



Tulplast®

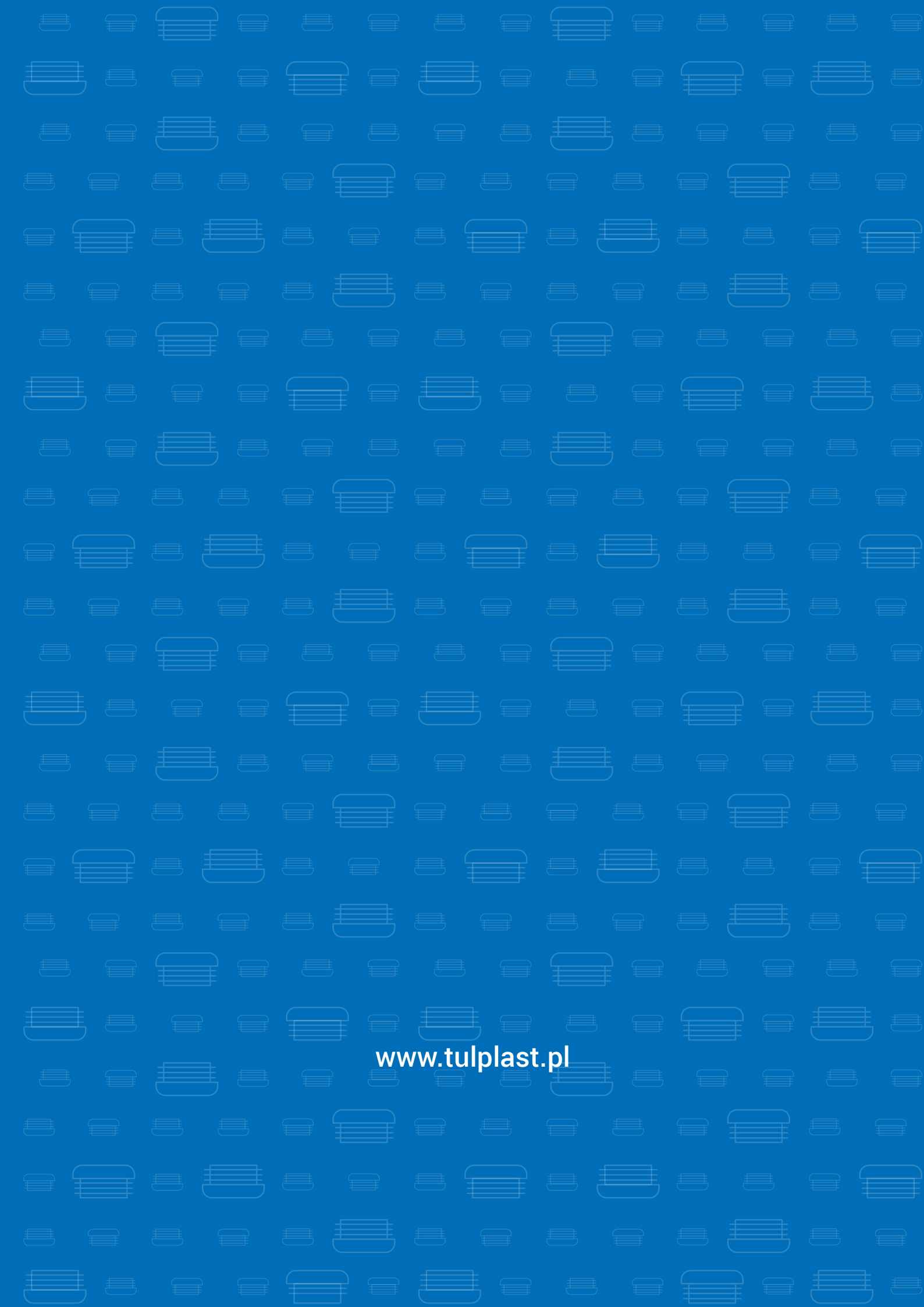


Production and distribution of
plastic and metal products.



www.tulplast.pl

PRODUCT CATALOGUE 2018



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ABOUT US



Identity of Tulplast

Quality, customer satisfaction, innovation, production

TULPLAST is a family business started in 1985 by Ireneusz Socha. The company has been dynamically growing since its foundation, promoting the newest technologies, thanks to which it builds its stable position on the market.

Today, TULPLAST is one of the leading manufacturer of caps, plugs and other plastic products in Poland, as well as one of the leaders in the field of gate and fence accessories, as well as in the furniture sector. The company may also manufacture any metal products.

Entrepreneurship of the owners and the drive towards complex support of our Customers lead to a tool workshop as an addition to the pressure moulding site of TULPLAST, enabling it to participate in the development process of new products – from an idea, through designs, to very quick implementations of our products in production.

Our vast experience, very high quality of products and professional customer service make us a great cooperation partners for the most demanding domestic and foreign customers.



Products





Machine Park

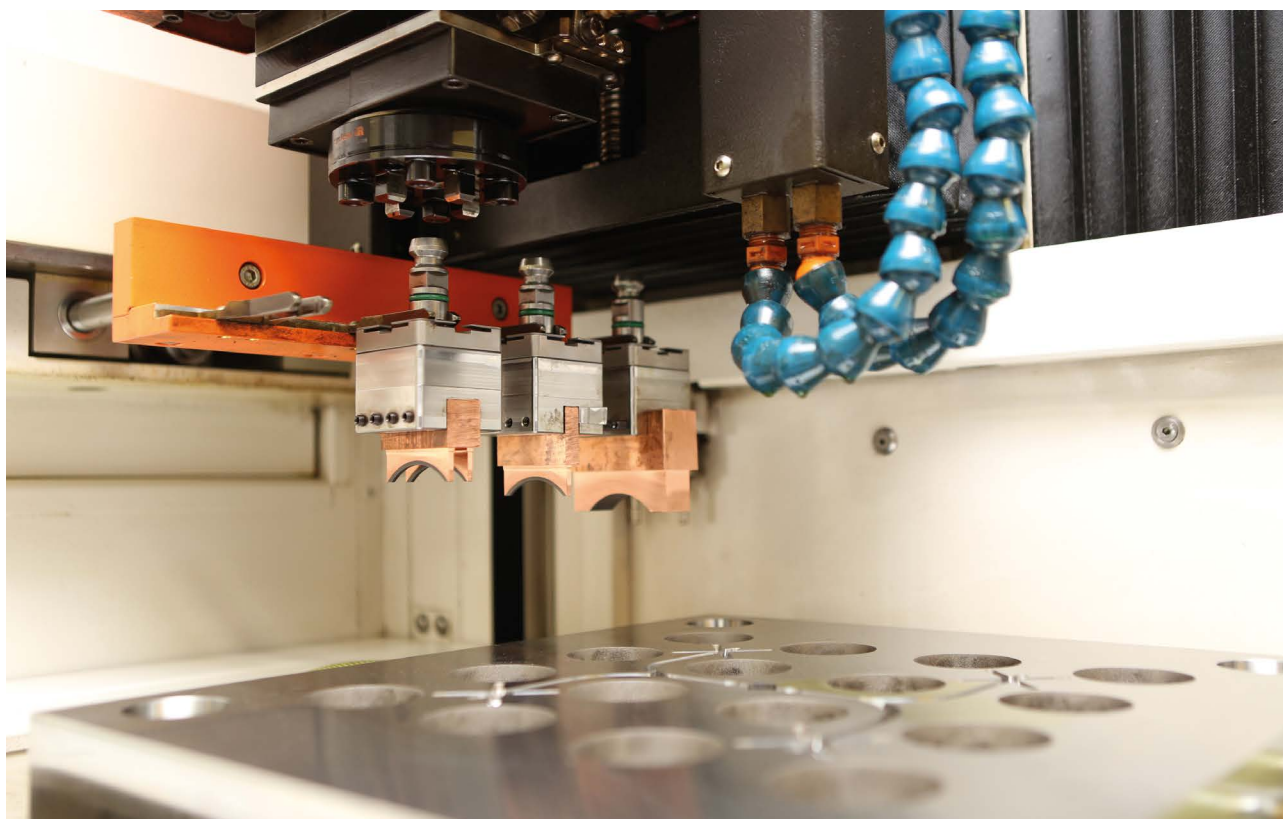
Innovation

TULPLAST has its own tool workshop, providing its customers with complex service. The tool workshop facilitates development work on new products already at the stage of idea and designing. It also allows quick implementation of new products in our production. The tool workshop of TULPLAST prepares moulds for our own purposes and as ordered by customers, also offering professional mould servicing and storage in a designated storage space.

Professional production of moulds by TULPLAST is possible thanks to our modern and technologically advanced machinery: CNC processing machines, rolling and 3-/4-axis cutting machines or our wire/deep electrodrilling machine. We also use a 3D printer in our production process, allowing us to present initial model concepts to our Customers.

Injection moulds and other tools are designed using state of the art IT systems, such as CAD and CAM. Correct execution of the moulds is verified at our own testing station. Tests are performed using injection machines with closing forces in the range of 50–400 tons.

Machine Park



INJECTION MOULDING



Manufacturing facility

Modernity

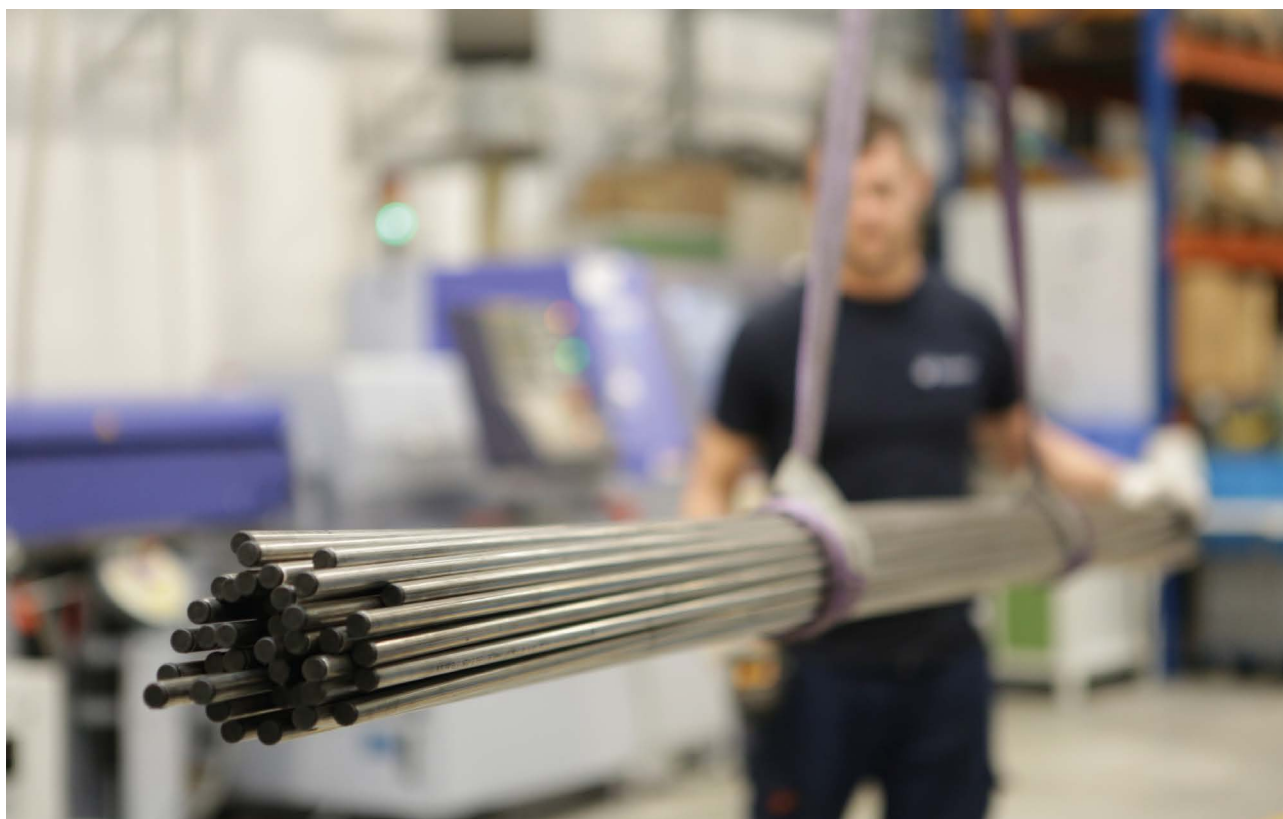
TULPLAST also has a modern injection moulding site, equipped with technologically newest injection machines made by Arburg or Engel using closing forces 50–400 tons and a maximum injection amount of 1.5kg. Some of the machines are equipped with manipulators and robots, automatic feeders and belt conveyors. The machines are connected to a central cooling system. The site also includes dryers used for plastics. We pack our products using packing machines. This machinery allows our products made of PE, PP, ABS, PA and other raw materials to achieve the best possible quality.

Our modern metalworking site is an important advantage of our company, as it allows production of materials for subsequent injection coating.

In addition to production of products ordered by our Customers, TULPLAST also provides complex injection moulding support and production of adequately design moulds in our tool workshop.

WE WOULD LIKE TO INVITE EVERYONE INTERESTED TO COOPERATION.

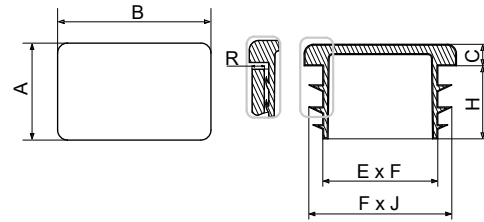
Manufacturing facility



Plugs/Bolt and nut caps



Rectangular tube plugs



ART.NO.	TYPE	R [profile wall thickness]	A x B [mm]	C [mm]	H [mm]	E x F [mm]	F x J [mm]
400	ZP 10 x 20	0,8-1,0	10 x 20	3,0	12,0	6,1 x 15,9	9,0 x 19,3
401	ZP 10 x 20	1,0-1,5	10 x 20	3,0	12,0	5,7 x 15,8	8,4 x 18,5
472	ZP 10 x 25	1,0-2,0	10 x 25	5,0	11,5	6,4 x 21,5	8,7 x 23,5
402	ZP 10 x 30	1,0-1,5	10 x 30	3,1	12,8	4,9 x 24,4	8,8 x 28,7
455	ZP 10 x 35	1,2-2,5	10 x 35	5,0	10,0	5,0 x 29,5	7,4 x 32,0
403	ZP 10 x 40	1,5-2,0	10 x 40	2,8	13,1	4,9 x 34,3	7,6 x 37,8
3139	ZP 11 x 70	1,0-2,0	11 x 70	3,5	20	5,2 x 61	9,7 x 68,5
404	ZP 15 x 20	1,0-2,5	15 x 20	5,0	11,0	10,8 x 15,5	14,0 x 19,0
405	ZP 15 x 25	1,0-2,0	15 x 25	5,0	12,9	10,3 x 19,9	13,9 x 23,9
406	ZP 15 x 30	1,0-2,0	15 x 30	3,8	14,8	10,9 x 23,1	13,5 x 28,8
456	ZP 15 x 35	1,0-2,5	15 x 35	5,0	12,3	9,7 x 30,3	13,1 x 33,1
459	ZP 15 x 40	1,2-2,5	15 x 40	4,2	13,0	8,3 x 33,5	13,5 x 38,6
470	ZP 15 x 45	1,0-2,5	15 x 45	5,0	11,1	10,4 x 40,2	14,0 x 43,4
407	ZP 15 x 50	1,0-2,0	15 x 50	5,0	13,7	10,6 x 45,6	13,8 x 49,5
408	ZP 18 x 30	1,0-3,0	18 x 30	5,0	14,0	11,0 x 22,6	16,5 x 28,5
471	ZP 20 x 24	1,0-2,5	20 x 24	4,2	14,2	12,8 x 13,5	18,4 x 23,6
474	ZP 20 x 25	1,0-2,5	20 x 25	5,0	14,6	12,0 x 17,1	18,1 x 23,1
409	ZP 20 x 30	1,0-3,0	20 x 30	5,0	14,0	13,0 x 22,5	18,5 x 28,5
441	ZP 20 x 35	1,0-3,0	20 x 35	5,0	13,0	13,1 x 28,3	18,0 x 33,2
410	ZP 20 x 40	1,0-3,0	20 x 40	5,0	14,0	13,0 x 32,6	18,5 x 38,5
411	ZP 20 x 50	1,0-3,0	20 x 50	5,0	15,0	13,0 x 42,8	18,7 x 49,0
412	ZP 20 x 60	1,5-3,0	20 x 60	5,0	14,0	14,0 x 54,0	18,2 x 58,0
2191	ZP 20 x 70	1,0-3,0	20 x 70	5,0	19,3	13,1 x 62,3	18,4 x 67,5
442	ZP 20 x 80	1,5-3,0	20 x 80	5,0	17,5	12,9 x 74,3	18,0 x 78,4
473	ZP 20 x 100	1,5-3,0	20 x 100	5,0	16,9	12,1 x 92,4	18,0 x 98,3
475	ZP 25 x 30	1,0-2,5	25 x 30	5,0	13,6	19,6 x 24,5	23,1 x 28,5
476	ZP 25 x 35	1,0-2,5	25 x 35	4,6	13,5	20,0 x 29,5	24,3 x 33,7
413	ZP 25 x 40	1,5-3,0	25 x 40	5,0	14,0	19,8 x 32,5	23,4 x 38,0
443	ZP 25 x 45	1,5-3,0	25 x 45	5,0	13,0	18,2 x 38,5	23,1 x 43,4
414	ZP 25 x 50	1,5-3,0	25 x 50	5,0	16,0	15,8 x 40,5	22,8 x 47,2
477	ZP 25 x 60	1,5-3,0	25 x 60	5,0	16,8	17,2 x 52,3	23,2 x 58,6
415	ZP 25 x 70	1,5-3,0	25 x 70	5,0	16,8	17,3 x 62,3	23,2 x 67,7
483	ZP 25 x 80	1,5-3,0	25 x 80	5,0	16,7	17,2 x 72,6	22,9 x 78,5

ART.NO.	TYPE	R [profile wall thickness]	A x B [mm]	C [mm]	H [mm]	E x F [mm]	F x J [mm]
416	ZP 25 x 100	1,5-3,0	25 x 100	5,0	17,0	17,2 x 92,4	23,1 x 98,3
417	ZP 27 x 40	1,5-3,0	27 x 40	5,0	14,0	19,8 x 32,6	25,4 x 38,2
418	ZP 30 x 40	1,5-3,0	30 x 40	5,0	14,0	21,7 x 32,4	28,6 x 37,3
484	ZP 30 x 45	1,5-3,0	30 x 45	5,0	14,7	22,9 x 37,0	29,0 x 42,8
419	ZP 30 x 50	1,5-3,0	30 x 50	5,0	16,0	22,8 x 42,5	27,6 x 47,5
420	ZP 30 x 60	1,5-3,0	30 x 60	5,0	16,0	22,5 x 52,0	27,8 x 58,0
421	ZP 30 x 70	1,5-3,0	30 x 70	5,0	18,8	20,5 x 58,9	27,8 x 66,7
422	ZP 30 x 80	1,5-3,0	30 x 80	5,0	18,0	21,8 x 71,4	28,5 x 78,5
423	ZP 30 x 100	1,5-3,0	30 x 100	5,0	15,0	19,9 x 91,4	27,2 x 98,0
485	ZP 30 x 120	1,0-2,0	30 x 120	4,7	20,1	26,5 x 119,8	22,2 x 114,9
486	ZP 35 x 40	1,0-3,0	35 x 40	5,0	11,5	27,2 x 32,3	33,8 x 38,8
457	ZP 35 x 45	1,0-3,0	35 x 45	5,0	11,0	26,7 x 36,8	33,7 x 43,5
424	ZP 35 x 50	1,5-3,0	35 x 50	5,0	15,0	26,7 x 41,5	32,1 x 47,3
425	ZP 35 x 70	1,5-3,5	35 x 70	5,0	19,0	24,0 x 58,5	32,1 x 67,3
426	ZP 40 x 50	1,5-3,0	40 x 50	5,0	18,0	31,0 x 41,0	37,7 x 47,9
427	ZP 40 x 60	1,0-3,0	40 x 60	5,0	17,0	30,8 x 50,5	38,2 x 58,2
449	ZP 40 x 70	1,5-3,5	40 x 70	5,0	19,0	28,6 x 58,3	37,3 x 66,5
428	ZP 40 x 80	1,5-3,0	40 x 80	5,0	17,0	28,0 x 68,0	37,6 x 77,2
429	ZP 40 x 100	1,5-4,0	40 x 100	5,0	19,5	27,6 x 87,0	37,7 x 96,0
430	ZP 40 x 120	1,7-3,0	40 x 120	5,0	19,0	27,5 x 107,6	38,0 x 117,0
487	ZP 45 x 60	1,5-4,0	45 x 60	5,0	14,9	34,5 x 50,8	42,3 x 58,3
431	ZP 50 x 70	1,5-4,0	50 x 70	5,0	19,0	37,5 x 57,4	47,7 x 67,3
432	ZP 50 x 80	2,0-4,0	50 x 80	5,0	19,0	37,0 x 67,5	47,3 x 76,8
489	ZP 50 x 90	2,0-4,0	50 x 90	6,0	21,5	36,0 x 76,0	46,8 x 86,7
433	ZP 50 x 100	2,0-4,0	50 x 100	5,0	20,0	39,3 x 90,0	46,3 x 95,5
434	ZP 50 x 120	2,0-4,0	50 x 120	5,0	21,0	34,5 x 104,5	45,0 x 115,0
435	ZP 60 x 80	1,5-4,0	60 x 80	5,7	20,0	46,0 x 66,0	57,5 x 77,1
436	ZP 60 x 100	1,5-4,0	60 x 100	5,0	21,5	46,2 x 85,0	57,0 x 95,5
490	ZP 60 x 110	3,5-5,0	60 x 110	6,0	24,5	41,8 x 94,0	52,6 x 104,1
437	ZP 60 x 120	2,0-4,0	60 x 120	5,8	20,0	46,0 x 105,6	56,5 x 115,5
491	ZP 70 x 90	3,0-5,0	70 x 90	6,0	21,5	53,0 x 74,0	63,9 x 84,9
492	ZP 70 x 110	3,0-5,0	70 x 110	6,0	24,5	53,2 x 94,0	94,0 x 105,0
458	ZP 80 x 100	2,0-4,0	80 x 100	6,0	24,0	65,3 x 84,8	76,0 x 96,1
438	ZP 80 x 120	1,5-4,0	80 x 120	5,8	26,0	62,0 x 101,5	76,0 x 115,3
439	ZP 80 x 140	2,0-4,0	80 x 140	5,8	24,0	70,0 x 130	76,5 x 136,5
493	ZP 100 x 120	3,5-6,0	100 x 120	6,0	24,0	84,2 x 103,8	94,1 x 114,3
440	ZP 100 x 150	5,0-10,0	100 x 150	6,0	27,0	78,4 x 128,5	91,8 x 141,0

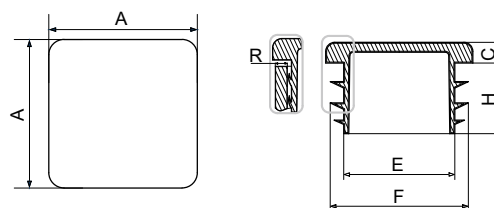
Material: Polyethylene.

Standard Color

RAL 9005 7040 9010



Square tube plugs



ART.NO.	TYPE	R [profile wall thickness]	A x A [mm]	C [mm]	H [mm]	E [mm]	F [mm]
301	ZK 10 x 10	0,8-1,5	10 x 10	3,9	10,0	5,3	8,9
302	ZK 12 x 12	1,0-2,0	12 x 12	4,0	11,6	6,8	11,3
303	ZK 15 x 15	1,0-2,0	15 x 15	5,0	12,0	10,0	13,4
304	ZK 16 x 16	1,0-2,0	16 x 16	5,0	12,2	10,8	14,3
305	ZK 18 x 18	1,0-2,0	18 x 18	5,0	11,0	12,6	16,3
306	ZK 20 x 20	1,0-2,5	20 x 20	4,2	12,8	13,3	18,6
307	ZK 25 x 25	1,0-2,5	25 x 25	4,4	13,0	17,6	23,2
308	ZK 30 x 30	1,0-2,5	30 x 30	4,5	14,3	23,0	28,5
309	ZK 32 x 32	1,0-2,5	32 x 32	5,0	12,0	23,9	30,8
310	ZK 35 x 35	1,0-2,5	35 x 35	5,0	17,0	27,1	32,2
311	ZK 40 x 40	1,2-3,0	40 x 40	5,0	18,0	31,3	38,4
312	ZK 40 x 40 3-5	3,0-5,0	40 x 40	5,0	19,0	27,1	35,4
313	ZK 45 x 45	1,5-3,0	45 x 45	5,0	17,5	33,5	43,0
314	ZK 50 x 50	1,5-3,0	50 x 50	5,0	18,0	43,7	48,0
315	ZK 50 x 50 3-5	3,5-5,0	50 x 50	5,0	18,8	36,9	44,8
316	ZK 60 x 60	1,5-3,0	60 x 60	5,0	18,0	53,0	58,3
317	ZK 60 x 60 3-5	3,0-5,0	60 x 60	5,0	19,0	46,6	54,6
318	ZK 70 x 70	1,5-4,0	70 x 70	5,0	21,8	58,5	66,7
2195	ZK 70 x 70 5	5,0	70 x 70	4,3	21,7	58	62,3
319	ZK 80 x 80	1,5-4,5	80 x 80	5,0	22,0	67,1	77,4
326	ZK 80 x 80 5-8	5,0-8,0	80 x 80	5,6	22,4	61,0	71,3
323	ZK 90 x 90	2,0-5,0	90 x 90	5,0	25,0	78,2	87,0
320	ZK 100 x 100	2,0-5,0	100 x 100	5,0	23,0	86,3	97,9
2156	ZK 100 x 100 5-8	5,0-8,0	100 x 100	5,0	23,0	78,6	88,9
321	ZK 120 x 120	3,0-6,5	120 x 120	6,5	28,0	100,5	115,0
324	ZK 140 x 140	2,5-8,0	140 x 140	7,0	28,5	120,0	135,5
325	ZK 150 x 150	5,0-12,0	150 x 150	7,0	28,5	120,0	145,2

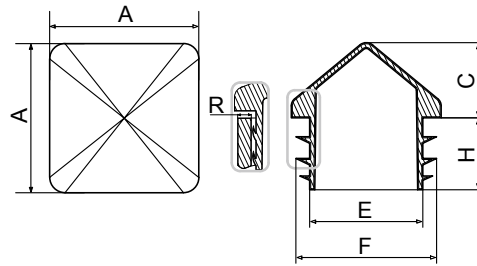
Material: Polyethylene.

Standard Color

RAL 9005 7040 9010



Pyramid plugs for square profiles



ART.NO.	TYPE	R [profile wall thickness]	A x A [mm]	C [mm]	H [mm]	E [mm]	F [mm]
330	ZKK 15 x 15	1,0-2,0	15 x 15	17,0	12,0	10,0	13,4
331	ZKK 20 x 20	1,0-2,0	20 x 20	10,0	14,0	12,9	18,6
334	ZKK 40 x 40	1,5-3,0	40 x 40	13,0	17,0	31,0	37,4
336	ZKK 50 x 50	1,5-3,0	50 x 50	16,0	19,7	40,4	47,0
337	ZKK 60 x 60	1,5-3,0	60 x 60	21,0	18,0	52,7	58,4
332	ZKK 70 x 70	2,0-5,0	70 x 70	18,5	19,3	58,9	67,0
338	ZKK 80 x 80	2,0-5,0	80 x 80	26,0	22,0	67,2	77,4
339	ZKK 100 x 100	2,0-5,0	100 x 100	32,0	23,0	86,3	96,5

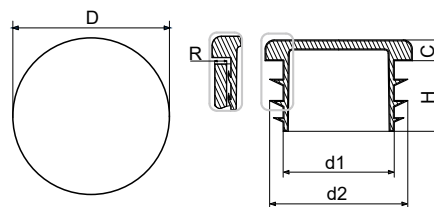
Material: Polyethylene.

Standard Color

RAL 9005 7040 7016



Round tube plugs



ART.NO.	TYPE	R [profile wall thickness]	D [mm]	C [mm]	H [mm]	d1 [mm]	d2 [mm]
527	ZO 10	0,8-1,5	10	3,9	10,5	5,3	8,9
500	ZO 12	0,5-1,5	12	3,0	12,5	7,3	11,5
547	ZO 13	1,0-1,5	13	3,0	10,0	8,0	11,2
501	ZO 14	1,0-1,5	14	3,5	9,9	9,5	12,9

ART.NO.	TYPE	R [profile wall thickness]	D [mm]	C [mm]	H [mm]	d1 [mm]	d2 [mm]
528	ZO 15	1,0-2,5	15	3,5	9,9	8,1	13,5
502	ZO 16	1,0-1,5	16	5,0	12,7	10,3	15,0
503	ZO 18	1,0-1,5	18	5,0	14,3	12,4	17,0
529	ZO 19	1,0-1,5	19	4,0	11,3	12,1	17,8
504	ZO 20	1,0-1,5	20	4,2	12,5	13,5	18,5
531	ZO 21,3 (1/2")	2,5-3,5	21,3	4,6	14,3	12,5	16,8
505	ZO 22	1,0-2,0	22	4,2	13,0	13,0	20,6
506	ZO 25	1,0-2,0	25	4,2	13,0	17,6	23,4
532	ZO 26,9 (3/4")	2,0-3,2	26,9	5,0	20,0	19,4	23,4
507	ZO 27	1,0-2,0	27	5,0	15,0	19,6	25,4
508	ZO 28	1,0-2,0	28	5,0	15,4	19,5	26,4
509	ZO 30	1,0-2,0	30	5,0	15,0	25,0	29,0
510	ZO 32	1,0-2,0	32	5,0	15,0	25,3	30,0
533	ZO 33,7 (1")	2,5-3,2	33,7	5,0	20,0	24,8	28,5
511	ZO 35	1,0-2,0	35	5,0	15,2	25,8	32,8
512	ZO 38	1,5-2,5	38	5,0	14,9	31,5	36,0
513	ZO 40	1,5-2,5	40	5,0	15,0	32,0	30,8
534	ZO 42,4 (1 1/4")	1,5-3,6	42,4	5,0	15,0	33,5	40,8
530	ZO 45	1,0-2,5	45	5,0	14,9	34,5	43,5
535	ZO 48,3 (1 1/2")	2,0-3,6	48,3	5,0	17,5	37,8	45,5
2183	ZO 48,3 (1 1/2") 4	4,0	48,3	5,0	17,5	37,8	41,6
515	ZO 50	1,2-2,5	50	5,0	18,0	42,5	48,5
539	ZO 55	1,0-2,5	55	4,8	18,5	46,3	54,1
516	ZO 60	1,5-3,0	60	5,0	19,5	50,9	58,4
536	ZO 60,3(2")	2,0-3,6	60,3	5,0	18,0	49,0	57,6
514	ZO 65	2,5-4,0	65	5,0	22,1	52,0	60,0
517	ZO 70	1,5-4,0	70	5,0	22,1	59,0	67,2
518	ZO 76	1,5-2,5	76	5,0	21,8	64,0	74,0
537	ZO 76 (2 1/2")	3,0-4,0	76	5,0	22,0	63,7	71,3
520	ZO 80	1,0-4,0	80	5,0	21,3	67,4	78,5
521	ZO 90	1,0-2,5	90	5,0	21,0	78,5	89,6
538	ZO 90 (3")	3,0-5,0	90	5,0	21,0	76,9	86,3
523	ZO 102	1,0-5,0	102	5,0	21,6	88,9	101,0
540	ZO 108	3,0-5,0	108	6,0	29,0	92,4	103,5
546	ZO 114	3,0-5,0	114	6,0	32,5	98,5	108,8
524	ZO 120	2,0-4,0	120	6,2	28,0	106,5	116,5
526	ZO 130	2,0-5,0	130	5,0	31,5	113,0	127,2
2100	ZO 140	2,0-6,5	140	6,0	33,5	124,0	136,3
2101	ZO 150	2,0-7,0	150,7	6,0	33,5	134,0	149,8
2102	ZO 160	2,5-7,5	160	6,0	34,0	142,0	153,0

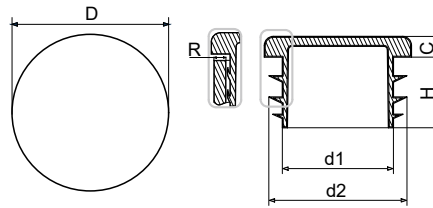
Material: Polyethylene.

Standard Color

RAL 9005 7040 9010



Inch round tube inserts



ART.NO.	TYPE	R [profile wall thickness]	D [mm]	C [mm]	H [mm]	d1 [mm]	d2 [mm]
531	ZO 1/2"	2,5-3,5	21,3	4,6	14,3	12,5	16,8
532	ZO 3/4"	2,0-3,2	26,9	5,0	20,0	19,4	23,4
533	ZO 1"	2,5-3,2	33,7	5,0	20,0	24,8	28,5
534	ZO 1 1/4"	1,5-3,6	42,4	5,0	15,0	33,5	40,8
535	ZO 1 1/2"	2,0-3,6	48,3	5,0	17,5	37,8	45,5
2183	ZO 1 1/2" 4	4,0	48,3	5,0	17,5	37,8	41,6
536	ZO 2"	2,0-3,6	60,3	5,0	19,8	49,7	56,8
537	ZO 2 1/2"	3,0-4,0	76,1	5,0	22,0	63,8	71,3
538	ZO 3"	3,0-5,0	90,2	5,0	21,0	76,6	86,5

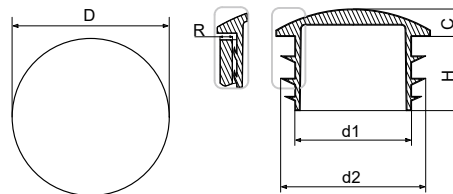
Material: Polyethylene.

Standard Color

RAL 9005 7040 9010



Lenticular round tube plugs



ART.NO.	TYPE	R [profile wall thickness]	D [mm]	C [mm]	H [mm]	d1 [mm]	d2 [mm]
548	ZOR 18	1,0-2,0	18,0	5,0	12,0	13,3	16,8
541	ZOR 20	1,0-2,0	20,0	5,0	11,8	15,5	19,0
585	ZOR 22	1,0-2,0	22,0	5,0	12,0	16,3	20,7
542	ZOR 25	1,0-2,0	25,0	5,0	12,0	18,8	24,0
543	ZOR 28	1,0-2,0	28,0	5,0	14,9	19,5	26,3

ART.NO.	TYPE	R [profile wall thickness]	D [mm]	C [mm]	H [mm]	d1 [mm]	d2 [mm]
525	ZOR 30	1,2-2,5	30,0	5,0	14,0	23,3	28,8
544	ZOR 32	1,2-2,5	32,0	5,0	14,6	26,3	30,2
545	ZOR 40	1,5-2,5	40,0	5,0	15,0	32,0	39,2

Material: Polyethylene.

Standard Color

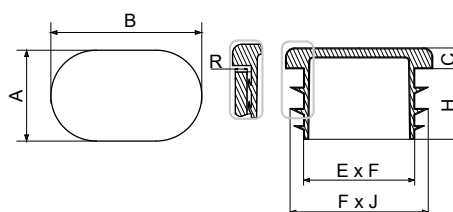
RAL 9005 7040 9010



GROUP ZPOW

Tube plugs

Oval tube inserts



ART.NO.	TYPE	R [profile wall thickness]	A x B [mm]	C [mm]	H [mm]	E x F [mm]	F x J [mm]
460	ZPOW 15 x 30	1,5-2,0	15 x 30	3,0	16,0	8,85 x 23,85	12,32 x 27,5
461	ZPOW 20 x 30	1,0-2,0	20 x 30	3,9	11,9	15,50 x 25,00	18,60 x 28,6
469	ZPOW 20 x 38	1,5-2,0	20 x 38	5,0	11,5	14,00 x 32,30	18,90 x 37,15
462	ZPOW 20 x 40	1,5-2,0	20 x 40	5,0	11,7	14,70 x 34,20	18,77 x 38,90
463	ZPOW 30 x 50	1,5-2,0	30 x 50	5,0	11,5	21,1 x 42,9	27,90 x 49,0
464	ZPOW 30 x 60	1,2-3,0	30 x 60	5,0	16,2	21,43 x 52,09	27,82 x 58,33

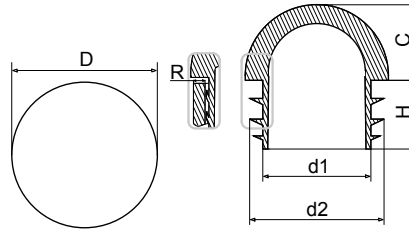
Material: Polyethylene.

Standard Color

RAL 9005 7040 9010



Semicircular round tube plugs



ART.NO.	TYPE	R [profile wall thickness]	D [mm]	C [mm]	H [mm]	d1 [mm]	d2 [mm]
960	ZORR 16	1,2-2,5	16,0	7,3	12,0	10,0	14,8
553	ZORR 20	1,5-2,5	20,0	10,0	15,5	12,0	18,3
961	ZORR 22	1,5-2,5	22,0	10,8	16,2	16,2	19,6
962	ZORR 25	1,5-2,5	25,0	11,5	15,9	17,1	23,6
963	ZORR 32	1,2-2,5	32,0	16,0	20,0	26,3	30,2
551	ZORR 42,4 (1 1/4")	3,2-4,2	42,4	21,2	25,2	32,4	36,6
552	ZORR 48,3 (1 1/2")	1,5-2,5	48,3	24,1	25,0	38,2	42,4
554	ZORR 50	1,5-2,5	49,8	25,5	29,5	39,0	47,2
555	ZORR 60	1,5-4,0	60,3	30,1	37,5	49,0	57,5

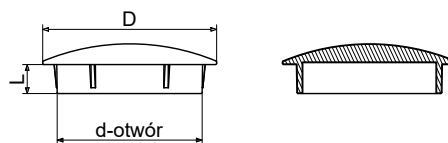
Material: Polyethylene.

Standard Color

RAL 9005 7040 9010



Hole plugs



ART.NO.	TYPE	FOR HOLES D [mm]	D [mm]	L [mm]
570	ZDO 12 x 3	3,0	12,0	6,0
583	ZDO 8 x 4	4,0	8,0	3,0
571	ZDO 8 x 5	5,0	8,0	5,0
572	ZDO 10 x 6	6,0	10,0	5,4
573	ZDO 13 x 6	6,0	13,0	5,4

ART.NO.	TYPE	FOR HOLES D [mm]	D [mm]	L [mm]
574	ZDO 10 x 7	7,0	10,0	6,0
575	ZDO 13 x 8	8,0	13,0	6,0
576	ZDO 13 x 9	9,0	13,0	6,2
577	ZDO 13 x 10	10,0	13,0	6,3
964	ZDO 13 x 10 x 4,5	10,0	13,0	4,5
578	ZDO 14 x 11	11,0	14,0	6,3
579	ZDO 15 x 12	12,0	15,0	8,6
580	ZDO 16 x 13	13,0	16,0	6,9
581	ZDO 18 x 15	15,0	18,0	7,0
2103	ZDO 19,5 x 15	15,0	19,5	7,0
2104	ZDO 20 x 17	17,0	20,0	10,0
584	ZDO 24 x 17	17,0	24,5	6,0
582	ZDO 24 x 20	20,0	24,0	10,0
598	ZDO 30 x 25	25,0	30,0	5,0
599	ZDO 36 x 30	30,0	36,0	10,0

Material: Polyethylene.

