





























<b>B</b>	
B400	88
B411	91
B441	90
B442	92
B451	93

85 - 94

B452	94
B481	89



Všeobecné použití / Általános alkalmazású / Produkty do zastosowań ogólnych /  
Uz general / Продукты для операций общего характера / Splošno uporabni

B400		HM		DIN 8093			B	H7	88
B411		HSS HM		DIN 8094			B	H7	91
B441		HSS HM		DIN 8090				H7	90
B442		HSS HM	ST	DIN 8091				H7	92
B451		HSS HM	ST	DIN 8090			A	H7	93
B452		HSS HM		DIN 8091				H7	94
B481		HM	ST	DIN 8093					89





## B400



- 1.5 1.6 3.1 3.2 3.3 3.4 4.1 4.2 4.3 5.1 5.2 5.3 6.1 6.2 6.3 6.4 7.1 7.2 7.3 7.4
- 8.1 8.2
- 1.1 1.2 1.3 1.4

$d_1$ Ø	$l_1$	$l_2$	$l_3$	$d_2$ Ø	z	e-Code
1.0	34	6		1.0	3	B4001.0 <sup>1)</sup>
1.2	40	8		1.2	3	B4001.2 <sup>1)</sup>
1.4	40	8		1.4	3	B4001.4 <sup>1)</sup>
1.5	40	8		1.5	3	B4001.5 <sup>1)</sup>
1.6	49	11		1.6	3	B4001.6 <sup>1)</sup>
1.8	49	11		1.8	4	B4001.8 <sup>1)</sup>
2.0	49	11		2.0	4	B4002.0 <sup>1)</sup>
2.2	57	15		2.2	4	B4002.2 <sup>1)</sup>
2.5	57	15		2.5	4	B4002.5 <sup>1)</sup>
2.8	61	15		2.8	4	B4002.8 <sup>1)</sup>
3.0	61	15	30	3.0	6	B4003.0 <sup>1)</sup>
3.2	70	18	33	3.2	6	B4003.2 <sup>1)</sup>
3.5	70	18	33	3.5	6	B4003.5 <sup>1)</sup>
4.0	75	19	44	4.0	6	B4004.0 <sup>1)</sup>

$d_1$ Ø	$l_1$	$l_2$	$l_3$	$d_2$ Ø	z	e-Code
4.5	80	21	46	4.5	6	B4004.5 <sup>1)</sup>
5.0	86	23	53	5.0	6	B4005.0 <sup>1)</sup>
5.5	93	26	56	5.5	6	B4005.5 <sup>1)</sup>
6.0	93	26	56	6.0	6	B4006.0 <sup>1)</sup>
6.5	101	28	63	6.5	6	B4006.5 <sup>2)</sup>
7.0	109	31	69	7.0	6	B4007.0 <sup>2)</sup>
8.0	117	33	75	8.0	6	B4008.0 <sup>2)</sup>
9.0	125	36	81	9.0	6	B4009.0 <sup>2)</sup>
10.0	133	38	87	10.0	6	B40010.0 <sup>2)</sup>
12.0	151	44	105	12.0	6	B40012.0 <sup>2)</sup>
14.0	160	47	110	14.0	6	B40014.0 <sup>2)</sup>
16.0	170	52	120	16.0	6	B40016.0 <sup>2)</sup>
18.0	182	56	130	18.0	6	B40018.0 <sup>3)</sup>
20.0	195	60	137	20.0	6	B40020.0 <sup>3)</sup>



## B481

HM

ST

DIN  
8093



Ø.95-5.5  
0,+0.004  
Ø5.51-12  
0,+0.005

- 1.5 1.6 3.1 3.2 3.3 3.4 4.1 4.2 4.3 5.1 5.2 5.3 6.1 6.2 6.3 6.4 7.1 7.2 7.3 7.4
- 8.1 8.2
- 1.1 1.2 1.3 1.4

