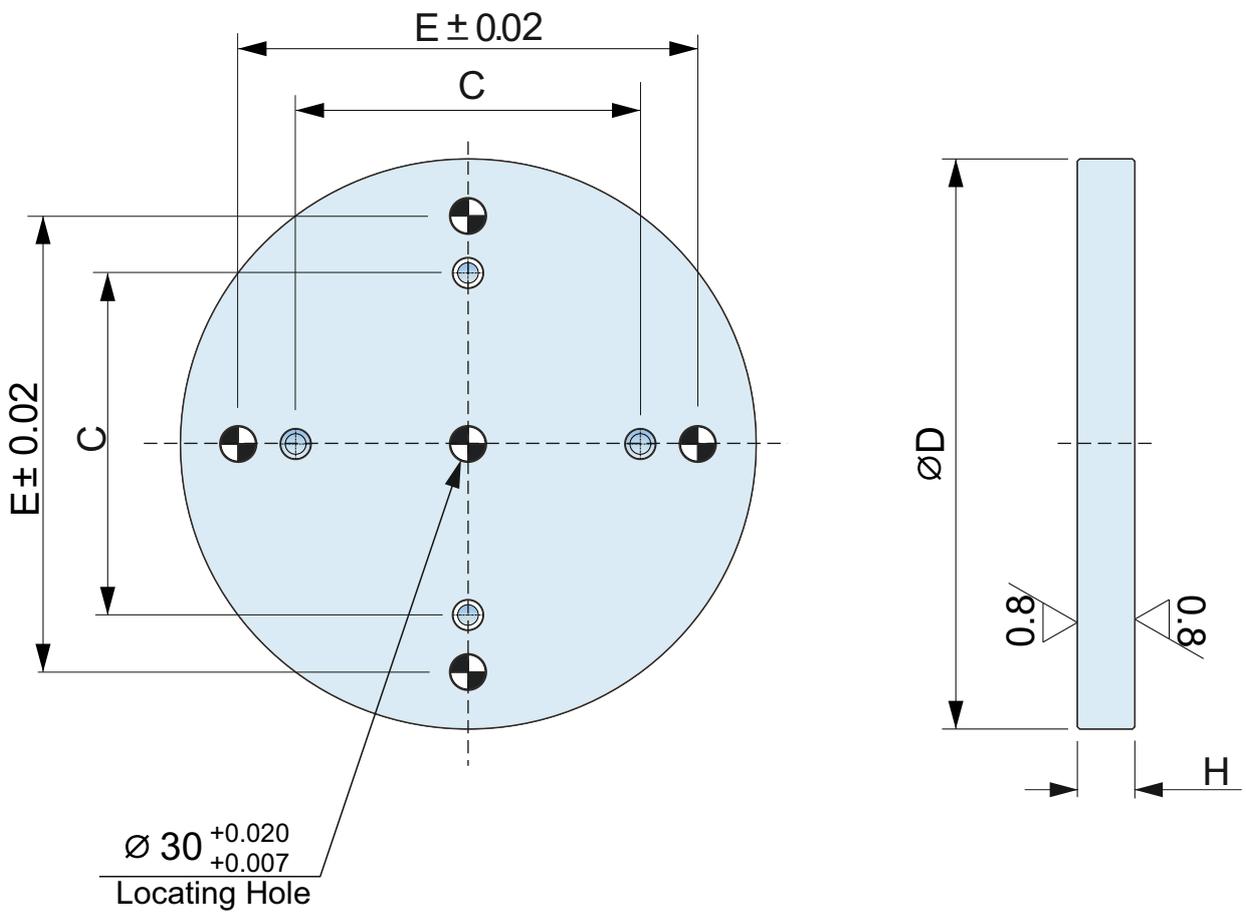
- ▶ Cast iron grade-300 / C45
- ▶ Both face ground, Plates mounting holes as per customer requirement.
- ▶ Available in 14mm or 18mm T-slot size.



Part No.	A	B	B1	E	F	H
BU40160-400_400_60_14	400	320	80	55	150	60
BU40160-500_500_60_14	500	400	100	75	200	60
BU40160-630_630_60_14	630	500	125	100	200	60
BU40160-800_800_60_14	800	640	160	135	300	60
BU40160-400_400_75_18	400	320	80	55	150	75
BU40160-500_500_75_18	500	400	100	75	200	75
BU40160-630_630_75_18	630	500	125	100	200	75
BU40160-800_800_75_18	800	640	160	135	300	75

BU40170 – Round plate with plain surface

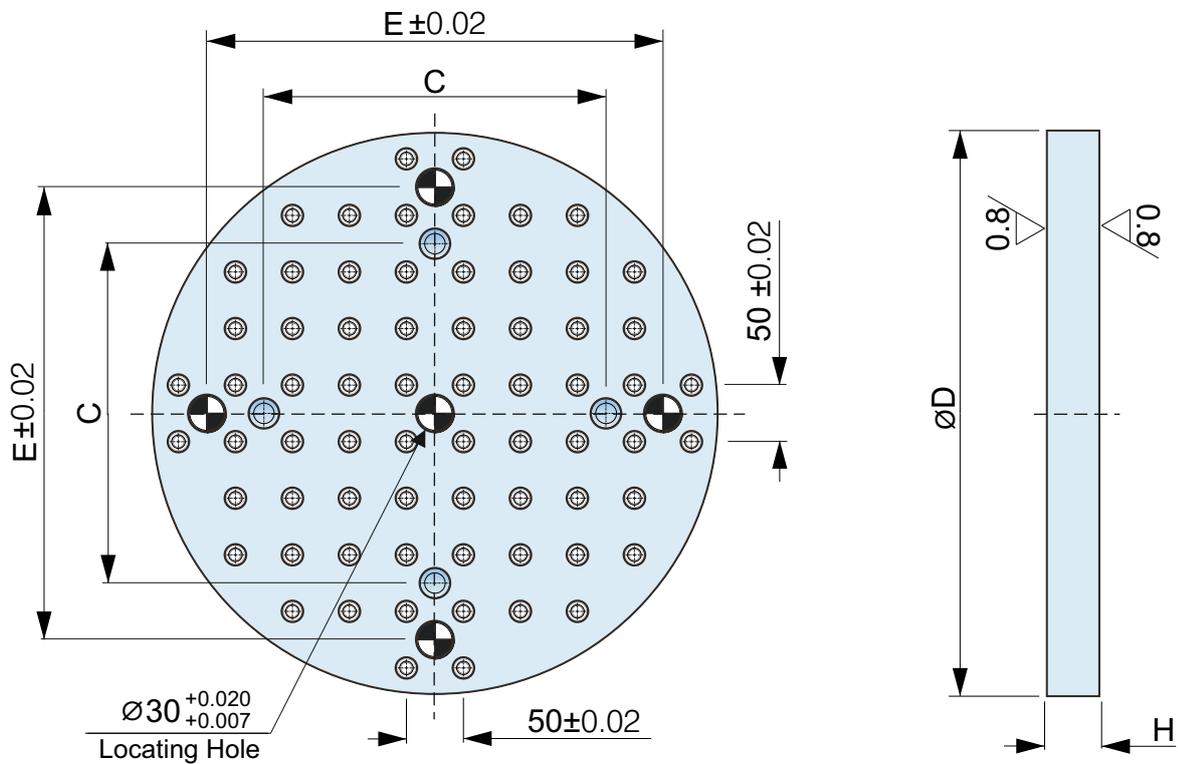
- ▶ Cast iron grade-300 / C45
- ▶ Both face ground, Plates mounting holes as per customer requirement.
- ▶ Customized sizes and material are available upto Ø2500mm on request