Standard Color

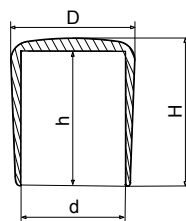
RAL 9005 7040 9010



GROUP ZZO

Tube plugs

Caps for round tubes



ART.NO.	TYPE	d [mm]	H [mm]	h [mm]	D [mm]
549	ZZO 3	2,95	8,8	7,4	5,2
556	ZZO 4	3,9	8,9	7,5	5,0
557	ZZO 5	4,9	11,5	9,2	6,8
558	ZZO 6	5,9	14,0	11,2	8,3
586	ZZO 6/PCV	5,9	14,0	11,2	8,3
559	ZZO 8	7,8	15,4	11,9	11,2
587	ZZO 8/PCV	7,8	15,4	11,9	11,2
560	ZZO 10	9,8	16,7	13,3	13,2
588	ZZO 10/PCV	9,8	16,7	13,3	13,2
561	ZZO 12	11,8	17,7	14,3	15,6
562	ZZO 14	13,7	16,0	13,2	17,0

ART.NO.	TYPE	d [mm]	H [mm]	h [mm]	D [mm]
965	ZZO 15	14,9	17,0	13,4	18,6
563	ZZO 16	15,9	22,6	19,8	19,6
3230	ZZO 16/PCV	15,9	22,6	19,8	19,6
564	ZZO 18	17,9	23,7	18,6	21,4
966	ZZO 19	18,8	23,2	19,2	22,3
565	ZZO 20	19,8	24,9	20,4	24,1
566	ZZO 21	21,5	27,1	21,3	23,0
967	ZZO 22	21,8	24,1	20,1	27,6
567	ZZO 25	24,9	27,6	22,8	27,8
568	ZZO 27	26,9	30,3	25,3	29,0
968	ZZO 28	27,9	28,8	23,9	32,8
969	ZZO 30	29,7	29,2	24,2	34,6
569	ZZO 32	31,4	30,7	24,5	36,3
970	ZZO 33,4	33,3	29,7	24,3	39,6
971	ZZO 34	33,9	29,7	24,3	39,5
972	ZZO 35	34,8	29,7	24,3	40,6
973	ZZO 54/PCV	53,1	34,3	25,5	57,5

Material: Polyethylene, option PVC.

Standard Color

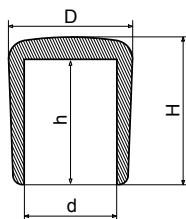
RAL 9005 7040 9010



Tube plugs

GROUP SZO

Caps for round tubes with heightened resistance/ PCV



ART.NO.	TYPE	d [mm]	H [mm]	h [mm]	D [mm]
465	SZO 16	15,9	25,0	20,0	19,0
466	SZO 18	17,9	27,0	22,0	22,0
467	SZO 20	19,9	30,0	24,0	26,0
468	SZO 25	24,9	36,0	29,5	32,0

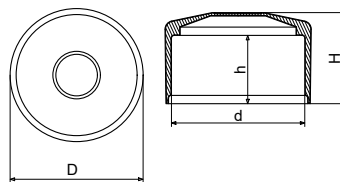
Material: PVC.

Standard Color

RAL 9005



Cap for round fencing posts



ART.NO.	TYPE	d [mm]	D [mm]	H [mm]	h [mm]
590	NSO 38	37,8	42,5	29,8	22,5
597	NSO 40	39,8	46,6	29,8	22,5
594	NSO 42	41,7	46,6	34,4	24,4
591	NSO 1 1/4"	42,4	46,8	33,5	24,3
595	NSO 44,5	44,3	48,8	34,5	24,7
592	NSO 1 1/2"	48,3	53,0	33,0	24,0
596	NSO 51	50,6	53,3	33,0	24,0
593	NSO 2"	59,8	65,0	40,0	27,0
589	NSO 2 1/2"	75,8	79,5	40,0	27,0

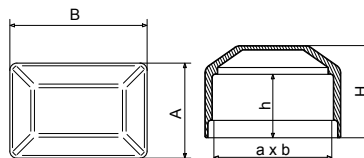
Material: Polyethylene.

Standard Color

RAL 9005 7040 6005 8028 7016



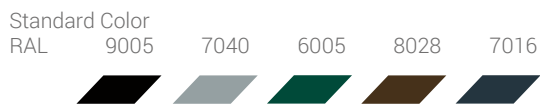
Cup for rectangular fencing posts



ART.NO.	TYPE	a x b [mm]	A x B [mm]	H [mm]	h [mm]
478	NSP 18 x 30	18,0 x 30,0	20,5 x 31,0	24,0	19,0
479	NSP 20 x 30	20,0 x 30,0	23,5 x 33,5	24,0	19,0
480	NSP 40 x 60	40,0 x 60,0	45,0 x 65,0	30,5	21,0

ART.NO.	TYPE	a x b [mm]	A x B [mm]	H [mm]	h [mm]
482	NSP 40 x 80	40,0 x 80,0	45,0 x 85,0	31,2	21,2
481	NSP 60 x 80	60,0 x 80,0	65,0 x 85,0	33,0	21,0

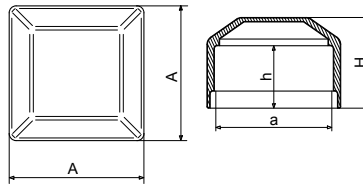
Material: Polyethylene.



Caps

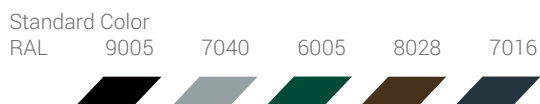
GROUP NSK

Cup for square fencing posts



ART.NO.	TYPE	a [mm]	A [mm]	H [mm]	h [mm]
379	NSK 15	15,0	18,7	21,0	16,0
399	NSK 16	16,0	18,7	21,0	16,0
377	NSK 18	18,0	21,6	21,9	17,0
370	NSK 20	20,0	24,0	24,0	19,0
378	NSK 30	30,0	33,7	19,3	23,8
371	NSK 40	40,0	45,5	32,0	21,0
374	NSK 50	50,0	54,0	27,0	21,0
372	NSK 60	60,0	65,0	31,0	21,0
375	NSK 70	70,0	77,0	35,0	25,0
373	NSK 80	80,0	87,0	36,0	26,0
376	NSK 100	100,0	103,0	31,0	21,0

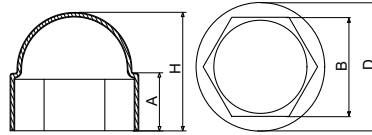
Material: Polyethylene.





Masking caps

Bolt and nut caps



ART.NO.	TYPE	THREAD	B [mm]	D [mm]	H [mm]	A [mm]	WRENCH
600	MS M5	M5	7,9	10,6	9,5	6,0	8
601	MS M6	M6	9,9	13,2	13,4	7,3	10
602	MS M8	M8	12,9	17,6	16,5	8,7	13
603	MS M10	M10	16,9	21,6	20,3	10,1	17
604	MS M12	M12	18,9	23,6	21,9	11,4	19
605	MS M14	M14	21,9	27,4	24,2	12,5	22
606	MS M16	M16	23,9	29,6	27,2	14,0	24
607	MS M18	M18	26,5	33,3	30,3	17,4	27
608	MS M20	M20	29,0	36,5	33,5	18,0	30
609	MS M22	M22	31,3	38,9	36,0	20,0	32
610	MS M24	M24	34,5	43,9	39,3	20,2	36
611	MS M27 H60/A *	M27	41,0	50,0	60,0	24,1	41
612	MS M30	M30	45,8	56,0	51,3	24,8	46
613	MS M33	M33	48,7	59,5	56,2	28,3	50
614	MS M36	M36	54,1	66,0	58,0	29,2	55
615	MS M39	M39	59,5	72,0	61,0	34,6	60
616	MS M42	M42	64,0	76,6	63,1	36,6	64
617	MS M45	M45	68,4	84,0	88,4	34,5	70

Uwaga:

* Typ: **MS M27 H60 *** -custom shape. Technical data p. 24

Materiał: Polietylen.

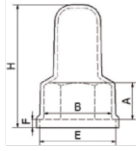
Standard Color

RAL 9005 7040 9010



Bolt and nut elongated cap

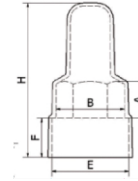
Typ: A



ART.NO.	TYPE
397	MS M12 H44/A
3134	MS M14 H28/A
340	MS M16 H53/A
3203	MS M18 H58/A
2175	MS M22 H70/A *
382	MS M24 H70/A
611	MS M27 H60/A
384	MS M27 H80/A
344	MS M36 H110/A *

Place for washer..

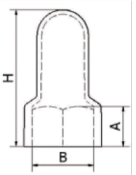
Typ: B



ART.NO.	TYPE
398	MS M12 H54/B 2 x nuts
342	MS M16 H66/B 2 x nuts
3204	MS M18 H73/B 2 x nuts
381	MS M20 H88/B 2 x nuts
343	MS M22 H88/B 2 x nuts *
383	MS M24 H90/B 2 x nuts
385	MS M27 H100/B 2 x nuts
345	MS M36 H138/B 2 x nuts*

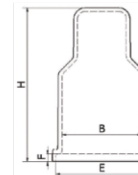
Place for washer..

Typ: C



ART.NO.	TYPE
380	MS M20/C H60
3215	MS M20/C H70

Typ: D



ART.NO.	TYPE
386	MS M30/D H100 2 x nuts

Place for washer..

ART.NO.	TYPE	THREAD	B [mm]	H [mm]	A [mm]	E [mm]	F [mm]	WRENCH
397	MS M12 H44/A	M12	18,9	44,0	11,4	26,0	2,9	19
398	MS M12 H54/B 2 x nuts	M12	18,9	54,0	11,4	26,0	13,0	19
3134	MS M14 H28/A	M14	21,9	28,0	14,0	34,5	8,4	22
340	MS M16 H53/A	M16	24,2	53,0	16,3	33,0	4,0	24
342	MS M16 H66/B 2 x nuts	M16	24,2	66,0	16,3	33,0	17,0	24
3203	MS M18 H58/A	M18	26,5	58,0	21,0	33,4	4,0	27
3204	MS M18 H73/B 2 x nuts	M18	26,5	73,0	21,0	36,5	19,0	27
380	MS M20 H60/C	M20	29,3	65,0	19,0	-	-	30
3215	MS M20/H70/C	M20	29,3	75	29	-	-	30
381	MS M20 H88/B 2 x nuts	M20	29,3	88,0	19,0	35,5	21,5	30
2175	MS M22/A H70 *	M22	32,3	70,0	21,5	42,0	4,0	32
343	MS M22 H88/B 2 x nuts *	M22	32,3	88,0	21,5	42,0	22,0	32
382	MS M24 H70/A	M24	35,2	75,0	21,0	46,6	5,0	36
383	MS M24 H90/B 2 x nuts	M24	35,2	94,0	21,0	46,6	24,0	36
611	MS M27 H60/A	M27	40,0	60,0	24,0	50,0	5,4	41
384	MS M27 H80/A	M27	39,9	83,0	24,0	51,3	5,0	41
385	MS M27 H100/B 2 x nuts	M27	39,9	99,5	24,0	51,3	27,0	41
386	MS M30 H100/D 2 x nuts	M30	51,5	99,5	51,0	59,0	5,0	46
344	MS M36 H110/A *	M36	55,5	110,0	33,6	69,0	6,0	55
345	MS M36 H138/B 2 x nuts *	M36	55,5	138,0	33,6	69,0	33,0	55

Material: Polyethylene.

* Article to be available soon.

- ▶ UV-resistant.
- ▶ effective and durable protection against weather conditions.
- ▶ installation on noise barriers, traffic barriers, lighting poles.

Standard Color

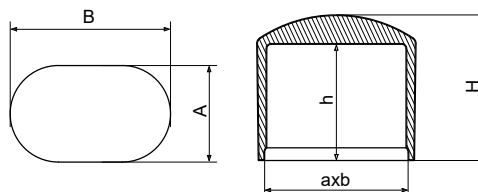
RAL 9005 7040 9010



School furniture accessories



Outside oval pipe plugs



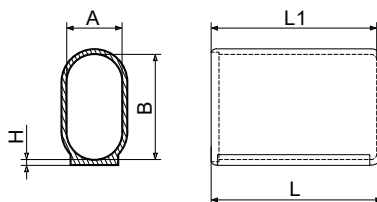
ART.NO.	TYPE	a x b [mm]	A x B [mm]	H [mm]	h [mm]
360	ZZOW 15 x 30	15 x 30	19,0 x 32,0	23,0	20,5
361	ZZOW 20 x 38	20 x 38	23,0 x 41,4	24,6	20,6

Material: Polyethylene.

Standard Color
RAL 9005



Oval pipe sliding covers



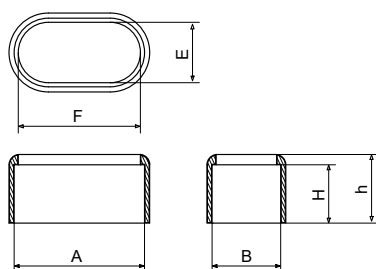
ART.NO.	TYPE	A x B [mm]	H [mm]	L [mm]	L1 [mm]
362	NŚ 20 x 38	20 x 38	3,7	60,0	53,0
363	NŚ 20 x 40	20 x 40	2,4	60,0	53,0
364	NŚ 30 x 50	30 x 50	3,0	70,0	60,0
365	NŚ 30 x 60	30 x 60	3,0	70,0	60,0

Material: Polyethylene.

Standard Color
RAL 9005 7040



Oval pipe adapters for school chairs



ART.NO.	TYPE	A x B [mm]	E x F [mm]	H [mm]	h [mm]
366	ROW 20 x 38	20 x 38	15 x 30	19,8	15,8
367	ROW 20 x 40	20 x 40	15 x 35	19,8	15,8

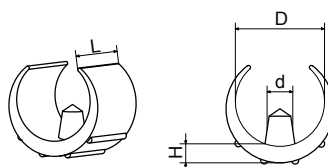
Material: Polyethylene.

Standard Color

RAL 9005 7040



Clamp covers for round pipes



ART.NO.	TYPE	D [TUBE RANGE]	d [mm]	H [mm]	L [mm]
368	NZ 14-16	Ø14-Ø16	5,5	3,5	18,0
369	NZ 16-18	Ø16-Ø18	5,5	3,5	19,0
387	NZ 18-20	Ø18-Ø20	5,5	3,5	20,0
388	NZ 20-22	Ø20-Ø22	5,5	3,5	22,0
389	NZ 22-26	Ø22-Ø26	5,5	4,5	24,8
390	NZ 28-30	Ø28-Ø30	5,5	5,5	30,0

Material: Polyethylene.

Standard Color

RAL 9005



Feet for curved round pipes



ART.NO.	TYPE	D [TUBE RANGE]	L [mm]	B [mm]	H [mm]	h [mm]	d [mm]	A [mm]	A1 [mm]
391	SGO 22/H30	Ø22	71,0	23,0	30,5	6,5	6,0	9,5	42,3
392	SGO 22/H25	Ø22	71,0	27,0	25,8	6,5	6,0	9,5	42,3
393	SGO 25	Ø25	72,5	30,0	30,2	8,3	6,0	9,5	42,3
394	SGO 32	Ø32	75,0	32,5	30,0	8,3	6,0	12,0	28,0
395	SGO 38	Ø38	75,0	32,0	30,0	8,3	6,0	12,0	28,0

Material: Polyethylene.

Standard Color
RAL 9005



Position clamp for metal frame chairs and tables



ART.NO.	TYPE	D [TUBE RANGE]	L [mm]	B [mm]	H [mm]	h [mm]	d [mm]	A1 [mm]
396	SGOW 20 x 38	20 x 38	96,0	23,0	70,0	17,8	70	70

Material: Polyamide.

Standard Color
RAL 9005

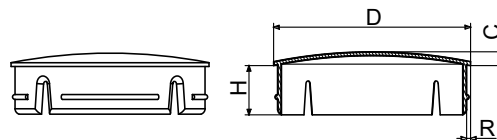


Chrome plated plugs and fittings for furniture feet

 Tulplast®



Round tube plugs metallized



ART.NO.	TYPE	D [tube range (mm)]	R [wall thickness (mm)]	C [mm]	H [mm]
900	ZOM 32 gr 1,2	32	1,2	3,5	11,50
909	ZOM 32 gr 1,5	32	1,5	3,5	11,50
901	ZOM 40 gr 1,2	40	1,2	3,5	12,70
902	ZOM 40 gr 1,5	40	1,5	3,5	12,70
903	ZOM 50 gr 1,0	50	1,0	3,5	12,71
904	ZOM 50 gr 1,2	50	1,2	3,5	12,71
905	ZOM 50 gr 1,5	50	1,5	3,5	12,71
906	ZOM 60 gr 1,0	60	1,0	3,5	12,71
907	ZOM 60 gr 1,2	60	1,2	3,5	12,71
908	ZOM 60 gr 1,5	60	1,5	3,5	12,71

Material: ABS.

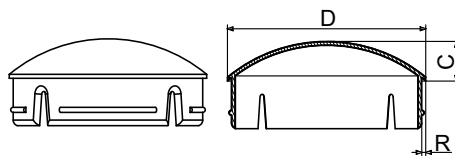
Properties:

- ▶ chrome plated or galvanized plugs provide an attractive finishing of chrome plated tubes,
- ▶ high-gloss metallized plating,
- ▶ design of plug without ribs enables quick and permanent fixing inside tube,
- ▶ available for selected thickness of profile walls.

Use: shop furniture, furniture feet, chrome plated stands.

Standard Color: chrome plated effect..

Plugs with ball head for round tubes metallized



ART.NO.	TYPE	D [tube range (mm)]	R [wall thickness (mm)]	C [mm]	H [mm]
915	ZORM 50 gr 1,0	50	1,0	10,0	12,70
916	ZORM 50 gr 1,2	50	1,2	10,0	12,70
917	ZORM 50 gr 1,5	50	1,5	10,0	12,70

Material: ABS.

Properties:

- ▶ chrome plated or galvanized plugs provide an attractive finishing of chrome plated tubes,
- ▶ high-gloss metallized plating,
- ▶ design of plug without ribs enables quick and permanent fixing inside tube,
- ▶ available for selected thickness of profile walls.

Use: shop furniture, furniture feet, chrome plated stands

Standard Color: chrome plated effect.



Chrome – plated round tube plugs with metal cover



ART.NO.	TYPE	D [tube range (mm)]	R [wall thickness (mm)]	H [mm]
920	ZOCH 25 gr 0,8–1,5	25	0,8–1,5	10,5
921	ZOCH 32 gr 1,0–1,2	32	1,0–1,2	16,0
931	ZOCH 32 gr 1,5	32	1,5	16,0
922	ZOCH 40 gr 1,0	40	1,0	16,0
923	ZOCH 40 gr 1,2	40	1,2	16,0
924	ZOCH 40 gr 1,5	40	1,5	16,0
925	ZOCH 50 gr 1,0	50	1,0	16,0
926	ZOCH 50 gr 1,2	50	1,2	16,0
927	ZOCH 50 gr 1,5	50	1,5	16,0
928	ZOCH 60 gr 1,0–1,2	60	1,0–1,2	16,0
930	ZOCH 60 gr 1,5	60	1,5	16,0

Material: Polyethylene.

Properties:

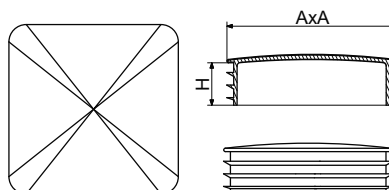
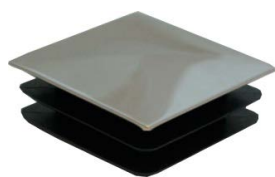
- ▶ plugs with high-gloss polished stainless metal cover,
- ▶ used in furniture industry as an element of metal foot,
- ▶ metal cover with protective film,
- ▶ very firm and effective fixing of stainless metal cover on plug,
- ▶ reliable installation inside tube with use of angled ribs,
- ▶ chrome plated coating makes finished products look more attractive,,
- ▶ available for selected thickness of profile walls,
- ▶ best if not exposed to weather conditions.



Use: shop furniture, furniture feet, chrome plated stands.

Standard Color: polished stainless steel.

Chrome – plated square tube plugs with metal cover

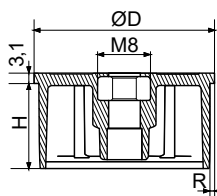


ART.NO.	TYPE	A x A [mm]	R [wall thickness (mm)]	H [mm]
940	ZKCH 20 gr 1,2-1,5	20x20	1,2-1,5	10,5
941	ZKCH 25 gr 1,2-1,5	25x25	1,2-1,5	10,5
942	ZKCH 30 gr 1,2-1,5	30x30	1,2-1,5	12,0
943	ZKCH 40 gr 1,2-1,5	40x40	1,2-1,5	12,0

Material: Polyethylene.

Standard Color: chrome plated effect.

Insert bushing with M8 nut



ART.NO.	TYPE	R [wall thickness (mm)]	D [mm]	H [mm]	REMARK
T080	WW 40 M8 1,0-1,2	1,0-1,2	40,0	24,0	Nut M8
T081	WW 40 M8 1,5	1,5	40,0	24,0	Nut M8
T082	WW 50 M8 1,0	1,0	50,0	24,0	Nut M8
T083	WW 50 M8 1,2	1,2	50,0	24,0	Nut M8
T084	WW 50 M8 1,5	1,5	50,0	24,0	Nut M8
T085	WW 60 M8 1,0	1,0	60,0	24,0	Nut M8
2182	WW 60 M8 1,2	1,2	60,0	24,0	Nut M8

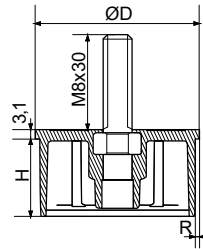
Stoff: Polypropylen

Use: during production of furniture feet, insert bushing allows to omit the process of welding of a metal plate inside a tube.

Standard Color
RAL 9005



Insert bushing with M8 bolt



ART.NO.	TYPE	R [wall thickness (mm)]	D [mm]	H [mm]	REMARK
T086	WW 40 M8x30 1,0-1,2	1,0-1,2	40,0	24,0	Thread M8x30
T087	WW 40 M8x30 1,5	1,5	40,0	24,0	Thread M8x30
T088	WW 50 M8x30 1,0	1,0	50,0	24,0	Thread M8x30
T089	WW 50 M8x30 1,2	1,2	50,0	24,0	Thread M8x30
T090	WW 50 M8x30 1,5	1,5	50,0	24,0	Thread M8x30
T330	WW 60 M8x30 1,0	1,0	60,0	24,0	Thread M8x30
T091	WW 60 M8x30 1,2	1,2	60,0	24,0	Thread M8x30

Stoff: Polypropylen

Use: during production of furniture feet, insert bushing allows to omit the process of welding of a metal plate inside a tube.

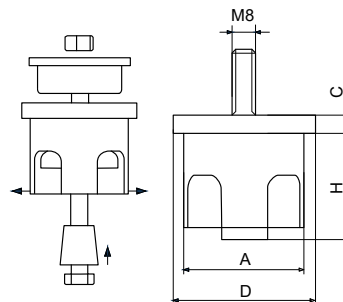
Standard Color
RAL 9005



GROUP WR

Universal bushings for production of furniture feet

Expander bushing for round tube Ø50 / Ø60 /



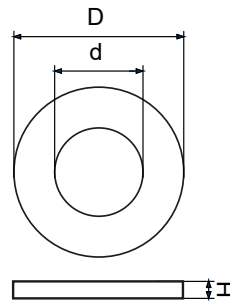
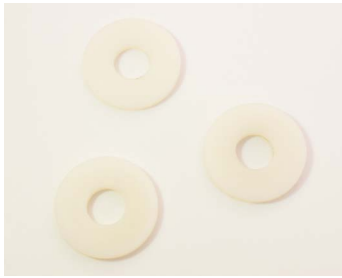
ART.NO.	TYPE	A [mm]	C [mm]	H [mm]	D [mm]
T052	WR-50	47,3	7,5	38,6	56,4
T053	WR-60	57,0	7,5	38,6	65,7

Material: Polyamide.

Standard Color
RAL 9005



Round pad



ART.NO.	TYPE	D [mm]	H [mm]	d [mm]	FOR THREAD
T200	PO 6 x 2,5 x 0,5	6,0	0,5	2,5	M2,3
T201	PO 6 x 2,7 x 0,5	6,0	0,5	2,7	M2,5
T202	PO 6 x 3,2 x 0,5	6,0	0,5	3,2	M3
T203	PO 6 x 2,5 x 1,0	6,0	1,0	2,5	M2,3
T204	PO 6 x 2,7 x 1,0	6,0	1,0	2,7	M2,5
T205	PO 6 x 3,2 x 1,0	6,0	1,0	3,2	M3
T206	PO 6 x 2,5 x 2,0	6,0	2,0	2,5	M2,3
T207	PO 6 x 2,7 x 2,0	6,0	2,0	2,7	M2,5
T208	PO 6 x 3,2 x 2,0	6,0	2,0	3,2	M3
T209	PO 8 x 2,7 x 0,5	8,0	0,5	2,7	M2,5
T210	PO 8 x 3,2 x 0,5	8,0	0,5	3,2	M3
T211	PO 8 x 4,3 x 0,5	8,0	0,5	4,3	M4
T212	PO 8 x 5,3 x 0,5	8,0	0,5	5,3	M5
T213	PO 8 x 2,7 x 1,0	8,0	1,0	2,7	M2,5
T214	PO 8 x 3,2 x 1,0	8,0	1,0	3,2	M3
T215	PO 8 x 4,3 x 1,0	8,0	1,0	4,3	M4
T216	PO 8 x 5,3 x 1,0	8,0	1,0	5,3	M5
T217	PO 8 x 2,7 x 1,5	8,0	1,5	2,7	M2,5
T218	PO 8 x 3,2 x 1,5	8,0	1,5	3,2	M3
T219	PO 8 x 4,3 x 1,5	8,0	1,5	4,3	M4
T220	PO 8 x 5,3 x 1,5	8,0	1,5	5,3	M5
T221	PO 10 x 5,3 x 1,0	10,0	1,0	5,3	M5
T222	PO 12 x 4,3 x 1,0	12,0	1,0	4,3	M4
T223	PO 12 x 5,3 x 1,0	12,0	1,0	5,3	M5
T224	PO 12 x 6,3 x 1,0	12,0	1,0	6,3	M6
T225	PO 12 x 4,3 x 1,5	12,0	1,5	4,3	M4
T226	PO 12 x 5,3 x 1,5	12,0	1,5	5,3	M5
T228	PO 12 x 6,3 x 1,5	12,0	1,5	6,3	M6
T258	PO 12 x 8,4 x 1,5	12,0	1,5	8,4	M8
T229	PO 12 x 4,3 x 2,0	12,0	2,0	4,3	M4
T230	PO 12 x 5,3 x 2,0	12,0	2,0	5,3	M5
T231	PO 12 x 6,3 x 2,0	12,0	2,0	6,3	M6

ART.NO.	TYPE	D [mm]	H [mm]	d [mm]	FOR THREAD
T259	PO 15 x 8,4 x 1,0	15,0	1,0	8,4	M8
T232	PO 15 x 5,3 x 1,6	15,0	1,6	5,3	M5
T233	PO 15 x 6,3 x 1,6	15,0	1,6	6,3	M6
T234	PO 15 x 8,4 x 1,6	15,0	1,6	8,4	M8
T235	PO 15 x 5,3 x 1,7	15,0	1,7	5,3	M5
T236	PO 15 x 6,3 x 1,7	15,0	1,7	6,3	M6
T237	PO 15 x 8,4 x 1,7	15,0	1,7	8,4	M8
T238	PO 17 x 8,4 x 1,6	17,0	1,6	8,4	M8
T239	PO 17 x 8,4 x 1,7	17,0	1,7	8,4	M8
T240	PO 17 x 8,4 x 2,0	17,0	2,0	8,4	M8
T260	PO 19 x 8,4 x 1,5	19,0	1,5	8,4	M8
T261	PO 19 x 8,4 x 2,0	19,0	2,0	8,4	M8
T243	PO 22 x 8,4 x 2,0	22,0	2,0	8,4	M8
T244	PO 22 x 10,5 x 2,0	22,0	2,0	10,5	M10
T245	PO 22 x 13,0 x 2,0	22,0	2,0	13,0	M12
T246	PO 22 x 8,4 x 2,5	22,0	2,5	8,4	M8
T247	PO 22 x 10,5 x 2,5	22,0	2,5	10,5	M10
T248	PO 22 x 13,0 x 2,5	22,0	2,5	13,0	M12
T249	PO 22 x 8,4 x 3,0	22,0	3,0	8,4	M8
T250	PO 22 x 10,5 x 3,0	22,0	3,0	10,5	M10
T251	PO 22 x 13,0 x 3,0	22,0	3,0	13,0	M12
T262	PO 25 x 8,4 x 1,5	25,0	1,5	8,4	M8
T252	PO 25 x 8,4 x 2,0	25,0	2,0	8,4	M8
T253	PO 25 x 10,5 x 2,0	25,0	2,0	10,5	M10
T254	PO 25 x 13,0 x 2,0	25,0	2,0	13,0	M12
T255	PO 25 x 8,4 x 2,5	25,0	2,5	8,4	M8
T256	PO 25 x 10,5 x 2,5	25,0	2,5	10,5	M10
T257	PO 25 x 13,0 x 2,5	25,0	2,5	13,0	M12

Material: Polyamide.

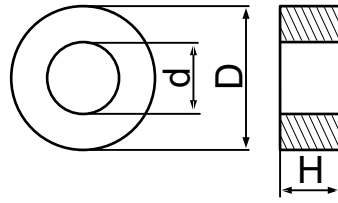
Any height and other hole can be ordered.

Properties:

- ▶ high resistance to abrasion and temperature,
- ▶ resistance to oils, lubricants, fuels, moisture,
- ▶ provides element insulation.

Standard Color: natural.

Spacer plate



ART.NO.	TYPE	D [mm]	H [mm]	d [mm]
	PD6xHxd	6	2,5-30	von M2,3 bis M3
	PD8xHxd	8	2,5-30	von M2,3 bis M5
	PD10xHxd	10	2,5-30	M5
	PD12xHxd	12	2,5-30	von M4 bis M6
	PD15xHxd	15	2,5-30	von M5 bis M8
	PD17xHxd	17	2,5-30	M8
	PD20xHxd	20	2,5-30	von M10 bis M12
	PD22xHxd	22	2,5-30	von M8 bis M12
	PD25xHxd	25	2,5-30	von M8 bis M12
T404	PD12x2,5x6,4	12	2,5	6,4

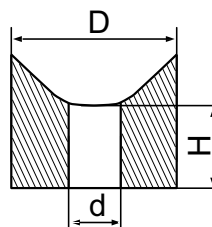
Material: Polyethylene.

Any height between 2.5mm and 30mm can be ordered.

Standard Color
RAL 9005



Seat-shaped washer for connecting a pipe to a plane



Material: Polyethylene.

Available for tubes Ø12 to Ø42. Exact dimensions on a request.

Standard Color
RAL 9005



Seat-shaped washer for connecting two parallel tubes



Material: Polyethylene.

Available for tubes $\varnothing 12$ to $\varnothing 42$. Exact dimensions on a request.

Standard Color
RAL 9005



Seat-shaped washer for connecting two perpendicular tubes



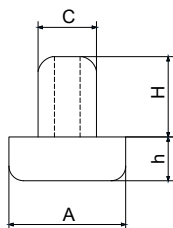
Material: Polyethylene.

Available for tubes $\varnothing 12$ to $\varnothing 42$. Exact dimensions on a request.

Standard Color
RAL 9005



Round furniture glide with pin



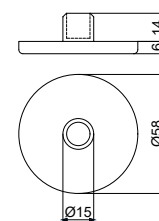
ART.NO.	TYPE	A [mm]	C [mm]	D [mm]	H [mm]
T017	S-18/B	16	8	6	11
T018	S-18/C	15	4,3	4,5	9,5

Material: Polypropylene.

Standard Color
RAL 9005



Round furniture glide with pin



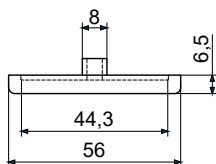
ART.NO.	TYPE
T020	S-18

Material: Polypropylene.

Standard Color
RAL 9005



Round furniture glide with pin



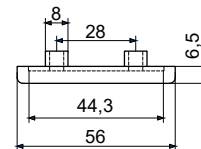
ART.NO.	TYPE
T021	S-52/A

Material: Polypropylene.

Standard Color
RAL 9005



Round foot with pins



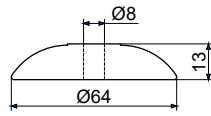
ART.NO.	TYPE
T022	S-52/B

Material: Polypropylene.

Standard Color
RAL 9005



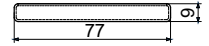
Support for metal feet



ART.NO.	TYPE
T035	S-30/A

Material: Polypropylene.

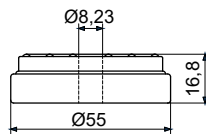
Standard Color
RAL 9005



ART.NO.	TYPE
T036	S-30/B

Material: Polypropylene.

Standard Color
RAL 9005



ART.NO.	TYPE
T037	S-30/C

Material: Polypropylene.

Standard Color
RAL 9005

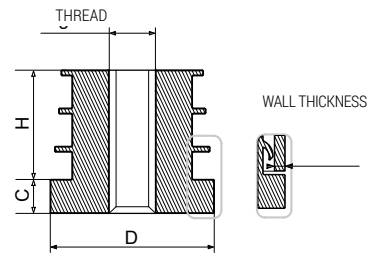


Adjusting feet
Hand knobs
Threaded inserts

 Tulplast®



Round threaded tube inserts



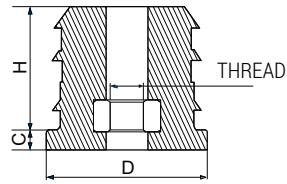
ART.NO.	TYPE	THREAD	A [mm]	WALL THICKNESS [mm]	H [mm]	C [mm]
700	WGOT 20	M8	20	1,0-1,25	20,0	6,2
701	WGOT 20	M8	20	1,5	20,0	6,2
702	WGOT 20	M10	20	1,0-1,25	20,0	6,2
703	WGOT 20	M10	20	1,5	20,0	6,2
704	WGOT 25	M8	25	1,0-1,25	20,0	6,2
705	WGOT 25	M8	25	1,5	20,0	6,2
706	WGOT 25	M10	25	1,0-1,25	20,0	6,2
707	WGOT 25	M10	25	1,5	20,0	6,2
708	WGOT 30	M8	30	1,0-1,25	20,0	6,2
709	WGOT 30	M8	30	1,5	20,0	6,2
710	WGOT 30	M8	30	2,0	20,0	6,2
711	WGOT 30	M10	30	1,0-1,25	20,0	6,2
712	WGOT 30	M10	30	1,5	20,0	6,2
713	WGOT 30	M10	30	2,0	20,0	6,2
714	WGOT 32	M8	32	1,0-1,2	20,0	6,2
715	WGOT 32	M10	32	1,0-1,2	20,0	6,2
720	WGOT 40	M8	40	1,0-1,5	20,0	6,2
721	WGOT 40	M8	40	2,0	20,0	6,2
724	WGOT 40	M10	40	1,0-1,5	20,0	6,2
725	WGOT 40	M10	40	2,0	20,0	6,2

Material: Polyamide.

Standard Color
RAL 9005



Round tube insert with metal thread



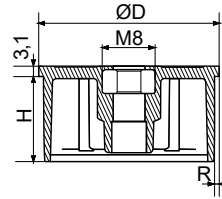
ART.NO.	TYPE	THREAD	A [mm]	WALL THICKNESS [mm]	H [mm]	C [mm]
779	WGOM25	M8	25	1,5-2,0	25,0	5
780	WGOM30	M8	30	1,5	25,5	4
781	WGOM30	M10	30	1,5	25,5	4
782	WGOM32	M8	32	1,5	25,5	4
783	WGOM32	M10	32	1,5	25,5	4
784	WGOM35	M8	35	1,5	25,5	4
785	WGOM35	M10	35	1,5	25,5	4
786	WGOM40	M8	40	1,2-1,5	25,0	5
787	WGOM40	M10	40	1,2-1,5	25,0	5
798	WGOM40	M10	40	2,0-2,5	25,0	5

Material: Polyamide.

Standard Color
RAL 9005



Insert bushing with M8 nut



ART.NO.	TYPE	R [PROFILE WALL THICKNESS]	D [mm]	H [mm]	REMARK
T080	WW 40 M8 1,0-1,2	1,0-1,2	40,0	24,0	Nut M8
T081	WW 40 M8 1,5	1,5	40,0	24,0	Nut M8
T082	WW 50 M8 1,0	1,0	50,0	24,0	Nut M8
T083	WW 50 M8 1,2	1,2	50,0	24,0	Nut M8
T084	WW 50 M8 1,5	1,5	50,0	24,0	Nut M8
T085	WW 60 M8 1,0	1,0	60,0	24,0	Nut M8
2182	WW 60 M8 1,2	1,2	60,0	24,0	Nut M8

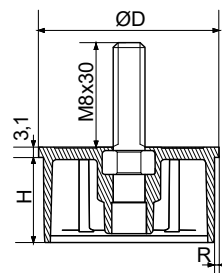
Material: Polypropylene.

Use: during production of furniture feet, insert bushing allows to omit the process of welding of a metal plate inside a tube.

Standard Color
RAL 9005



Insert bushing with M8 bolt



ART.NO.	TYPE	R [PROFILE WALL THICKNESS]	D [mm]	H [mm]	REMARK
T086	WW 40 M8x30 1,0-1,2	1,0-1,2	40,0	24,0	THREAD M8x30
T087	WW 40 M8x30 1,5	1,5	40,0	24,0	THREAD M8x30
T088	WW 50 M8x30 1,0	1,0	50,0	24,0	THREAD M8x30
T089	WW 50 M8x30 1,2	1,2	50,0	24,0	THREAD M8x30
T090	WW 50 M8x30 1,5	1,5	50,0	24,0	THREAD M8x30

ART.NO.	TYPE	R [PROFILE WALL THICKNESS]	D [mm]	H [mm]	REMARK
T330	WW 60 M8x30 1,0	1,0	60,0	24,0	THREAD M8x30
T091	WW 60 M8x30 1,2	1,2	60,0	24,0	THREAD M8x30

Material: Polypropylene.

Use of insert bushing: during production of furniture feet, insert bushing allows to omit the process of welding.

