





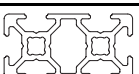











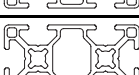
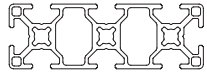
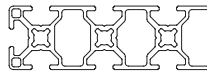
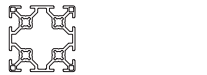

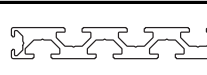


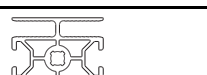

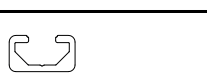





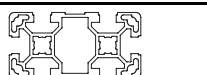
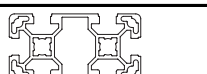
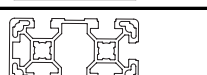

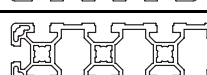






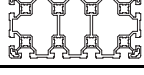












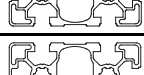
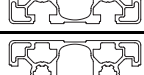


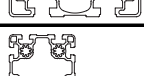


# BSP ARBEITSKARTE


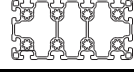



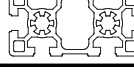






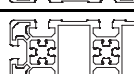







BSP6										
N	R	A	Typ	Abmessung mm	Querschnitt	I <sub>x</sub> mm <sup>4</sup>	I <sub>y</sub> mm <sup>4</sup>	W <sub>x</sub> max mm <sup>2</sup>	W <sub>y</sub> max mm <sup>2</sup>	Gewicht kg/m
5	R		D28	Ø28		16168,0	16168,0	1156,2 1156,2	1156,2 1156,2	±0,725
6	20	L	L20	20x20		6688,1	6688,1	668,8 668,8	668,8 668,8	±0,439
			L21	20x20 1N		7515,6	6742,7	793,1 714,1	674,3 674,3	±0,473
			L23	20x20 2N90		7597,0	7597,0	798,6 724,5	798,6 724,5	±0,497
			L24	20x20 2N180		8412,9	6778,1	841,3 841,3	677,8 677,8	±0,499
			L25	20x20 3N		7590,0	8432,0	795,9 725,5	843,2 843,2	±0,525
			L41	40x20		11875,0	45789,2	1187,5 1187,5	2289,5 2289,5	±0,773
			L22	20x20 R17		5779,9	5779,9	545,8 614,2	545,8 614,2	±0,437

BSP8										
8	30	L	L30 */**	30x30		26803,9	26803,9	1787,0 1787,0	1787,0 1787,0	±0,843
			L31 */**	30x30 1N		32468,6	29148,2	2279,7 2060,5	1943,2 1943,2	±0,932
			L33 */**	30x30 2N90		31163,2	32734,9	2185,2 1979,9	2082,6 2292,1	±0,982
			L34 */**	30x30 2N180		29261,8	36297,0	1950,8 1950,8	2419,8 2419,8	±0,982
			L35 */**	30x30 3N		31153,0	34812,0	2178,4 1984,2	2320,2 2320,2	±0,997
			L32 */**	30x30 R25		22682,8	22682,8	1637,4 1404,7	1404,7 1637,4	±0,776
			L330	38x30		34895,0	35975,0	2464,8 2056,6	1897,9 1897,9	± 0,985
			L345	44,7x30		37789,0	54855,0	2123,0 1880,8	2276,1 2168,1	±1,144
			L360	43,5x30		41226,0	30624,0	1895,9 1895,9	2234,9 1732,4	± 0,978
			L61 */**	60x30		50342,5	195063,4	3356,2 3356,2	6502,1 6502,1	±1,489
			L63 *	60x30 2N		55969,0	201861,0	3926,5 3554,5	6728,7 6728,7	±1,579

N	R	A	Typ	Abmessung mm	Querschnitt	I <sub>x</sub> mm <sup>4</sup>	I <sub>y</sub> mm <sup>4</sup>	W <sub>x</sub> max mm <sup>2</sup>	W <sub>y</sub> max mm <sup>2</sup>	Gewicht kg/m
8	30	L	L91 *	90x30		73051,0	610831,0	4870,1 4870,1	13574,0 13574,0	±2,146
			L121 *	120x30		96725,0	1382982,0	6448,3 6448,3	23049,7 23049,7	±2,812
			L60 *	60x60		370420,0	370420,0	12347,3 12347,3	12347,3 12347,3	±2,580
			L65 *	30x60x60		261213,0	261167,0	7529,9 7529,9	7528,6 7528,8	±2,255
			SP 120	120x15		1087857,0	21520,0	18131,0 18131,0	2732,4 3020,7	±2,421
			30WG 40 *	30x30 WG40		25004,7	29028,1	1582,8 1582,8	1815,3 1815,3	±0,863
			30WG 40 ** Typ B	30x30 WG40		25236,0	30511,0	1762,4 1609,3	2136,6 1941,0	±0,865
			45WG 40 *	30x45 WG40		69448,8	40543,0	3086,6 3086,6	2512,8 2512,8	±1,200
			NAD	9x4		23,0	114,0	6,2 5,9	24,8 24,8	±0,035
			L22	20x11		5157,0	1302,0	515,7 515,7	292,0 199,2	± 0,275