Part No.	ØD	E	H
BU40170-300_300	300	220	50
BU40170-400_400	400	320	50
BU40170-500_500	500	400	50
BU40170-600_600	600	500	50

BU40180- Round plate with grid holes

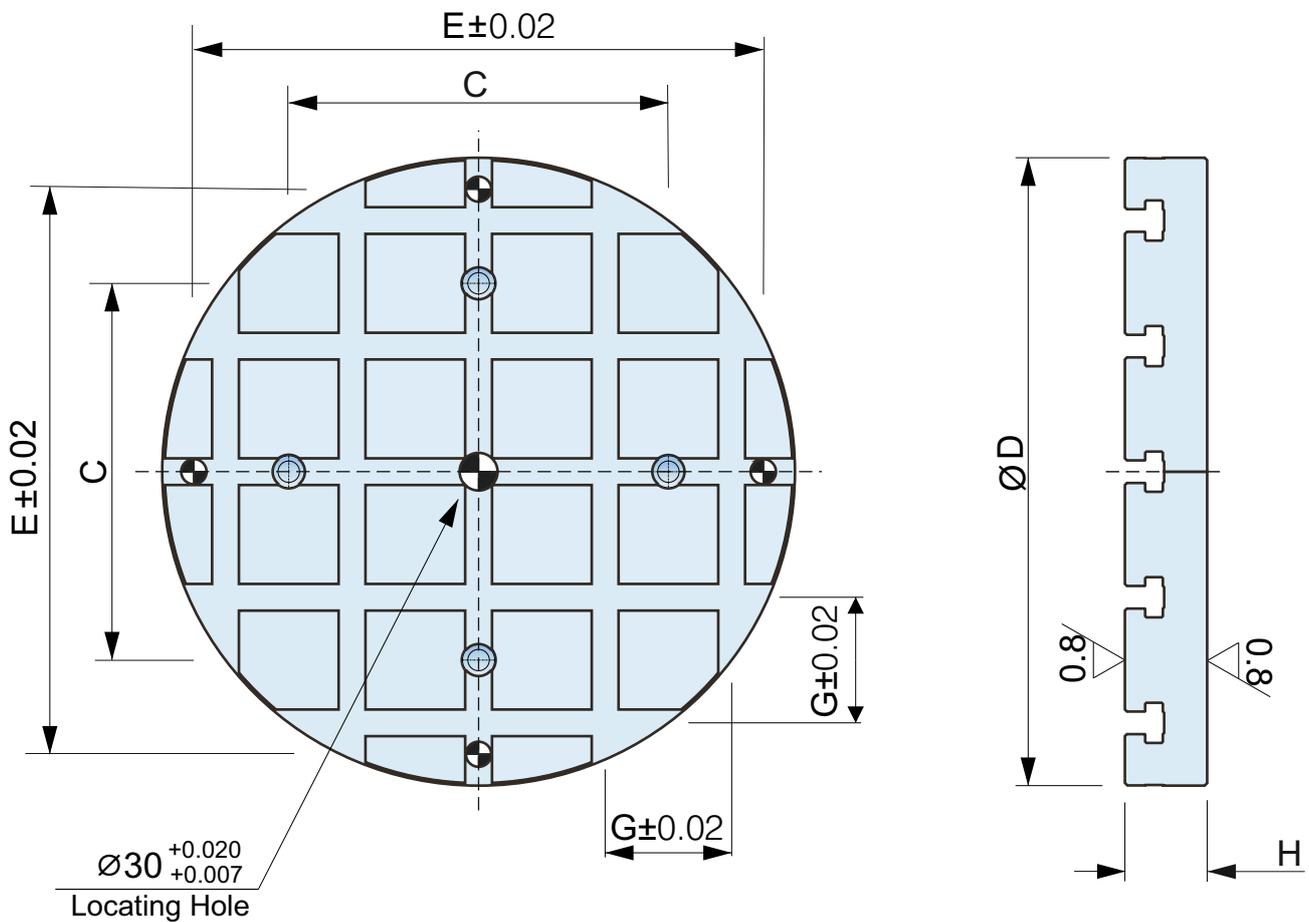
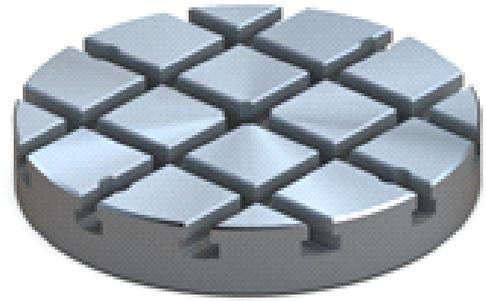
- ▶ Cast iron grade-300 / C45
- ▶ Both face ground, Plates mounting holes as per customer requirement.
- ▶ Available in Ø12 or Ø16 bushings.
- ▶ Customized sizes and material are available upto Ø2500 on request.



Part No.	$\varnothing D$	E	H
BU40180-300_300	300	220	50
BU40180-400_400	400	320	50
BU40180-500_500	500	400	50
BU40180-600_600	600	500	50

BU40190- Round plate with T-slots

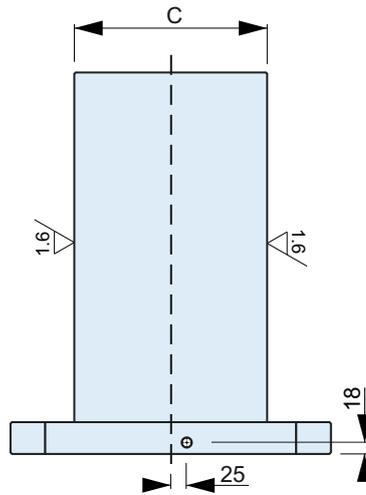
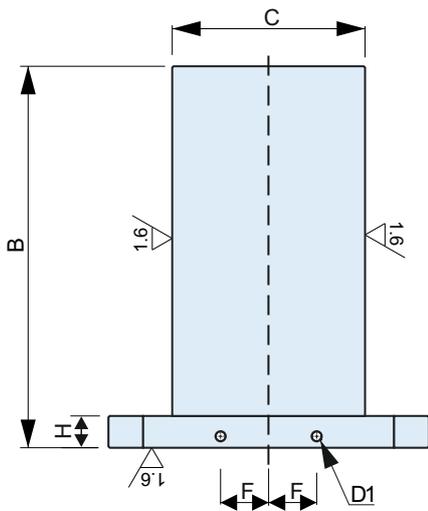
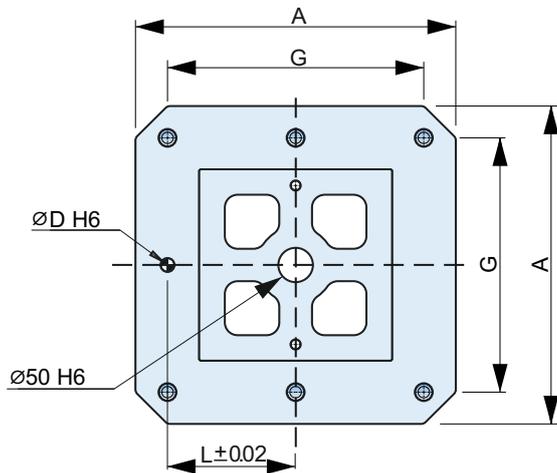
- ▶ Cast iron grade-300 / C45
- ▶ Both face ground, Plates mounting holes as per customer requirement.
- ▶ Available in 14mm or 18mm T-slot size.
- ▶ Customized sizes and material are available upto Ø2500 on request.