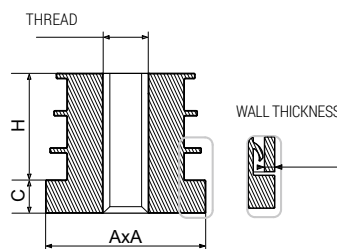
Standard Color
RAL 9005



Threaded inserts

GROUP WGKT

Square threaded tube inserts PA



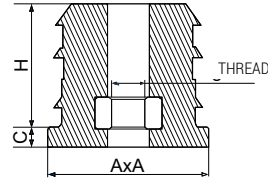
ART.NO.	TYPE	THREAD	A [mm]	WALL THICKNESS [mm]	H [mm]	C [mm]
730	WGKT 20	M8	20	1,0-1,25	20,0	6,2
731	WGKT 20	M8	20	1,5	20,0	6,2
732	WGKT 20	M10	20	1,0-1,25	20,0	6,2
733	WGKT 20	M10	20	1,5	20,0	6,2
734	WGKT 25	M8	25	1,0-1,25	20,0	6,2
735	WGKT 25	M8	25	1,5	20,0	6,2
736	WGKT 25	M10	25	1,0-1,25	20,0	6,2
737	WGKT 25	M10	25	1,5	20,0	6,2
738	WGKT 30	M8	30	1,0-1,25	20,0	6,2
739	WGKT 30	M8	30	1,5	20,0	6,2
740	WGKT 30	M8	30	2,0	20,0	6,2
741	WGKT 30	M10	30	1,0-1,25	20,0	6,2
742	WGKT 30	M10	30	1,5	20,0	6,2
743	WGKT 30	M10	30	2,0	20,0	6,2
750	WGKT 40	M8	40	1,0-1,5	20,0	6,2
751	WGKT 40	M8	40	2,0	20,0	6,2
754	WGKT 40	M10	40	1,0-1,5	20,0	6,2
755	WGKT 40	M10	40	2,0	20,0	6,2

Material: Polyamide.

Standard Color
RAL 9005



Square threaded tube inserts with metal thread/reinforced PA



ART.NO.	TYPE	THREAD	A [mm]	WALL THICKNESS [mm]	H [mm]	C [mm]
760	WGKM 30	M8	30	1,2-2,0	30,0	5,0
761	WGKM 30	M10	30	1,2-2,0	30,0	5,0
762	WGKM 40	M8	40	1,5-2,0	30,0	5,0
763	WGKM 40	M10	40	1,5-2,0	30,0	5,0

Material: Polyamide.

Comes with a metal nut for self-assembling.

Standard Color
RAL 9005



Adjustable feet Ø30



ART.NO.	TYPE	FOOT	THREAD	H [mm]
620	SR-01 M8 x 15	Ø30	M8	15
621	SR-01 M8 x 20	Ø30	M8	20
622	SR-01 M8 x 25	Ø30	M8	25
623	SR-01 M8 x 30	Ø30	M8	30
624	SR-01 M8 x 35	Ø30	M8	35
625	SR-01 M8 x 40	Ø30	M8	40
626	SR-01 M8 x 45	Ø30	M8	45
627	SR-01 M8 x 50	Ø30	M8	50
628	SR-01 M8 x 60	Ø30	M8	60
629	SR-01 M8 x 65	Ø30	M8	65
630	SR-01 M8 x 105	Ø30	M8	105
640	SR-01 M8 x 115	Ø30	M8	115
631	SR-01 M10 x 15	Ø30	M10	15
632	SR-01 M10 x 20	Ø30	M10	20
633	SR-01 M10 x 25	Ø30	M10	25
634	SR-01 M10 x 30	Ø30	M10	30
635	SR-01 M10 x 35	Ø30	M10	35
636	SR-01 M10 x 40	Ø30	M10	40
637	SR-01 M10 x 45	Ø30	M10	45
641	SR-01 M10 x 55	Ø30	M10	55
639	SR-01 M10 x 60	Ø30	M10	60
642	SR-01 M10 x 105	Ø30	M10	105

Material: Polypropylene.

Various lengths of bolts M8 and M10.

Standard Color
RAL 9005



Non-tilt screwed adjustable feet (rotary base) Ø25



ART.NO.	TYPE	FOOT	THREAD	H [mm]
765	SR-02 M8 x 20	Ø25	M8	20
766	SR-02 M8 x 30	Ø25	M8	30
767	SR-02 M8 x 40	Ø25	M8	40
768	SR-02 M10 x 20	Ø25	M10	20
769	SR-02 M10 x 30	Ø25	M10	30
770	SR-02 M10 x 40	Ø25	M10	40

Material: Polypropylene.

Various lengths of bolts M8 and M10.

Standard Color
RAL 9005



Non-tilt screwed adjustable feet (rotary base) Ø30 / Ø40 / Ø50



ART.NO.	TYPE	FOOT	THREAD	H [mm]
880	SR-03 Ø30 M8 x 20	Ø30	M8	20
881	SR-03 Ø30 M8 x 30	Ø30	M8	30
882	SR-03 Ø30 M8 x 40	Ø30	M8	40
883	SR-03 Ø30 M8 x 50	Ø30	M8	50
771	SR-03 Ø40 M8 x 20	Ø40	M8	20

ART.NO.	TYPE	FOOT	THREAD	H [mm]
772	SR-03 Ø40 M8 x 30	Ø40	M8	30
773	SR-03 Ø40 M8 x 40	Ø40	M8	40
774	SR-03 Ø40 M8 x 50	Ø40	M8	50
775	SR-03 Ø50 M8 x 20	Ø50	M8	20
776	SR-03 Ø50 M8 x 30	Ø50	M8	30
777	SR-03 Ø50 M8 x 40	Ø50	M8	40
778	SR-03 Ø50 M8 x 50	Ø50	M8	50

Material: Polypropylene.

Various lengths of bolt M8.

Standard Color
RAL 9005



Adjustable feet

GROUP SR03/N

Non-tilt riveted adjustable feet (rotary base) Ø30 / Ø40 / Ø50



ART.NO.	TYPE	FOOT	THREAD	H [mm]
884	SR-03/N Ø30 M10 x 30	Ø30	M10	30
885	SR-03/N Ø30 M10 x 40	Ø30	M10	40
886	SR-03/N Ø30 M10 x 50	Ø30	M10	50
887	SR-03/N Ø30 M10 x 60	Ø30	M10	60
788	SR-03/N Ø40 M10 x 30	Ø40	M10	30
789	SR-03/N Ø40 M10 x 40	Ø40	M10	40
790	SR-03/N Ø40 M10 x 50	Ø40	M10	50
791	SR-03/N Ø40 M10 x 60	Ø40	M10	60
792	SR-03/N Ø50 M10 x 30	Ø50	M10	30
793	SR-03/N Ø50 M10 x 40	Ø50	M10	40
794	SR-03/N Ø50 M10 x 50	Ø50	M10	50
795	SR-03/N Ø50 M10 x 60	Ø50	M10	60

Material: Polypropylene.

Various lengths of bolt M10.

Standard Color
RAL 9005



Non-tilt metal adjustable feet (rotary base Ø30 / Ø48)



ART.NO.	TYPE	FOOT	THREAD	H [mm]
888	SR-04 Ø30 M10 x 30	Ø30	M10	30
889	SR-04 Ø30 M10 x 40	Ø30	M10	40
890	SR-04 Ø30 M10 x 50	Ø30	M10	50
891	SR-04 Ø30 M10 x 60	Ø30	M10	60
892	SR-04 Ø30 M10 x 80	Ø30	M10	80
665	SR-04 Ø48 M10 x 30	Ø48	M10	30
666	SR-04 Ø48 M10 x 40	Ø48	M10	40
667	SR-04 Ø48 M10 x 50	Ø48	M10	50
668	SR-04 Ø48 M10 x 60	Ø48	M10	60
669	SR-04 Ø48 M10 x 80	Ø48	M10	80

Material: galvanized steel.

Various lengths of bolt M10.

Standard Color: galvanized.

Tilt adjustable feet Ø25



ART.NO.	TYPE	FOOT	THREAD	H [mm]
662	SR-05 M8 x 20	Ø25	M8	20
663	SR-05 M8 x 27	Ø25	M8	27
664	SR-05 M8 x 40	Ø25	M8	40

Material: Polypropylene.

Various lengths of bolt M8.

Standard Color
RAL 9005



Tilt adjustable feet Ø50



ART.NO.	TYPE	FOOT	THREAD	H [mm]
796	SR-06 M12 x 40	Ø50	M12	40
797	SR-06 M12 x 60	Ø50	M12	60
2157	SR-06 M12 x 80	Ø50	M12	80
2158	SR-06 M12 x 100	Ø50	M12	100

Material: Polypropylene.

Properties:

- ▶ various lengths of bolt M12,
- ▶ foot with diameter of 30 mm can be ordered.

Standard Color
RAL 9005



Adjustable foot Ø30



ART.NO.	TYPE	FOOT	THREAD	H [mm]
650	SR-07 M6 x 06	Ø30	M6	06
651	SR-07 M6 x 08	Ø30	M6	08
652	SR-07 M6 x 15	Ø30	M6	15
653	SR-07 M6 x 20	Ø30	M6	20
654	SR-07 M6 x 25	Ø30	M6	25
670	SR-07 M6 x 30	Ø30	M6	30
671	SR-07 M6 x 45	Ø30	M6	45
655	SR-07 M8 x 15	Ø30	M8	15
656	SR-07 M8 x 20	Ø30	M8	20
657	SR-07 M8 x 25	Ø30	M8	25
658	SR-07 M8 x 30	Ø30	M8	30
659	SR-07 M8 x 40	Ø30	M8	40
660	SR-07 M8 x 45	Ø30	M8	45
661	SR-07 M8 x 60	Ø30	M8	60

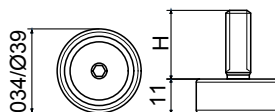
Material: Polypropylene.

Various lengths of bolts M6 and M8.

Standard Color
RAL 9005



Adjustable feet Ø34/Ø39



ART.NO.	TYPE	FOOT	THREAD	H [mm]
980	SR-08 Ø34 M8 x 20	Ø34	M8	20
981	SR-08 Ø34 M8 x 35	Ø34	M8	35
982	SR-08 Ø34 M8 x 45	Ø34	M8	45
983	SR-08 Ø39 M8 x 20	Ø39	M8	20
984	SR-08 Ø39 M8 x 35	Ø39	M8	35
985	SR-08 Ø39 M8 x 45	Ø39	M8	45

Material: ABS.

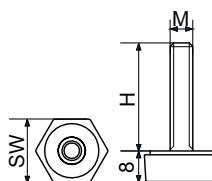
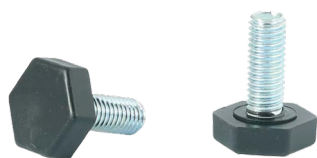
Various lengths of bolt M8.

Standard Color
RAL 9005



NEW

Hexagonal adjustable feet SW19 / SW24



ART.NO.	TYPE	FOOT	THREAD	H [mm]
1409	SR-09 SW19 M6 x 20	SW19	M6	20
1410	SR-09 SW19 M6 x 30	SW19	M6	30
1411	SR-09 SW19 M6 x 40	SW19	M6	40
1412	SR-09 SW19 M8 x 20	SW19	M8	20
1413	SR-09 SW19 M8 x 30	SW19	M8	30
1414	SR-09 SW19 M8 x 40	SW19	M8	40

ART.NO.	TYPE	FOOT	THREAD	H [mm]
1400	SR-09 SW24 M6 x 20	SW24	M6	20
1401	SR-09 SW24 M6 x 30	SW24	M6	30
1402	SR-09 SW24 M6 x 40	SW24	M6	40
1403	SR-09 SW24 M8 x 20	SW24	M8	20
1404	SR-09 SW24 M8 x 30	SW24	M8	30
1405	SR-09 SW24 M8 x 40	SW24	M8	40
1406	SR-09 SW24 M10 x 20	SW24	M10	20
1407	SR-09 SW24 M10 x 30	SW24	M10	30
1408	SR-09 SW24 M10 x 40	SW24	M10	40

Material: Polypropylene.

Various lengths of bolts M6, M8 and M10.

Standard Color
RAL 9005



GROUP SR10

Adjustable feet

NEW

Knurled feet Ø20 / Ø25



ART.NO.	TYPE	FOOT	THREAD	H [mm]
1420	SR-10 Ø20 M6 x 20	Ø20	M6	20
1421	SR-10 Ø20 M6 x 30	Ø20	M6	30
1422	SR-10 Ø20 M6 x 40	Ø20	M6	40
1423	SR-10 Ø20 M8 x 20	Ø20	M8	20
1424	SR-10 Ø20 M8 x 30	Ø20	M8	30
1425	SR-10 Ø20 M8 x 40	Ø20	M8	40
1429	SR-10 Ø25 M6 x 20	Ø25	M6	20
1430	SR-10 Ø25 M6 x 30	Ø25	M6	30
1431	SR-10 Ø25 M6 x 40	Ø25	M6	40
1432	SR-10 Ø25 M8 x 20	Ø25	M8	20
1433	SR-10 Ø25 M8 x 30	Ø25	M8	30
1434	SR-10 Ø25 M8 x 40	Ø25	M8	40

ART.NO.	TYPE	FOOT	THREAD	H [mm]
1435	SR-10 Ø25 M10 x 20	Ø25	M10	20
1436	SR-10 Ø25 M10 x 30	Ø25	M10	30
1437	SR-10 Ø25 M10 x 40	Ø25	M10	40

Material: Polypropylene.

Various lengths of bolts M6, M8 and M10.

Standard Color
RAL 9005



NEW

Adjustable feet

GROUP SR11

Adjustable feet Ø30



ART.NO.	TYPE	FOOT	THREAD	H [mm]
1440	SR-11 Ø30 M6 x 20	Ø30	M6	20
1441	SR-11 Ø30 M6 x 30	Ø30	M6	30
1442	SR-11 Ø30 M6 x 40	Ø30	M6	40
1443	SR-11 Ø30 M8 x 20	Ø30	M8	20
1444	SR-11 Ø30 M8 x 30	Ø30	M8	30
1445	SR-11 Ø30 M8 x 40	Ø30	M8	40
1446	SR-11 Ø30 M10 x 20	Ø30	M10	20
1447	SR-11 Ø30 M10 x 30	Ø30	M10	30
1448	SR-11 Ø30 M10 x 40	Ø30	M10	40
1449	SR-11 Ø30 M10 x 50	Ø30	M10	50

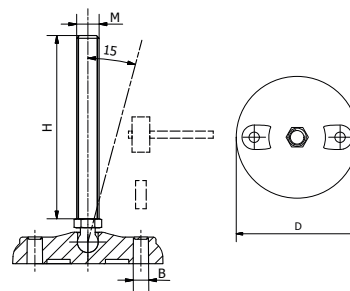
Material: Polypropylene.

Various lengths of bolts M6, M8 and M10.

Standard Color
RAL 9005



Industrial joint feet Ø80, Ø105, Ø130



Properties:

- ▶ resistance to oils, lubricants, etc.,
- ▶ reinforced construction.

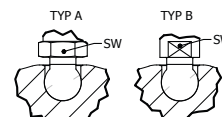
Foot can be fixed to the ground by means of mounting anchor after pushing masking holes through the foot.

Available foot diameters Ø80, Ø105, Ø130.

Pin can be adjusted using wrench: TYPE A and TYPE B.

Foot metal part:

- ▶ threaded pin moveable, made of galvanized or stainless steel,
- ▶ pin diameters M12, M16, M20,
- ▶ various pin lengths can be ordered.



	TYPE	D [mm]	M	SW	H [mm]	PIN	F1
GROUP SM01 Ø80	SM01A80M12 x (50 do190)*	80	12	13	50-190	TYPE A	10.000
	SM01B80M12 x (50 do190)*	80	12	9	50-190	TYPE B	10.000
	SM01A80M16 x (50 do190)*	80	16	17	50-190	TYPE A	13.000
	SM01B80M16 x (50 do190)*	80	16	13	50-190	TYPE B	13.000
	SM01A80M20 x (50 do190)*	80	20	22	50-190	TYPE A	17.000
	SM01B80M20 x (50 do190)*	80	20	16	50-190	TYPE B	17.000
GROUP SM02 Ø105	SM02A105M12 x (50 do190)*	105	12	13	50-190	TYPE A	10.000
	SM02B105M12 x (50 do190)*	105	12	9	50-190	TYPE B	10.000
	SM02A105M16 x (50 do190)*	105	16	17	50-190	TYPE A	15.000
	SM02B105M16 x (50 do190)*	105	16	13	50-190	TYPE B	15.000
	SM02A105M20 x (50 do190)*	105	20	22	50-190	TYPE A	17.000
	SM02B105M20 x (50 do190)*	105	20	16	50-190	TYPE B	17.000
GROUP SM03 Ø130	SM03A130M12 x (50 do190)*	130	12	13	50-190	TYPE A	10.000
	SM03B130M12 x (50 do190)*	130	12	9	50-190	TYPE B	10.000
	SM03A130M16 x (50 do190)*	130	16	17	50-190	TYPE A	17.000
	SM03B130M16 x (50 do190)*	130	16	13	50-190	TYPE B	17.000
	SM03A130M20 x (50 do190)*	130	20	22	50-190	TYPE A	17.000
	SM03B130M20 x (50 do190)*	130	20	16	50-190	TYPE B	17.000

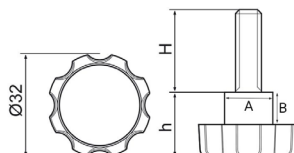
* any thread length in 20mm increments between 50mm and 190mm.

Material: Polyamide.

Standard Color
RAL 9005



Star knobs with threaded bolt



ART.NO.	TYPE	HAND KNOB	THREAD	H [mm]	h [mm]	A [mm]	B [mm]
680	POK-01 M6 x 15	Ø32	M6	15	18	16,5	8,3
681	POK-01 M6 x 20	Ø32	M6	20	18	16,5	8,3
682	POK-01 M6 x 25	Ø32	M6	25	18	16,5	8,3
683	POK-01 M6 x 30	Ø32	M6	30	18	16,5	8,3
672	POK-01 M6 x 35	Ø32	M6	35	18	16,5	8,3
673	POK-01 M6 x 50	Ø32	M6	50	18	16,5	8,3
686	POK-01 M8 x 15	Ø32	M8	15	21	16,5	8,3
687	POK-01 M8 x 20	Ø32	M8	20	21	16,5	8,3
688	POK-01 M8 x 25	Ø32	M8	25	21	16,5	8,3
689	POK-01 M8 x 30	Ø32	M8	30	21	16,5	8,3
674	POK-01 M8 x 35	Ø32	M8	35	21	16,5	8,3
690	POK-01 M8 x 40	Ø32	M8	40	21	16,5	8,3
675	POK-01 M8 x 50	Ø32	M8	50	21	16,5	8,3
691	POK-01 M8 x 60	Ø32	M8	60	21	16,5	8,3
676	POK-01 M8 x 70	Ø32	M8	70	21	16,5	8,3

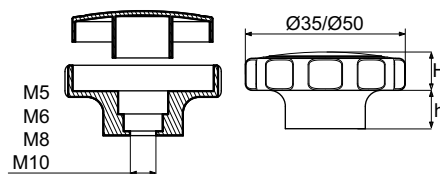
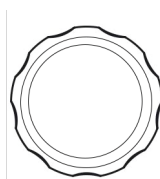
Material: Polypropylene.

Various lengths of bolts M6 and M8.

Standard Color
RAL 9005



Star knobs (for self-assembly) Ø35 / Ø50



ART.NO.	TYPE	FOOT	THREAD	H [mm]	h [mm]
800	POK-02 Ø35 M5	Ø35	M5	15	10
801	POK-02 Ø35 M6	Ø35	M6	15	10
802	POK-02 Ø35 M8	Ø35	M8	15	10
803	POK-02 Ø50 M8	Ø50	M8	15	10
804	POK-02 Ø50 M10	Ø50	M10	15	10

Stoff: Poliamid.

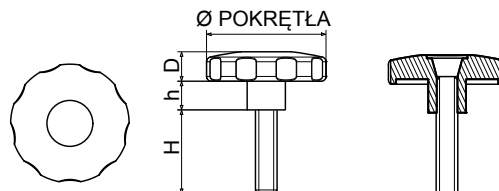
Properties:

- ▶ universal, for self assembly by hammering,
- ▶ light and robust thanks to reinforced construction,
- ▶ very accurate matching of connections,
- ▶ resistant to lubricants, oils and fuels,
- ▶ resistant to external conditions,
- ▶ installation of any nut or bolt (the product is delivered without nut and bolt).

Standard Color
RAL 9005



Star knob Ø30 / Ø50 / Ø64 Reinforced construction



ART.NO.	TYPE	HAND KNOB	THREAD	H [mm]	h [mm]	D [mm]	MATERIAL
810	POK-03 Ø30 M5 x 14	Ø30	M5	14	10	10	PA
811	POK-03 Ø30 M5 x 18	Ø30	M5	18	10	10	PA
812	POK-03 Ø30 M5 x 28	Ø30	M5	28	10	10	PA

ART.NO.	TYPE	HAND KNOB	THREAD	H [mm]	h [mm]	D [mm]	MATERIAL
815	POK-03 Ø30 M6 x 23	Ø30	M6	23	10	10	PA
816	POK-03 Ø30 M6 x 38	Ø30	M6	38	10	10	PA
820	POK-03 Ø30 M8 x 23	Ø30	M8	23	10	10	PA
821	POK-03 Ø30 M8 x 38	Ø30	M8	38	10	10	PA
825	POK-03 Ø50 M8 x 13	Ø50	M8	13	17	15	PA
826	POK-03 Ø50 M8 x 18	Ø50	M8	18	17	15	PA
827	POK-03 Ø50 M8 x 23	Ø50	M8	23	17	15	PA
828	POK-03 Ø50 M8 x 38	Ø50	M8	38	17	15	PA
829	POK-03 Ø50 M8 x 48	Ø50	M8	48	17	15	PA
830	POK-03 Ø50 M8 x 58	Ø50	M8	58	17	15	PA
835	POK-03 Ø50 M10 x 23	Ø50	M10	23	17	15	PA
836	POK-03 Ø50 M10 x 38	Ø50	M10	38	17	15	PA
837	POK-03 Ø50 M10 x 48	Ø50	M10	48	17	15	PA
838	POK-03 Ø50 M10 x 58	Ø50	M10	58	17	15	PA
840	POK-03 Ø64 M8 x 23	Ø64	M8	23	21	19	PA
841	POK-03 Ø64 M8 x 33	Ø64	M8	33	21	19	PA
842	POK-03 Ø64 M8 x 38	Ø64	M8	38	21	19	PA
843	POK-03 Ø64 M8 x 48	Ø64	M8	48	21	19	PA
844	POK-03 Ø64 M8 x 58	Ø64	M8	58	21	19	PA
850	POK-03 Ø64 M10 x 23	Ø64	M10	23	21	19	PA
851	POK-03 Ø64 M10 x 33	Ø64	M10	33	21	19	PA
852	POK-03 Ø64 M10 x 38	Ø64	M10	38	21	19	PA
853	POK-03 Ø64 M10 x 48	Ø64	M10	48	21	19	PA
854	POK-03 Ø64 M10 x 58	Ø64	M10	58	21	19	PA
860	POK-03 Ø64 M12 x 23	Ø64	M12	23	21	19	PA
861	POK-03 Ø64 M12 x 33	Ø64	M12	33	21	19	PA
862	POK-03 Ø64 M12 x 38	Ø64	M12	38	21	19	PA
863	POK-03 Ø64 M12 x 48	Ø64	M12	48	21	19	PA
864	POK-03 Ø64 M12 x 58	Ø64	M12	58	21	19	PA

Material: Polyamide.

TYPE: "male"

- ▶ attractive design of hand knob,
- ▶ resistant to oils, lubricants and fuels,
- ▶ resistant to impact,
- ▶ resistant to external conditions/PA,
- ▶ bolt sealed in material.

Various colors of masking caps

RAL 9005 7040 6018 3020 5005

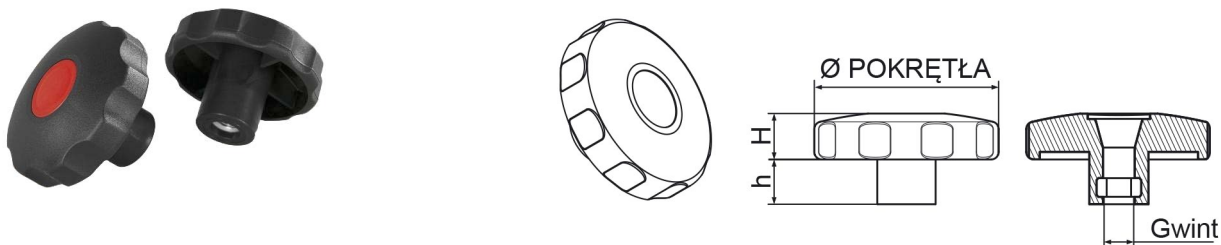


Standard Color

RAL 9005



Star knob Ø30 / Ø50 / Ø64 Reinforced construction



ART.NO.	TYPE	HAND KNOB	THREAD	h [mm]	H [mm]	MATERIAL
870	POK-04 Ø30 M5	Ø30	M5	10	10	PA
871	POK-04 Ø30 M6	Ø30	M6	10	10	PA
872	POK-04 Ø30 M8	Ø30	M8	10	10	PA
873	POK-04 Ø50 M8	Ø50	M8	17	15	PA
874	POK-04 Ø50 M10	Ø50	M10	17	15	PA
875	POK-04 Ø64 M8	Ø64	M8	21	19	PA
876	POK-04 Ø64 M10	Ø64	M10	21	19	PA
877	POK-04 Ø64 M12	Ø64	M12	21	19	PA

Material: Polyamide.

TYPE: "female"

- ▶ attractive design of hand knob,
- ▶ resistant to oils, lubricants and fuels,
- ▶ resistant to impact,
- ▶ resistant to external conditions/PA,
- ▶ bolt sealed in material.

Various colors of masking caps

RAL 9005 7040 6018 3020 5005

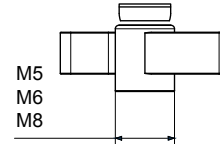
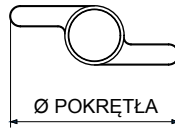


Standard Color

RAL 9005



Butterfly knobs (for self-assembly)



ART.NO.	TYPE	STERNGIFF	THREAD
986	POK-07 Ø30 M5	Ø30	M5
987	POK-07 Ø30 M6	Ø30	M6
988	POK-07 Ø40 M6	Ø40	M6
989	POK-07 Ø40 M8	Ø40	M8
990	POK-07 Ø50 M6	Ø50	M6
991	POK-07 Ø50 M8	Ø50	M8
992	POK-07 Ø68 M8	Ø68	M8

Stoff: Polyamide.

Eigenschaften:

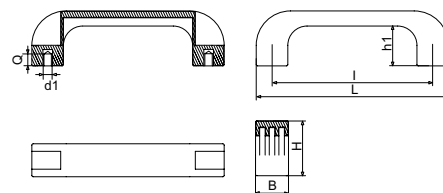
- ▶ universal zur Selbstmontage durch Schrauben- bzw. Muttereinschlag.
- ▶ light and robust thanks to reinforced construction,
- ▶ very accurate matching of connections,
- ▶ resistant to lubricants, oils and fuels,
- ▶ installation of any nut or bolt (the product is delivered without nuts and bolts).

Standard Color

RAL 9005



Plastic handle with threaded bushings



ART.NO.	TYPE	L [mm]	l [mm]	B [mm]	H [mm]	h1 [mm]	Q [mm]	d1 [mm]
2010	UCH01 94M5	110	94	21	37	29	7	M5
2147	UCH01 94M6	110	94	21	37	29	7	M6
2148	UCH01 117M5	140	117	24	40	29	10	M5
2149	UCH01 117M6	140	117	24	40	29	9	M6
2150	UCH01 117M8	140	117	24	40	29	9	M8
2151	UCH01 120M5	140	120	24	40	29	10	M5
2152	UCH01 120M6	140	120	24	40	29	9	M6
2017	UCH01 120M8	140	120	24	40	29	9	M8
2018	UCH01 132M5	151	132	26	43	31	10	M5
2019	UCH01 132M6	151	132	26	43	31	9	M6
2020	UCH01 132M8	151	132	26	43	31	9	M8
2021	UCH01 180M8	200	180	28	51	39	14	M8
2022	UCH01 235M8	262	235	32	53	40	14	M8
2023	UCH01 235M10	262	235	32	53	40	14	M10

Material: Polyamide, bushings – brass.

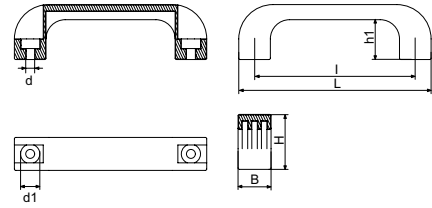
Properties:

- ▶ threaded bushings made of brass,
- ▶ un blind.

Standard Color
RAL 9005



Plastic handle with reach-through holes



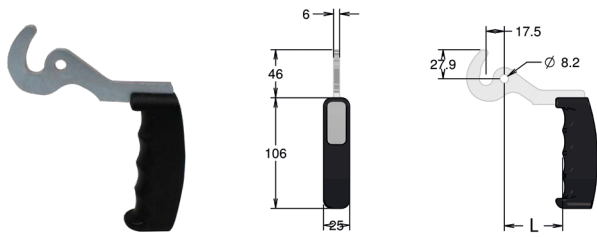
ART.NO.	TYPE	L [mm]	l [mm]	B [mm]	H [mm]	h1 [mm]	d [mm]	d1 [mm]
2025	UCH02 94d6,5	110	94	21	37	29	6,5	11
2026	UCH02 117d6,5	140	117	24	40	29	6,5	14
2027	UCH02 117d8,5	140	117	24	40	29	8,5	14
2028	UCH02 120d6,5	140	120	24	40	29	6,5	14
2029	UCH02 120d8,5	140	120	24	40	29	8,5	14
2030	UCH02 132d8,5	151	132	26	43	31	8,5	14
2031	UCH02 180d8,5	200	180	28	51	39	8,5	14,5
2032	UCH02 235d10,5	262	235	32	53	40	10,5	17

Material: Polyamide.

Standard Color
RAL 9005



Handle for boiler door closing (straight)



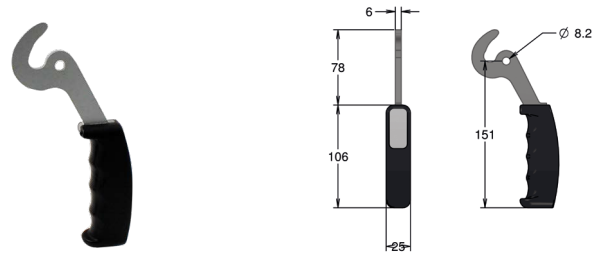
ART.NO.	TYPE	L [mm]
1156	UCH03/A	56
1157	UCH03/B	66

Material: Polyamide, galvanized steel.

Note: Logo sticker can be attached.



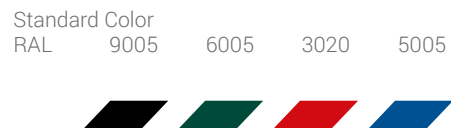
Handle for boiler door closing (oblique)



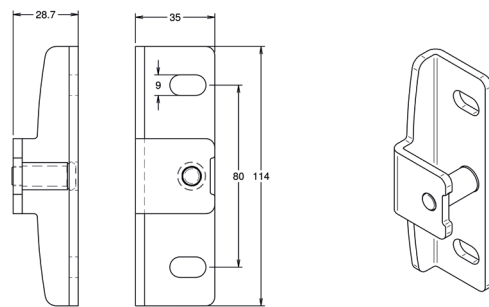
ART.NO.	TYPE
1158	UCH03/C

Material: Polyamide, galvanized steel.

Note: Metal mounting part can be custom-made.



Boiler door catch



ART.NO.	TYPE
1159	UCH/ZK

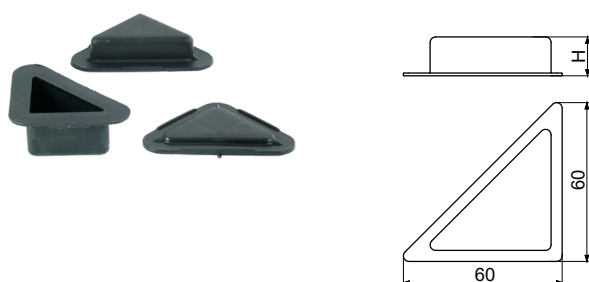
Material: galvanized steel.

Furniture fittings

 Tulplast®



Triangular furniture glide



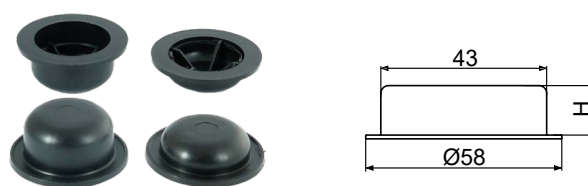
ART.NO.	TYPE	H [mm]
T001	S-41	5
T002	S-16	15
T003	S-17	25

Material: Polypropylene.

Standard Color
RAL 9005



Round furniture glide



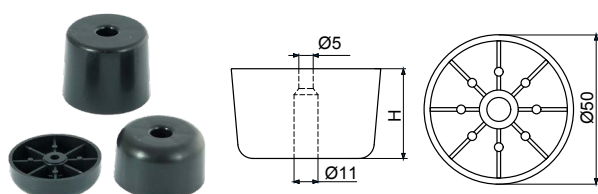
ART.NO.	TYPE	H [mm]
T004	S-42	15
T005	S-43	25

Material: Polypropylene.

Standard Color
RAL 9005



Round furniture feet screw-fixed



ART.NO.	TYPE	H [mm]
T006	S-44	15
T007	S-45	25
T092	S-63	28
T008	S-46	35
T093	S-60	40

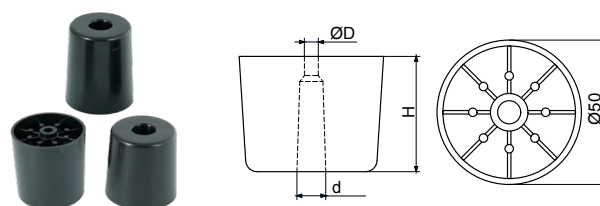
Material: Polypropylene.

Standard Color
RAL 9005



Round furniture feet screw-fixed and bolt

NEW



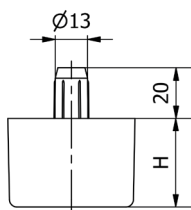
ART.NO.	TYPE	H [mm]	D [mm]	d [mm]
T094	S-61/A	50	6	14
T095	S-61/B	50	8	16
T096	S-62/A	60	6	14
T097	S-62/B	60	8	16
T304	S-66/A	45	6	14
T305	S-66/B	45	8	16

Material: Polypropylene.

Standard Color
RAL 9005



Round furniture glide with a pin



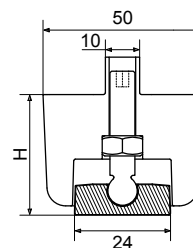
ART.NO.	TYPE	H [mm]
T009	S-47	30
T315	S-67	15
T316	S-68	25
T317	S-69	35
T318	S-70	50

Material: Polypropylene.

Standard Color
RAL 9005



Tilt adjustable feet



ART.NO.	TYPE	H [mm] min-max
T140	S-64	27,0-40,0

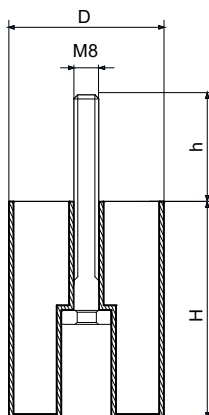
Material: Polypropylene.

Standard Color
RAL 9005



Round plastic furniture leg Ø50

Round plastic furniture leg with a bolt



ART.NO.	TYPE	D [mm]	H [mm]	h* [mm]
T306	NM050H45	Ø50	45	M8x35
T141	NM050H50	Ø50	50	M8x35
T142	NM050H60	Ø50	60	M8x35
T100	NM050H70	Ø50	70	M8x35
T101	NM050H80	Ø50	80	M8x35
T102	NM050H90	Ø50	90	M8x35
T143	NM050H100	Ø50	100	M8x35

ART.NO.	TYPE	D [mm]	H [mm]	h* [mm]
T103	NMO50H110	Ø50	110	M8x35
T104	NMO50H120	Ø50	120	M8x35
T144	NMO50H130	Ø50	130	M8x35
T105	NMO50H150	Ø50	150	M8x35

Material: Polypropylene.

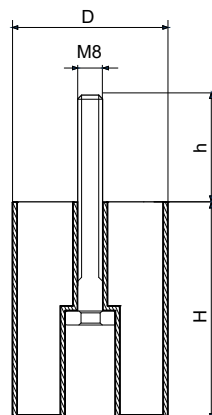
* h – any thread length.

* Leg can be ordered with anti-skidding pad.

Standard Color
RAL 9005



Round metallized furniture leg with a bolt



ART.NO.	TYPE	D [mm]	H [mm]	h* [mm]
T145	NMOM50H50	Ø50	50	M8x35
T146	NMOM50H60	Ø50	60	M8x35
T106	NMOM50H70	Ø50	70	M8x35
T107	NMOM50H80	Ø50	80	M8x35
T108	NMOM50H90	Ø50	90	M8x35
T109	NMOM50H100	Ø50	100	M8x35
2173	NMOM50H110	Ø50	110	M8x35
T110	NMOM50H120	Ø50	120	M8x35
T147	NMOM50H130	Ø50	130	M8x35
T111	NMOM50H150	Ø50	150	M8x35

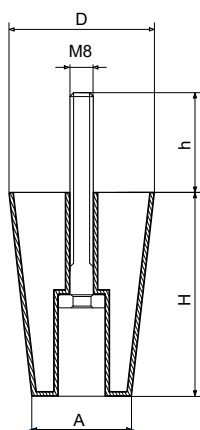
Material: Polypropylene.

* h – any thread length.

* Leg can be ordered with anti-skidding pad.

Standard Color: chrome plated effect.

Conical plastic furniture leg with a bolt



ART.NO.	TYPE	D [mm]	A [mm]	H [mm]	h* [mm]
T114	NMS75/45H70	Ø75	Ø45	70	M8x35

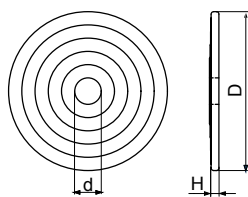
Material: Polypropylene.

* h – any thread length.