d <sub>1</sub> Ø	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	z	d <sub>2</sub> Øh <sub>6</sub>	e-Code
0.98	34	5.5	20.5	3	4	B4810.98
0.99	34	5.5	20.5	3	4	B4810.99
1.00	34	5.5	20.5	3	4	B4811.00
1.01	34	5.5	20.5	3	4	B4811.01
1.02	34	5.5	20.5	3	4	B4811.02
1.03	34	5.5	20.5	3	4	B4811.03
1.48	40	8.0	23	3	4	B4811.48
1.49	40	8.0	23	3	4	B4811.49
1.50	40	8.0	23	3	4	B4811.50
1.51	40	8.0	23	3	4	B4811.51
1.52	40	8.0	23	3	4	B4811.52
1.53	40	8.0	23	3	4	B4811.53
1.98	49	11.0	26	4	4	B4811.98
1.99	49	11.0	26	4	4	B4811.99
2.00	49	11.0	26	4	4	B4812.00
2.01	49	11.0	26	4	4	B4812.01
2.02	49	11.0	26	4	4	B4812.02
2.03	49	11.0	26	4	4	B4812.03
2.48	57	15.0	30	4	4	B4812.48
2.49	57	15.0	30	4	4	B4812.49
2.50	57	15.0	30	4	4	B4812.50
2.51	57	15.0	30	4	4	B4812.51
2.52	57	15.0	30	4	4	B4812.52
2.53	57	15.0	30	4	4	B4812.53
2.97	61	16.0	31	6	4	B4812.97
2.98	61	16.0	31	6	4	B4812.98
2.99	61	16.0	31	6	4	B4812.99
3.00	61	16.0	31	6	4	B4813.00
3.01	61	16.0	31	6	4	B4813.01
3.02	61	16.0	31	6	4	B4813.02
3.03	61	16.0	31	6	4	B4813.03
3.97	75	21.0	47	6	4	B4813.97
3.98	75	21.0	47	6	4	B4813.98
3.99	75	21.0	47	6	4	B4813.99
4.00	75	21.0	47	6	4	B4814.00
4.01	75	21.0	47	6	4	B4814.01
4.02	75	21.0	47	6	4	B4814.02
4.03	75	21.0	47	6	4	B4814.03
4.97	86	27.0	58	6	5	B4814.97
4.98	86	27.0	58	6	5	B4814.98

d <sub>1</sub> Ø	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	z	d <sub>2</sub> Øh <sub>6</sub>	e-Code
4.99	86	27.0	58	6	5	B4814.99
5.00	86	27.0	58	6	5	B4815.00
5.01	86	27.0	58	6	5	B4815.01
5.02	86	27.0	58	6	5	B4815.02
5.03	86	27.0	58	6	5	B4815.03
5.97	93	27.0	57	6	6	B4815.97
5.98	93	27.0	57	6	6	B4815.98
5.99	93	27.0	57	6	6	B4815.99
6.00	93	27.0	57	6	6	B4816.00
6.01	93	27.0	57	6	6	B4816.01
6.02	93	27.0	57	6	6	B4816.02
6.03	93	27.0	57	6	6	B4816.03
7.97	117	33.0	81	6	8	B4817.97
7.98	117	33.0	81	6	8	B4817.98
7.99	117	33.0	81	6	8	B4817.99
8.00	117	33.0	81	6	8	B4818.00
8.01	117	33.0	81	6	8	B4818.01
8.02	117	33.0	81	6	8	B4818.02
8.03	117	33.0	81	6	8	B4818.03
8.04	117	33.0	81	6	8	B4818.04
9.97	133	38.0	93	6	10	B4819.97
9.98	133	38.0	93	6	10	B4819.98
9.99	133	38.0	93	6	10	B4819.99
10.00	133	38.0	93	6	10	B48110.00
10.01	133	38.0	93	6	10	B48110.01
10.02	133	38.0	93	6	10	B48110.02
10.03	133	38.0	93	6	10	B48110.03
10.04	133	38.0	93	6	10	B48110.04
10.05	133	38.0	93	6	10	B48110.05
11.97	151	44.0	111	6	10	B48111.97
11.98	151	44.0	111	6	10	B48111.98
11.99	151	44.0	111	6	10	B48111.99
12.00	151	44.0	111	6	10	B48112.00
12.01	151	44.0	111	6	10	B48112.01
12.02	151	44.0	111	6	10	B48112.02
12.03	151	44.0	111	6	10	B48112.03
12.04	151	44.0	111	6	10	B48112.04
12.05	151	44.0	111	6	10	B48112.05



## B441



- 1.5 1.6 3.1 3.2 3.3 3.4 4.1 4.2 4.3 5.1 5.2 5.3 6.1 6.2 6.3 6.4 7.1 7.2 7.3 7.4
- 8.1 8.2
- 1.1 1.2 1.3 1.4

$d_1$ Ø	$l_1$	$l_2$	$l_3$	$z$	$d_2$ $h_9$	e-Code
10.0	133	19	87	6	10	<b>B44110.0</b>
11.0	142	19	96	6	10	<b>B44111.0</b>
12.0	151	19	105	6	10	<b>B44112.0</b>
13.0	151	19	105	6	10	<b>B44113.0</b>
14.0	160	19	110	6	12.5	<b>B44114.0</b>
15.0	162	19	112	6	12.5	<b>B44115.0</b>

$d_1$ Ø	$l_1$	$l_2$	$l_3$	$z$	$d_2$ $h_9$	e-Code
16.0	170	22	120	6	12.5	<b>B44116.0</b>
17.0	175	22	123	6	14	<b>B44117.0</b>
18.0	182	22	130	6	14	<b>B44118.0</b>
19.0	189	22	131	6	16	<b>B44119.0</b>
20.0	195	22	137	6	16	<b>B44120.0</b>



## B411



- 1.5 1.6 3.1 3.2 3.3 3.4 4.1 4.2 4.3 5.1 5.2 5.3 6.1 6.2 6.3 6.4 7.1 7.2 7.3 7.4
- 8.1 8.2
- 1.1 1.2 1.3 1.4