Part No.	ØD	E	G	H
BU40190-300_300_14	300	250	75	50
BU40190-400_400_14	400	350	75	50
BU40190-500_500_18	500	450	100	65
BU40190-600_600_18	600	550	100	65

BU41110- Cube Tombstone with plain surface

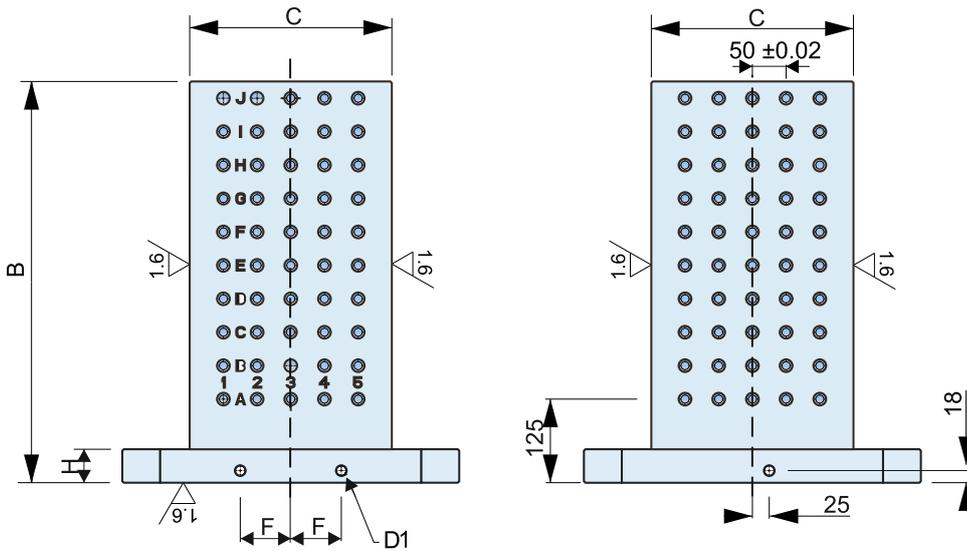
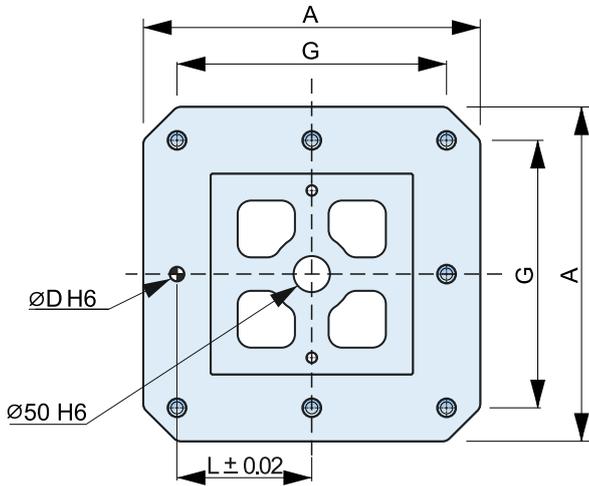
- ▶ Cast iron grade-300
- ▶ Suitable for pallets according to different standards.
- ▶ Customized sizes and material are available on request.



Part No.	A	B	C	D	D1	F	G	H	L
BU41110_300_300_500	300	500	151	20	M12	40	250	50	100
BU41110_400_400_500	400	500	251	20	M16	55	320	50	150
BU41110_400_400_650	400	650	251	20	M16	55	320	50	150
BU41110_500_500_600	500	600	301	20	M16	75	400	50	200
BU41110_500_500_750	500	750	301	20	M16	75	400	50	200
BU41110_630_630_700	630	700	351	25	M16	100	500	50	200
BU41110_630_630_850	630	850	351	25	M16	100	500	50	200
BU41110_800_800_800	800	800	501	25	M16	135	640	50	300
BU41110_800_800_1000	800	1000	501	25	M16	135	640	50	300
BU41110_1000_1000_1000	1000	1000	601	25	M16	165	800	55	400
BU41110_1000_1000_1250	1000	1250	601	25	M16	165	800	55	400

BU41120- Cube Tombstone with grid hole

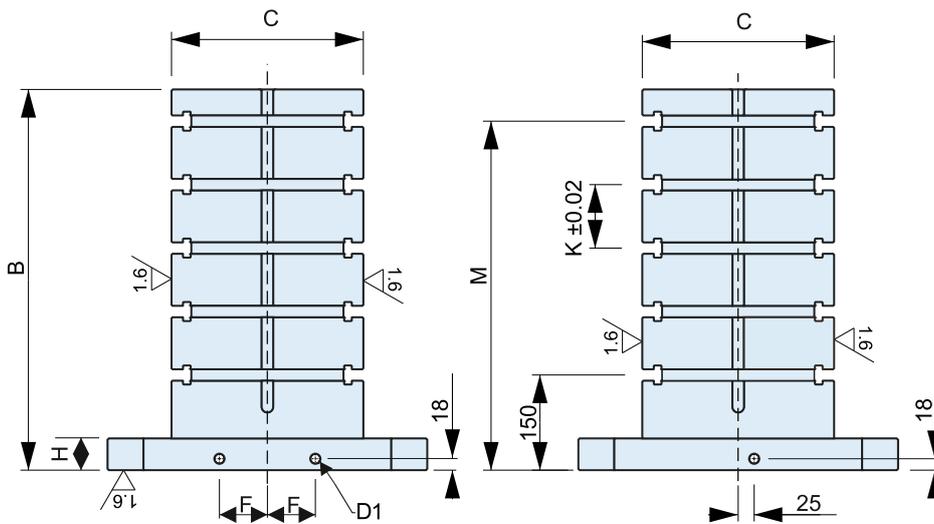
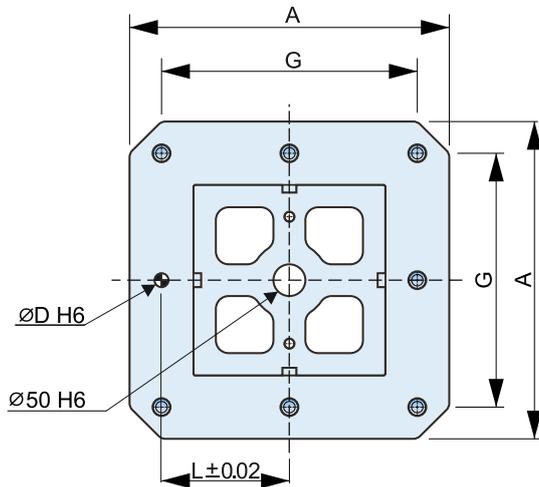
- ▶ Cast iron grade-300
- ▶ Suitable for pallets according to different standards.
- ▶ Available in Ø12 or Ø16 bushings.
- ▶ Customized sizes and material are available on request.