Standard Color
RAL 9005



Furniture washer



ART.NO.	TYPE	D [mm]	H [mm]	d [mm]
T115	PM 30 x 2,5 x 8,5	Ø30	2,5	8,5
T116	PM 50 x 3,0 x 8,5	Ø51	3,0	8,5
T117	PM 50 x 3,0 x 10,5	Ø51	3,0	10,5
T118	PM 60 x 3,0 x 8,5	Ø60	3,0	8,5

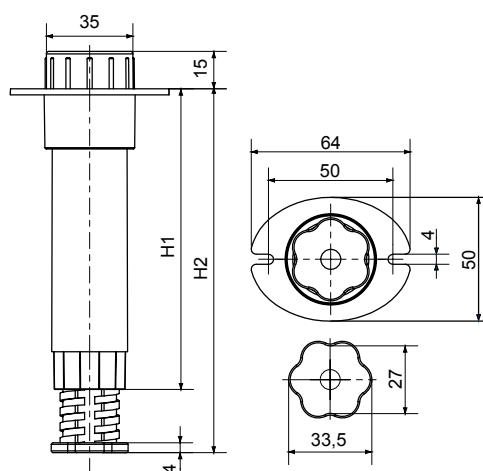
Material: Polyethylene.

Standard Color
RAL 9005



Furniture feet anti-skidding

NEW



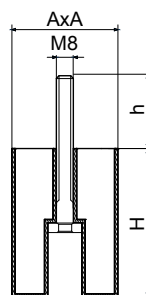
ART.NO.	TYPE	H1 [mm]	H2 [mm] min-max
T148	SMAP30/220	121,0	125,0-220,0

Material: ABS.

Standard Color
RAL 9005



Square plastic furniture leg



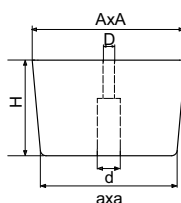
ART.NO.	TYPE	A [mm]	H [mm]	h* [mm]
T112	NMK60H100	60x60	100	M8x35

* h – any thread length.

Furniture legs of any design can be ordered

Square plastic furniture leg/conical

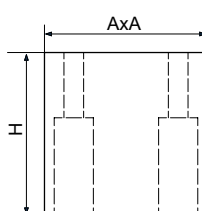
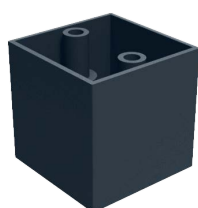
PRODUCT TO BE AVAILABLE SOON



NR ART.	TYP	A x A [mm]	a x a [mm]	H [mm]	Ød [mm]	ØD [mm]	
T150	NMKS70/65H44	70 x 70	65 x 65	44			
T151	NMKS70/65H45	70 x 70	65 x 65	45	Ø17	Ø6,5	available
T152	NMKS70/65H50	70 x 70	65 x 65	50	Ø17	Ø6,5	
T153	NMKS70/65H55	70 x 70	65 x 65	55	Ø17	Ø6,5	
T154	NMKS70/54H80	70 x 70	54 x 54	80			
T155	NMKS100/80H60	100 x 100	80 x 80	60	Ø19	Ø10	available
T156	NMKS100/80H67	100 x 100	80 x 80	67			
T157	NMKS100/80H80	100 x 100	80 x 80	80			
T158	NMKS100/80H100	100 x 100	80 x 80	100			

Square plastic furniture leg

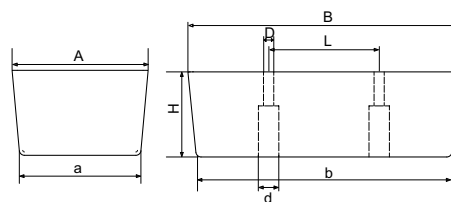
PRODUCT TO BE AVAILABLE SOON



ART.NO.	TYPE	A x A [mm]	H [mm]
T160	NMK50H50	50 x 50	50
T161	NMK60H25	60 x 60	25

Rectangular furniture leg

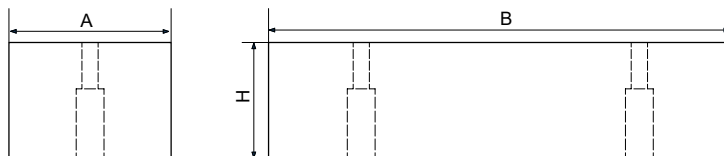
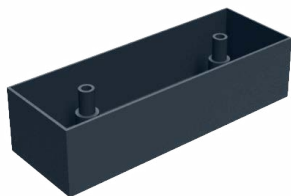
PRODUCT TO BE AVAILABLE SOON



NR ART.	TYP	B x A [mm]	b x a [mm]	H [mm]	L [mm]	Ød [mm]	ØD [mm]
T169	NMPS150 x 45/145x40H50	150 x 45	145 x 40	50	64	13	6,5
T314	NMPS150 x 45/145x40H45	150 x 45	145 x 40	45	64	13	6,5 available
T162	NMPS160 x 80/150 x 71H50	160 x 80	150 x 71	50			
T163	NMPS160 x 80/150 x 71H67	160 x 80	150 x 71	67	64	Ø13	Ø6,5 available
T164	NMPS200 x 80/190 x 71H67	200 x 80	190 x 71	67			
T165	NMPS280 x 80/270 x 71H67	280 x 80	270 x 71	67			
T166	NMPS320 x 80/310 x 71H67	320 x 80	310 x 71	67			

Rectangular furniture leg

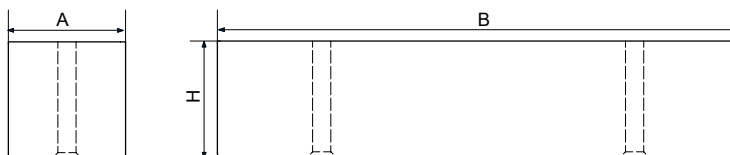
PRODUCT TO BE AVAILABLE SOON



ART.NO.	TYPE	B x A [mm]	H [mm]
T167	NMP200 x 70H50	200 x 70	50

Rectangular furniture leg

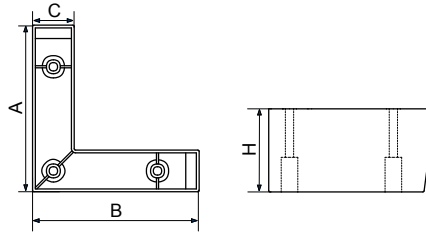
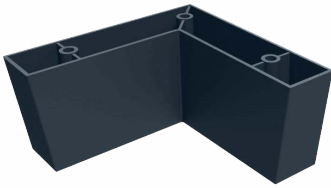
PRODUCT TO BE AVAILABLE SOON



ART.NO.	TYPE	B x A [mm]	H [mm]
T168	NMP200 x 45H45	200 x 45	45

PRODUCT TO BE AVAILABLE SOON

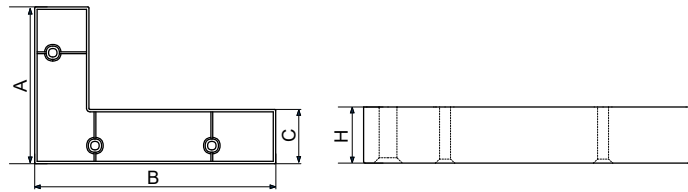
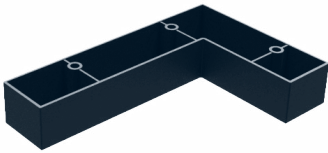
Furniture corner leg



ART.NO.	TYPE	A x B [mm]	H [mm]	C [mm]
T170	NMN119H63	119 x 119	63	50
T171	NMN120H60	120 x 120	60	50
T172	NMN120H65	120 x 120	65	50

Furniture corner leg

PRODUCT TO BE AVAILABLE SOON

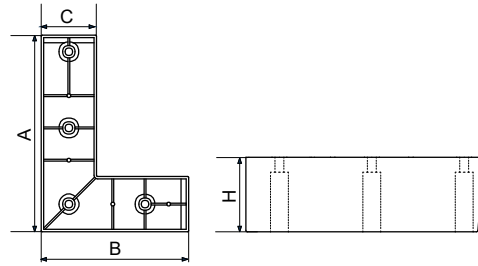
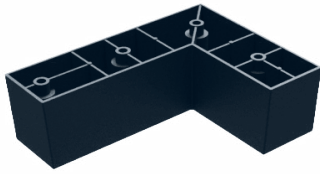


ART.NO.	TYPE	A x B [mm]	H [mm]	C [mm]
T173	NMN200 x 130H35P	200 x 130	35	45
T174	NMN200 x 130H35L	200 x 130	35	45
T175	NMN150H50	150 x 150	50	45
T176	NMN150H55	150 x 150	55	45

* L – left; P – right.

Furniture corner leg

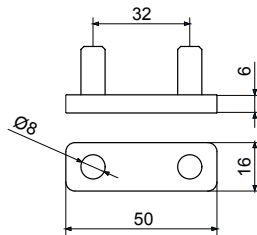
PRODUCT TO BE AVAILABLE SOON



ART.NO.	TYPE	A x B [mm]	H [mm]	C [mm]
T177	NMN160 x 120H50P	160 x 120	50	45
T178	NMN160 x 120H50L	160 x 120	50	45
2185	NMN160H60	160 x 160	60	45

* L – left; P – right.

Rectangular furniture glide with 2 pins



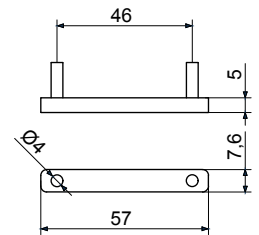
ART.NO.	TYPE
T011	S-19

Material: Polypropylene.

Standard Color
RAL 9005



Rechteckig Möbelgleiter mit zwei Zapfen



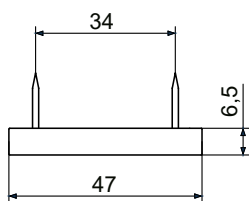
ART.NO.	TYPE	KOLOR
T012	S-19/C/CZ	schwarz
T179	S-19/C/B	farblos

Material: Polypropylene.

Standard Color
RAL 9005



Rectangular furniture glide with two nails



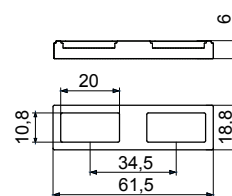
ART.NO.	TYPE
T013	S-19/A

Material: Polypropylene.

Standard Color
RAL 9005



Rectangular furniture glide for staple



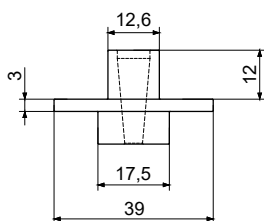
ART.NO.	TYPE
T098	S-24/C

Material: Polypropylene.

Standard Color
RAL 9005



Screw-fixed socket



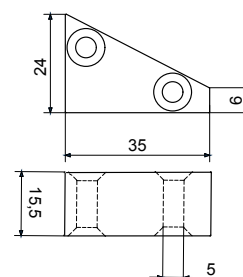
ART.NO.	TYPE
T024	S-51

Material: Polypropylene.

Standard Color
RAL 9005



Closing stop



ART.NO.	TYPE
2184	S-50

Material: Polypropylene.

Standard Color
RAL 9005



Round furniture glide with pin



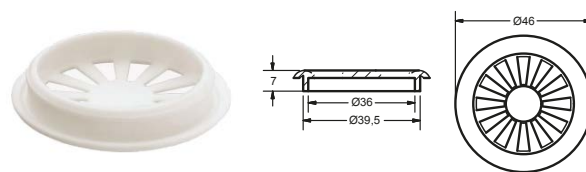
ART.NO.	TYPE	A [mm]	C [mm]	D [mm]	H [mm]
T342	S-18/B4,5	16	8	4,5	11
T017	S-18/B	16	8	6	11
T018	S-18/C	16	4,3	4,5	9,5

Material: Polypropylene.

Standard Color
RAL 9005



Ventilation grill of furniture drawer



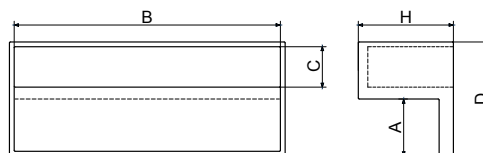
ART.NO.	TYPE
T180	S-65

Material: Polypropylene.

Standard Color
RAL 9010



Spring slat cap



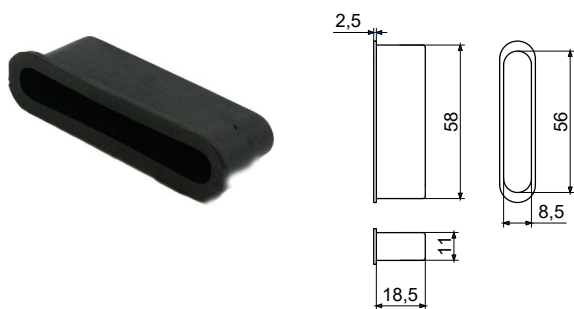
ART.NO.	TYPE	H [mm]	A [mm]	B [mm]	C [mm]	D [mm]
T038	S-15/20	20	12	56	8,5	24
T039	S-15/25	25	12	56	8,5	24
T040	S-15/30	30	12	56	8,5	24
T041	S-25	25	17,5	62	8,5	30
T042	S-28	35	15	71	12,5	31,5
T043	S-29	35	15	101	12,5	31,5

Material: Polyethylene.

Standard Color
RAL 8028



Inner spring slat cap 55x8



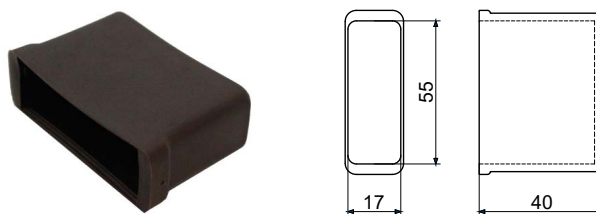
ART.NO.	TYPE
T044	S-21

Material: Polyethylene.

Standard Color
RAL 9005



Spring slat cap



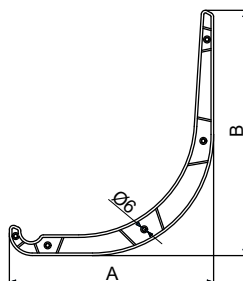
ART.NO.	TYPE
T045	S-20

Material: Polyethylene.

Standard Color
RAL 8028



Roller guide



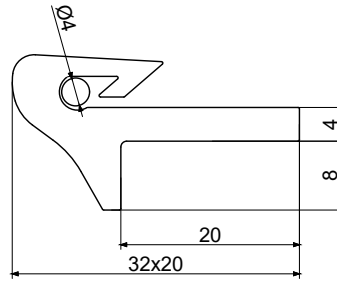
ART.NO.	TYPE	A [mm]	B [mm]
T057	S-27	350	425
T048	S-27/X	450	450

Material: Polypropylene.

Standard Color
RAL 9005



Corrugated spring catch



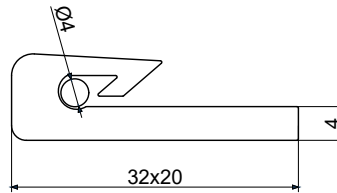
ART.NO.	TYPE
T046	S-26

Material: Polypropylene, copolymer.

Standard Color
RAL 9010



Corrugated spring catch



ART.NO.	TYPE
T047	S-49

Material: Polypropylene, copolymer.

Standard Color
RAL 9010





ATEST
ŚWIADECTWO BADAŃ
NR 856/32/OA/10/2016
Zgodność wyrobu
z wymaganiami bezpieczeństwa
wytrzymałości i trwałości



Na podstawie wyników z przeprowadzonych badań stwierdza się, że

zaczepy sprężyn falistych S-26 i S-49

produkowane przez

TULPLAST IRENEUSZ SOCHA **SPÓŁKA JAWNA**

ul. Wiosenna 27 62-021 Paczkowo

jako element konstrukcyjny mebli spełniają wymagania

PN-EN 12520:2010 Meble – Wytrzymałość, trwałość i bezpieczeństwo – Wymagania dla siedzisk mieszkaniowych /EN 12520:2010 Furniture – Strength, durability and safety – Requirements for domestic seating, IDT/ i / PN-EN 16139:2013 Meble – Wytrzymałość, trwałość i bezpieczeństwa – Wymagania dla siedzisk użytkowanych poza mieszkaniem /EN 16139:2013 Furniture – Strength, durability and safety – Requirements for non-domestic seating, IDT/

oraz

PN-EN 1725:2001 Meble mieszkaniowe - Łóżka i materace - Wymagania bezpieczeństwa i metody badań /EN 1725:1998 Domestic furniture - Beds and mattresses - Safety requirements and test methods, IDT/,

przez co, jako element konstrukcyjny mebli, spełniają wymagania bezpieczeństwa ustanowione przez Polskie Normy – zgodnie z Ustawą z dnia 12 grudnia 2003 r. o ogólnym bezpieczeństwie produktów.

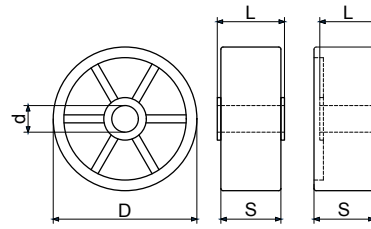
Badania przeprowadzono w oparciu o adaptację metodyki:

PN-EN 1728:2012 Meble - Meble do siedzenia - Metody badań wytrzymałości i trwałości /EN 1728:2012 Furniture – Seating – Test methods for the determination of strength and durability, IDT/ oraz PN-EN 1725:2001 Meble mieszkaniowe - Łóżka i materace - Wymagania bezpieczeństwa i metody badań

Świadectwo zawiera sprawozdanie z badań /2 numerowane strony/, stanowiące integralną część niniejszego dokumentu.

Badania wykonano w dniach 28.09.2015 - 09.10.2015

Furniture rollers



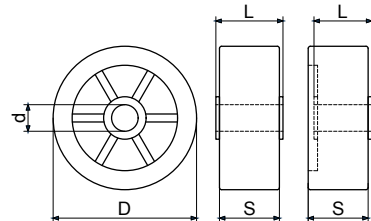
ART.NO.	TYPE	D [mm]	d [mm]	S [mm]	L [mm]	
T026	Rolka 17/17	17	4	17	18	
T029	Rolka 29/23	29	5	23	24	
T031	Rolka 27/15B	27	8	15	11	Side roller
T032	Rolka 42/20B	42	8	20	11	Side roller

Material: Polypropylene.

Standard Color
RAL 9005



Rubber furniture rollers



ART.NO.	TYPE	D [mm]	d [mm]	S [mm]	L [mm]	
T033	Rolka 29/23G	29	5	23	24	
T034	Rolka 42/20G	42	8	20	14	Side roller

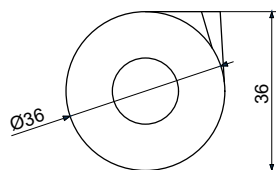
Material: core – Polypropylene; track – Elastomer.

Elastomer-covered track.

Standard Color
RAL 7040



Furniture wheel revolving



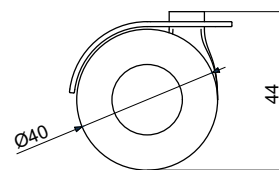
ART.NO.	TYPE	OPTION	WHEEL
T070	KL 35/G	without brake	rubber

Material: core – Polypropylene, track – Elastomer.

Standard Color
RAL 9005



Furniture wheel revolving



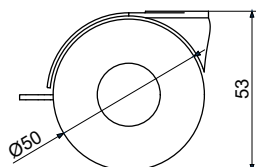
ART.NO.	TYPE	OPTION	ROLLE
T061	KL 40	without brake	plastic
T062	KL 40/H	brake	plastic

Material: Polypropylene.

Standard Color
RAL 9005



Furniture wheel revolving/ rubber



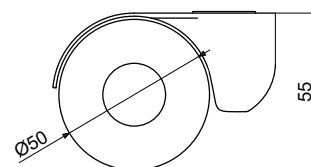
ART.NO.	TYPE	OPTION	ROLLE
T063	KL 50	without brake	plastic
T064	KL 50/H	brake	plastic
T065	KL 50/G	without brake	rubber

Material: Polypropylene.

Standard Color
RAL 9005



Furniture wheel revolving/ rubber



ART.NO.	TYPE	OPTION	ROLLE
T066	KLN 50	without brake	plastic
T067	KLN 50/H	brake	plastic
T068	KLN 50/G	without brake	rubber
T069	KLN 50/GH	brake	rubber

Material: core – Polypropylene; track – Elastomer.

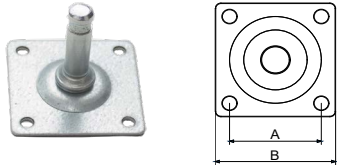
Elastomer-covered track.

Standard Color
RAL 9005 7040

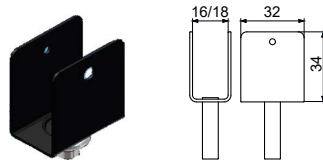


Wheel mounting

Mounting for			
KL 35/ KL 40/ KL 50/ KLN 50			
Mounting			
ART.NO.	TYPE	ART.NO.	TYPE
T120	M 42/32	T121	Plate 38/26
Pin Ø6			



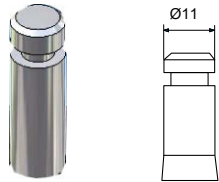
Mounting for			
KL 40/ KL 50			
Mounting			
ART.NO.	TYPE	ART. NO.	TYPE
T122	Plate U16	T123	Plate U18



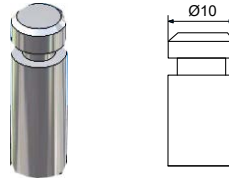
MMounting for			
KL 35/ KL 40/ KL 50/ KLN 50			
Mounting			
ART.NO.	TYPE	ART.NO.	TYPE
T124	THREAD M8x16	T125	THREAD M10x20



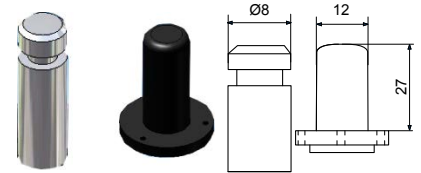
Mounting for	
KL 35/ KL 40/ KL 50/ KLN 50	
Mounting	
ART.NO.	TYPE
T128	Pin Ø11*



Mounting for	
KL 50/ KLN 50	
Mounting	
ART.NO.	TYPE
T127	Pin Ø10*



Mounting for	
KL 35/ KL 40/ KL 50/ KLN 50	
Mounting	
ART.NO.	TYPE
T126	Pin Ø8 + Bushing

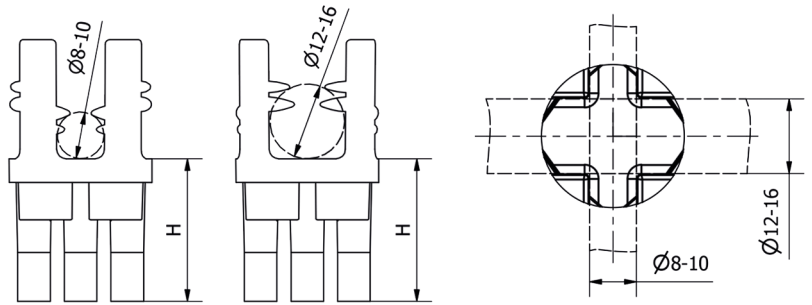


* Pin is found only in hammered stud.

Other plastic accessories



Horizontal rebar spacer



Ceiling spacers are designed for all horizontal rebars embedded on a hard surface. Because the spacer's construction is stable, rebars can be positioned accurately at a defined height, so when pouring the concrete no displacement of reinforcement structure occurs. Also the spacer provides minimal contact surface with formwork. Universal construction allows to tighten rebars Ø8 to Ø16mm and select a desired cover height from 15mm to 50mm.



ART.NO.	TYPE	BAR	h [mm]
2011	DZPH15	Ø8-Ø16	15
2012	DZPH20	Ø8-Ø16	20
2013	DZPH25	Ø8-Ø16	25
2014	DZPH30	Ø8-Ø16	30
2015	DZPH40	Ø8-Ø16	40
2016	DZPH50	Ø8-Ø16	50

Material: Polypropylene.

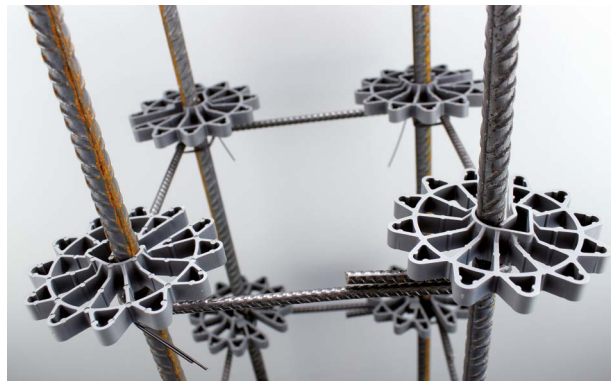
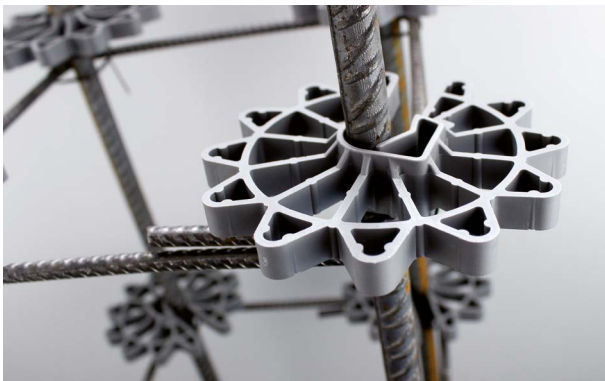
Standard Color
RAL 9005 7040



Star-wheel vertical rebar spacer



Star-wheel spacer is intended for mounting on vertical rebars with various bar diameters. Thanks to ribbed design, contact between the spacer and formwork is minimized and good concrete flow is ensured. Distance between the reinforcement structure and formwork depends on a spacer type.



ART.NO.	TYPE	BAR	h [mm]
2000	DZGH15	Ø4-Ø12	15
2001	DZGH20	Ø4-Ø14	20
2003	DZGH25	Ø6-Ø18	25
2004	DZGH30	Ø10-Ø20	30
2005	DZGH40	Ø12-Ø20	40
2007	DZGH50	Ø12-Ø20	50

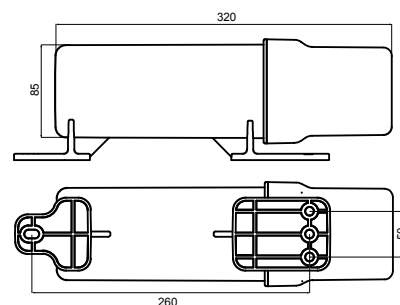
Material: Polipropylen.

Standard Color

RAL 9005 7040



Hermetic glovebox for documents and tools storage



Sealing



ART.NO.	TYPE
2035	POJ 30/9

Material: Polypropylene.

Product features:

- ▶ made of durable plastic,
- ▶ sealing on thread for waterproofness,
- ▶ possibility to attach any sticker or provide any silk-screen imprint.

Use of the product:

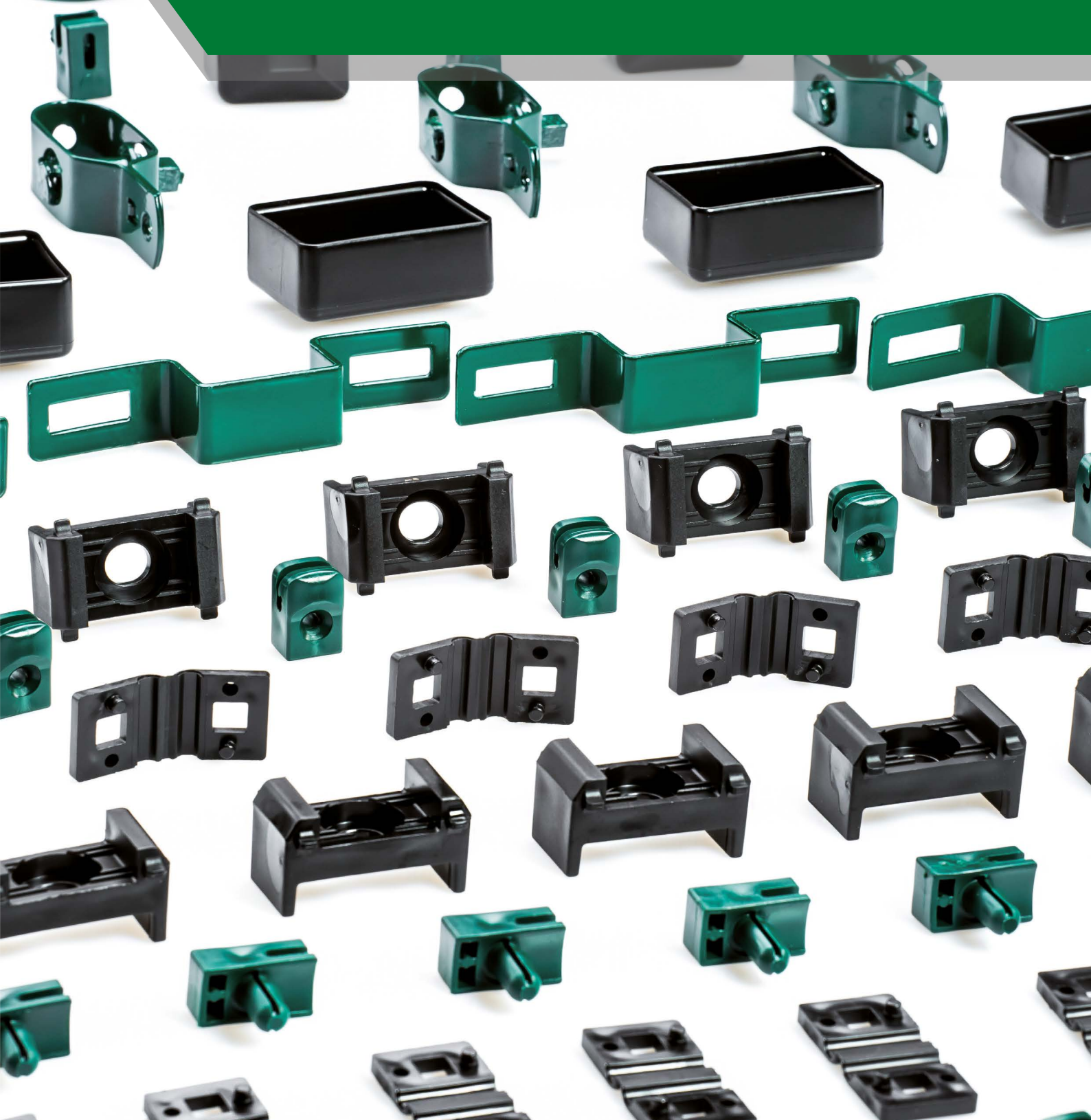
- ▶ storage of documents, tools, spare parts, etc.

Standard Color
RAL 9005

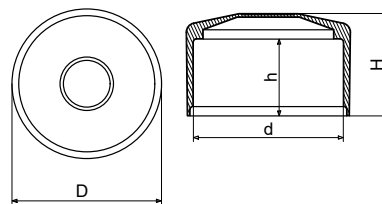


Accessories for installation
of mesh and panel fences

 Tulplast®



Cap for round fencing posts



ART.NO.	TYPE	d [mm]	D [mm]	H [mm]	h [mm]
590	NSO 38	37,8	42,5	29,8	22,5
597	NSO 40	39,8	46,6	29,8	22,5
594	NSO 42	41,7	46,6	34,4	24,4
591	NSO 1 1/4"	42,4	46,8	33,5	24,3
595	NSO 44,5	44,3	48,8	34,5	24,7
592	NSO 1 1/2"	48,3	53,0	33,0	24,0
596	NSO 51	50,6	53,3	33,0	24,0
593	NSO 2"	59,8	65,0	40,0	27,0
589	NSO 2 1/2"	75,8	79,5	40,0	27,0

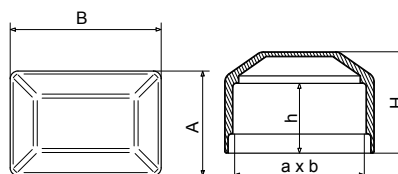
Material: Polyethylene.

Standard Color

RAL 9005 7040 6005 8028 7016



Cup for rectangular fencing posts



ART.NO.	TYPE	a x b [mm]	A x B [mm]	H [mm]	h [mm]
478	NSP 18 x 30	18,0 x 30,0	20,5 x 31,0	24,0	19,0
479	NSP 20 x 30	20,0 x 30,0	23,5 x 33,5	24,0	19,0
480	NSP 40 x 60	40,0 x 60,0	45,0 x 65,0	30,5	21,0

ART.NO.	TYPE	a x b [mm]	A x B [mm]	H [mm]	h [mm]
482	NSP 40 x 80	40,0 x 80,0	45,0 x 85,0	31,2	21,2
481	NSP 60 x 80	60,0 x 80,0	65,0 x 85,0	33,0	21,0

Material: Polyethylene.

Standard Color

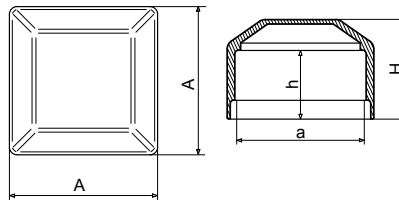
RAL 9005 7040 6005 8028 7016



Caps

GROUP NSK

Cup for square fencing posts



ART.NO.	TYPE	a [mm]	A [mm]	H [mm]	h [mm]
379	NSK 15	15,0	18,7	21,0	16,0
399	NSK 16	16,0	18,7	21,0	16,0
377	NSK 18	18,0	21,6	21,9	17,0
370	NSK 20	20,0	24,0	24,0	19,0
378	NSK 30	30,0	33,7	19,3	23,8
371	NSK 40	40,0	45,5	32,0	21,0
374	NSK 50	50,0	54,0	27,0	21,0
372	NSK 60	60,0	65,0	31,0	21,0
375	NSK 70	70,0	77,0	35,0	25,0
373	NSK 80	80,0	87,0	36,0	26,0
376	NSK 100	100,0	103,0	31,0	21,0

Material: Polyethylene.

Standard Color

RAL 9005 7040 6005 8028 7016



Inner cap for fencing post



ART.NO.	TYPE	A x B [mm]	R - WALL THICKNESS	H [mm]
2194	NSPWEW40 x 60	40 x 60	1,0-1,5	17

Material: Polyethylene.

Properties:

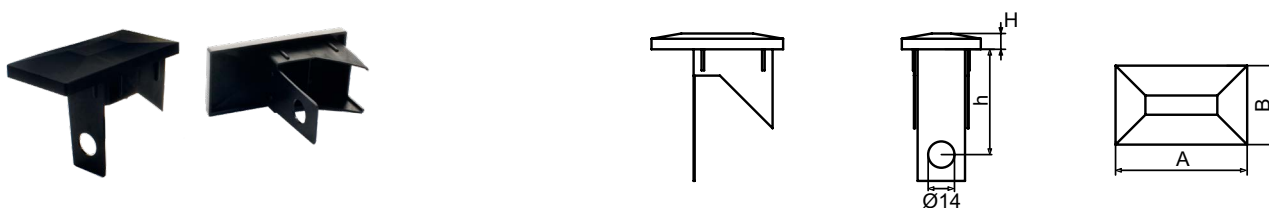
- ▶ modern design,
- ▶ inner construction enables secure installation of cap on post,
- ▶ plastic resistant to adverse weather conditions,
- ▶ UV-resistant.

Standard Color

RAL 9005 7040 6005 8028 7016



Internal cap for the lath of fence post



ART.NO.	TYPE	A x B [mm]	R - WALL THICKNESS	H [mm]	h [mm]
1910	NSPWEW/L 40 x 60	40 x 60	1,2-1,5	9,5	50

Material: Polyethylene.

Properties:

- ▶ modern design,
- ▶ inner construction enables secure installation of cap on post,
- ▶ plastic resistant to adverse weather conditions.

Standard Color

RAL 9005 7040 6005 8028 7016



ASSEMBLY INSTRUCTIONS FOR BRAIDED MESH FENCING

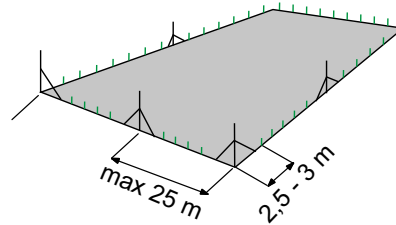
Fencing mesh is the most popular and frequently used fencing due to low cost, easy installation, possibility to make changes and repairs.

List of necessary items:

Mesh, posts, tensioning wire, accessories (caps for fencing and support posts, clamps, wire tensioners, wire holders, tensioning bars, bar mounting bolts).

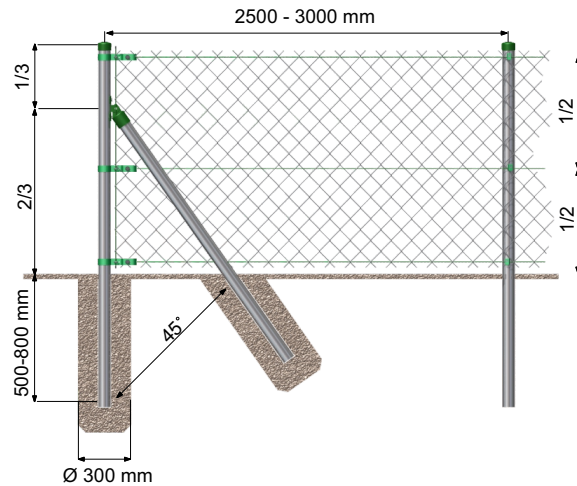
1. Preparing the site

Mark out the site for planned fencing using string and stakes. Posts should be spaced at 2.5–3m. Recommended distance between starting post and tensioning or corner post should not be greater than 25m.



2. Installation of posts

- 2.1 In points for posts, drill holes with depth of 50–80cm and diameter of 30cm
- 2.2 Join starting, tensioning and terminating posts to supporting posts at 45° at about 2/3 of the height from zero level.
- 2.3 Arrange all intermediate posts and pour the concrete. Further works are possible once the concrete is cured.



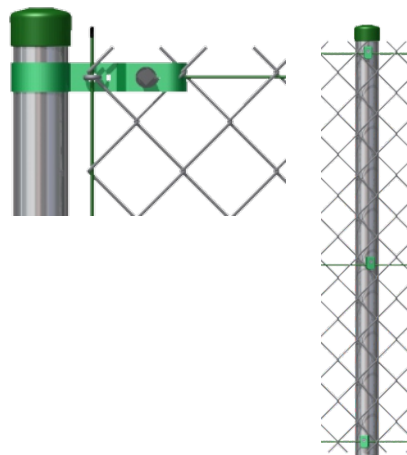
3. Installation of mesh

- 3.1 At starting and terminating posts, install clamps and tensioning wire tensioners. Mount the tensioning wire on posts and tension it using tensioners. On intermediate posts, in wire run line, mount self-drilling screw fixed wire holders or metal staple fixed wire holders.

- 3.2 Pre-stretch the mesh, plait or bend upper ends of the mesh on the tensioned wire.

- 3.3 Mount middle and lower tensioning wires so they run through wire holders placed on posts and in the mesh splice, and then tension the wires using tensioners.

- 3.4 Move tensioning bar through the mesh and tension the latter until desired tensioning is achieved. Lock the tensioning bar in mounting bolt eye.