$d_1$ Ø	$l_1$	$l_2$	$l_3$	z	MK	e-Code
5.0	133	23	67.5	6	1	B4115.0
6.0	138	26	72.5	6	1	B4116.0
7.0	150	31	84.5	6	1	B4117.0
8.0	156	33	90.5	6	1	B4118.0
9.0	162	36	96.5	6	1	B4119.0
10.0	168	38	102.5	6	1	B41110.0
12.0	182	44	116.5	6	1	B41112.0
14.0	189	47	123.5	6	1	B41114.0
15.0	204	50	124	6	2	B41115.0
16.0	210	52	130	6	2	B41116.0

$d_1$ Ø	$l_1$	$l_2$	$l_3$	z	MK	e-Code
17.0	214	54	134	6	2	B41117.0
18.0	219	56	139	6	2	B41118.0
19.0	223	58	143	6	2	B41119.0
20.0	228	60	148	6	2	B41120.0
22.0	237	64	157	6	2	B41122.0
24.0	268	68	169	8	3	B41124.0
25.0	268	68	169	8	3	B41125.0
26.0	273	70	174	8	3	B41126.0
30.0	281	73	182	8	3	B41130.0





## B442



- 1.5 1.6 3.1 3.2 3.3 3.4 4.1 4.2 4.3 5.1 5.2 5.3 6.1 6.2 6.3 6.4 7.1 7.2 7.3 7.4
- 8.1 8.2
- 1.1 1.2 1.3 1.4

$d_1$ $\emptyset$	$l_1$	$l_2$	$l_3$	z	MK	e-Code
10.0	168	19	102.5	6	1	B44210.0
12.0	182	19	116.5	6	1	B44212.0
14.0	189	19	123.5	6	1	B44214.0
15.0	204	19	124	6	2	B44215.0
16.0	210	22	130	6	2	B44216.0
17.0	214	22	134	6	2	B44217.0

$d_1$ $\emptyset$	$l_1$	$l_2$	$l_3$	z	MK	e-Code
18.0	219	22	139	6	2	B44218.0
19.0	223	22	143	6	2	B44219.0
20.0	228	22	148	6	2	B44220.0

# B451



## B451



- 1.5 1.6 3.1 3.2 3.3 3.4 4.1 4.2 4.3 5.1 5.2 5.3 6.1 6.2 6.3 6.4 7.1 7.2 7.3 7.4
- 8.1 8.2
- 1.1 1.2 1.3 1.4

$d_1$ Ø	$l_1$	$l_2$	$l_3$	$z$	$d_2$ Ø	e-Code
8.0	117	16	75	4	8.0	<b>B4518.0</b>
9.0	125	19	81	4	9.0	<b>B4519.0</b>
10.0	133	19	87	6	10.0	<b>B45110.0</b>
11.0	142	19	96	6	10.0	<b>B45111.0</b>
12.0	151	19	105	6	10.0	<b>B45112.0</b>
13.0	151	19	105	6	10.0	<b>B45113.0</b>

$d_1$ Ø	$l_1$	$l_2$	$l_3$	$z$	$d_2$ Ø	e-Code
14.0	160	19	110	6	12.5	<b>B45114.0</b>
15.0	162	19	112	6	12.5	<b>B45115.0</b>
16.0	170	22	120	6	12.5	<b>B45116.0</b>
18.0	182	22	130	6	14.0	<b>B45118.0</b>
20.0	195	22	137	6	16.0	<b>B45120.0</b>





## B452



- 1.5 1.6 3.1 3.2 3.3 3.4 4.1 4.2 4.3 5.1 5.2 5.3 6.1 6.2 6.3 6.4 7.1 7.2 7.3 7.4
- 8.1 8.2
- 1.1 1.2 1.3 1.4

$d_1$ Ø	$l_1$	$l_2$	$l_3$	z	MK	e-Code
8.0	156	16	90.5	4	1	B4528.0
10.0	168	19	102.5	6	1	B45210.0
11.0	175	19	109.5	6	1	B45211.0
12.0	182	19	116.5	6	1	B45212.0
13.0	182	19	116.5	6	1	B45213.0
14.0	189	19	123.5	6	1	B45214.0
15.0	204	19	124	6	2	B45215.0
16.0	210	22	130	6	2	B45216.0
17.0	214	22	134	6	2	B45217.0
18.0	219	22	139	6	2	B45218.0

$d_1$ Ø	$l_1$	$l_2$	$l_3$	z	MK	e-Code
19.0	223	22	143	6	2	B45219.0
20.0	228	22	148	6	2	B45220.0
22.0	237	25	157	6	2	B45222.0
24.0	268	25	169	8	3	B45224.0
25.0	268	25	169	8	3	B45225.0
26.0	273	25	174	8	3	B45226.0
28.0	277	30	178	8	3	B45228.0
30.0	281	30	182	8	3	B45230.0