Part No.	A	B	C	D	D1	F	G	H	L
BU41120_300_300_500	300	500	150	20	M12	40	250	50	100
BU41120_400_400_500	400	500	250	20	M16	55	320	50	150
BU41120_400_400_650	400	650	250	20	M16	55	320	50	150
BU41120_500_500_600	500	600	300	20	M16	75	400	50	200
BU41120_500_500_750	500	750	300	20	M16	75	400	50	200
BU41120_630_630_700	630	700	350	25	M16	100	500	50	200
BU41120_630_630_850	630	850	350	25	M16	100	500	50	200
BU41120_800_800_800	800	800	500	25	M16	135	640	50	300
BU41120_800_800_1000	800	1000	500	25	M16	135	640	50	300
BU41120_1000_1000_1000	1000	1000	600	25	M16	165	800	55	400
BU41120_1000_1000_1250	1000	1250	600	25	M16	165	800	55	400

BU41130 –Cube tombstone with T-slots

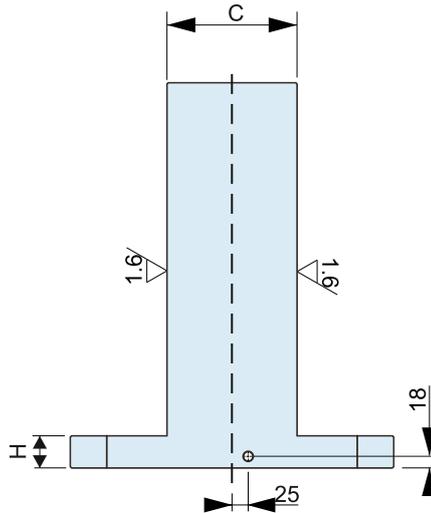
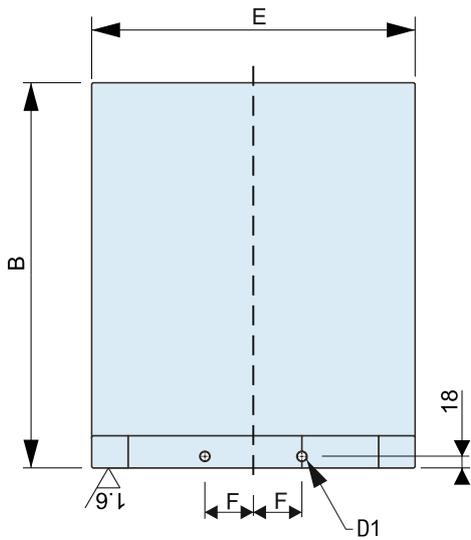
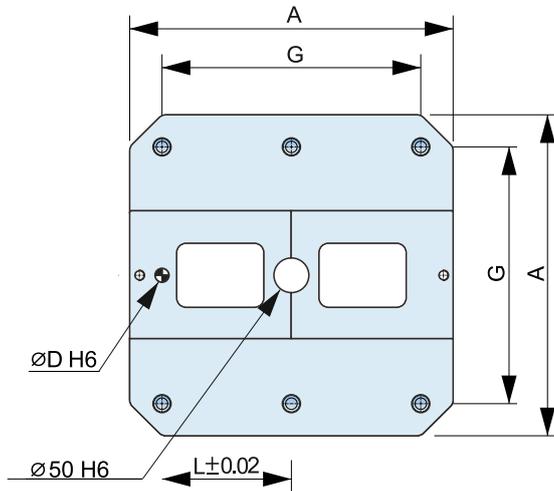
- ▶ Cast iron grade-300
- ▶ Suitable for pallets according to different standards.
- ▶ Available in 14mm or 18mm T-slot size.
- ▶ Customized sizes and material are available on request.



Part No.	A	B	C	D	D1	F	G	H	L	M	K
BU41130_400_400_500	400	500	250	20	M16	55	320	50	150	450	100
BU41130_400_400_650	400	650		20	M16	55	320	50	150	550	100
BU41130_500_500_600	500	600	300	20	M16	75	400	50	200	550	100
BU41130_500_500_750	500	750		20	M16	75	400	50	200	650	100
BU41130_630_630_700	630	700	350	25	M16	100	500	50	200	650	125
BU41130_630_630_850	630	850		25	M16	100	500	50	200	775	125
BU41130_800_800_800	800	800	500	25	M16	135	640	50	300	750	150
BU41130_800_800_1000	800	1000		25	M16	135	640	50	300	900	150
BU41130_1000_1000_1000	1000	1000	600	25	M16	165	800	55	400	950	160
BU41130_1000_1000_1250	1000	1250		25	M16	165	800	55	400	1110	160

BU41140- Double Angle Tombstone with Plain Surface

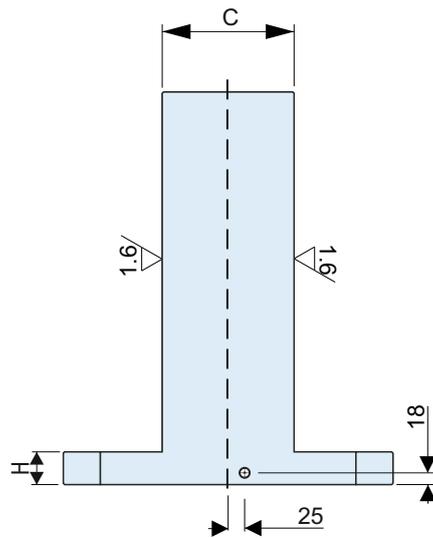
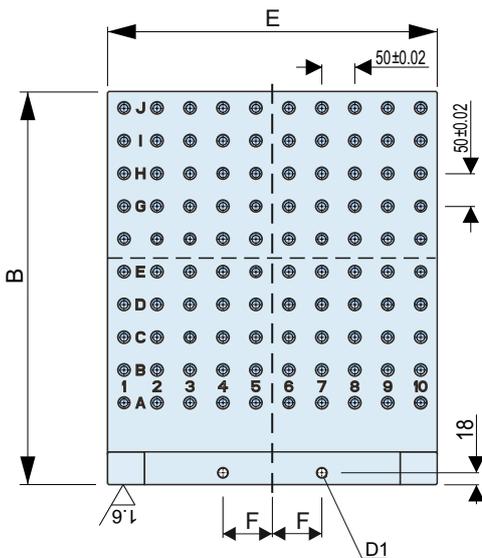
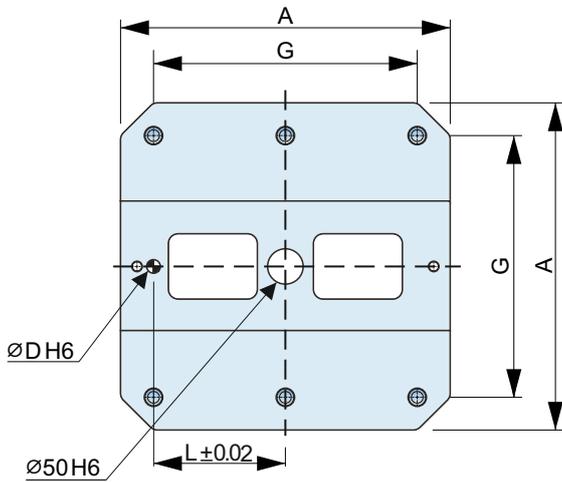
- ▶ Cast iron grade-300
- ▶ Suitable for pallets according to different standards.
- ▶ Customized sizes and material are available on request.