Accessories for installation of fencing mesh



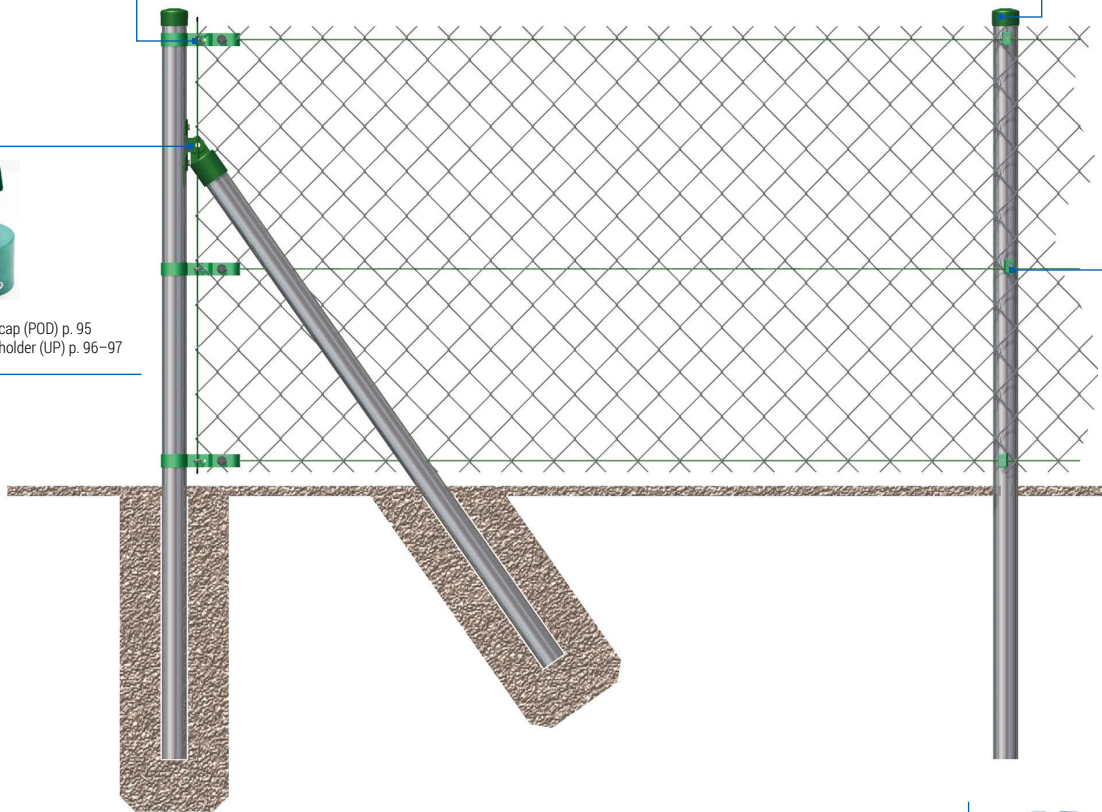
Tensioner (NS) p. 100
Clamps (OP1, OK1, OM) p. 97-99
Bar mounting bolt p. 102
Tensioning bar p. 101



Fencing caps
(NSO, NSP, NSK) p. 88-89



Support cap (POD) p. 95
Support holder (UP) p. 96-97

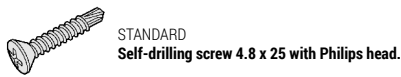
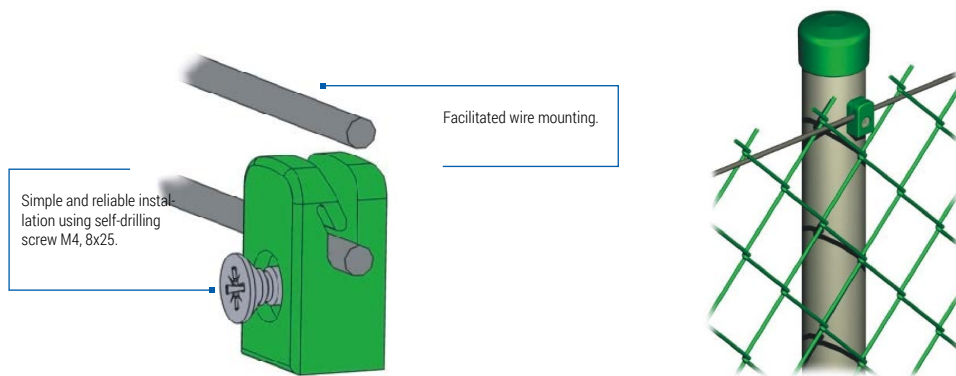


Wire holders for mounting
of tensioning wire
(PDA, PDB) p. 93-94

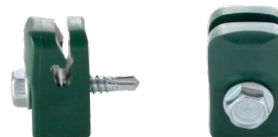
Screw fixed wire holder



Universal wire holder fixed on post by means of self-drilling screw.



ART.NO.	TYPE	MOUNTING
230	PD/A	Self-drilling screw M4.8 x 25 with Philips head
1200	PD/A/2	Self-drilling screw M4.8 x 25 with hexagon head



Material: Polyethylene.

Properties:

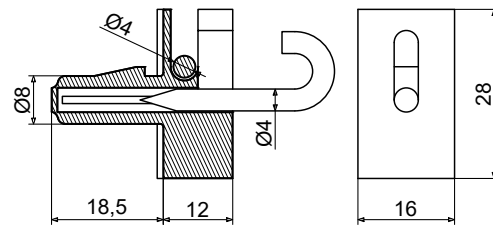
- ▶ freeze-resistant,
- ▶ UV-resistant,
- ▶ attractive design,
- ▶ comes with self-drilling screw.

Standard Color

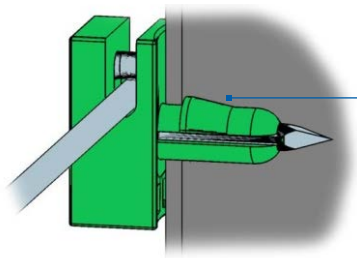
RAL 9005 7040 6005 8028 7016



Pin fixed wire holder



Expander wire holder is mounted using a metal staple in a drilled hole on the post. The wire holder has an innovative mounting catch to disable its removal from the fencing post.



Mounting catch for effective installation of expander stud inside the post.



ART.NO.	TYPE	MOUNTING	REMARKS
231	PD/B	Pin galvanized	Standard
241	PD/B A2	Pin stainless A2	Option

Material: Polyethylene.

Properties:

- ▶ freeze-resistant,
- ▶ UV-resistant,
- ▶ attractive design,
- ▶ diameter of mounting hole on post Ø8.

Standard Color

RAL 9005 7040 6005 8028 7016



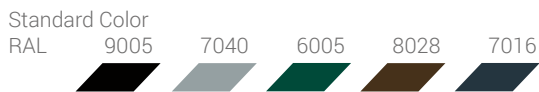
Universal through-pass metal holder



ART.NO.	TYPE	DESCRIPTION	COATING
1140	PDMO/OC	Plate wire holder galvanized for round post.	Galvanized
1141	PDMO/MAL	Plate wire holder galvanized for round post.	Painted
1142	PDMP/OC	Plate wire holder galvanized for round post.	Galvanized
1143	PDMP/MAL	Plate wire holder galvanized for round post.	Painted

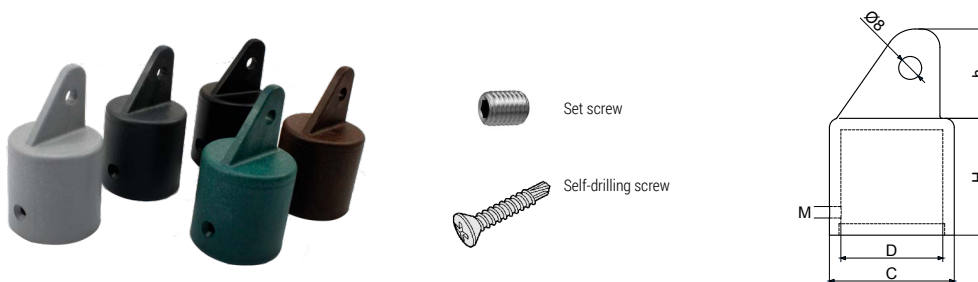
including: self drilling screw 5,3x24

Material: steel, galvanized.



Support post caps

Cap for support fencing post



ART.NO.	TYPE	D [mm]	C [mm]	H [mm]	h [mm]	M [mounting]
454	POD 38	38,4	46,9	46,9	46,9	Self-drilling screw
450	POD 1 1/4	42,4	54,8	54,8	54,8	Self-drilling screw
451	POD 44,5	44,5	54,8	54,8	54,8	Set screw

ART.NO.	TYPE	D [mm]	C [mm]	H [mm]	h [mm]	M [mounting]
452	POD 1 1/2	48,3	60,9	60,9	60,9	Set screw
453	POD 51	50,6	60,9	60,9	60,9	Set screw

Material: Polyamide.

Properties:

- ▶ cap for support fencing post made of very robust material - Polyamidee with glass fibre,
- ▶ freeze-resistant,
- ▶ comes with bolt or screw,
- ▶ UV-resistant.

Standard Color

RAL 9005 7040 6005 8028 7016



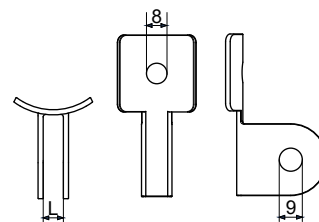
GROUP UP

Grips

Grip for support fencing post cap



+ screw 6.3x25



ART.NO.	TYPE	COATING
445	UP/OC	Galvanized
444	UP/MAL	Painted
1201	Schraube M8x25	Galvanized
1128	Mutter M8	Galvanized

Material: steel, galvanized.

Comes with self-drilling screw.

Standard Color

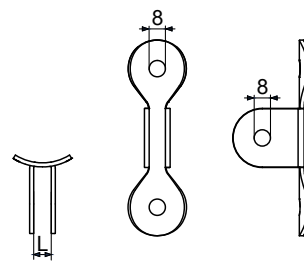
RAL 9005 6005 7016



Grip for support fencing post cap



2x screw 6.3x25



ART.NO.	TYPE	COATING
494	UP/2/OC	Galvanized
495	UP/2/MAL	Painted
1201	Bolt M8x25	Galvanized
1128	Nut M8	Galvanized

Stoff: Stahl, galvanisch Galvanized.

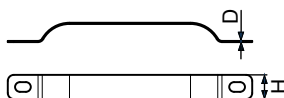
Comes with self-drilling screw.

Standard Color

RAL 9005 6005 7016



Metal band



ART.NO.	TYPE	POST	COATING	D [mm]	H [mm]
3238	OM38/OC	Ø38	Galvanized	1,0	20,0
3254	OM38/MAL	Ø38	Painted	1,0	20,0
1000	OM42/OC	Ø42	Galvanized	1,0	20,0
1001	OM42/MAL	Ø42	Painted	1,0	20,0
1002	OM45/OC	Ø45	Galvanized	1,0	20,0
1003	OM45/MAL	Ø45	Painted	1,0	20,0
1004	OM48/OC	Ø48	Galvanized	1,0	20,0
1005	OM48/MAL	Ø48	Painted	1,0	20,0
1006	OM50/OC	Ø50	Galvanized	1,0	20,0

ART.NO.	TYPE	POST	COATING	D [mm]	H [mm]
1007	OM50/MAL	Ø50	Painted	1,0	20,0
1008	OM60/OC	Ø60	Galvanized	1,0	20,0
1009	OM60/MAL	Ø60	Painted	1,0	20,0
1010	OM75/OC	Ø75	Galvanized	1,0	20,0
1011	OM75/MAL	Ø75	Painted	1,0	20,0
1012	OM90/OC	Ø90	Galvanized	1,0	20,0
1013	OM90/MAL	Ø90	Painted	1,0	20,0

Material: steel, galvanized.

Standard Color

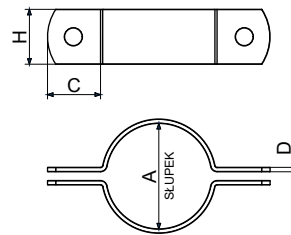
RAL 9005 6005 7016



GROUP OP1

Intermediate clamps

Intermediate clamp 1 hole



ART.NO.	TYPE	POST	COATING	D [mm]	H [mm]	C [mm]
1040	OP1/42/OC	Ø42	Galvanized	2,0	25,0	27,0
1041	OP1/42/MAL	Ø42	Painted	2,0	25,0	27,0
1042	OP1/48/OC	Ø48	Galvanized	2,0	25,0	27,0
1043	OP1/48/MAL	Ø48	Painted	2,0	25,0	27,0
1044	OP1/60/OC	Ø60	Galvanized	2,0	25,0	27,0
1045	OP1/60/MAL	Ø60	Painted	2,0	25,0	27,0

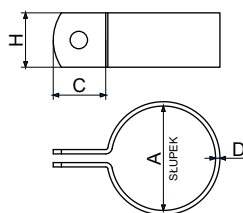
Material: steel, galvanized.

Standard Color

RAL 9005 6005 7016



End clamp 1 hole



ART.NO.	TYPE	POST	COATING	D [mm]	H [mm]	C [mm]
1050	OK1/42/OC	Ø42	Galvanized	2,0	25,0	27,0
1051	OK1/42/MAL	Ø42	Painted	2,0	25,0	27,0
1052	OK1/48/OC	Ø48	Galvanized	2,0	25,0	27,0
1053	OK1/48/MAL	Ø48	Painted	2,0	25,0	27,0
1054	OK1/60/OC	Ø60	Galvanized	2,0	25,0	27,0
1055	OK1/60/MAL	Ø60	Painted	2,0	25,0	27,0

Material: steel, galvanized.

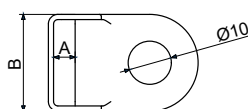
Standard Color

RAL 9005 6005 7016



Auxiliary clips

Auxiliary clip for metal band or clamp



ART.NO.	TYPE	DESCRIPTION	COATING	A [mm]	B [mm]
1115	Clip 20/OC	Clip for bands	Galvanized	5,1	20,0
1116	Clip 20/MAL	Clip for bands	Painted	5,1	20,0
1118	Clip 25/OC	Clip for bands	Galvanized	5,25	25,0
1119	Clip 25/MAL	Clip for bands	Painted	5,25	25,0

Material: steel, galvanized.

Use:

- ▶ forming of an additional holder on band or clamp.

Standard Color

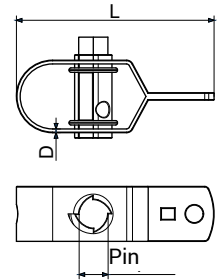
RAL 9005 6005 8028 7016



Wire tensioner



For wrench 10



ART.NO.	TYPE	PIN	COATING	D [mm]	L [mm]
1090	NS90/OC	Ø14	Galvanized	1,5	90,0
1091	NS90/MAL	Ø14	Painted	1,5	90,0

Material: steel, galvanized.

Standard Color

RAL 9005 6005 7016

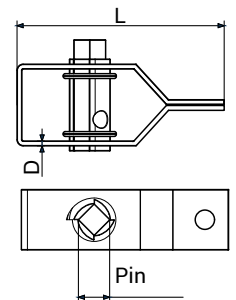


Drahtspanner verstaerkt

Wire tensioner reinforced



For wrench 10



ART.NO.	TYPE	PIN	COATING	D [mm]	L [mm]
1208	WNS90/OC	Ø14	Galvanized	2,0	90,0
1209	WNS90/MAL	Ø14	Painted	2,0	90,0

Material: steel, galvanized.

Standard Color

RAL 9005 6005 7016



Tension bar PCV



ART.NO.	TYPE	DESCRIPTION [mm]
1301	Stange 8 x 1050/PCV/color*	8 x 1050
1303	Stange 8 x 1300/PCV/color*	8 x 1300
1305	Stange 8 x 1550/PCV/ color*	8 x 1550
1307	Stange 8 x 1850/PCV/color*	8 x 1850

Material: PVC-coated steel bar.

Use:

► for coupling of braided mesh

* Standard Color

RAL 7040 6005



* Option Color:

RAL 9005 7016



Fixing bolt



ART.NO.	TYPE	DESCRIPTION	COATING
1117	Fixing bolt O	Fixing bolt for tensioning bar.	Galvanized
1308	Fixing hook bolt U	Fixing bolt for coupling flat.	Galvanized

Material: steel, galvanized.

Comes with bolt, 2x nut and washer.

Barbed wire connector



ART.NO.	TYPE	COATING
1144	ZDK	Galvanized

Material: galvanized steel.

USE

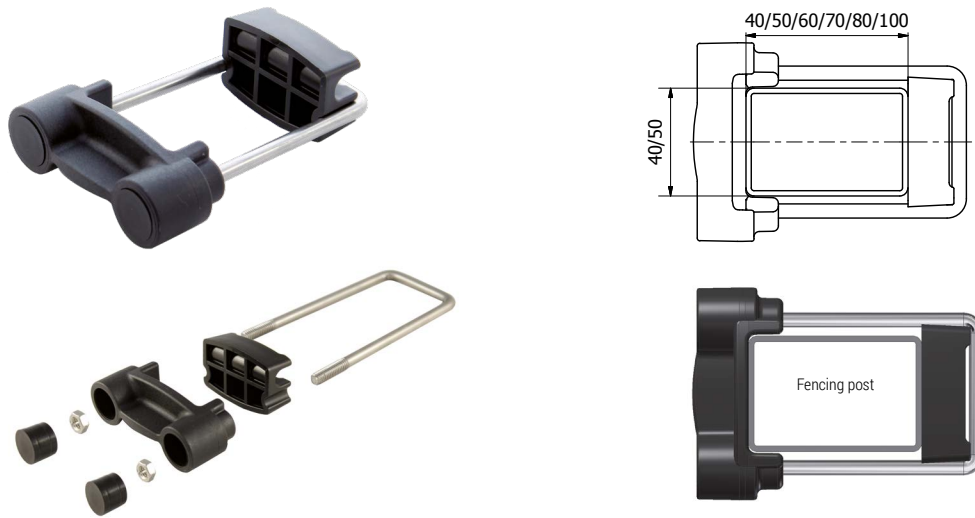
Accessories for installation of fencing mesh



Accessories for installation of fencing panels



Clamp connector for panel fencings fixing

HOLE MA-
SKING CAPS

Material: Polyamide PA

NUTS M6



Stainless steel

REAR MOUNTING



Polyamide PA

HEAD MOUNTING



Polyamide PA

U-BOLT CLAMP



Stainless steel

ART.NO.	TYPE	POST	U-BOLT CLAMP
1900	ZZ 40 x 40	40 x 40	A2
1901	ZZ 40 x 50	40 x 50	A2
1902	ZZ 40 x 60	40 x 60	A2
1903	ZZ 40 x 80	40 x 80	A2
1904	ZZ 40 x 100	40 x 100	A2
1905	ZZ 50 x 50*	50 x 50	A2
1906	ZZ 50 x 70*	50 x 70	A2
1907	ZZ 50 x 100*	50 x 100	A2

Clamp connector for mounting of fencing panels on the post. Widely used in industrial, sports, public and private property fencings.

Use:

- ▶ very solid coupling of panels (2D panels type 6/5/6 or 8/6/8 and all 3D panel types) with fencing post,
- ▶ attractive design,
- ▶ freeze-resistant,
- ▶ UV-resistant,
- ▶ U-bolt clamp and nuts made of stainless steel A2,
- ▶ made of very robust plastic PA.

* Available upon request

Standard Color
RAL 9005

USE

Modern fencing

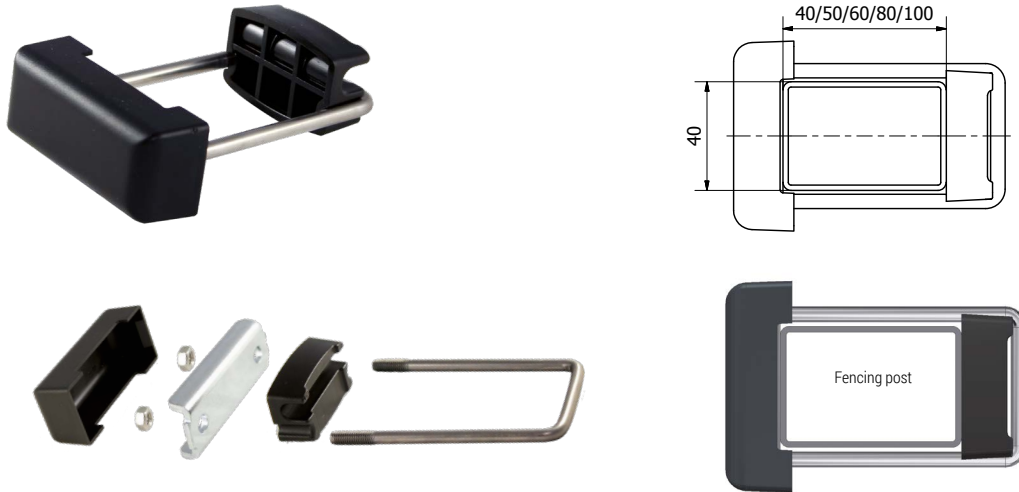
Durable and reliable mounting

Resistant to weather conditions



Accessories for installation of fencing panels

Metal clamp connector with a lining for panel fencings fixing



MASKING CAP



Material:

ABS

NUTS M6



Stainless steel

SADDLE

Galvanized steel
Stainless steel

HEAD MOUNTING



Polyamide PA

U-BOLT CLAMP



Stainless steel

Metal clamp connector for mounting of fencing panels on the post. Widely used in industrial, sports, public and private property fencings.

ART.NO.	TYPE	POST	U-BOLT CLAMP	SADDLE*
2186	ZZM 40 x 40	40 x 40	A2	Hot-dip galvanized
2187	ZZM 40 x 50	40 x 50	A2	Hot-dip galvanized
2188	ZZM 40 x 60	40 x 60	A2	Hot-dip galvanized
2189	ZZM 40 x 80	40 x 80	A2	Hot-dip galvanized
2190	ZZM 40 x 100	40 x 100	A2	Hot-dip galvanized

* Saddle made of stainless steel is also available.

Properties:

- ▶ very solid coupling of panels (2D panels type 6/5/6 or 8/6/8 and all 3D panel types) with fencing post,
- ▶ head mounting made of very robust plastic PA.
- ▶ saddle secured with masking cap made of plastic resistant to weather conditions,
- ▶ attractive design,
- ▶ freeze-resistant,
- ▶ U-bolt clamp and nuts made of stainless steel A2.

Standard Color
RAL 9005



USE

Modern fencing

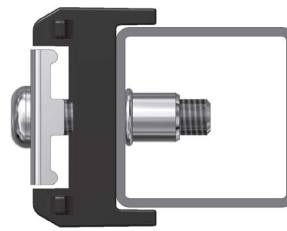
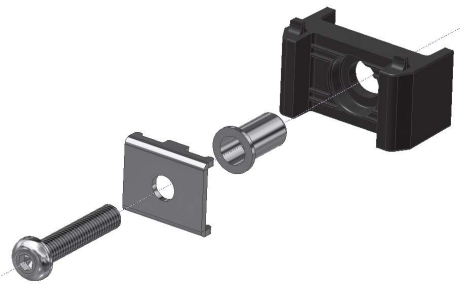
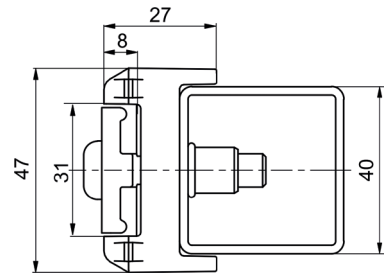
Durable and reliable mounting

Resistant to weather conditions



Accessories for installation of fencing panels

Mounting bracket for fencing panels with zn pressure platen



BOLT M8x40



Material:

Stainless steel
A2PRESSURE
PLATENGalvanized steel
Stainless steel

RIVET NUT



Galvanized

BRACKET

PP Copo.
Polyamide PA

Mounting bracket with pressure platen is designed for mounting fencing panels on fencing post. Widely used in industrial, sports, public and private property fenceings.

ART.NO.	TYPE	MATERIAL	PRESSURE PLATEN
1920	UMM 40/PP/OC	PP Copo.	Galvanized
1921	UMM 40/PA/OC	Polyamide PA	Galvanized
2159	UMM 40/PP/A2	PP Copo.	Stainless steel
2160	UMM 40/PA/A2	Polyamide PA	Stainless steel

Install mounting brackets under each or selected row of single or double, horizontal bars of fencing panel:

1. In the post, drill $\varnothing 11$ mm hole.
2. Rivet the plastic bracket on the post using rivet nut. **Standard blind rivet nut for the profile with wall thickness 1 up to 2 mm, (custom made option for the thickness 2 up to 4 mm).**
3. Hang fencing panels on the installed bracket.
4. Screw the whole fencing using front- or rear-mounted pressure platen.

Standard Color

RAL 9005 6005 8028 7016



USE

Modern fencing

Durable and reliable mounting

Resistant to weather conditions



Front-mounted pressure platen

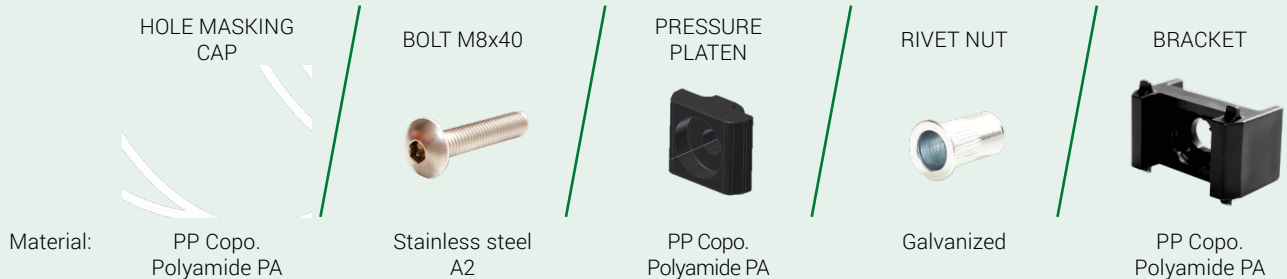
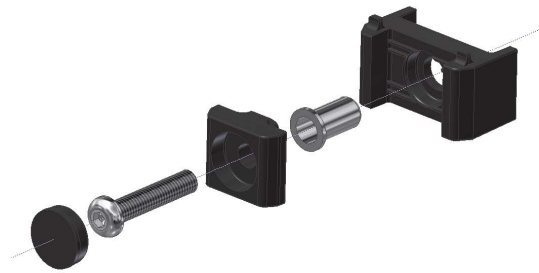
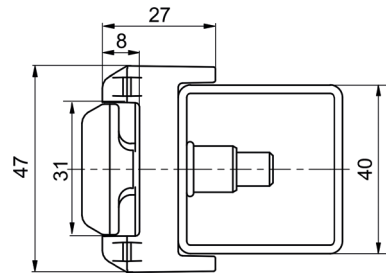


Rear-mounted pressure platen



Accessories for installation of fencing panels

Mounting bracket for fencing panels with plastic tightening pad-plate



Mounting bracket with plastic pressure platen is designed for mounting fencing panels on fencing post. Widely used in industrial, sports, public and private property fences.

ART.NO.	TYPE	MATERIAL	PRESSURE PLATEN
1940	UMT 40/PP/PP	PP Copo.	PP Copo.
1941	UMT 40/PA/PA	Polyamide PA	Polyamide PA

Install mounting brackets under each or selected row of single or double, horizontal bars of fencing panel.

1. ein Loch Ø11 mm im Pfosten einbohren,
2. Rivet the plastic bracket on the post using rivet nut. **Standard blind rivet nut for the profile with wall thickness 1 up to 2 mm, (custom made option for the thickness 2 up to 4 mm).**
3. Hang fencing panels on the installed bracket.
4. Screw the whole fencing using pressure platen made of durable plastic.

Standard Color
RAL 9005 6005 8028 7016



USE

Modern fencing

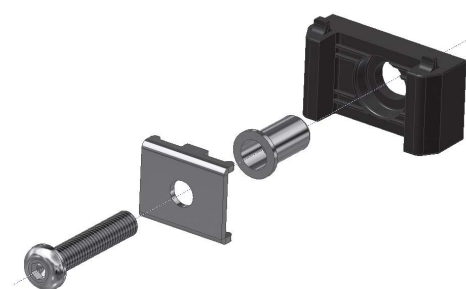
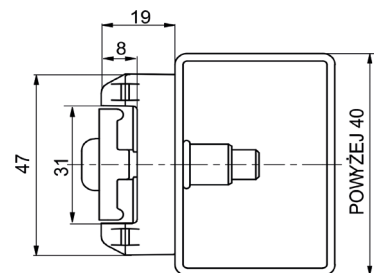
Durable and
reliable mounting

Resistant
to weather conditions



Accessories for installation of fencing panels

Mounting corner bracket for fencing panels with steel tightening pad-plate



BOLT M8x40



Material:

Stainless steel
A2PRESSURE
PLATENGalvanized steel
Stainless steel

RIVET NUT



Galvanized

BRACKET

PP Copo.
Polyamide PA

Install mounting corner bracket for fencing panels with steel tightening pad-plate on all corner fencing posts. The bracket can be used on posts wider than 40mm, too. Used in industrial, sports, public and private property fences.

ART.NO.	TYPE	MATERIAL	PRESSURE PLATEN
1930	UMNM 40/PP/OC	PP Copo.	Galvanized
1931	UMNM 40/PA/OC	Polyamide PA	Galvanized
2161	UMNM 40/PP/A2	PP Copo.	Stainless steel
2162	UMNM 40/PA/A2	Polyamide PA	Stainless steel

Install mounting corner brackets under each or selected row of single or double, horizontal bars of fencing panel.

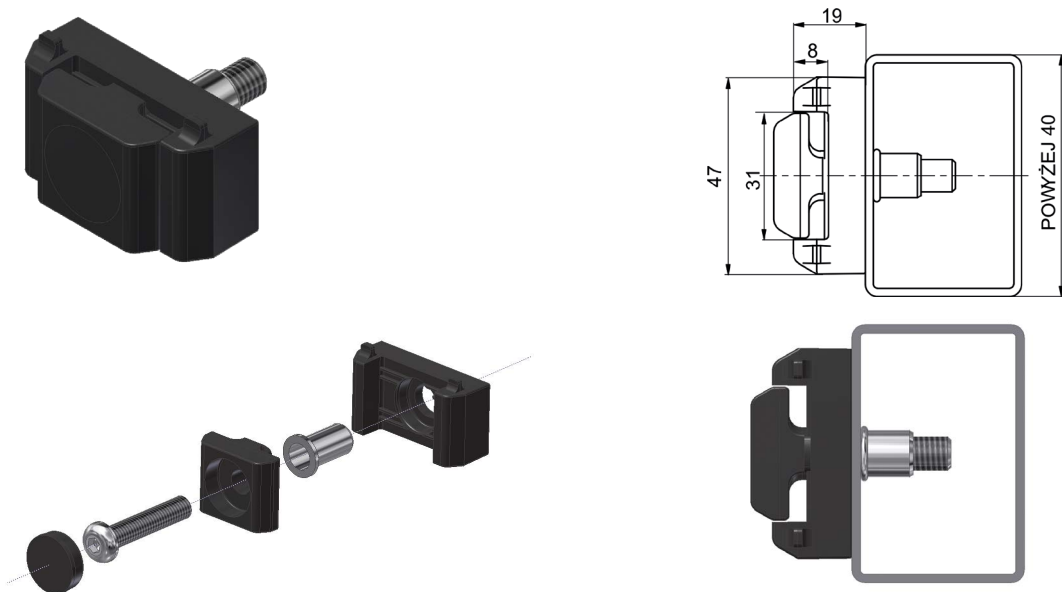
1. In the post, drill $\varnothing 11$ mm hole.
2. Rivet the plastic bracket on the post using rivet nut. **Standard blind rivet nut for the profile with wall thickness 1 up to 2 mm, (custom made option for the thickness 2 up to 4 mm).**
3. Hang fencing panels on the installed bracket.
4. Screw the whole fencing using front- or rear-mounted pressure platen.

Standard Color

RAL 9005 6005 8028 7016



Mounting corner bracket for fencing panels with plastic tightening pad-plate



MASKING CAP

BOLT M8x40

PRESSPLATTE

RIVET NUT

BRACKET

Material: PP Copo.
Polyamide PA.

Stainless steel
A2

PP Copo.
Polyamide PA.

Galvanized

PP Copo.
Polyamide PA.

Install mounting corner bracket for fencing panels with plastic tightening pad-plate on all corner fencing posts. The bracket can be used on posts wider than 40mm, too. Used in industrial, sports, public and private property fenceings.

ART.NO.	TYPE	MATERIAL	PRESSURE PLATEN
1950	UMNT 40/PP/PP	PP Copo.	PP Copo.
1951	UMNT 40/PA/PA	Polyamide PA	Polyamide PA

Install mounting corner brackets under each or selected row of single or double, horizontal bars of fencing panel.

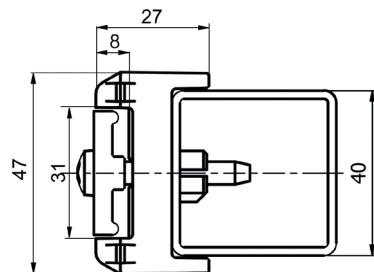
1. In the post, drill $\varnothing 11$ mm hole.
2. Rivet the plastic bracket on the post using rivet nut. **Standard blind rivet nut for the profile with wall thickness 1 up to 2 mm, (custom made option for the thickness 2 up to 4 mm).**
3. Hang fencing panels on the installed bracket.
4. Screw the whole fencing using pressure platen made of durable plastic.

Standard Color

RAL 9005 6005 8028 7016



Mounting stay bracket with metal clamp for fencing panels



Screw 5,5x38

CROSS-HEAD
SCREW 5,5x38

Material:

Galvanized

CLAMP

Galvanized
Stainless steel

STAY

PP Copo.
Polyamide PA

BRACKET

PP Copo.
Polyamide PA

Mounting bracket with metal clamp for fencing panels with post of type: 3 D - Ø 4,5,6 and type 2D 6/5/6 and 8/6/8. Widely used in industrial, sports, public and private premises fencing.

ART.NO..	TYPE	MATERIAL	CLAMP
3160	UMMR 40/PP/OC	PP Copo.	Galvanized
3161	UMMR 40/PA/OC	Polyamide PA	Galvanized
3162	UMMR 40/PP/A2	PP Copo.	Stainless steel
3163	UMMR 40/PA/A2	Polyamide PA	Stainless steel

The mounting brackets are mounted under each or selected row of single or double horizontal fencing panel bars:

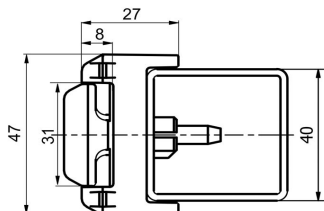
1. Drill the Ø11 hole mm in the post.
2. Fasten the bracket on the post by means of a stay.
3. Hang the fencing panels on the mounted bracket.
4. Fix all together in front or at the back by means of a screw and clamp.

Standard Color

RAL 9005 6005 8028 7016



Mounting stay bracket with plastic clamp for fencing panel



HOLE PLUG



Material:
PP Copo.
Polyamide PA

CROSS-HEAD
SCREW 5,5x38

Galvanized

CLAMP



PP Copo.
Polyamide PA

STAY



PP Copo.
Polyamide PA

BRACKET



PP Copo.
Polyamide PA

Mounting bracket with plastic clamp for fencing panel with post of type: p 3 D - Ø 4,5,6 and type 2D 6/5/6 and 8/6/8. Widely used in industrial, sports, public and private premises fencing.

ART.-NR	TYPE	MATERIAL	CLAMP
3164	UMTR 40/PP/PP	PP Copo.	PP Copo.
3165	UMTR 40/PA/PA	Polyamide PA	Polyamide PA

The mounting brackets are mounted under each or selected row of single or double horizontal fencing panel bars:

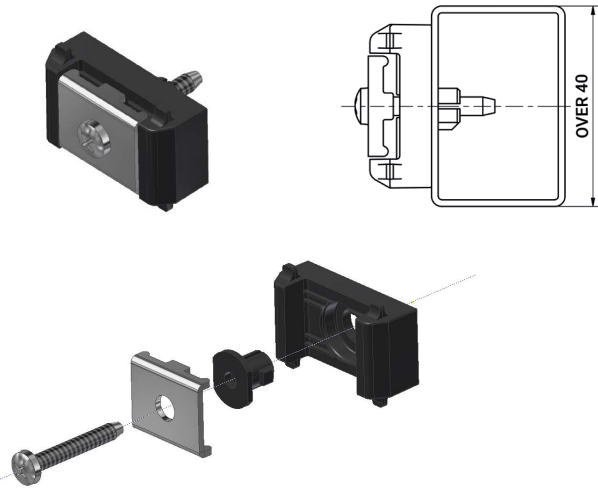
1. Drill the Ø11 hole mm in the post.
2. Fasten the bracket on the post by means of a stay.
3. Hang the fencing panels on the mounted bracket.
4. Fix all together by means of a screw and clamp.

Standard Color

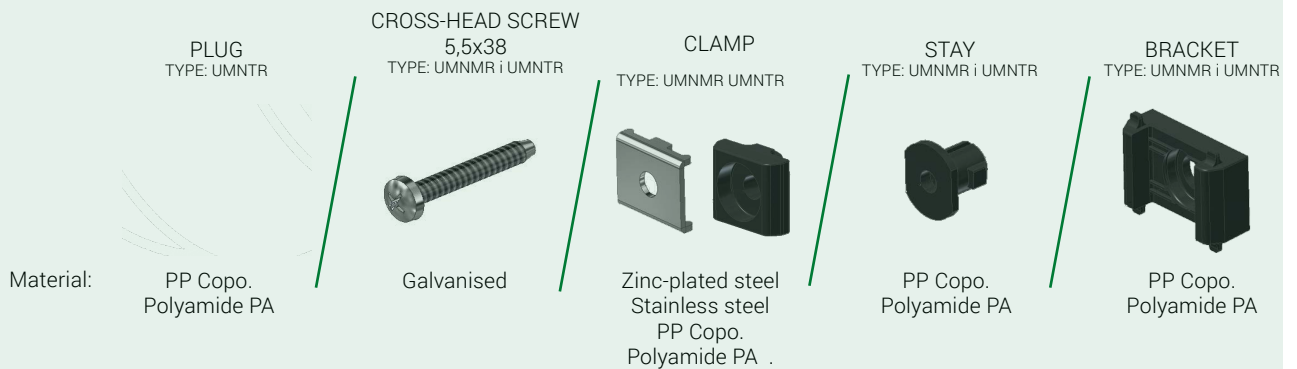
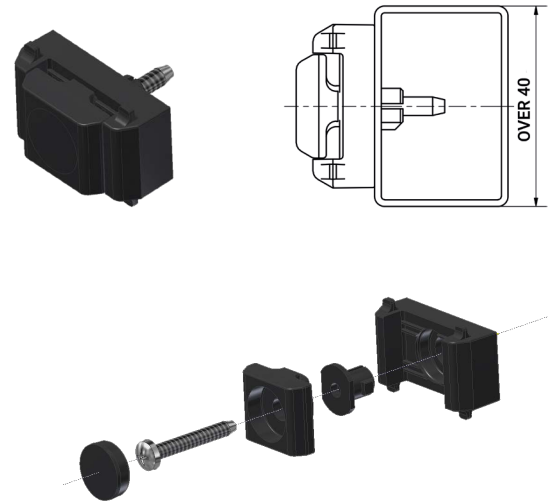
RAL 9005 6005 8028 7016



Corner mounting stay bracket with metal clamp for fencing panels



Corner mounting stay bracket with plastic clamp for fencing panels



Mounting bracket with metal clamp for fencing panels with post of type: 3 D - Ø 4,5,6 and type 2D 6/5/6 and 8/6/8. Widely used in industrial, sports, public and private premises fencing.