BSP10										
10	40	L	L40	40x40		90360,0	90360,0	4518,0 4518,0	4518,0 4518,0	±1,502
			L41	40x40 1N		96631,7	90051,0	4693,5 4693,5	4527,5 4527,5	±1,549
			L42	40x40 2N90		96834,4	96834,4	4983,3 4707,4	4983,3 4707,4	±1,596
			L43	40x40 2N180		90747,8	103304,8	4537,4 4537,4	5165,2 5165,2	±1,596
			L453	40x40 3N		97036,8	103501,6	4721,0 4721,0	5175,0 5175,0	±1,644
			L81	80x40		171916,0	626328,0	8595,8 8595,8	15658,2 15658,2	±2,635
			L83	80x40 2N		186288,0	642206,0	9724,1 8937,9	16055,1 16055,1	±2,727
			L84	80x40 3N90°		198876,0	715261,0	10316,7 9370,8	18295,7 17274,6	±2,971
			L121	120x40		252733,0	1934467,0	12636,7 12636,7	32241,1 32241,1	±3,759
			L161	160x40		368960,0	4606747,0	18448,0 18448,0	57584,3 57584,3	±5,444
			L80	80x80		1314127,0	1314127,0	32853,2 32853,2	32853,2 32853,2	±4,898

N	R	A	Typ	Abmessung mm	Querschnitt	I <sub>x</sub> mm <sup>4</sup>	I <sub>y</sub> mm <sup>4</sup>	W <sub>x</sub> max W <sub>x</sub> max mm <sup>2</sup>	W <sub>y</sub> max W <sub>y</sub> max mm <sup>2</sup>	Gewicht kg/m	
10	30	L	L86	80x80 2N		1332190,0	1353946,0	33304,8 33304,8	34295,2 33413,6	±4,958	
			L87	80x80 4N90°		1372015,0	1372015,0	34747,4 33864,7	34747,4 33864,7	±5,019	
			L122	120x80		1759896,0	3530841,0	43997,4 43997,4	58847,3 58847,3	±6,385	
			L162	160x80		2327167,0	7754068,0	58179,2 58179,2	96925,9 96925,9	ca. ±8,27	
			L44	40x40 R33,3		69396,3	69396,3	3896,5 3127,4	3127,4 2873,3	ca. ±1,313	
			L85	40x80x80		823019,0	823024,0	24151,2 17922,2	24150,9 17922,2	ca. ±3,781	
	45	UL	L	UL91	90x45		189589,0	772906,0	8427,1 8425,3	17178,8 17175,6	±2,521
				L45	45x45		109971,0	109971,0	4887,6 4887,6	4887,6 4887,6	±1,551
		L	L46	45x45 1N		120793,7	117762,2	5405,1 5332,6	5233,8 5233,8	±1,638	
			L47	45x45 2N90		120962,1	120553,6	5411,8 5340,8	5333,0 5383,1	±1,638	
			L48	45x45 2N180		115639,3	122697,1	5139,5 5139,5	5453,2 5453,2	±1,611	
			L49	45x45 3N		121304,0	124318,0	5426,9 5356,2	5525,2 5525,2	±1,642	
			L4530	45x30		38486,0	81216,0	2647,0 2489,3	3609,6 3609,6	±1,064	
			L451	45x45 R37,5		80838,0	80838,0	4024,9 3244,5	3244,5 4024,9	±1,297	
			L430	57x45		151452,0	125541,0	5326,8 5326,8	5879,7 4958,9	± 1,857	
			L445	67x45		135335,0	214703,0	6156,3 5810,3	6408,6 6408,6	± 2,046	
			L91	90x45		235902,0	821520,0	10484,5 10484,5	18256,0 18256,0	±3,069	
			L92	90x45 1N		235794,3	85411,6	19274,8 18694,7	10480,6 10478,8	±3,114	
			L94	90x45 2N		251805,0	838344,0	11526,6 10875,0	18634,5 18625,2	±3,161	
			L95	90x45 4N 180°		269011,0	856463,0	11956,9 11955,1	19037,1 19027,9	±3,256	
L96	90x45 3N 90°		252009,0	872250,0	11530,8 10888,4	19675,0 19100,1	±3,209				
L90	90x90		2128688,7	2128688,7	47304,2 47304,2	47304,2 47304,2	±6,420				
L97	90x90 2N		2173964,0	2146153,0	48793,5 47836,6	47692,3 47692,3	±6,474				