Part No.	A	B	C	D	D1	E	F	G	H	L
BU41140_300_300_500	300	500	81	20	M12	300	40	250	50	100
BU41140_400_400_500	400	500	151	20	M16	400	55	320	50	150
BU41140_400_400_650	400	650	151	20	M16	400	55	320	50	150
BU41140_500_500_600	500	600	201	20	M16	500	75	400	50	200
BU41140_500_500_750	500	750	201	20	M16	500	75	400	50	200
BU41140_630_630_700	630	700	251	25	M16	630	100	500	50	200
BU41140_630_630_850	630	850	251	25	M16	630	100	500	50	200
BU41140_800_800_800	800	800	301	25	M16	800	135	640	50	300
BU41140_800_800_1000	800	1000	301	25	M16	800	135	640	50	300
BU41140_1000_1000_1000	1000	1000	351	25	M16	1000	165	800	55	400
BU41140_1000_1000_1250	1000	1250	351	25	M16	1000	165	800	55	400

BU41150- Double Angle Tombstone With grid hole

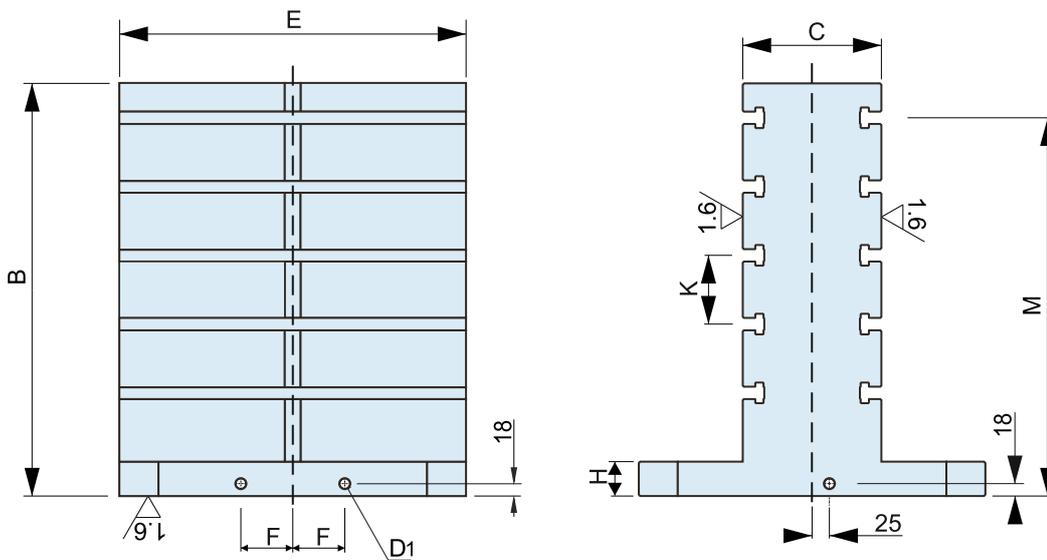
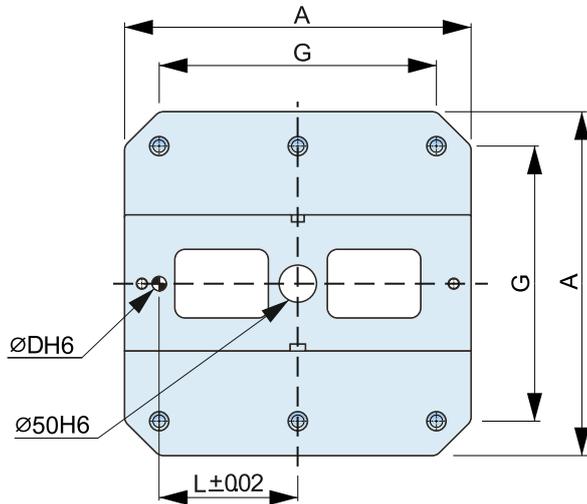
- ▶ Cast iron grade-300
- ▶ Suitable for pallets according to different standards.
- ▶ Available in Ø12 or Ø16 bushings.
- ▶ Customized sizes and material are available on request.



Part No.	A	B	C	D	D1	E	F	G	H	L
BU41150_300_300_500	300	500	80	20	M12	300	40	250	50	100
BU41150_400_400_500	400	500	150	20	M16	400	55	320	50	150
BU41150_400_400_650	400	650	150	20	M16	400	55	320	50	150
BU41150_500_500_600	500	600	200	20	M16	500	75	400	50	200
BU41150_500_500_750	500	750	200	20	M16	500	75	400	50	200
BU41150_630_630_700	630	700	250	25	M16	630	100	500	50	200
BU41150_630_630_850	630	850	250	25	M16	630	100	500	50	200
BU41150_800_800_800	800	800	300	25	M16	800	135	640	50	300
BU41150_800_800_1000	800	1000	300	25	M16	800	135	640	50	300
BU41150_1000_1000_1000	1000	1000	350	25	M16	1000	165	800	55	400
BU41150_1000_1000_1250	1000	1250	350	25	M16	1000	165	800	55	400

BU41160- Double Angle Tombstone with T-slots

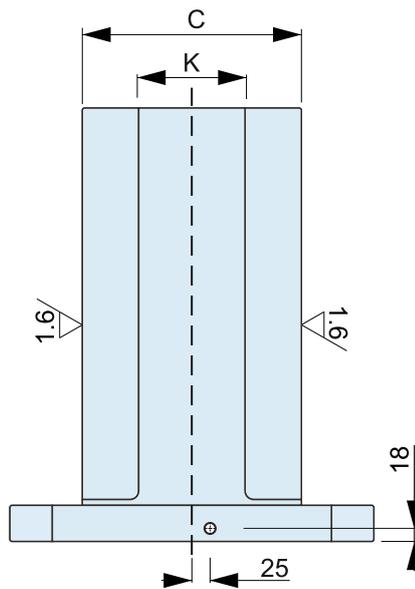
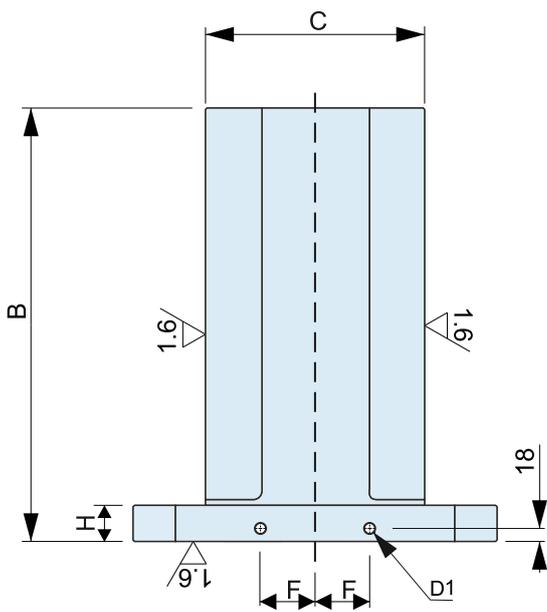
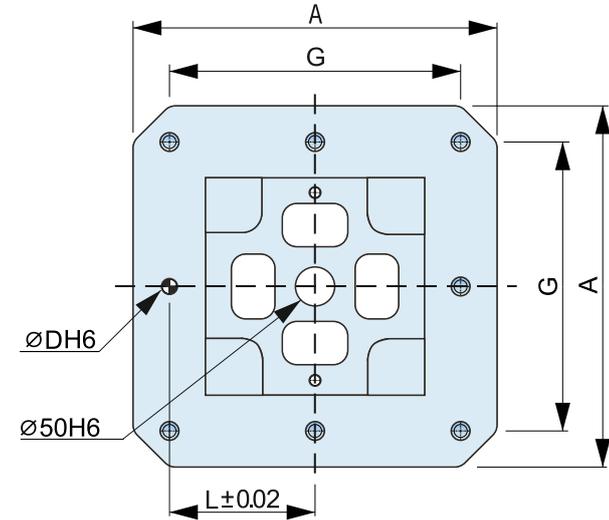
- ▶ Cast iron grade-300
- ▶ Suitable for pallets according to different standards.
- ▶ Available in 14mm or 18mm T-slot size.
- ▶ Customized sizes and material are available on request.