ART.NO.	TYPE	MATERIAL	PRESSURE PLATEN	ART.NO.	TYPE	MATERIAL	CLAMP
3166	UMNMR 40/PP/OC	PP Copo.	Galvanized	3170	UMNTR 40/PP/PP	PP Copo.	PP Copo
3167	UMNMR40/PA/OC	Polyamide PA	Galvanized	3177	UMNTR 40/PA/PA	Polyamide PA	Polyamide PA
3168	UMNMR 40/PP/A2	PP Copo.	Stainless steel				
3169	UMNMR 40/PA/A2	Polyamide PA	Stainless steel				

The mounting brackets are mounted under each or selected row of single or double horizontal fencing panel bars:

1. Drill the Ø11 hole mm in the post.
2. Fasten the bracket on the post by means of a stay.
3. Hang the fencing panels on the mounted bracket.
4. Fix all together in front or at the back by means of a screw and clamp.

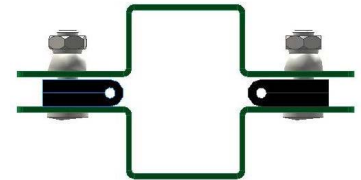
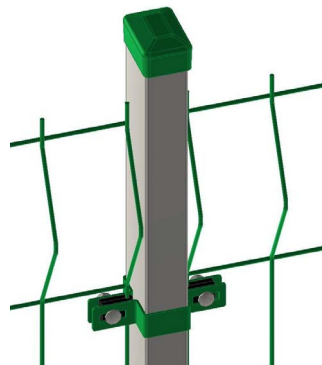
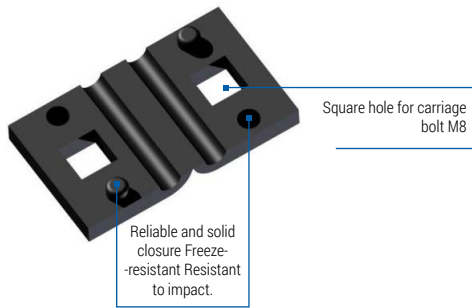
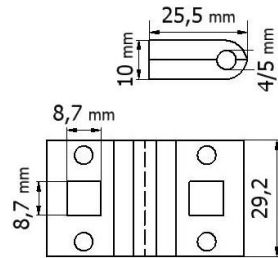
Standard Color
RAL 9005 6005 8028 7016



Accessories for do-it-yourself completing

ART.NO.	TYPE	NAME	MATERIAL	
3172	UM/PP	Mounting bracket for UM	PP Copo.	
3173	UM/PA		Polyamide PA	
3174	UMN/PP	Corner mounting bracket for UM	PP Copo.	
3175	UMN/PA		Polyamide PA	
3176	UMR/PP	Stay mounting bracket for UM	PP Copo.	
3177	UMR/PA		Polyamide PA	
3178	UMNR/PP	Corner stay mounting bracket for UM	PP Copo.	
3179	UMNR/PA		Polyamide PA	
3180	Rivet nut L21 Ø 2,5-4,0 for UM	Rivet nut	Galvanized	
3181	Rivet nut L21 Ø 2,5-4,0 for UM			
3182	DM/UM/OC	Metal clamp for UM	Galvanized	
3183	DM/UM/A2		Stainless steel	
3184	DT/UM/PP	Plastic clamp with plug for UM	PP Copo.	
3185	DT/UM/PA		Polyamide PA	
3186	DTW/UM/PP	Plastic clamp with plug for self-tapping screw 6,3x38	PP Copo.	
3187	DTW/UM/PA		Polyamide PA	
3188	R/UMR/PP	Stay for UMR	PP Copo.	
3189	R/UMR/PA		Polyamide PA	
3190	Bolt M8x40 for UM	Bolt M8x40 for UM	Stainless steel A2	
3191	Screw 5,5 x38 for UMR	Cross-head screw 5,5x38 for UMR	Galvanized	
3192	Screw 6,3x38 for UM	Self-tapping screw 6,3x38 for UM	Galvanized	

Plastic pad for panel clamp



ART.NO.	TYPE	WIRE
236	DOP 4H30	Ø4
235	DOP 5H30	Ø5

Material: Polyethylene.

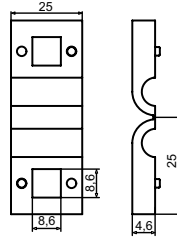
Standard Color
RAL 9005



Option Color
RAL 6005 7016

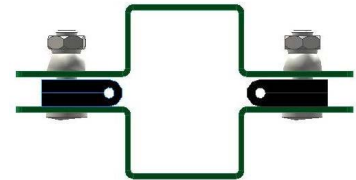
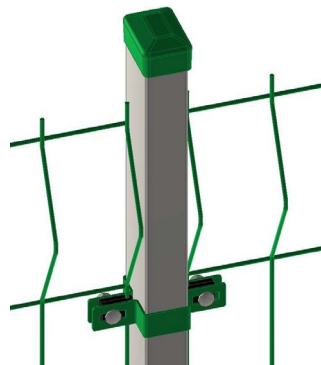


Plastic pad for panel clamp



Square hole for carriage bolt M8

Reliable and solid closure
Freeze-resistant
Resistant to impact



Because of its unique construction, spacer enables very fast installation of panel fencing.

The spacer has studs with projections thanks to which, in the initial step, vertical wire can be closed but not clamped on. Only after being screwed with carriage bolt, the spacer effectively clamps on the bar and disables any movement of the panel against the clamp.

ART.NO.	TYPE	WIRE
3084	DOP 3 H25	Ø3
1960	DOP 4 H25	Ø4
1961	DOP 5 H25	Ø5
3085	DOP 6 H25	Ø6

Material: Polyethylene.

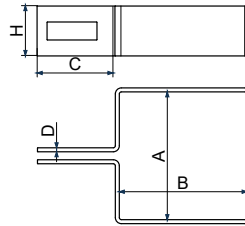
Standard Color
RAL 9005



Option Color
RAL 6005 7016



End clamp



ART.NO.	TYPE	A x B POST	COATING	D [mm]	H [mm]	C [mm]
1314	OK40 x 40/OC	40 x 40	Galvanized	2,0	25,0	41,0
1315	OK40 x 40/MAL	40 x 40	Painted	2,0	25,0	41,0
1316	OK50 x 50/OC	50 x 50	Galvanized	2,0	25,0	41,0
1317	OK50 x 50/MAL	50 x 50	Painted	2,0	25,0	41,0
1070	OK40 x 60/OC	40 x 60	Galvanized	2,0	25,0	41,0
1071	OK40 x 60/MAL	40 x 60	Painted	2,0	25,0	41,0
1072	OK60 x 60/OC	60 x 60	Galvanized	2,0	25,0	41,0
1073	OK60 x 60/MAL	60 x 60	Painted	2,0	25,0	41,0
1074	OK80 x 80/OC	80 x 80	Galvanized	2,0	25,0	41,0
1075	OK80 x 80/MAL	80 x 80	Painted	2,0	25,0	41,0
3087	OK100x100/OC	100x100	Galvanized	1,9	25,0	39,0
3086	OK100x100/MAL	100x100	Painted	1,9	25,0	39,0

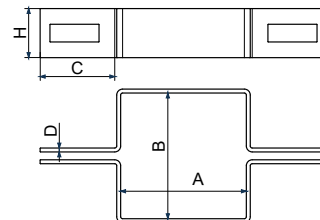
Material: steel, galvanized.

Standard Color

RAL 9005 6005 7016



Intermediate clamp



ART.NO.	TYPE	A x B POST	COATING	D [mm]	H [mm]	C [mm]
1310	OP40 x 40/OC	40 x 40	Galvanized	2,0	25,0	41,0
1311	OP40 x 40/MAL	40 x 40	Painted	2,0	25,0	41,0
1312	OP50 x 50/OC	50 x 50	Galvanized	2,0	25,0	41,0

ART.NO.	TYPE	A x B POST	COATING	D [mm]	H [mm]	C [mm]
1313	OP50 x 50/MAL	50 x 50	Painted	2,0	25,0	41,0
1060	OP40 x 60/OC	40 x 60	Galvanized	2,0	25,0	41,0
1061	OP40 x 60/MAL	40 x 60	Painted	2,0	25,0	41,0
1062	OP60 x 60/OC	60 x 60	Galvanized	2,0	25,0	41,0
1063	OP60 x 60/MAL	60 x 60	Painted	2,0	25,0	41,0
1064	OP80 x 80/OC	80 x 80	Galvanized	2,0	25,0	41,0
1065	OP80 x 80/MAL	80 x 80	Painted	2,0	25,0	41,0

Material: steel, galvanized.

Standard Color

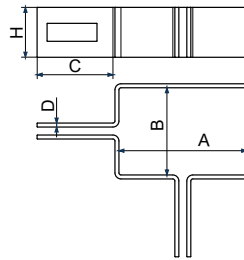
RAL 9005 6005 7016



Corner clamps

GROUP ON

Corner clamp



ART.NO.	TYPE	A x B POST	COATING	D [mm]	H [mm]	C [mm]
1080	ON40 x 60/OC	40 x 60	Galvanized	2,0	25,0	41,0
1081	ON40 x 60/MAL	40 x 60	Painted	2,0	25,0	41,0

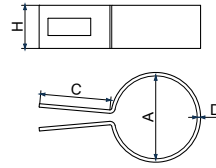
Material: steel, galvanized.

Standard Color

RAL 9005 6005 7016



End clamp



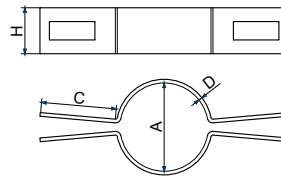
ART.NO.	TYPE	POST	COATING	D [mm]	H [mm]	C [mm]
3148	OK38/OC	Ø38	Galvanized	2,0	25,0	41,0
3149	OK38/MAL	Ø38	Painted	2,0	25,0	41,0
1030	OK42/OC	Ø42	Galvanized	2,0	25,0	41,0
1031	OK42/MAL	Ø42	Painted	2,0	25,0	41,0
1032	OK48/OC	Ø48	Galvanized	2,0	25,0	41,0
1033	OK48/MAL	Ø48	Painted	2,0	25,0	41,0
1034	OK60/OC	Ø60	Galvanized	2,0	25,0	41,0
1035	OK60/MAL	Ø60	Painted	2,0	25,0	41,0

Material: steel, galvanized.

Standard Color
RAL 9005 6005 7016



Intermediate clamp



ART.NO.	TYPE	A POST	COATING	D [mm]	H [mm]	C [mm]
3150	OK38/OC	Ø38	Galvanized	2,0	25,0	41,0
3151	OK38/MAL	Ø38	Painted	2,0	25,0	41,0
1020	OP42/OC	Ø42	Galvanized	2,0	25,0	41,0
1021	OP42/MAL	Ø42	Painted	2,0	25,0	41,0
1022	OP48/OC	Ø48	Galvanized	2,0	25,0	41,0
1023	OP48/MAL	Ø48	Painted	2,0	25,0	41,0
1024	OP60/OC	Ø60	Galvanized	2,0	25,0	41,0
1025	OP60/MAL	Ø60	Painted	2,0	25,0	41,0

Material: steel, galvanized.

Standard Color
RAL 9005 6005 7016



Universal grip



ART.NO.	TYPE	D [mm]	H [mm]	C [mm]	E [mm]	COATING
1125	UU40/OC	2,0	25,0	41,0	14,0	Galvanized
1126	UU40/MAL	2,0	25,0	41,0	14,0	Painted
2106	UU70/OC	2,0	25,0	70,0	14,0	Galvanized
2107	UU70/MAL	2,0	25,0	70,0	14,0	Painted

Material: steel, galvanized.

Use:
 ► coupling fencing panels with post or structure of any size.

Standard Color
 RAL 9005 6005 7016



Fixing bolt/Nut



Carriage bolt

Nut M8

Shear nut

ART.NO.	TYPE	COATING
1127	Carriage bolt M8 x 20 with washer/OC	Galvanized
2108	Carriage bolt M8 x 20 without washer/A2	Stainless steel
1128	Nut M8/OC	Galvanized
2109	Nut M8 nut M8/A2	Stainless steel
1129	Shear nut M8/A2	Stainless steel
2110	Washer M8/A2	Stainless steel

Material: galvanized or stainless steel.

Clip for panel fence/Clip for panel fence



Auxiliary clip



Clip



Clip 1/2



ART.NO.	TYPE	COATING
1120	Auxiliary clip/A2	Stainless steel
1121	Auxiliary clip/MAL	Stainless steel painted
1122	Clip/OC	Galvanized
1123	Clip/MAL	Painted
1131	Clip 1/2/OC	Galvanized
1132	Clip 1/2/MAL	Painted

Material: galvanized or stainless steel.

Use:

- ▶ mounting panel on gate, wicket frame.

Standard Color

RAL 9005 6005 7016



Metal clip for panel fence



Metal clip
TYPE 1



Metal clip
TYPE 2



Hook bolt M8 x 80
TYPE 3



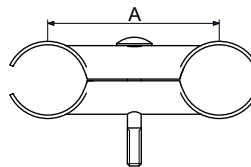
ART.NO.	TYPE	COATING
1124	Metal clip screwed, bolt-fixed TYPE 1	Stainless steel
1130	Metal clip screwed, bolt-fixed TYP2	Galvanized
1210	Hook bolt M8 x 80 for post TYPE 3	Stainless steel

Material: galvanized or stainless steel

Temporary clamps

GROUP OPP

Intermediate clamp for temporary fences



ART.NO.	TYPE	COLOR	POST	REMARKS
1249	OPP/OC. GAL.	Galvanized	Ø42 Ø48	Bolt not included
2142	OPP/OC. OGN.	Hot-dip galvanized	Ø42 Ø48	Bolt not included

Material: galvanized or hot-dip galvanized steel.

Label for product labeling



ART.NO.	TYPE	DIMENSIONS
1145	ET 28/74	28 x 74
1146	ET 45/74	45 x 74

Material: Polyethylene or Polypropylene – as ordered.

Properties:

- ▶ label enabling legible and aesthetic description of products,
- ▶ possibility to provide imprints using various methods: engraving, silk-screen printing, pad printing, sticker.

Standard Color: RAL colour guide. Custom-made.

Spacer for fence panels transportation



ART.NO.	TYPE
1147	PTP

Material: Polypropylene.

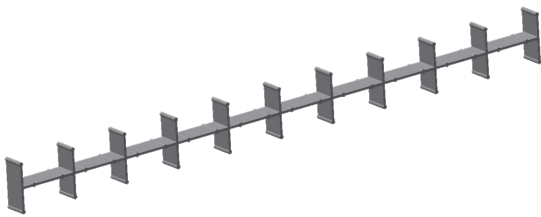
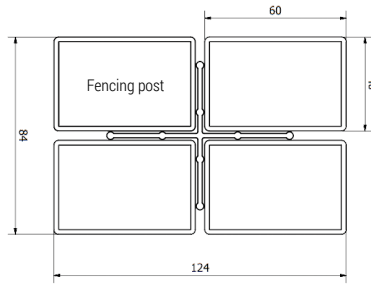
Standard Color
RAL 9005



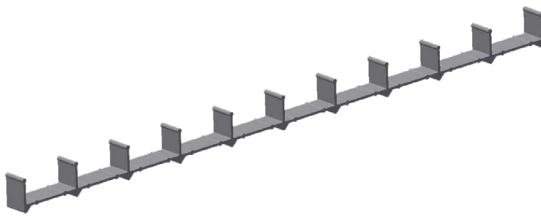
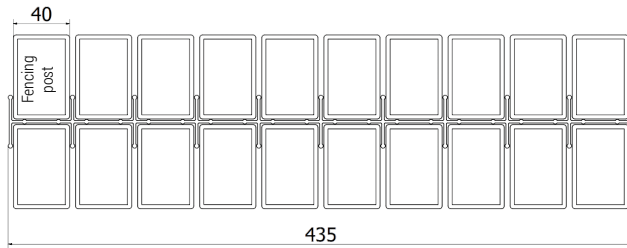
Spacer for posts transportation



PT40/4



PT40/10/A



PT40/10/B

ART.NO.	TYPE
1148	PT 40/4
1149	PT 40/10/A
1150	PT 40/10/B

Material: Polyethylene or Polypropylene.

Properties: spacers are used to protect painted fencing posts during their transportation.

Standard Color
RAL 9005



Plinth plate edging



ART.NO.	TYPE	A [mm]	h [mm]	WALL THICKNESS
1151	OE 33	36	192	1
1152	OE 42	45	192	1
1153	OE 60	63	192	1

Material: galvanized steel.

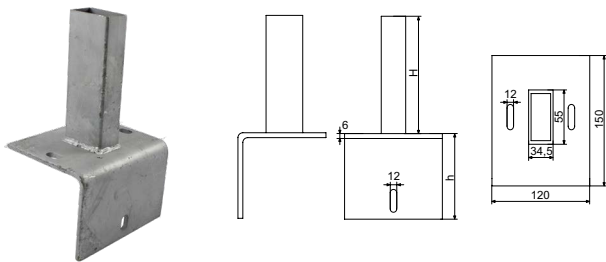
Properties:

- ▶ edgings made of metal sheet with thickness of 1 mm,
- ▶ used to mount fencing plates on the ground level.

GROUP POS

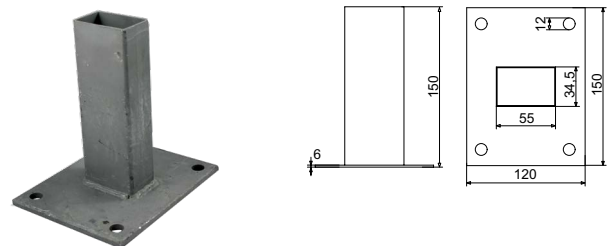
Feet for post

Angular foot for post



ART.NO.	TYPE
1154	POS/K

Plane foot for post



POS/P

ART.NO.	TYPE
1155	POS/P

Material: hot-dip galvanized steel.

Eigenschaften: Properties:

- ▶ foot enables fixing of fencing post on hardened and levelled surfaces,
- ▶ after fixing on the ground, on the protruding profile a post made from tubing 40x60x2 can be inserted and protected using self-drilling screw.

Use:

- ▶ partition walls on halls, cubicles on yards, fencing with foundation.

NEW

Fence strips

Fence strips

End clip for tape strips of 190 cm width



Fence strips are considered an innovative solution enabling formation of modern, aesthetic and functional fencing systems for those who wish to maintain privacy within their properties, in gardens or on terraces.

Attractive finishing of fence strips in panel systems.

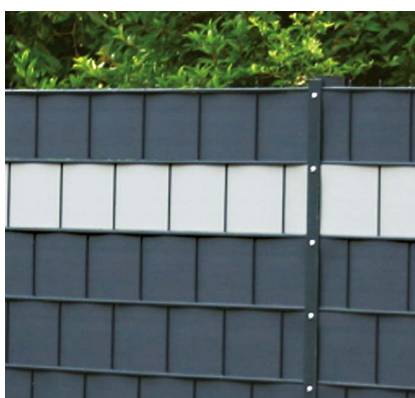
One package contains 10x clips.

Fence strips, as the only on the Polish market, are made of strong, biodegradable and UV-resistant polypropylene.

Two types of strip textures are available: smooth or rattan.



The fence strips mounted on the fencing panels.



The fence strips mounted on the fencing mesh.

ART.NO.	TYPE	DESCRIPTION	PACKAGE
1160	TAS/47,5/A	Fence strip smooth, width 47,5 mm x 50 mb	1 package 50 mb
2163	TAS/47,5/B	Fence strip rattan, width 47,5 mm x 50 mb	1 package 50 mb
1161	TAS/95/A	Fence strip smooth, width 95 mm (2 rolki po 26 mb)	1 package 52 mb
2164	TAS/95/B	Fence strip rattan, width 95 mm (2 rolki po 26 mb)	1 package 52 mb
1162	TAS/190/A	Fence strip smooth, width 190 mm x 26 mb	1 package 26 mb
2165	TAS/190/B	Fence strip rattan, width 190 mm x 26 mb	1 package 26 mb
2166	TAS/klips/190	End clip for strips, width 90 mm	1 package 10 szt.

Material: Polypropylene.

Use: panel systems, mesh fencings, railings.

Properties:

- ▶ innovative, modern fencing shield,
- ▶ UV-resistant,
- ▶ maintenance-free.

Strip texture:

TYPE/A – smooth

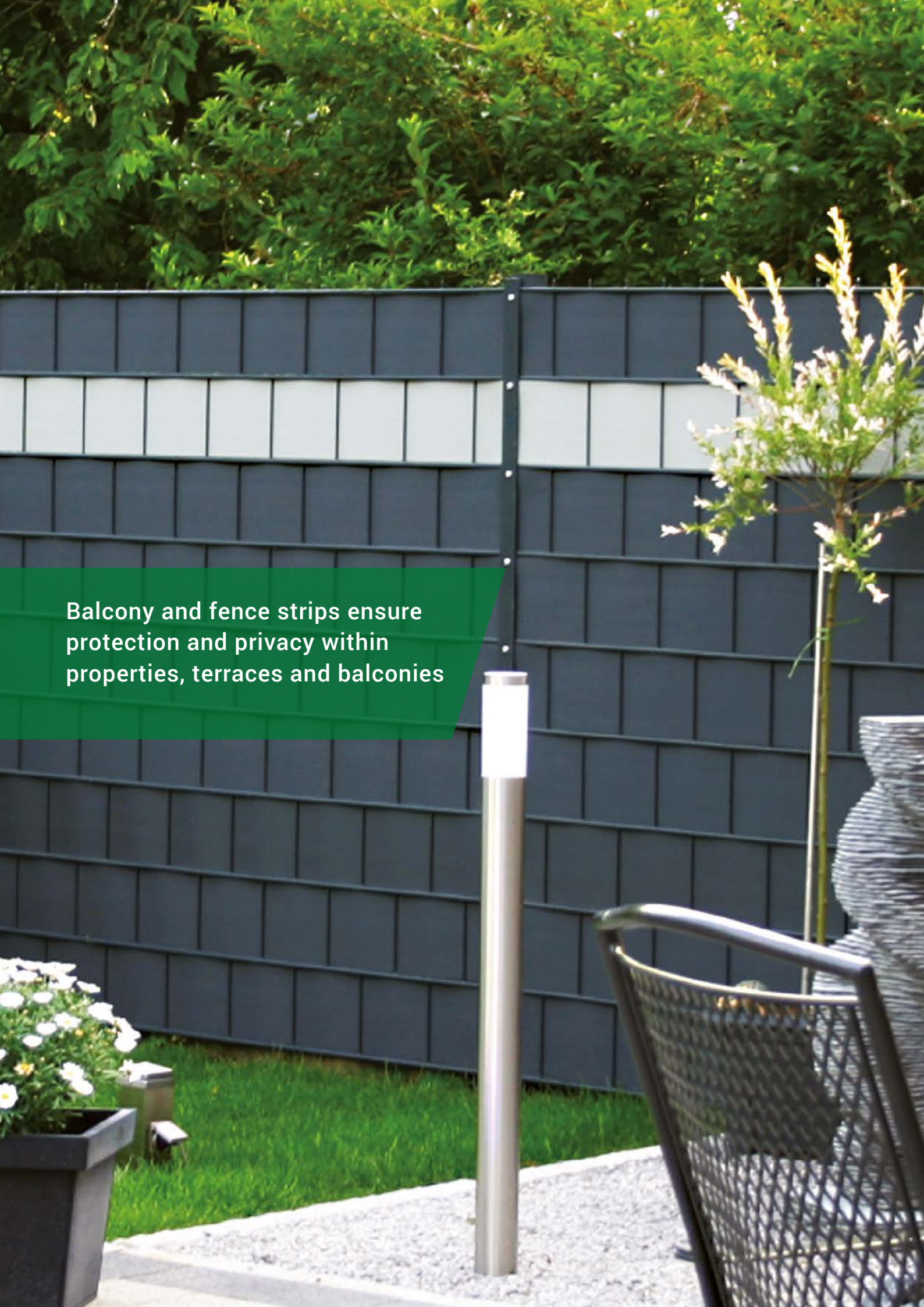


TYPE/B – rattan



Standard Color
RAL



A photograph of a modern outdoor terrace. In the background, a dark grey fence with horizontal slats and a central vertical post runs across the frame. A glowing light pole stands in the foreground. To the left, a potted plant with white flowers sits on a concrete ledge. To the right, a metal mesh chair is visible. The scene is set against a backdrop of lush green foliage.

Balcony and fence strips ensure protection and privacy within properties, terraces and balconies

Accessories for sliding
and swinging gates

 Tulplast®







NEW

**INNOVATIVE
PROTECTION**



**Secure cover made of
durable ABS material**

Secure cover of gate's carriage



TYPE OZPW/A



TYPE OZPW/B



Secure cover of gate's carriage protects the carriage's base against adverse weather conditions, corrosion and has good effect on the gate's aesthetics. Catches enable quick installation and removal of the casing.

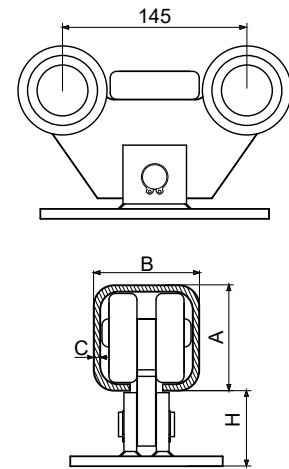
ART.NO.	TYPE/ROLLERS	NAME	SECURE COVER OF CARRIAGE
1170	OZPW/A	Secure cover of gate's carriage/A	W-02/M W-04/M
1171	OZPW/B	Secure cover of gate's	W-06/M W-08/M W-09/M

Material: ABS.

Standard Color
RAL 7016



Swinging carriage



ART.NO.	TYPE/ROLLERS	H [mm]	A [mm]	B [mm]	C [mm]
001	W-02/M Polyamide	64	80	80	5
002	W-02/M Polyamide	64	80	80	4
003	W-02/M Polyamide	69	70	70	4
090	W-02/MS Stahl	64	80	80	5
1170	OZPW/A	Secure cover of gate's carriage*			

Material: galvanized steel.

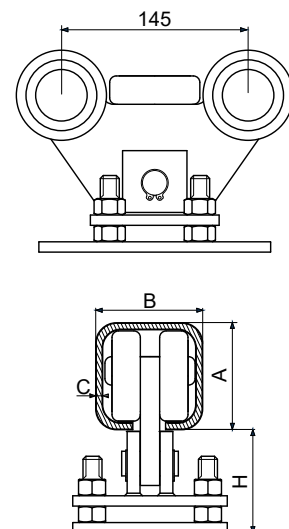
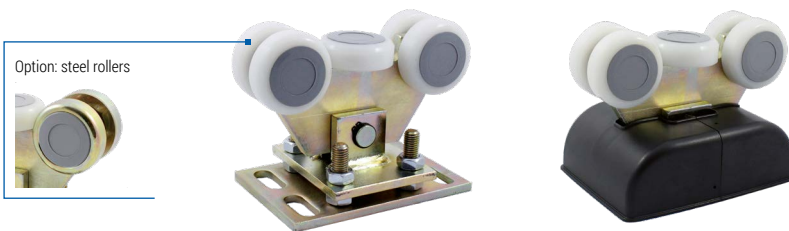
Gate's capacity 400kg

Gate's clear length 3÷5.

Assembling plate: TYPE "A" – standard p. 141.

* Carriage sold without secure cover. It is recommended to install secure cover made of ABS.

Swinging regulated carriage



ART.NO.	TYPE/ROLLERS	H [mm]	A [mm]	B [mm]	C [mm]
004	W-04/M Polyamide	90–110	80	80	5
005	W-04/M Polyamide	90–110	80	80	4
006	W-04/M Polyamide	95–115	70	70	4
091	W-04/MS Stahl	90–110	80	80	5
1170	OZPW/A	Secure cover of gate's carriage*			

Material: galvanized steel.

Gate's capacity 400kg.

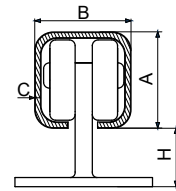
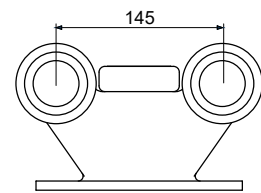
Gate's clear length 3÷5.

Assembling plate: TYPE "A" – standard.

Assembling plate: TYPE "B" – option p. 141..

* Carriage sold without secure cover. It is recommended to install secure cover made of ABS.

Steady carriage



ART.NO.	TYPE/ROLLERS	H [mm]	A [mm]	B [mm]	C [mm]
007	W-05/M Polyamide	53	80	80	5
008	W-05/M Polyamide	53	80	80	4
009	W-05/M Polyamide	58	70	70	4
092	W-05/MS Stahl	53	80	80	5

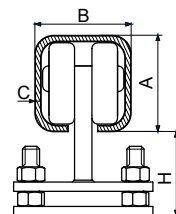
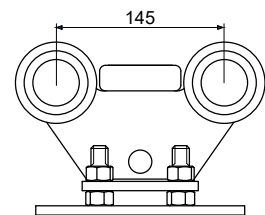
Material: galvanized steel.

Gate's capacity 400kg.

Gate's clear length 3÷5.

Assembling plate: TYPE "A" – standard p. 141.

Steady regulated carriage



ART.NO.	TYPE/ROLLE	H [mm]	A [mm]	B [mm]	C [mm]
010	W-06/M Polyamide	73-93	80	80	5
011	W-06/M Polyamide	73-93	80	80	4
012	W-06/M Polyamide	78-98	70	70	4
093	W-06/MS Stahl	73-93	80	80	5
1171	OZPW/B				Secure cover of gate's carriage*

Material: galvanized steel.

Gate's capacity 400kg.

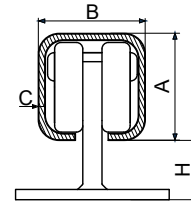
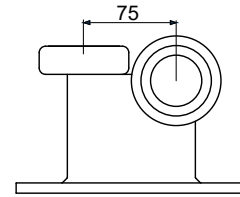
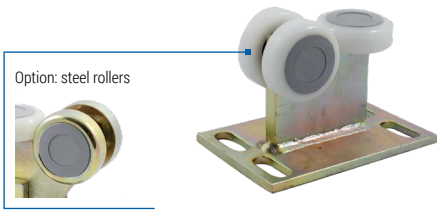
Gate's clear length 3÷5.

Assembling plate: TYPE "A" – standard.

Assembling plate: TYPE "B" – option p. 141.

* Carriage sold without secure cover. It is recommended to install secure cover made of ABS.

Steady carriage



ART.NO.	TYPE/ROLLE	H [mm]	A [mm]	B [mm]	C [mm]
013	W-07/M Polyamide	53	80	80	5
014	W-07/M Polyamide	53	80	80	4
015	W-07/M Polyamide	58	70	70	4
094	W-07/MS Stahl	53	80	80	5

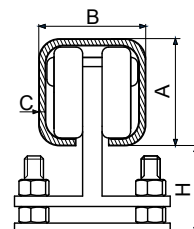
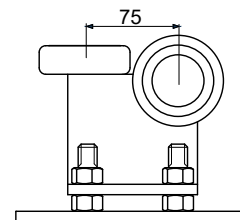
Material: galvanized steel.

Gate's capacity 180 kg.

Gate's clear length 3÷4.

Assembling plate: TYPE "A" – standard p. 141.

Steady regulated carriage



ART.NO.	TYPE/ROLLE	H [mm]	A [mm]	B [mm]	C [mm]
016	W-08/M Polyamide	73-93	80	80	5
017	W-08/M Polyamide	73-93	80	80	4
018	W-08/M Polyamide	78-98	70	70	4
095	W-08/MS Stahl	73-93	80	80	5
1171	OZPW/B				Secure cover of gate's carriage*

Material: galvanized steel.

Gate's capacity 180 kg..

Gate's clear length 3÷4.

Assembling plate: TYPE "A" – standard..

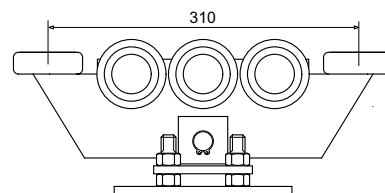
Assembling plate: TYPE "B" – option p. 141.

* Carriage sold without secure cover. It is recommended to install secure cover made of ABS.

Swinging regulated carriage



ART.NO.	TYPE/ROLLE	H [mm]	A [mm]	B [mm]	C [mm]
150	W-09/M Polyamide	85-105	80	80	5
151	W-09/M Polyamide	85-105	80	80	4
152	W-09/M Polyamide	90-110	70	70	4
096	W-09/MS Stahl	85-105	80	80	5
1171	OZPW/B	Secure cover of gate's carriage*			



Material: galvanized steel.

Gate's capacity 600 kg.
 Gate's clear length 4.5÷7.
 Assembling plate: TYPE "A" – standard.
 Assembling plate: TYPE "B" – option p. 141.

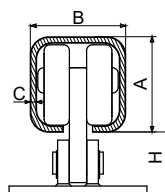
* Carriage sold without secure cover. It is recommended to install secure cover made of ABS.

Carriages of strengthened construction

Swinging carriage



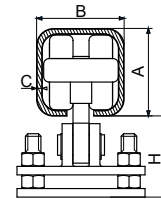
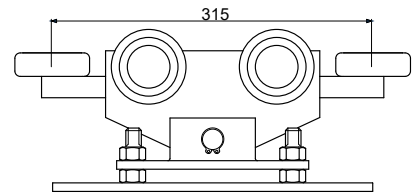
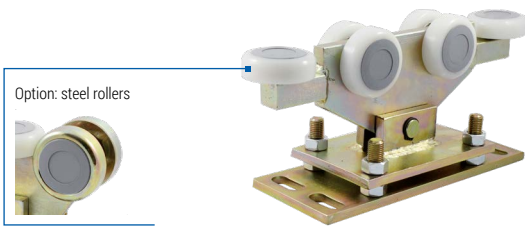
ART.NO.	TYPE/ROLLE	H [mm]	A [mm]	B [mm]	C [mm]
019	W-02 Poliamid	67	80	80	5
020	W-02 Poliamid	67	80	80	4
021	W-02 Poliamid	57	100	90	4
085	W-02 Poliamid	57	100	90	5
099	W-02 S Stal	67	80	80	5



Material: galvanized steel.

Gate's capacity 400kg.
 Gate's clear length 4÷6.
 Assembling plate: TYPE "B" – standard p. 141.

Swinging regulated carriage



ART.NO.	TYPE/ROLLE	H [mm]	A [mm]	B [mm]	C [mm]
166	W-03 Poliamid	93-109	80	80	5
167	W-03 Poliamid	93-109	80	80	4
168	W-03 Poliamid	83-99	100	90	4
086	W-03 Poliamid	83-99	100	90	5
169	W-03 S Stal	93-109	80	80	5

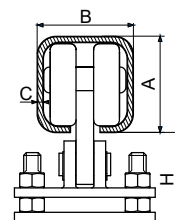
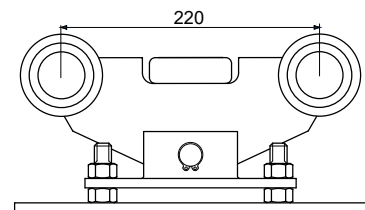
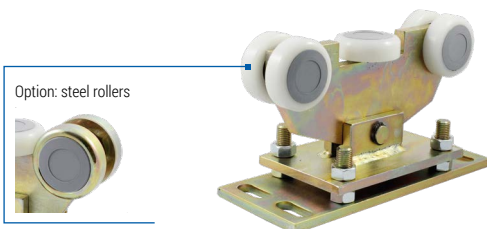
Material: galvanized steel.

Gate's capacity 400kg.

Gate's clear length 4÷6.

Assembling plate: TYPE "B" – standard p. 141.

Swinging regulated carriage



ART.NO.	TYPE/ROLLE	H [mm]	A [mm]	B [mm]	C [mm]
023	W-04 Poliamid	93-109	80	80	5
024	W-04 Poliamid	93-109	80	80	4
026	W-04 Poliamid	83-99	100	90	4
087	W-04 Poliamid	83-99	100	90	5
100	W-04 S Stal	93-109	80	80	5

Material: galvanized steel.

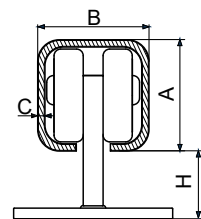
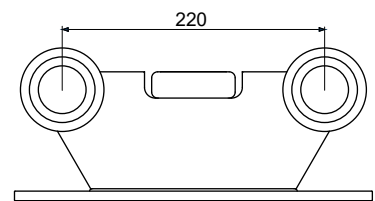
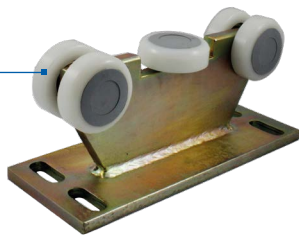
Gate's capacity 400kg.

Gate's clear length 4÷6.

Assembling plate: TYPE "B" – standard p. 141.

Steady carriage

Option: Stahlrollen



ART.NO.	TYPE/ROLLE	H [mm]	A [mm]	B [mm]	C [mm]
027	W-05 Poliamid	63	80	80	5
028	W-05 Poliamid	63	80	80	4
030	W-05 Poliamid	53	100	90	4
101	W-05 S Stal	63	80	80	5

Material: galvanized steel.

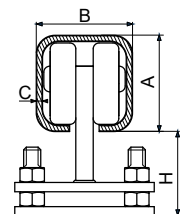
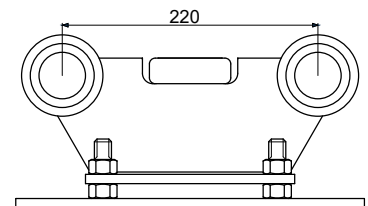
Gate's capacity 400kg..

Gate's clear length 4÷6.

Montageplatte: TYPE „B” - Standard S.141.

Steady regulated carriage

Option: steel rollers



ART.NO.	TYPE/ROLLE	H [mm]	A [mm]	B [mm]	C [mm]
031	W-06 Poliamid	89-105	80	80	5
032	W-06 Poliamid	89-105	80	80	4
034	W-06 Poliamid	77-95	100	90	4
102	W-06 S Stal	89-105	80	80	5

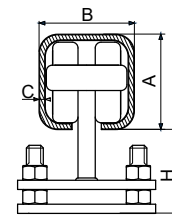
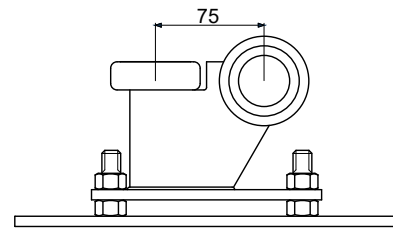
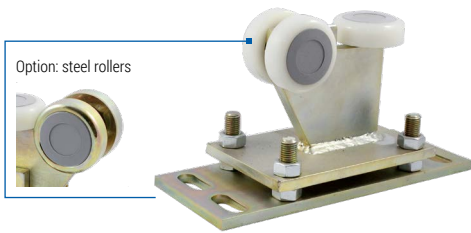
Material: galvanized steel.