N	R	A	Typ	Abmessung mm	Querschnitt	I <sub>x</sub> mm <sup>4</sup>	I <sub>y</sub> mm <sup>4</sup>	W <sub>x</sub> max W <sub>x</sub> max mm <sup>2</sup>	W <sub>y</sub> max W <sub>y</sub> max mm <sup>2</sup>	Gewicht kg/m	
10	45	L	L93	90x90 4N90		2216076,3	2216076,3	50163,1 48362,0	48362,0 46560,9	±6,606	
			L181	180x90		4000684,0	13832113,0	88904,1 88904,1	153690,2 153690,2	±11,438	
			L23	45x22,5		29860,6	71938,3	2654,3 2654,3	3197,3 3197,3	±1,324	
			L22	22,5x15		8156,0	3414,0	725,0 725,0	502,1 416,4	± 0,335	
		S	S45	45x45		134572,0	134572,0	5981,0 5981,0	5981,0 5981,0	±1,968	
			S91	90x45		323570,0	1250353,0	14380,9 14380,9	27785,6 27785,6	±4,179	
			S182	180x45		568981,0	7482483,0	25288,0 25288,0	83138,7 83138,7	±6,869	
			S90	90x90		2995140,0	2995140,0	66558,6 66558,6	66558,6 66558,6	±10,342	
			S181	180x90		5442448,0	21381507,0	120943,0 120943,0	237572,0 237572,0	±17,230	
			S61	60x45		229868,8	377225,6	10216,4 10216,4	12574,2 12574,2	±3,013	
			S95	45x90x90		1521136,0	1521136,0	39898,4 29323,2	39898,4 29323,2	±5,733	
			S96	45x90x90 4N 90°		1629069,0	1629069,0	43661,2 30918,9	43661,3 30918,9	± 6,035	
			L	L50	50x50		210374,0	210374,0	8414,9 8414,9	8414,9 8414,9	±2,500
				L101 A	100x50		419230,0	1571183,0	16769,2 16769,2	31423,7 31423,7	±4,454
		L151		150x50		630421,0	5128543,0	25216,8 25216,8	68380,6 68380,6	±6,679	
		L100		100x100		3123632,3	3123632,3	62472,6 62472,6	62472,6 62472,6	±7,967	
		S		S101	100x50		512755,0	2200269,0	20509,5 20509,5	44002,8 44002,8	±5,737
		60	L	L60	60x60		323586,0	323586,0	10786,2 10786,2	10786,2 10786,2	±2,710
				S60	60x60		527197,0	527197,0	17573,2 17573,2	17573,2 17573,2	±3,883
			S	S9060	90x60		897444,0	2119685,0	29921,4 29921,4	47104,1 47104,1	±6,865
<b>BSP10 - Zubehör</b>											
Z	Z	NAD	11,4x6,8		62,0	293,0	11,8 11,5	51,4 51,4	±0,056		

## Legende

### BSP – Maschinenbauprofile kompatibel zum Bosch Raster

$I_x/I_y$  = Flächenträgheitsmoment  
 $W_x/W_y$  = Widerstandmoment  
 UL = ultraleicht/eco  
 L = leicht  
 M = medium  
 S = schwer  
 D = Durchmesser

N = Nut  
 R = Raster  
 A = Ausführung  
 \* = Kernbohrung 6,8 mm für Gewindeschneiden  
 \*\* = Kernbohrung 7,3 mm für Spezialverbinder  
 Z = Zubehör  
 NAD = Nutabdeckprofil

Raster in mm

Mechanische Eigenschaften		
<b>Bezeichnung</b>	EN 572-3	EN-AW 6063
<b>Zustand</b>	EN 515	T66
<b>R<sub>p0,2</sub></b>	[N/mm <sup>2</sup> ]	≥ 200
<b>R<sub>m</sub></b>	[N/mm <sup>2</sup> ]	≥ 245
<b>A</b>	[%]	≥ 8
<b>A50</b>	[%]	≥ 6
<b>Härte</b>	[HB]	≥ 80

Nutmaße
Nut 6 = 6,0+0,3 mm
Nut 8 = 8,0+0,3 mm
Nut 10 = 10,0+0,4 mm

Kernbohrung
Nut 6 = 5,5+0,2/-0,1 mm
Nut 8** = 6,8-0,2 mm
Nut 8 = 7,3+ 0,2/-0,1 mm
Nut 10 = 10,0+/-0,15mm

<b>Oberfläche</b>	Eloxal E6Ev1 (silber) / E6Ev6 (schwarz)   Andere Ausführungen auf Anfrage
<b>Länge</b>	6000 mm/6030 mm (Nutzlänge)   Andere Längen auf Anfrage
<b>Normen</b>	DIN EN 573, 755, Toleranzen DIN EN 12020
<b>Andere Ausführungen</b>	auf Anfrage



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Abweichungen und Änderungen siehe detailliertes Datenblatt und technische Zeichnung. Kernbohrungen vorgesehen für Gewindeschneiden und entsprechende Schnellspannverbinder. Der Einsatz gewindefurchender bzw. gewindeschneidender Schrauben ist im Vorfeld zu prüfen. Irrtümer vorbehalten. Alle Angaben und technische Daten ohne Gewähr und vorbehaltlich der Eignung für den vorgesehenen Verwendungszweck. Angegebene Gewichte sind theoretisch ermittelt. Maßgebend für die Fakturierung ist das tatsächliche Liefergewicht. Für unrichtige Angaben (z.B. Druckfehlern) übernehmen wir keine Haftung. Für Lieferungen gelten unsere Verkaufs-, Lieferungs- und Zahlungsbedingungen. Die neueste Fassung senden wir Ihnen gerne zu.