Part No.	A	B	C	D	D1	F	G	H	L	M	K
BU41160_400_400_500	400	500	150	20	M16	55	320	50	150	450	100
BU41160_400_400_650	400	650	150	20	M16	55	320	50	150	550	100
BU41160_500_500_600	500	600	200	20	M16	75	400	50	200	550	100
BU41160_500_500_750	500	750	200	20	M16	75	400	50	200	650	100
BU41160_630_630_700	630	700	250	25	M16	100	500	50	200	650	125
BU41160_630_630_850	630	850	250	25	M16	100	500	50	200	775	125
BU41160_800_800_800	800	800	300	25	M16	135	640	50	300	750	150
BU41160_800_800_1000	800	1000	300	25	M16	135	640	50	300	900	150
BU41160_1000_1000_1000	1000	1000	350	25	M16	165	800	55	400	950	160
BU41160_1000_1000_1250	1000	1250	350	25	M16	165	800	55	400	1110	160

BU41170- Cross Tombstone with Plain Surface

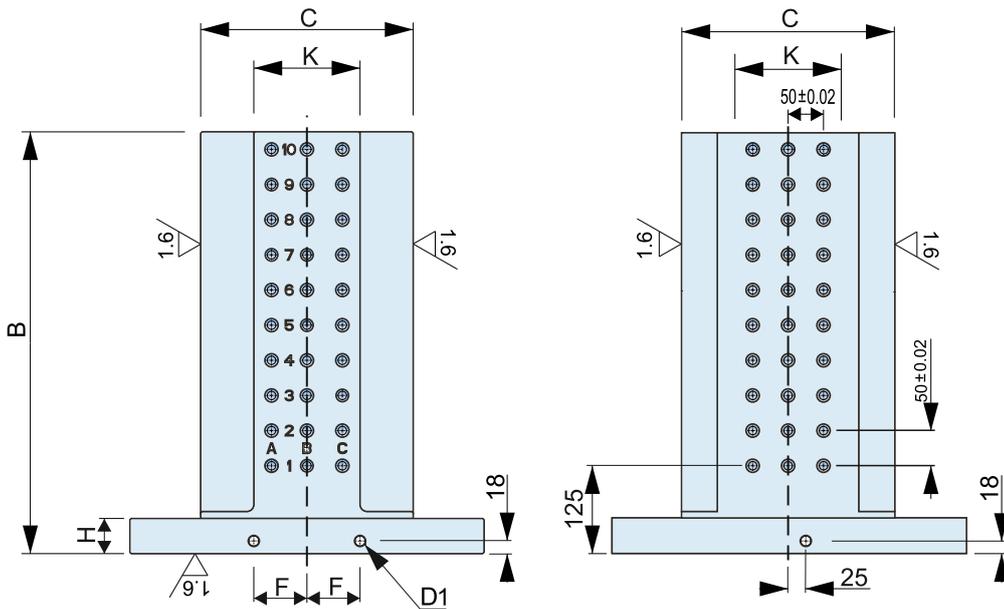
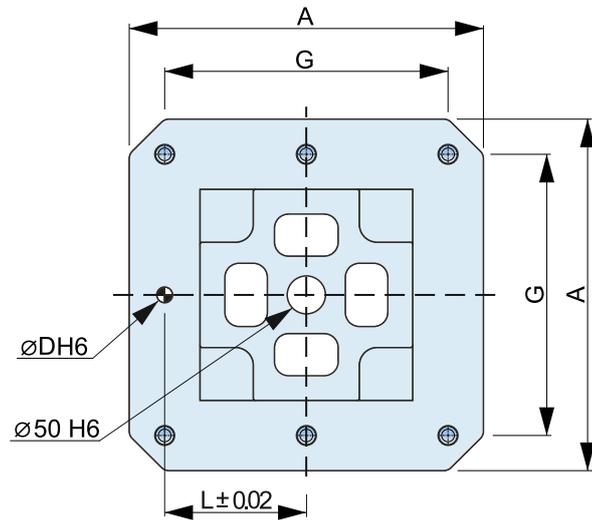
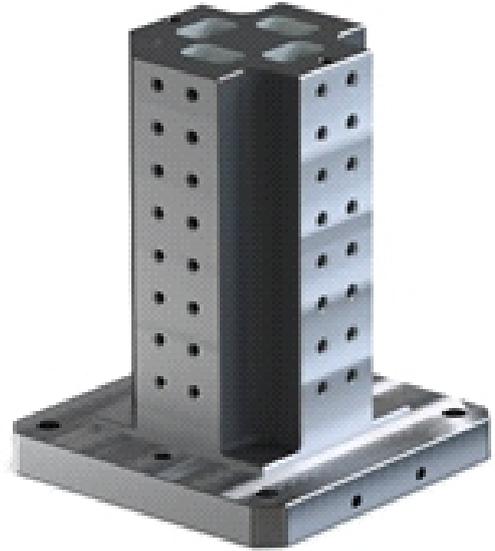
- ▶ Cast iron grade-300
- ▶ Suitable for pallets according to different standards.
- ▶ Customized sizes and material are available on request.



Part No.	A	B	C	D	D1	F	G	H	K	L
BU41170_400_400_500	400	500	251	20	M16	55	320	50	125	150
BU41170_400_400_650	400	650	251	20	M16	55	320	50	125	150
BU41170_500_500_600	500	600	301	20	M16	75	400	50	150	200
BU41170_500_500_750	500	750	301	20	M16	75	400	50	150	200
BU41170_630_630_700	630	700	351	25	M16	100	500	50	200	200
BU41170_630_630_850	630	850	351	25	M16	100	500	50	200	200
BU41170_800_800_800	800	800	501	25	M16	135	640	50	300	300
BU41170_800_800_1000	800	1000	501	25	M16	135	640	50	300	300

BU41180- Cross Tombstone With grid hole

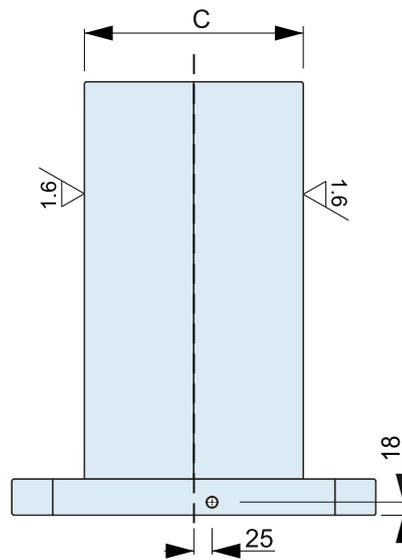
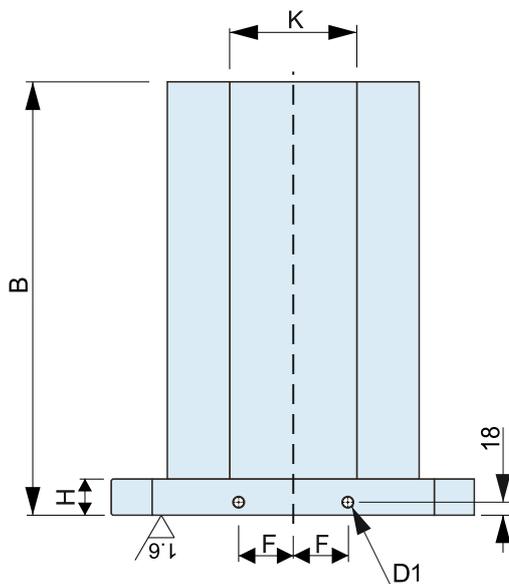
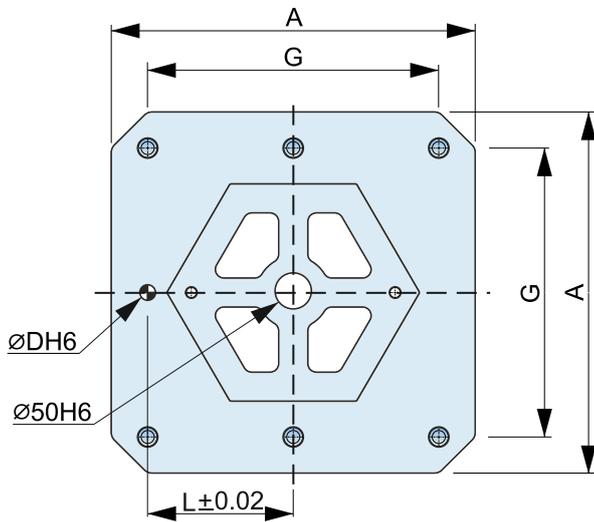
- ▶ Cast iron grade-300
- ▶ Suitable for pallets according to different standards.
- ▶ Available in Ø12 or Ø16 bushings.
- ▶ Customized sizes and material are available on request.