Gate's capacity 400 kg.

Gate's clear length 4÷6.

Assembling plate: TYPE "B" – option p. 141.

Steady regulated carriage



ART.NO.	TYPE/ROLLE	H [mm]	A [mm]	B [mm]	C [mm]
035	W-08 Poliamid	89-105	80	80	5
036	W-08 Poliamid	89-105	80	80	4
037	W-08 Poliamid	94-110	70	70	4
103	W-08 S Stal	89-105	80	80	5

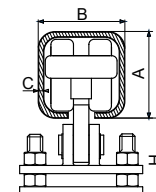
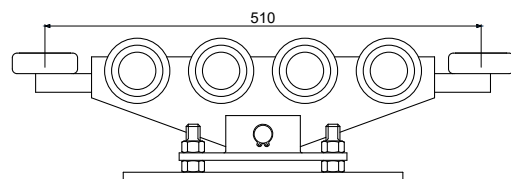
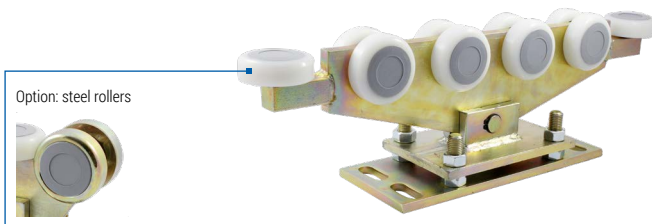
Material: galvanized steel.

Gate's capacity 400kg.

Gate's clear length 3÷5.

Assembling plate: TYPE "B" – option p. 141.

Swinging regulated carriage



ART.NO.	TYPE/ROLLE	H [mm]	A [mm]	B [mm]	C [mm]
038	W-09 Poliamid	93-109	80	80	5
039	W-09 Poliamid	93-109	80	80	4
040	W-09 Poliamid	83-99	100	90	4
088	W-09 Poliamid	83-99	100	90	5
104	W-09 S Stal	93-109	80	80	5

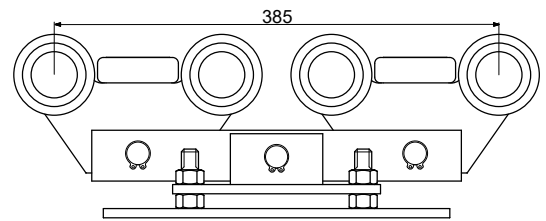
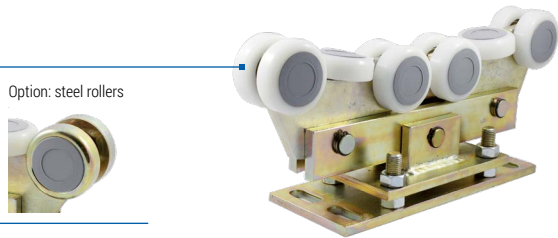
Material: galvanized steel.

Gate's capacity 800 kg.

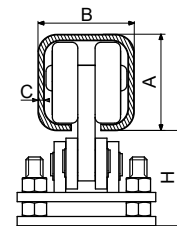
Gate's clear length 6÷10.

Assembling plate: TYPE "B" – option p. 141.

Double swinging regulated carriage



ART.NO.	TYPE/ROLLE	H [mm]	A [mm]	B [mm]	C [mm]
105	W-12 Poliamid	110-130	80	80	5
106	W-12 Poliamid	110-130	80	80	4
107	W-12 Poliamid	115-135	70	70	4
108	W-12 S Stal	110-130	80	80	5



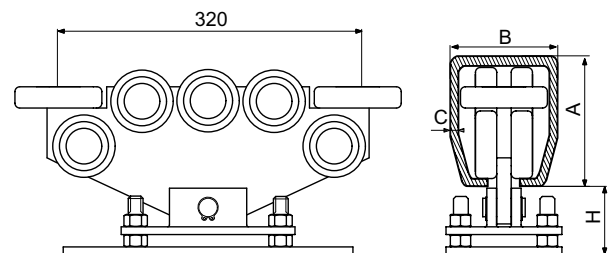
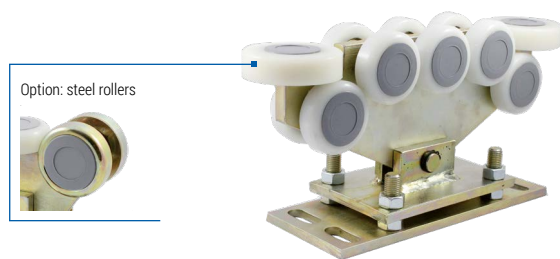
Material: galvanized steel.

Gate's capacity 800 kg.

Gate's clear length 6÷10.

Assembling plate: TYPE "B" – option p. 141.

Swinging regulated carriage



ART.NO.	TYPE/ROLLE	H [mm]	A [mm]	B [mm]	C [mm]
160	W-15 Poliamid	85-110	120	100	5

Material: galvanized steel.

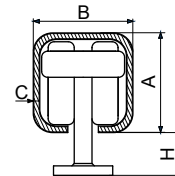
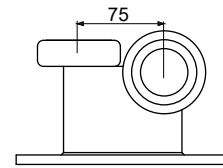
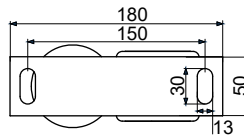
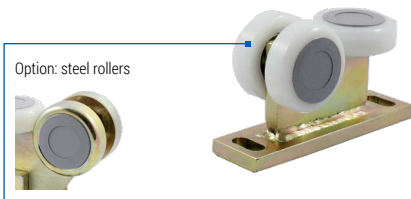
Note: The offer includes also gate profile 120 x 100 x 5 – p. 156.

Gate's capacity 800-1000 kg.

Gate's clear length 6÷12.

Assembling plate: TYPE "B" – option p. 141.

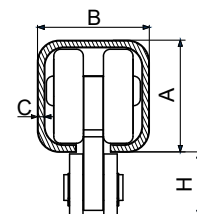
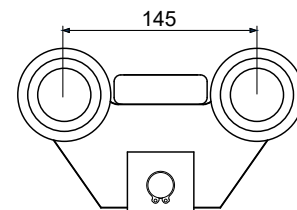
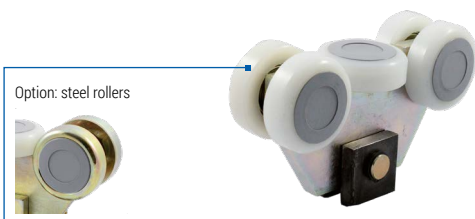
Hanging doors carriage



ART.NO.	TYPE/ROLLE	H [mm]	A [mm]	B [mm]	C [mm]	X [mm]	Y [mm]
109	W-10/M Polyamide	44	50	50	3	125	150
110	W-10/M Polyamide	40	60	60	3	150	180
1165	W-10/M Polyamide	41	60	60	4	150	180
155	W-10/M Polyamide	36	70	70	4	150	180
154	W-10/M Polyamide	32	80	80	4	150	180
153	W-10/M Polyamide	32	80	80	5	150	180
097	W-10/MS Stahl	32	80	80	5	150	180

Material: galvanized steel.

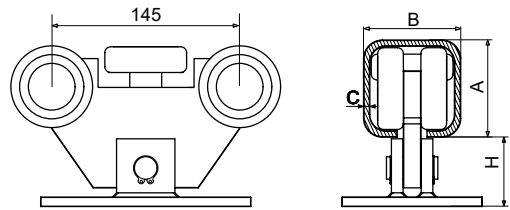
Swinging part



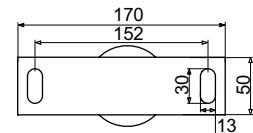
ART.NO.	TYPE/ROLLE	H [mm]	A [mm]	B [mm]	C [mm]
2167	W-11/M Polyamide	68	70	70	4
098	W-11/M Polyamide	64	80	80	5
089	W-11/MS Stahl	64	80	80	5

Material: galvanized steel.

Carriage for hanging gates

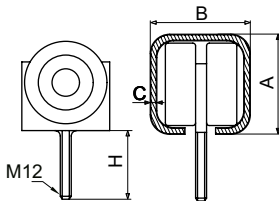


ART.NO.	TYPE/ROLLE	H [mm]	A [mm]	B [mm]	C [mm]
1166	W-12/M Polyamide	70	50	50	3
1167	W-12/M Polyamide	60	60	60	3
1168	W-12/M Polyamide	60	60	60	4



Material: galvanized steel.

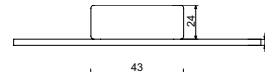
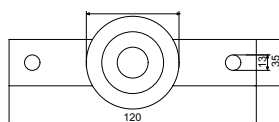
Carriage for hanging gates



ART.NO.	TYPE/ROLLE	H [mm]	A [mm]	B [mm]	C [mm]
1172	W-13/M Polyamide	115	50	50	3
1173	W-13/M Polyamide	115	60	60	3
1174	W-13/M Polyamide	115	60	60	4
3136	W-13/M Polyamide	115	80	80	5
3137	W-13/M Polyamide	115	80	80	4

Material: galvanized steel.

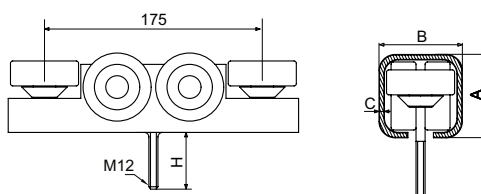
Lower guide roller



ART.NO.	TYPE/ROLLE
2168	RDP 43/L

Material: galvanized steel.

Carriage for hanging gates

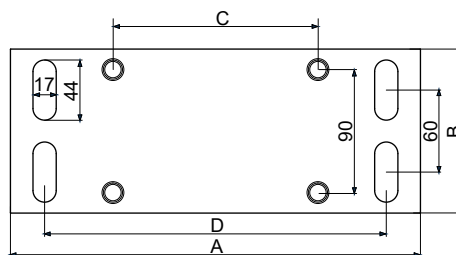
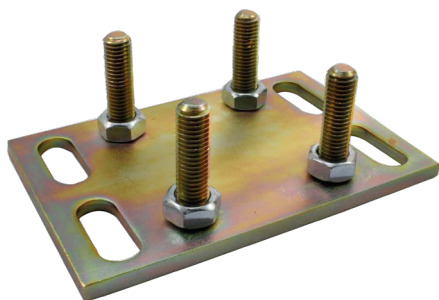


ART.NO.	TYPE/ROLLE	H [mm]	A [mm]	B [mm]	C [mm]
1175	W-14/M Polyamide	115	50	50	3
1176	W-14/M Polyamide	115	60	60	3
1177	W-14/M Polyamide	115	60	60	4

Material: galvanized steel.

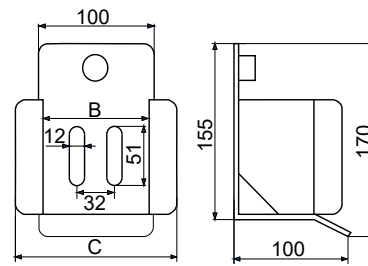
Accessories for sliding gates – dimensions of assembling plate

Dimensions of assembling plates fixing carriage to foundation



ASSEMBLING PLATE	A [mm]	B [mm]	C [mm]	D [mm]
TYPE A	180	120	70	140
TYPE B	300	120	150	250

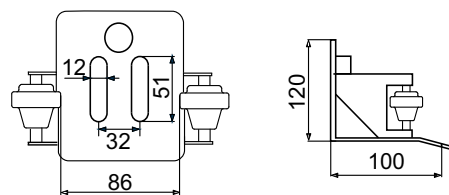
Lower catcher



ART.NO.	TYPE	B [mm]	C [mm]
061	UN 80	88	140
062	UN 90	98	150
082	UN 100	110	145

Material: galvanized steel.

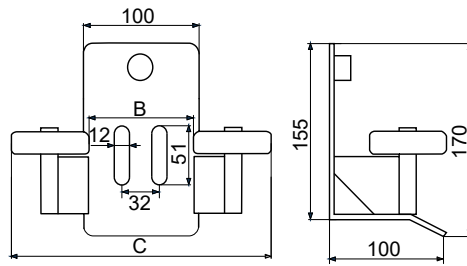
Lower catcher with rubberized rollers



ART.NO.	TYPE	FOR PROFILE
2144	UN/RG80	80 x 80
3154	UN/RG100	100x100 / 120x100

Material: galvanized steel, rubberized rollers.

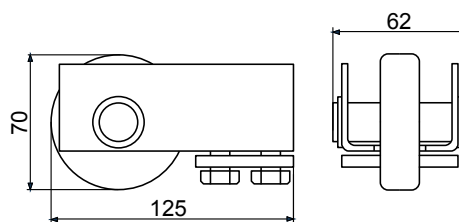
Lower catcher with Polyamide rollers



ART.NO.	TYPE	B [mm]	C [mm]
2146	UN/R 70	75	210
063	UN/R 80	85	220
064	UN/R 90	95	230
083	UN/R 100	105	240

Material: galvanized steel, polyamide rollers.

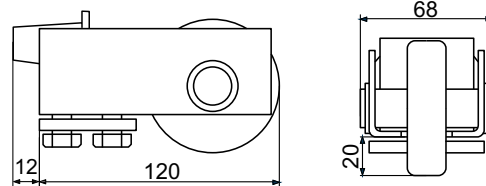
Drive-in support roller



ART.NO.	TYPE	FOR PROFILE
111	RN 70	70 x 70
065	RN 80	80 x 80

Material: galvanized steel, polyamide roller.

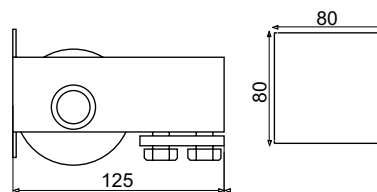
Drive-in support roller with stop



ART.NO.	TYPE	FOR PROFILE	A x A [mm]
112	RN/G 70	70 x 70	72 x 72
113	RN/G 80	80 x 80	83 x 83

Material: galvanized steel, polyamide roller.

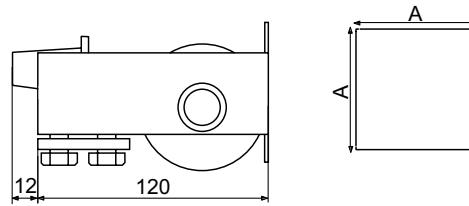
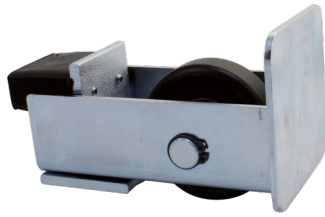
Drive-in roller with front cap



ART.NO.	TYPE	FOR PROFILE	A x A [mm]
3130	RN/Z 70	70 x 70	72 x 72
2143	RN/Z 80	80 x 80	83 x 83

Material: galvanized steel, polyamide roller.

Drive-in roller with front cap and stopper

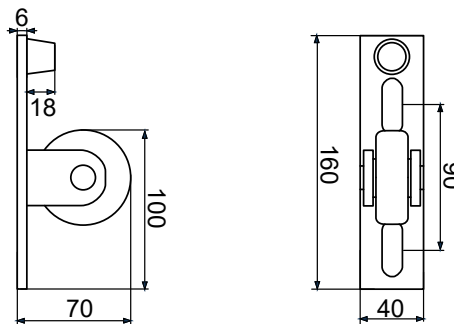


ART.NO.	TYPE	FOR PROFILE
2145	RNZ/G 70	70 x 70
1178	RNZ/G 80	80 x 80

Material: galvanized steel, polyamide roller.

Auflaufrolle auf Endpfahl

Drive-in support roller on end post



ART.NO.	TYPE/ROLLE	REMARKS
114	RN/R	Drive-in support roller for gate profile

Material: galvanized steel, polyamide roller.

Gate closing stop

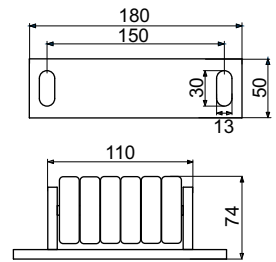


ART.NO.	TYPE
115	OZB

Use: gate closing stop mounted inside gate profile, at its end.

Material: galvanized steel.

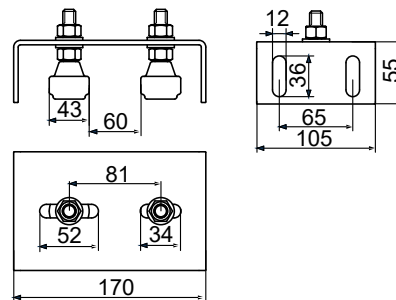
Support rear roller



ART.NO.	TYPE
3140	TRN

Material: galvanized steel.

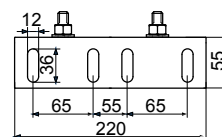
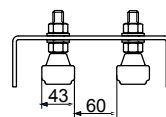
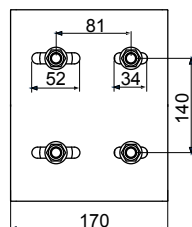
Top 2-roller guide plate



ART.NO.	TYPE	REMARKS (maximum roller spacing)
066	PG/2 P	Polyamide rollers Ø32 70mm
067	PG/2 G	Rubberized rollers Ø43 60mm

Material: galvanized steel, polyamide or rubberized rollers.

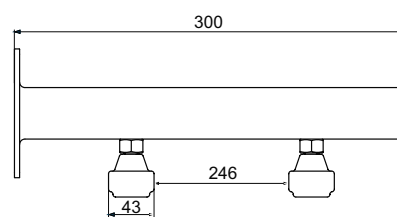
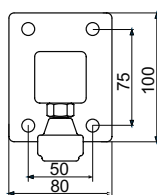
Top 4-roller guide plate



ART.NO.	TYPE	REMARKS (maximum roller spacing)
068	PG/4 P	Polyamide rollers Ø32 70mm
069	PG/4 G	Rubberized rollers Ø43 60mm

Material: galvanized steel, polyamide or rubberized rollers.

Top guide plate with regulated rollers

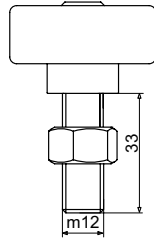


rollers adjustable within
246 mm

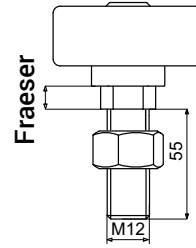
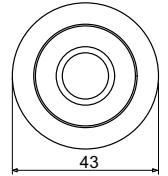
ART.NO.	TYPE	REMARKS
070	PG/P P	Polyamide rollers Ø43
071	PG/P G	Rubberized rollers Ø43/G

Material: galvanized steel, polyamide or rubberized rollers.

Polyamide guide rollers



RP 43/L/A

RP 43/L/B
RP 33/L/B

ART.NO.	TYPE	D [mm]	H [mm]
1179	RP 43/L/A	43	33
1180	RP 43/L/B	43	55
3198	RP 33/L/B	33	33

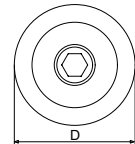
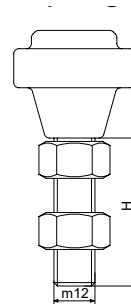
Comes with threaded pin M12 + nut M12

Material: pin – galvanized steel, roller – polyamide, with bearings.

Polyamide guide rollers



RP 43/G (Rubberized)



ART.NO.	TYPE/ROLLE	D [mm]	H [mm]
1181	RP 33/G	33	39
060	RP 43/G	43	39

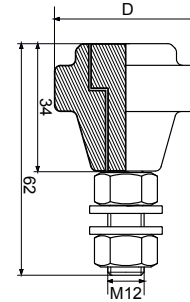
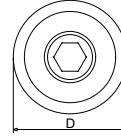
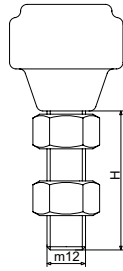
Comes with polyamide roller with hexagon socket bolt M12x60 + 2 nuts M12.

Material: bolt – galvanized, core – polyamide, track – rubber, freeze-resistant.

Polyamidee guide rollers



RP (Polyamide)

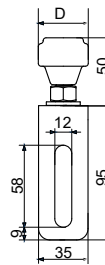
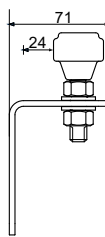


ART.NO.	TYPE/ROLLERS	D [mm]	H [mm]
126	RP 25	25	39
3096	RP 33	32,5	39
056	RP 34	34	39
057	RP 36	36	39
058	RP 41	41	39
059	RP 43	43	39

Comes with polyamide roller with hexagon socket bolt M12x60 + 2 nuts M12.

Material: bolt – galvanized steel, roller – polyamide.

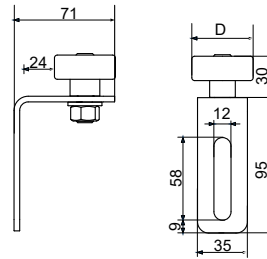
Guide rollers



ART.NO.	TYPE/ROLLE	Remarks
3098	RU 33	Polyamide rollers, angle support
117	RU 34	Polyamide rollers, angle support
118	RU 36	Polyamide rollers, angle support
119	RU 41	Polyamide rollers, angle support
072	RU 43	Polyamide rollers, angle support
1182	RU 32/G	Rubberized rollers, angle support
073	RU 43/G	Rubberized rollers, angle support

Material: bolt – galvanized steel, roller – polyamide.

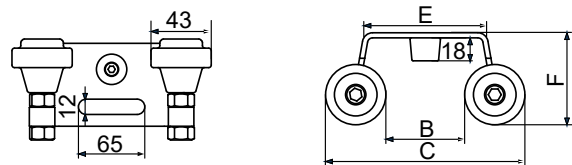
Guide rollers with bearing, Angle support



ART.NO.	TYPE	REMARKS
1183	RU 32/L	Polyamide rollers with bearing
074	RU 43/L	Polyamide rollers with bearing
120	RU/K	Angle support without rollers

Material: galvanized steel, polyamide roller.

Top catcher

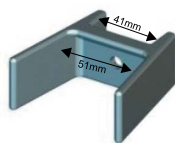


ART.NO.	TYPE	B [mm]	C [mm]	E [mm]	F [mm]	REMARKS
1184	UB 30/G	31	117	80	65	Rubberized rollers
076	UB 40/G	41	127	80	65	Rubberized rollers
1185	UB 50/G	51	137	80	65	Rubberized rollers
078	UB 60/G	61	147	80	65	Rubberized rollers
080	UB 80/G	81	167	100	65	Rubberized rollers

Material: galvanized steel, rubberized rollers.

Oben Einlaufschuh

Top catcher



UB/PA

ART.NO.	TYPE
121	UB/PA

Material: polyamide.

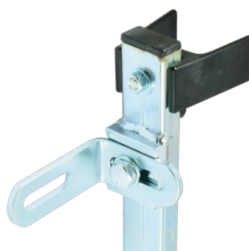
Top catcher



UB2/PA



UB2/PABR



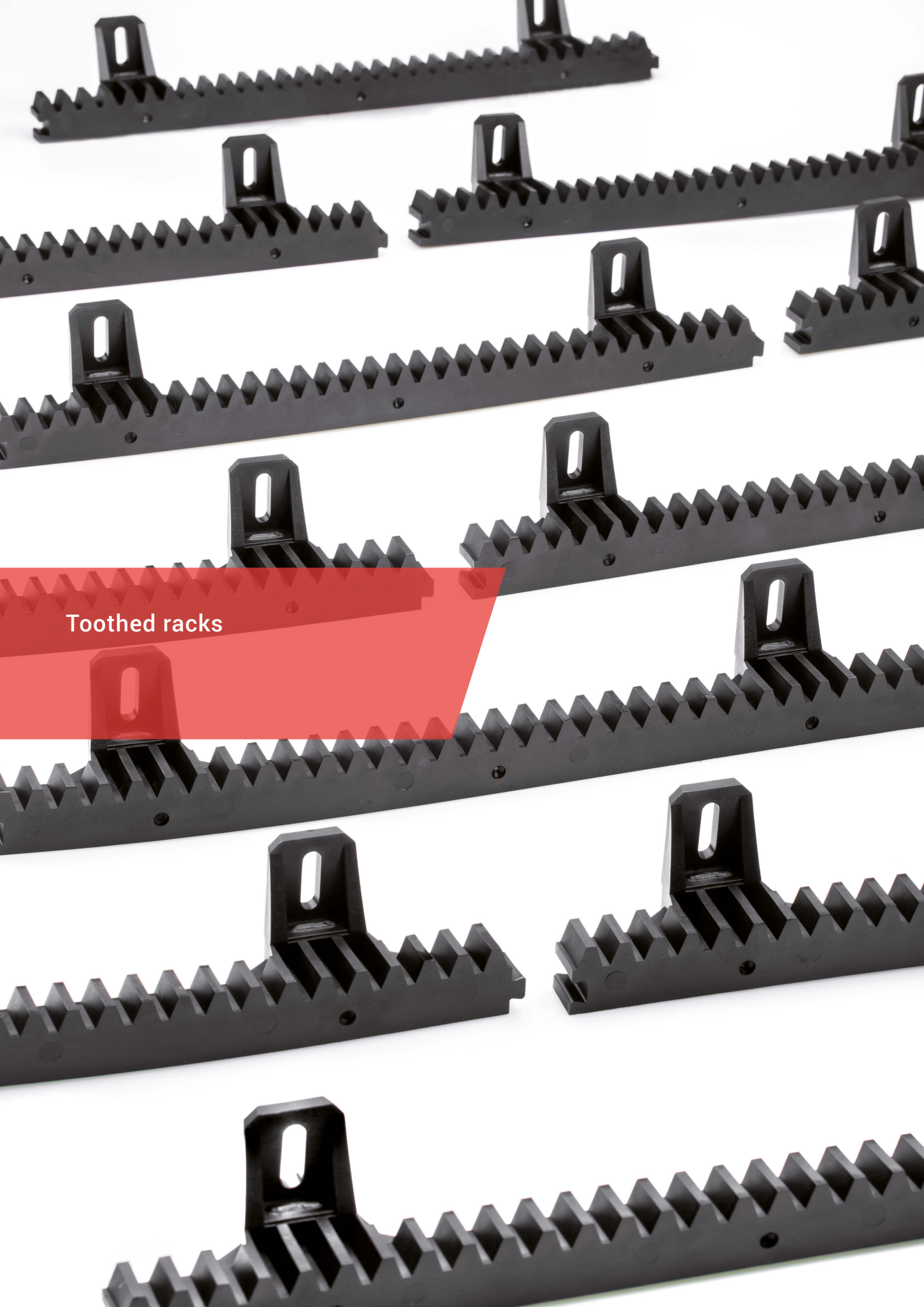
UB2/PAZR



Remark: catcher mounted on profile 40 x 20.

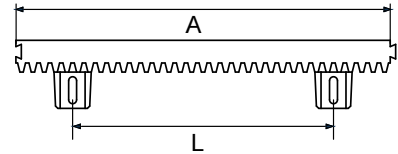
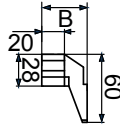
ART.NO.	TYPE
122	UB2/PA
134	UB2/PABR
199	UB2/PAZR

Material: galvanized steel.

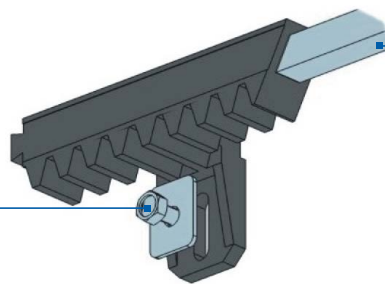


Toothed racks

Polyamide rack with steel core



Quick installation of rack by means of self-drilling screw 6.3 x 25 or bolt M6 x 12 and special washer.



Steel core 12 x 12

ART.NO.	TYPE	A [mm]	B [mm]	L [mm]	TOOTH MODULE
041	LZP/33	330	40	240	4

Comes with screw 6.3 x 25 + rectangular washer

Material: Polyamide.

Toothed rack is mounted by means of self-drilling screws and washers on gate's frame or screwed directly to gate's profile drilled and threaded by means of hexagon head bolts M6 x 12 and washers.

Installation of the rack is recommended for sliding gates with gate maximum clear length of 8 linear meters. The rack is joined endlessly using oblique joint – "dovetail".

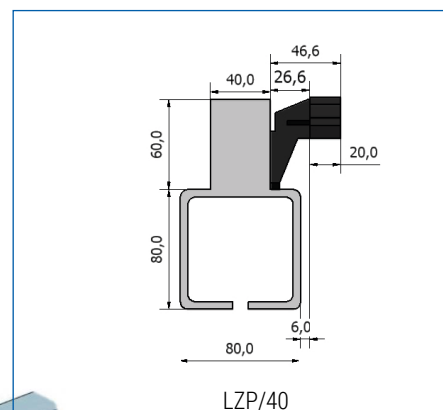
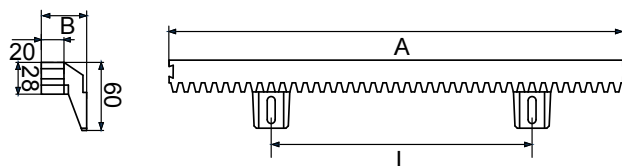
Advantages:

- ▶ very robust construction of rack thanks to use of polyamide with metal core,
- ▶ silent operation of gate during opening,
- ▶ very quick assembly,
- ▶ wear-resistant rack in gate drive,
- ▶ no corrosion after years of use.

Standard Color
RAL 9005

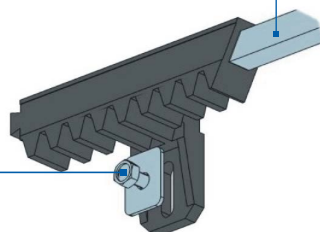


Polyamide rack with steel core



LZP/40

Wider offset between assembling catcher from toothed rack provide much more convenient installation of toothed rack by means of self-drilling screw directly on gate's frame.



ART.NO.	TYPE	A [mm]	B [mm]	L [mm]	TOOTH MODULE
161	LZP/40	400	46,6	277	4
Comes with screw 6.3 x 25 + rectangular washer					

Material: Polyamide.

Toothed rack is mounted by means of self-drilling screws and washer on gate's frame or screwed directly to gate's profile drilled and threaded by means of bolts M6 x 12 and washers.

Installation of the rack is recommended for sliding gates with gate clear length of 7–8 linear meters. The rack is joined endlessly using oblique joint – "dovetail".

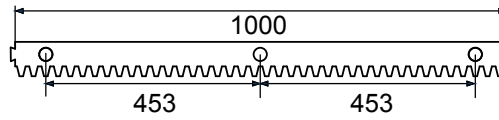
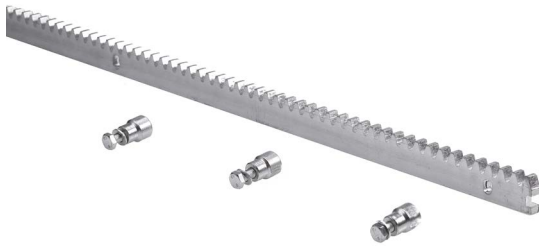
Advantages:

- ▶ very robust construction of rack thanks to use of polyamide with metal core,
- ▶ silent operation of gate during opening,
- ▶ very quick assembly,
- ▶ wear-resistant rack in gate drive,
- ▶ no corrosion after years of use.

Standard Color
RAL 9005



Steel rack

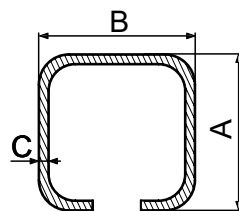


ART.NO.	TYPE	B [mm]	TOOTH MODULE
042	LZM 8	8	4
043	LZM 10	10	4
044	LZM 12	12	4

Comes with bolts and washers.

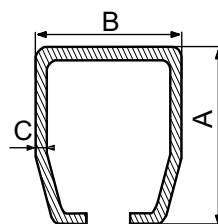
Material: galvanized steel.

Gate profile



ART.NO.	TYPE	A x B x C [mm]	LENGTH [LINEAR METERS]	COATING
1186	Torprofil 50 x 50 x 3 / 6 linear meters	50 x 50 x 3	6	Raw
1187	Torprofil 60 x 60 x 3 / 6 linear meters	60 x 60 x 3	6	Raw
1188	Torprofil 60 x 60 x 4 / 6 linear meters b	60 x 60 x 4	6	Raw
2180	Torprofil 70 x 70 x 4 / 6 linear meters	70 x 70 x 4	6	Raw
1189	Torprofil 80 x 80 x 4 / 6 linear meters /OC	80 x 80 x 4	6	Hot-dip galvanized
1190	Torprofil 80 x 80 x 4 / 7 linear meters/OC	80 x 80 x 4	7	Hot-dip galvanized
1191	Torprofil 80 x 80 x 5 / 6 linear meters	80 x 80 x 5	6	Raw
1192	Torprofil 80 x 80 x 5 / 7 linear meters	80 x 80 x 5	7	Raw
1193	Torprofil 80 x 80 x 5 / 8 linear meters	80 x 80 x 5	8	Raw
1194	Torprofil 80 x 80 x 5 / 9 linear meters	80 x 80 x 5	9	Raw

Material: steel.



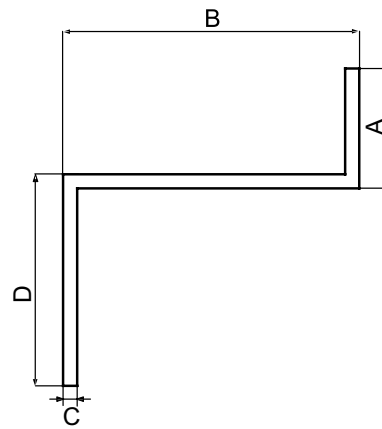
ART.NO.	TYPE	A x B x C [mm]	LENGTH [LINEAR METERS]	COATING
1195	Torprofil 120 x 100 x 5 / 6 linear meters	120 x 100 x 5	6	Raw
1196	Torprofil 120 x 100 x 5 / 8 linear meters	120 x 100 x 5	8	Raw

Material: steel.

Z-profile



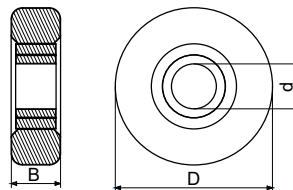
Z-Profil 18 x 40 x 37
śc. 2,5



ART.NO.	TYPE	A x B x D x C [mm]	LENGTH [LINEAR METERS]	COATING
1197	Z-Profil 18 x 40 x 37 śc 2,5 / 6mb	18 x 40 x 37 x 2,5	6	feuerGalvanized
1198	Z-Profil 18 x 40 x 32 śc 2,5 / 6mb	18 x 40 x 32 x 2,5	6	feuerGalvanized

Material: steel.

Polyamide roller with bearing

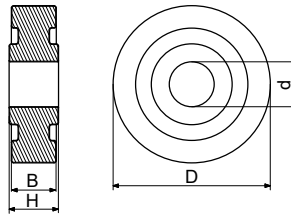


ART.NO.	TYPE	NAME	D [mm]	d [mm]	B [mm]	WEIGHT	BEARING NO.
2040	RL25	Roller with bearing	25	6	7	30	626
2041	RL33	Roller with bearing	33	10	11	30	6000
045	RL43	Roller with bearing	43	15	18	40	6202 Z
2042	RL48	Roller with bearing	48	20	14,5	40	6004
2043	RL50	Roller with bearing	50	20	14,5	60	6004
2044	RL52	Roller with bearing	52	20	14,5	60	6004
046	RL60	Roller with bearinga	60	20	20	60	6004 Z
2045	RL60/17	Roller with bearing	60	17	20	60	6203
047	RL68	Roller with bearing	68	20	22	80	6204 ZC3
048	RL70	Roller with bearing	70	20	22	80	6204 ZC3
049	RL80	Roller with bearing	80	20	20	100	6203 Z
2046	RL80/17	Roller with bearing	80	17	20	100	60042
050	RL90	Roller with bearing	90	20	23	100	6204 ZZC3

Material: Polyamide.

Color: natural.

Polyamide roller



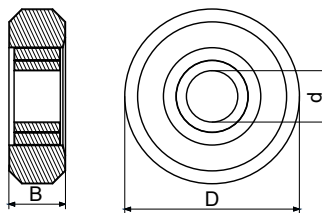
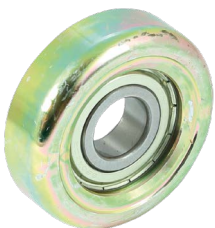
ART.NO.	TYPE	NAME	D [mm]	d [mm]	B [mm]	WEIGHT
051	R60/15	Polyamide Rolle	60	15	20	60
052	R68/15	Polyamide Rolle	68	15	20	80
053	R70/15	Polyamide Rolle	70	15	20	80
054	R70/20	Polyamide Rolle	70	20	20	80

Material: Polyamide.

Standard Color
RAL 9005



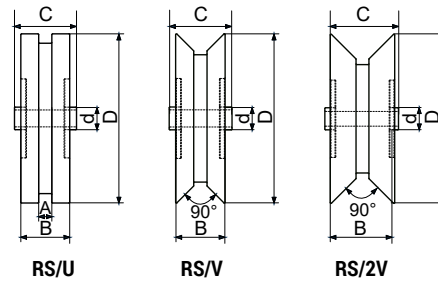
Steel roller



ART.NO.	TYPE	NAME	D [mm]	d [mm]	B [mm]	WEIGHT	BEARING NO.
2047	RL60/S	Steel roller	60	18	18	100	6204 RS
125	RL68/S	Steel roller	68	20	19,5	100	6204 ZC3

Material: steel.

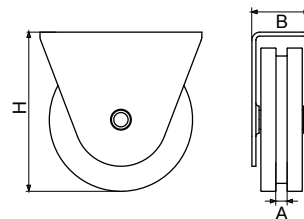
Rail roller



ART.NO.	TYPE	B [mm]	C [mm]	D [mm]	d [mm]	A [mm]
128	RS/U	26	33	90	12	7
129	RS/V	26	33	90	12	
130	RS/2V	35	40	93	12	

Material: steel.

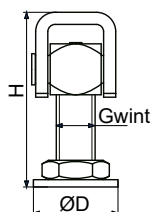
Rail roller with bend support



ART.NO.	TYPE	H [mm]	B [mm]	A [mm]	REMARKS
131	UOV	90	37		For angle support
132	UOU	90	37	8	For flat
133	UOO	90	37		For tube Ø1/2"

Material: steel.

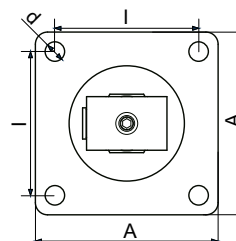
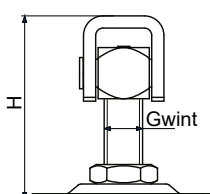
Welding hinge



ART.NO.	TYPE	THREAD	H [min-max]	D [mm]
140	ZB16/S	M16	52-72	37
141	ZB20/S	M20	60-90	45

Material: galvanized steel.