Part No.	A	B	C	D	D1	F	G	H	K	L
BU41180_400_400_500	400	500	250	20	M16	55	320	50	125	150
BU41180_400_400_650	400	650	250	20	M16	55	320	50	125	150
BU41180_500_500_600	500	600	300	20	M16	75	400	50	150	200
BU41180_500_500_750	500	750	300	20	M16	75	400	50	150	200
BU41180_630_630_700	630	700	350	25	M16	100	500	50	200	200
BU41180_630_630_850	630	850	350	25	M16	100	500	50	200	200
BU41180_800_800_800	800	800	500	25	M16	135	640	50	300	300
BU41180_800_800_1000	800	1000	500	25	M16	135	640	50	300	300

BU41190- Hexagonal Tombstone with Plain Surface

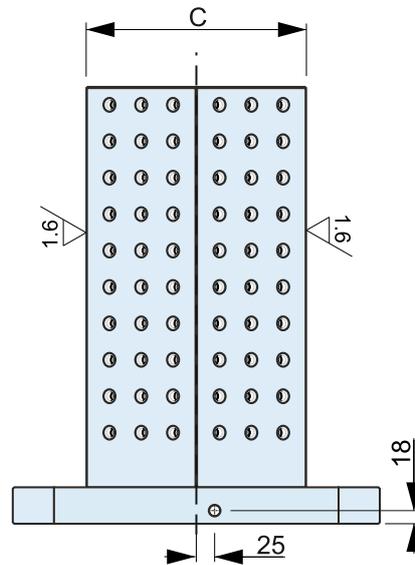
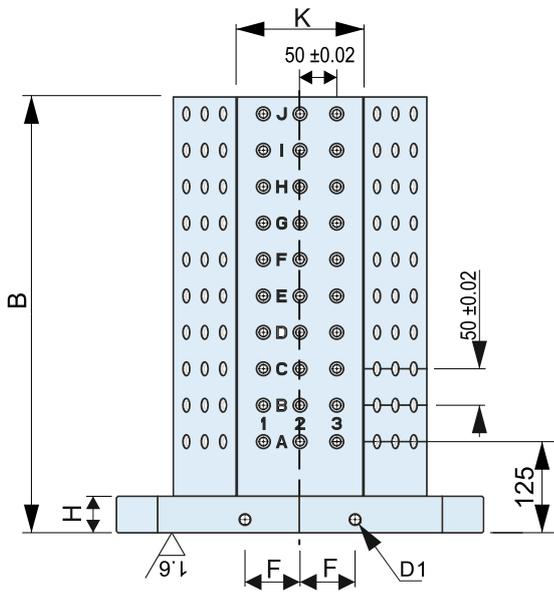
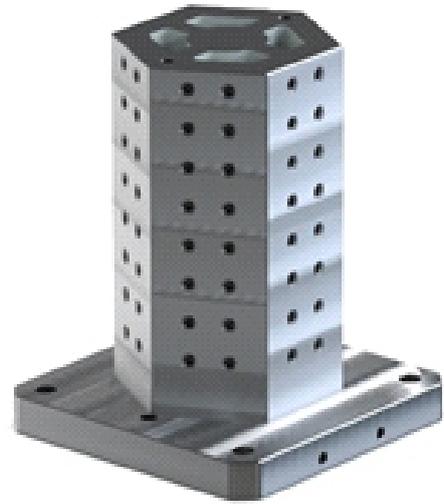
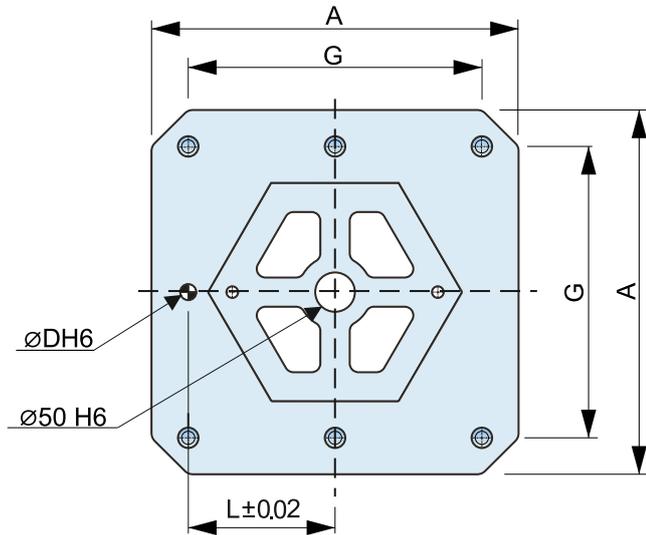
- ▶ Cast iron grade-300
- ▶ Suitable for pallets according to different standards.
- ▶ Customized sizes and material are available on request.



Part No.	A	B	C	D	D1	F	G	H	K	L
BU41190_400_400_500	400	500	251	20	M16	55	320	50	144	150
BU41190_400_400_650	400	650	251	20	M16	55	320	50	144	150
BU41190_500_500_600	500	600	301	20	M16	75	400	50	173	200
BU41190_500_500_750	500	750	301	20	M16	75	400	50	173	200
BU41190_630_630_700	630	700	351	25	M16	100	500	50	202	200
BU41190_630_630_850	630	850	351	25	M16	100	500	50	202	200
BU41190_800_800_800	800	800	501	25	M16	135	640	50	289	300
BU41190_800_800_1000	800	1000	501	25	M16	135	640	50	289	300

BU41200- Hexagonal Tombstone with grid hole

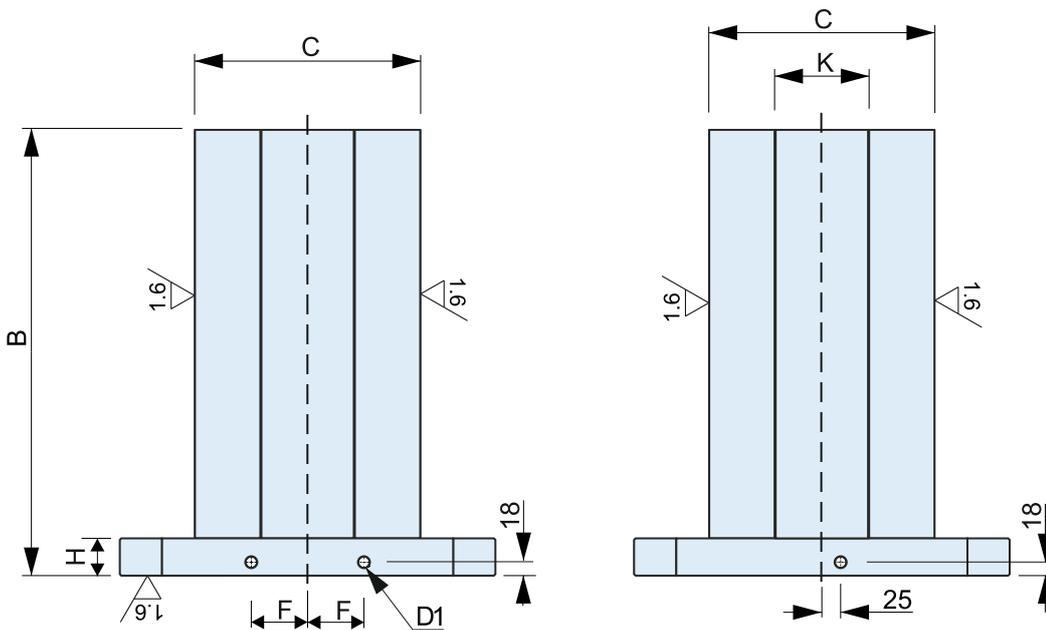
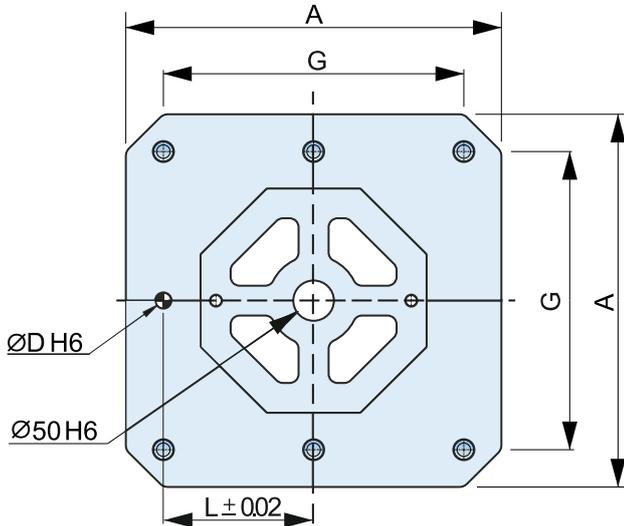
- ▶ Cast iron grade-300
- ▶ Suitable for pallets according to different standards.
- ▶ Available in Ø12 or Ø16 bushings.
- ▶ Customized sizes and material are available on request.



Part No.	A	B	C	D	D1	F	G	H	K	L
BU41200_400_400_500	400	500	250	20	M16	55	320	50	144	150
BU41200_400_400_650	400	650	250	20	M16	55	320	50	144	150
BU41200_500_500_600	500	600	300	20	M16	75	400	50	173	200
BU41200_500_500_750	500	750	300	20	M16	75	400	50	173	200
BU41200_630_630_700	630	700	350	25	M16	100	500	50	202	200
BU41200_630_630_850	630	850	350	25	M16	100	500	50	202	200
BU41200_800_800_800	800	800	500	25	M16	135	640	50	289	300
BU41200_800_800_1000	800	1000	500	25	M16	135	640	50	289	300

BU41210- Octagonal Tombstone with plain surface

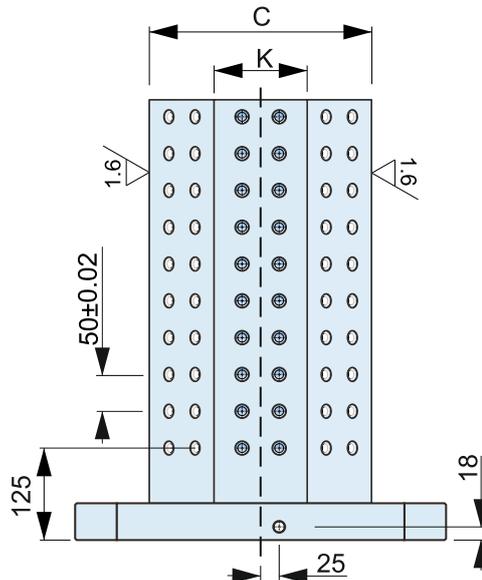
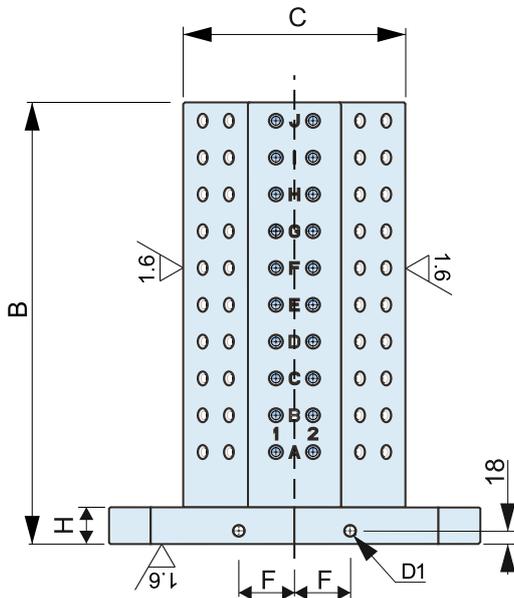
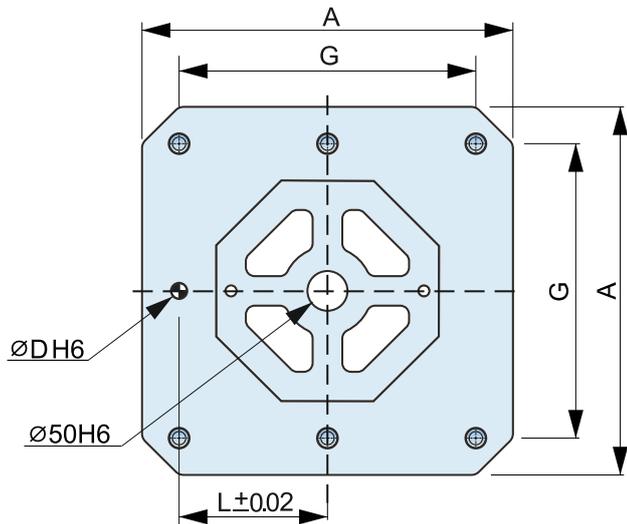
- ▶ Cast iron grade-300
- ▶ Suitable for pallets according to different standards.
- ▶ Customized sizes and material are available on request.



Part No.	A	B	C	D	D1	F	G	H	K	L
BU41210_400_400_500	400	500	251	20	M16	55	320	50	103	150
BU41210_400_400_650	400	650	251	20	M16	55	320	50	103	150
BU41210_500_500_600	500	600	301	20	M16	75	400	50	124	200
BU41210_500_500_750	500	750	301	20	M16	75	400	50	124	200
BU41210_630_630_700	630	700	351	25	M16	100	500	50	145	200
BU41210_630_630_850	630	850	351	25	M16	100	500	50	145	200
BU41210_800_800_800	800	800	501	25	M16	135	640	50	207	300
BU41210_800_800_1000	800	1000	501	25	M16	135	640	50	207	300

BU41220- Octagonal Tombstone with grid hole

- ▶ Cast iron grade-300
- ▶ Suitable for pallets according to different standards.
- ▶ Available in Ø12 or Ø16 bushings.
- ▶ Customized sizes and material are available on request.



Part No.	A	B	C	D	D1	F	G	H	K	L
BU41220_400_400_500	400	500	250	20	M16	55	320	50	103	150
BU41220_400_400_650	400	650	250	20	M16	55	320	50	103	150
BU41220_500_500_600	500	600	300	20	M16	75	400	50	124	200
BU41220_500_500_750	500	750	300	20	M16	75	400	50	124	200
BU41220_630_630_700	630	700	350	25	M16	100	500	50	145	200
BU41220_630_630_850	630	850	350	25	M16	100	500	50	145	200
BU41220_800_800_800	800	800	500	25	M16	135	640	50	207	300
BU41220_800_800_1000	800	1000	500	25	M16	135	640	50	207	300

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