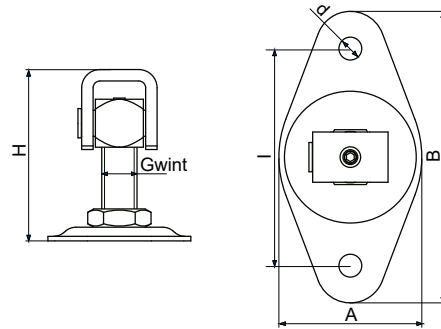
Skrew-joint hinge



ART.NO.	TYPE	THREAD	H [min-max]	I [mm]	A x B	d [mm]
142	ZB16/P	M16	55-72	51	74 x 74	8,4
261	ZB16/P 60	M16	55-70	32 x 66	54 x 85	8,4
143	ZB20/P	M20	60-100	68	100 x 100	11

Material: galvanized steel.

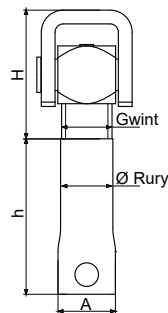
Skrew-joint hinge oval



ART.NO.	TYPE	THREAD	H [min-max]	l [mm]	B [mm]	A [mm]	d [mm]
156	ZB016/P	M16	60-75	95	125	70	10
157	ZB020/P	M20	55-90	95	125	70	10

Material: galvanized steel.

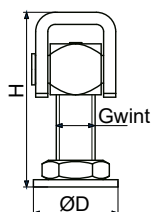
Inlet hinge



ART.NO.	TYPE	THREAD	H [min-max]	h [mm]	A [mm]	Ø Rohr
158	ZB16/W	M16	40-60	70	29	22
159	ZB20/W	M20	40-85	100	32	25

Material: galvanized steel.

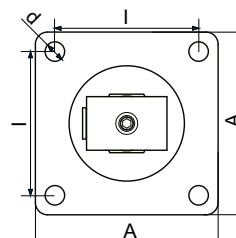
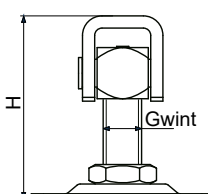
Welded hinge



ART.NO.	TYPE	THREAD	H [min-max]	D [mm]
2050	ZBN16/S Stainless steel	M16	60-75	46
2051	ZBN20/S Stainless steel	M20	60-100	50

Material: stainless steel.

Skrew-joint hinge



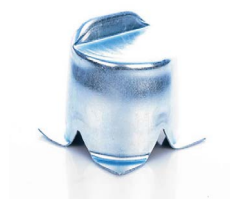
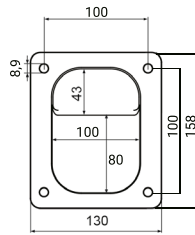
ART.NO.	TYPE	THREAD	H [min-max]	I [mm]	A x B	d [mm]
2052	ZBN16/P Stahl rostfrei	M16	62-80	56	79 x 79	10,4
2053	ZBN20/P Stahl rostfrei	M20	60-85	75	99 x 99	11,5

Material: stainless steel.

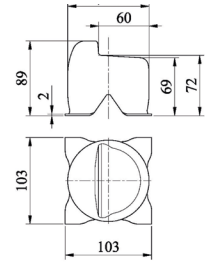
Folding gate closing stop



OBS/screwed



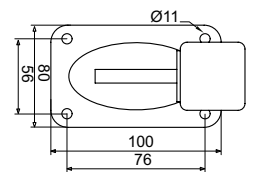
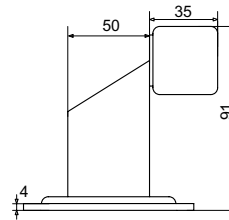
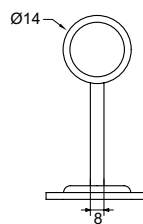
OBS/inlett



ART.NO.	TYPE	REMARKS
144	OBS/inlet	Inlet
165	OBS/screwed	Screwed

Material: galvanized steel.

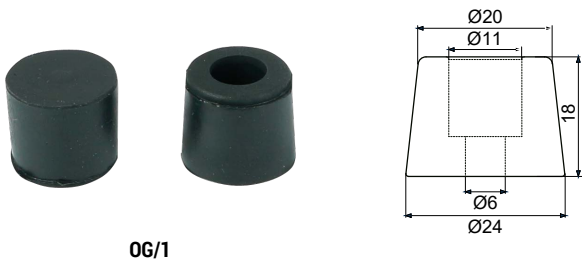
Bamper for the gates screw-joint



ART.NO.	TYPE	REMARKS
2054	ZBO/P	Screwed

Material: galvanized steel.

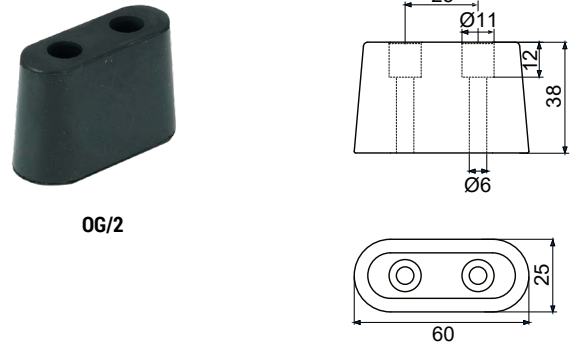
Rubber stops



OG/1

ART.NO.	TYPE	MATERIAL
123	OG/1	Rubber

Material: rubber.



OG/2

ART.NO.	TYPE	MATERIAL
124	OG/2	Rubber

Material: rubber.



OG/3

ART.NO.	TYPE	MATERIAL
2055	OG/3	Rubber

Material: rubber.

OG/4
OG/5
OG/6
OG/7

ART.NO.	TYPE	H [mm]	A [mm]	B [mm]	MATERIAL
2056	OG/4	60	38	50	Rubber
2196	OG/5	60	35	50	Elastomer
2197	OG/6	80	45	70	Elastomer
3141	OG/7	10,5	19	19	Rubber

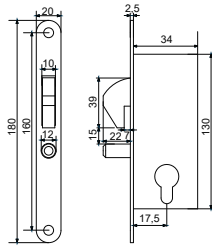
Material: rubber.

Additional accessories:
locks, handles, latches,
other accessories

 Tulplast®



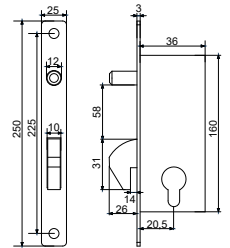
Hook lock H-35



ART.NO.	TYPE	REMARKS
214	H-35	No spring

Material: galvanized steel.

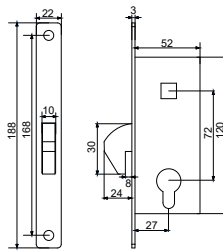
Hook lock H-40



ART.NO.	TYPE	REMARKS
204	H-40	No spring

Material: galvanized steel.

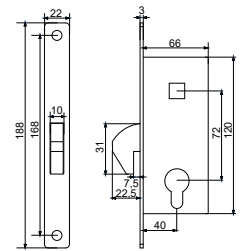
Hook lock H-60



ART.NO.	TYPE	REMARKS
205	H-60	For profile 30 x 60 For profile 40 x 60

Material: galvanized steel.

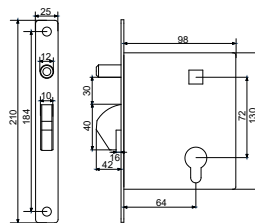
Hook lock-40



ART.NO.	TYPE
201	F-40
234	Buchse F40

Material: galvanized steel.

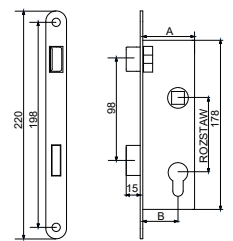
Hook lock F-60



ART.NO.	TYPE	REMARKS
202	F-60/WŁ	Strengthened
203	F-60	-
213	BOX F60	-

Material: galvanized steel.

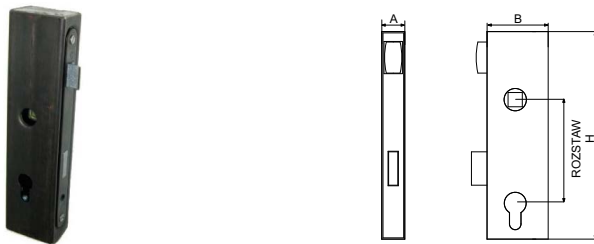
Lock ZWZ



ART.NO.	TYPE	A [mm]	B [mm]	SPACING
262	ZWZ 90/38	35	22	90
263	ZWZ 72/50	50	34	72

Material: galvanized steel.

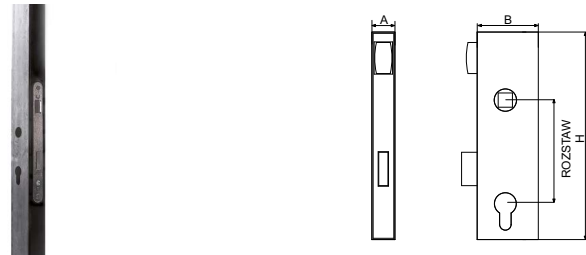
Lock + box (set)



ART.NO.	TYPE	A x B [mm]	SPACING	H [mm]
264	PUSZ 40 x 40 + ZWZ90	40 x 40	90	245
265	PUSZ 40 x 50 + ZWZ72	40 x 50	72	245
266	PUSZ 40 x 60 + ZWZ72	40 x 60	72	245
267	PUSZ 30 x 50 + ZWZ72	30 x 50	72	245

Material: raw steel.

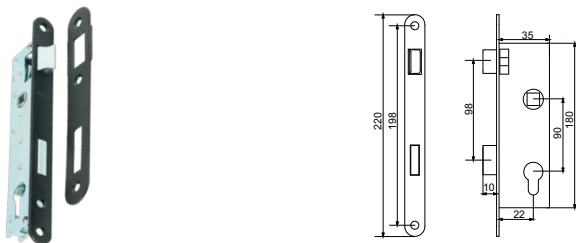
Wicket front frame slat with lock (PRF)



ART.NO.	TYPE	A x B [mm]	SPACING	H [mm]
2057	PRF40 x 40 H 1500	40 x 40	90	1500
2058	PRF40 x 40 H 2000	40 x 40	90	2000
2059	PRF40 x 60 H 1500	40 x 60	72	1500
2060	PRF40 x 60 H 2000	40 x 60	72	2000

Material: raw steel.

Inlet lock ZDW



ART.NO.	TYPE	REMARKS	WIDTH	REMARKS
206	ZDW	Bolt	35 mm	
207	ZDW/R	Roller	35 mm	No handle

Material: galvanized steel.

Swinging gate inlet lock BICO



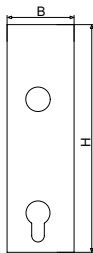
ART.NO.	TYPE	DESCRIPTION
208	BICO 30	Inlet lock for swinging gates
216	BICO 40	Inlet lock for swinging gates

Material: galvanized steel.

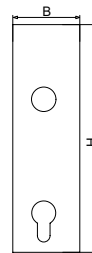
Case for BICO and ZDW locks



Case ZDW



Case BICO

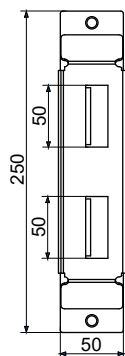


ART.NO.	TYPE	A [mm]	B [mm]	H [mm]	REMARKS
215	Case ZDW	25	40	185	For inlet locks ZDW
217	Case BICO 30	30	90	185	For inlet locks BICO 30
218	Case BICO 40	40	90	185	For inlet locks BICO 40

Material: raw steel.

Strike

Strike plate screwed ZFP/1 for wicket

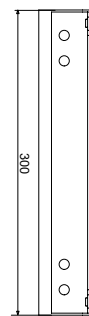


ART.NO.	TYPE	COATING
268	ZFP/1	Galvanized

Material: galvanized steel.

Strike plate is used as retaining pad mounted on wicket's post. Strike plate is suitable for BICO inlet locks.

Strike plate screwed ZFP/2 for wicket

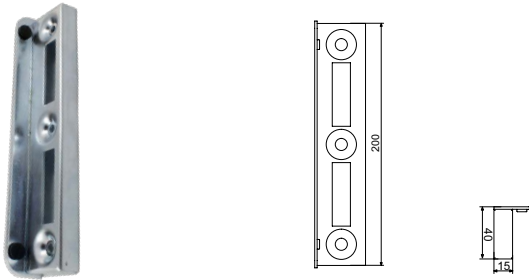


ART.NO.	TYPE	COATING
2061	ZFP/2	Galvanized

Material: galvanized steel.

Strike plate is used as retaining pad mounted on wicket's post. Strike plate is intended for narrow ZDW locks and handles with escutcheon: KL7, KL8, KL9.

Strike plate screwed ZFP/3 for wicket

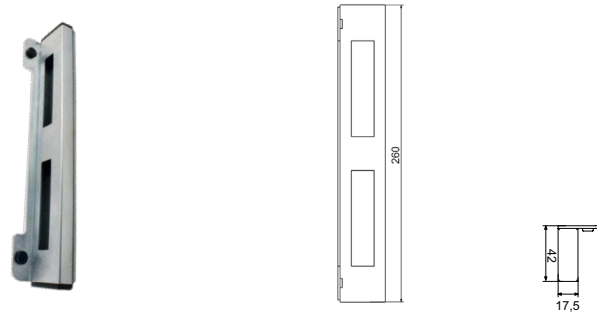


ART.NO.	TYPE	COATING
2062	ZFP/3	Galvanized

Material: galvanized steel.

Strike plate is used as retaining pad welded on wicket's post. Strike plate is suitable for BICO inlet locks.

Strike plate screwed ZFP/4 for wicket

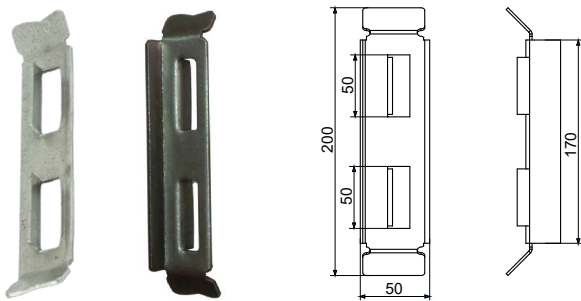


ART.NO.	TYPE	COATING
2063	ZFP/4	Galvanized

Material: galvanized steel.

Strike plate is used as retaining pad mounted on wicket's post. Strike plate is suitable for BICO inlet locks.

Strike plate welding for wicket ZFS

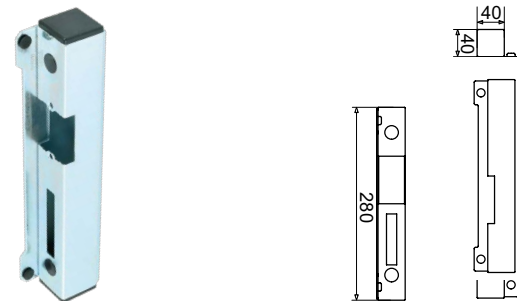


ART.NO.	TYPE	REMARKS
269	ZFS	Raw

Material: raw steel.

Strike plate is used as retaining pad welded on wicket's post. Strike plate is suitable for BICO inlet locks.

Box for electric lock PUSZ 280 EZ

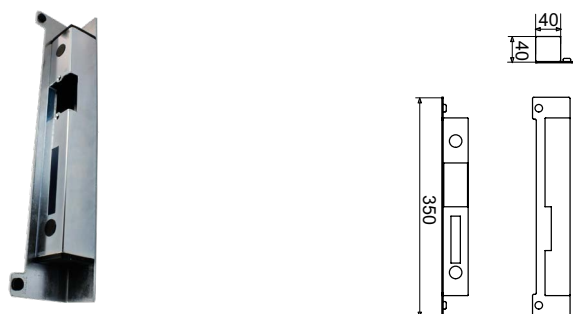


ART.NO.	TYPE
239	PUSZ 280 EZ

Material: galvanized steel.

Box for electric lock is mounted on wicket's post as retaining pad. Electric lock R4 is mounted in the box. The box is suitable for BICO locks.

Box for electric lock 350 EZ



ART.NO.	TYPE
2064	BUCHSE 350 EZ

Material: galvanized steel.

Thanks to elongated retaining escutcheon, the case perfectly suits narrow ZDW locks and handles with escutcheon KL7, KL8, KL9.

Electric lock EZR4



ART.NO.	TYPE	FUNCTIONS
270	Electric lock EZR4	Without lock
271	Electric lock EZR4/B	With lock
272	Electric lock EZR4/BP	With lock and memory

Material: galvanized steel.

Adapted to case types: 280 EZ, 350 EZ..

Additional accessories

Cylinder lock



ART.NO.	TYPE	WIDTH	SKEYS, PCS.
210	WZ 25 x 25	25 x 25	3
2065	WZ 26 x 26	26 x 26	3
211	WZ 30 x 30	30 x 30	3
1199	WZ 40 x 40	40 x 40	3
2066	WZ 50 x 30	50 x 30	3

Material: galvanized steel.

Snappy padlock



ART.NO.	TYPE	REMARKS
2067	KZ 40	Cast-iron
2068	KZ 50	Cast-iron
2069	KZ 60	Cast-iron
2070	KZ/A2/40	Stainless
2071	KZ/A2/50	Stainless

Material: cast iron or stainless steel.

Latch for gates 250 black



ART.NO.	TYPE
2111	ZAS250/CZ

Material: raw steel + coating.

Latch for gates 300 black



ART.NO.	TYPE
2112	ZAS300/CZ

Material: raw steel + coating..

Latch for gates 340 narrow, galvanized. 340



ART.NO.	TYPE
2113	ZAS340/OC

Material: galvanized steel.

Latch 100 galvanized



ART.NO.	TYPE
2114	ZAS100/OC

Material: galvanized steel.

Adjustable hasp for padlock 75 galvanized



ART.NO.	TYPE
2115	WRZ75/OC

Material: galvanized steel.

Through hasp for padlock 50 galvanized



ART.NO.	TYPE
2116	WRZ50/OC

Material: galvanized steel.

Handle without escutcheon KL1



KL1/A

KL1/B

ART.NO.	TYPE	COLOR
212	KL1/A	Black
2192	KL1/B	Black

Material: painted steel.

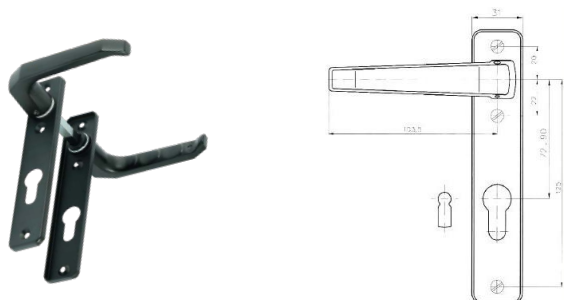
Handle little escutcheon KL2



ART.NO.	TYPE	COLOR
219	KL2/CZ	Black
273	KL2/BR	Brown

Material: painted steel.

Handle big escutcheon KL3/KL4



ART.NO.	TYPE	ROZSTAW	COLOR
240	KL3/CZ	72	Black
274	KL3/BR	72	Brown
237	KL4/CZ	90	Black
275	KL4/BR	90	Brown

Material: painted steel.

Knob steady/revolving KL5



ART.NO.	TYPE	COLOR
232	KL5/CZ	Black
2117	KL5/BR	Brown

Material: painted steel.

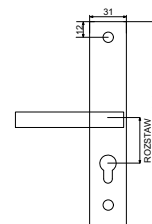
Handle with round escutcheon KL6



ART.NO.	TYPE	COLOR
233	KL6/CZ	Black
2193	KL6/BR	Brown

Material: galvanized steel sheet, powder-coated.

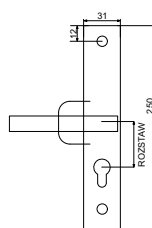
Handle with escutcheon KL7



ART.NO.	TYPE	SPACING
276	KL7/72	72
277	KL7/90	90

Material: galvanized steel sheet, powder-coated.

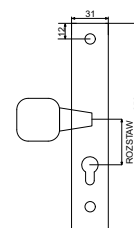
Handle and immovable handle escutcheon KL8



ART.NO.	TYPE	SPACING
278	KL8/72	72
279	KL8/90	90

Material: galvanized steel sheet, powder-coated..

Immovable handle with escutcheon KL9



ART.NO.	TYPE
280	KL9

Material: galvanized steel sheet, powder-coated..

Big immovable handle with escutcheon KL10



ART.NO.	TYPE
2118	KL10

Material: galvanized steel sheet, powder-coated.

Big immovable single handle without escutcheon KL11



ART.NO.	TYPE
2119	KL11

Material: galvanized steel sheet, powder-coated.

Immovable handle with small escutcheons KL12



ART.NO.	TYPE
2120	KL12

Material: galvanized steel sheet, powder-coated.

They are completed by combining two immovable handles KL11, two plates for handle and fixing elements.

Adapted for locks for case ZWZ.

Tuergriff mit Klinke u. Kleinen Schilder KL13

Immovable handle with handle with small escutcheons

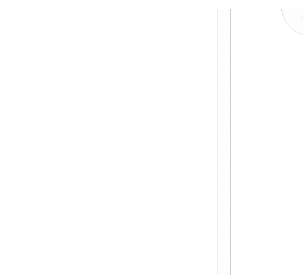


ART.NO.	TYPE
2121	KL13

Material: galvanized steel sheet, powder-coated, plastic escutcheon

They are completed by combining immovable handle KL11, handle, two plates for handle and fixing elements.

Oval stainless steel handle KL14



ART.NO.	TYPE
2122	KL14

Material: stainless steel.

Knob handle stainless steel KL15



ART.NO.	TYPE
2123	KL15

Material: stainless steel.

Plate for handle stainless steel



ART.NO.	TYPE
2124	Plate for handle/A2

Material: stainless steel.

Plate for handle plastic



ART.NO.	TYPE
281	Plate for handle/PE

Material: Polyethylene.

Gate pull-handle



ART.NO.	TYPE	REMARKS
209	POCH300	Fixing distance 300 mm
2105	POCH165	Fixing distance 165 mm

Material: galvanized steel.

Latch narrow



ART.NO.	TYPE	L [mm]
2125	RY220/OC	220
2126	RY440/OC	420

Material: galvanized steel.

Latch with spring



ART.NO.	TYPE	L [mm]
2127	RY/S220/OC	220
2128	RY/S440/OC	420

Material: galvanized steel.

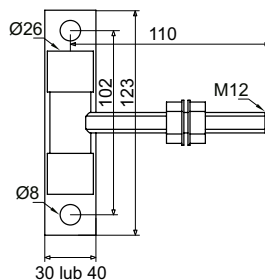
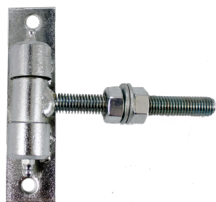
Stopper foot foldable for gate



ART.NO.	TYPE	L [mm]
2129	PW220/OC	220
2130	PW300/OC	300

Material: galvanized steel.

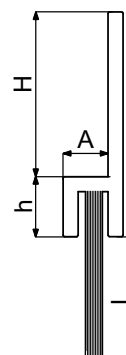
Adjustable hinge ZR



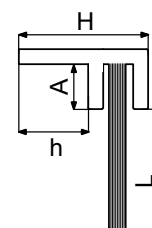
ART.NO.	TYPE	COATING
2131	ZR30M12 x 110/CZ	Plate painted, galvanized thread
2132	ZR30M12 x 110/OC	Galvanized
2133	ZR40M12 x 110/CZ	Plate painted, galvanized thread
2134	ZR40M12 x 110/OC	Galvanized
2135	ZR40M14 x 150/CZ	Plate painted, galvanized thread
2136	ZR40M14 x 150/OC	Galvanized
2137	ZR50M20 x 150/CZ	Plate painted, galvanized thread
2138	ZR50M20 x 150/OC	Galvanized

Material: galvanized steel.

Aluminum sealing lath with a brush



TYPE: LU



TYPE: LUS

ART.NO.	TYPE	H [mm]	h [mm]	L [mm]	A [mm]	Lengths
2139	LU14	11	6	14	5	1 mb
2140	LU34	11	6	34	5	1 mb
2141	LU46	16	6	46	5	1 mb
2174	LUS14	16	6	14	5	1 mb

Material: aluminium.

Assembling glue



ART.NO.	TYPE	REMARKS
220	Glue 300	300 ml
221	Glue 400	400 ml
229	Glue winter 400	400 ml

Glue applicator



ART.NO.	TYPE	REMARKS
227	Applicator M	300 ml
228	Applicator D	400 ml

Assembling glues are high-quality fast-hardening two-component systems of chemical bonding. Delivered in containers enabling their simple application, provide cost-efficient and strong bonding of high resistance to chemicals and vibrations.

Suitable for fixing bars, anchors in various materials: concrete, stone, brick. Can be used where mechanical bonding is ineffective, e.g. near edges. Perfect for fixing in blocks with voids.



Netted plug anchor



ART.NO.	TYPE	OUTER DIAMETER	LENGTH
222	ST12 x 50	12	50
223	ST15 x 85	15	85
224	ST15 x 135	15	135
225	ST20 x 85	20	85

Glue mixer

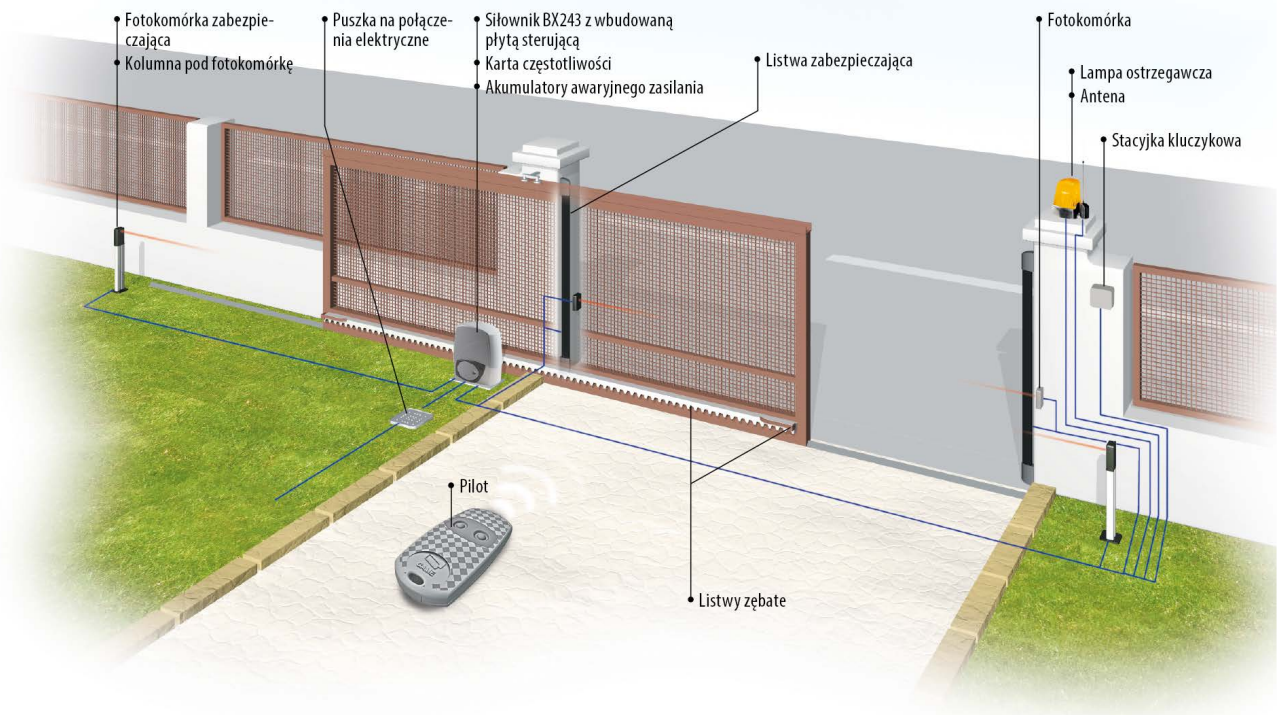


ART.NO.	TYPE
226	Glue mixer

Automation for gates

 Tulplast®





Bx plus set

ART.NO.	TYPE	DESCRIPTION	QTY
251	BX-A	230 V Actuator with control board ZBX74	1
	AF43S	frequency board	1
	TOP-432EE	Remote control	1
	DIR 10	Photocells	1

BX PLUS – set for automation of sliding gate with weight of up to 400kg.

BX STRONG SET

ART.NO.	TYPE	DESCRIPTION	QTY
252	BX-A	30 V Actuator with control board ZBX74	1
	AF43S	frequency board	1
	TOP-432EE	Remote control	1
	DIR 10	Photocells	1

BX STRONG – set for automation of sliding gate with weight of up to 800kg.

BXV SAFE Set

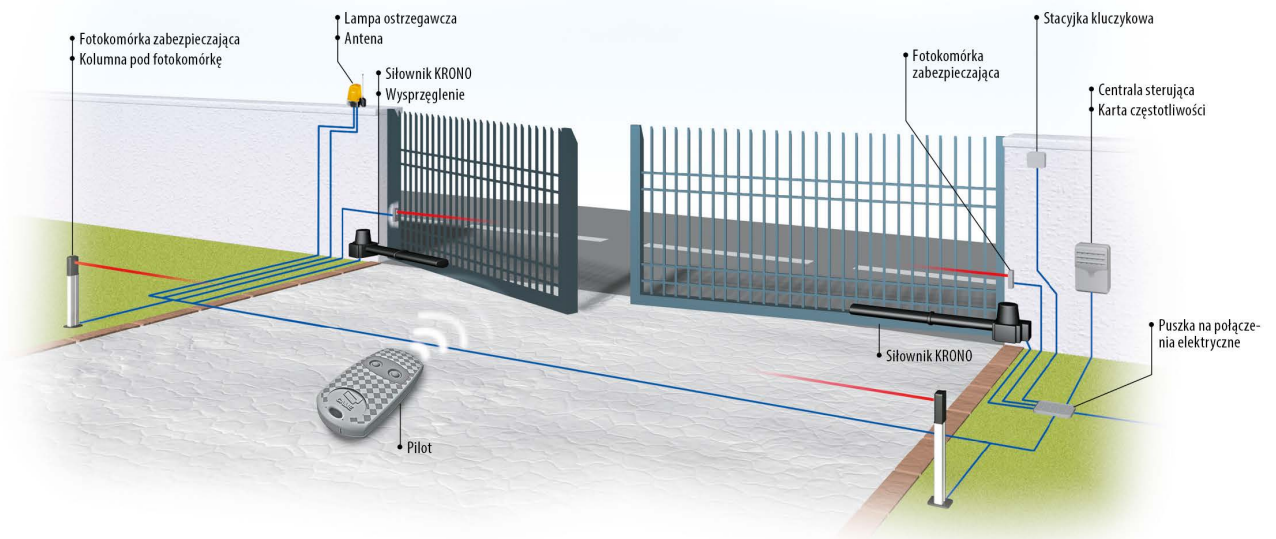
TYPE	DESCRIPTION	QTY
BXV	Actuator (actuator capacity to gate's weight)	1
DIR 10	Photocells	1
AF43S	Frequency board	1
TOP-432EE	Remote control	1

Sets for automation of sliding gates:

- ▶ with weight of up to 400 kg – **BXV 4 SAFE**,
- ▶ with weight of up to 600 kg – **BXV 6 SAFE**,
- ▶ with weight of up to 800 kg – **BXV 8 SAFE**,
- ▶ with weight of up to 1000 kg – **BXV 10 SAFE**.

Prices for sets vary according to capacity.

Automation for double-leaf gates



KRONO STANDARD SET



ART.NO.	TYPE	DESCRIPTION	QTY
254	KR300D	230 V Right-hand actuator	1
	KR300S	230 V Left-hand actuator	1
	S4339	Control board casing	1
	Zf1	Control board	1
	AF43S	Frequency board	1
	TOP-432EE	Remote control	1
	DIR 10	Photocellss	1

KRONO Standard – complete set for automation of double-leaf gate.

Amico Euro set



ART.NO.	TYPE	DESCRIPTION	QTY
255	A18230	230 V Actuator	2
	ZF1N	Control panel	1
	AF43S	Frequency board	1
	TOP-432EE	Remote control	1
	DIR 10	Photocells	1

AMICO EURO – complete set for automation of double-leaf gate.

FAST PLUS SET



ART.NO.	TYPE	DESCRIPTION	QTY
256	F7000	230 V Actuator with built-in ZF1 board	1
	F7001	230 V Actuator	1
	AF43S	Frequency board	1
	TOP-432EE	Remote control	1
	DIR 10	Photocells	1

FAST Plus – complete set for automation of double-leaf gate installed on concrete or clinker posts.

Axi Safe Set



TYPE	DESCRIPTION	QTY
AXI	Actuator (actuators capacity to gate leaf's length)	2
ZL65	Central unit	1
DIR 10	Photocells	1
AF43S	Frequency board	1
TOP-432EE	Remote control	1

Sets for automation of leaf gates:

- ▶ AXI 20 SAFE – gate leaf's length up to 2 m.
- ▶ AXI 25 SAFE – gate leaf's length up to 2.5 m.

VER10 Automatic set for up and over garage doors and sectional garage doors



Set VER10

ART.NO.	TYPE	DESCRIPTION	QTY
2169	V10	24 V Actuator with encoder	1
	AF43S	frequency board	1
	TOP-432EE	Remote control	1

VER 10 – set for automation of garage doors.

Remarks: Chain rail for drive transmission is not included.

HG 600

ART.NO.	TYPE	DESCRIPTION	QTY
2170	HG600	Actuator with 600 N power with chain rail for drive transmission with length of 3.3 m.	1
	SP4	4-channel rolling code remote contro.	1

HG 600 – set for automation of garage doors with surface of up to 10m2.

Remarks: Comes with chain rail for drive transmission.

Protecting accessories



TOP



ATOMO



SPACE



PHOTOCELL



LAMP

For full range of gate automation Came go to www.tulplast.pl.

CK0001 SET



ART.NO.	TYPE	DOOR ENTRY SYSTEMS	QTY
2171	CS1BNCO	Hands-free doorphone panel BIANCA C audio.	1
	DC002AC	Power adapter	1
	CS1PLCO	Door entry panel audio PLACO C..	1
	DPH	Single button for double pitch..	1

CK0001 – Hands-free doorphone set

CK0002 SET



CK0002 set is a series of surface-mounting hands-free external panels. CK0002 set features sophisticated design and modern technology.

ART.NO.	TYPE	DESCRIPTION	QTY
2172	CS2BNCO	Hands-free doorphone panel video BIANCA V	1
	DC002AC	Power adapter	1
	CS2PLCO	Door entry panel video PLACO V	1
	DPH	Single button for double pitch	1

CK0002 – Hands-free video door entry set.

CK0002 set is a series of surface-mounting hands-free external panels. CK0002 set features sophisticated design and modern technology.

NOTES

A large grid of small blue dots for taking notes, consisting of 20 columns and 25 rows.

NOTES

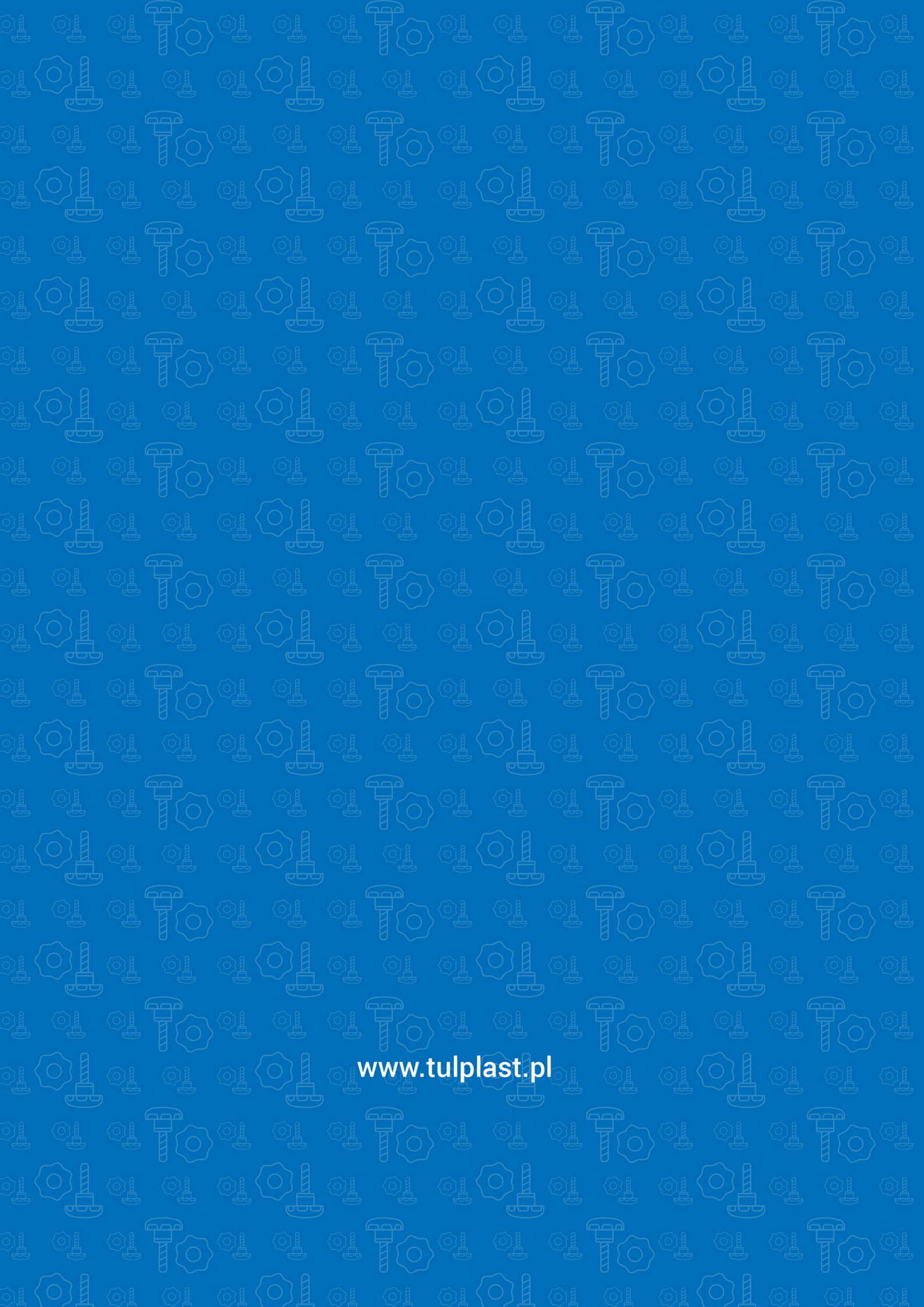
A large grid of small blue dots arranged in 20 columns and 25 rows, intended for taking notes.

NOTES

A large grid of small blue dots for taking notes, consisting of 20 columns and 25 rows.

NOTATKI

A grid of 20 columns and 25 rows of small blue dots, intended for taking notes.



www.tulplast.pl



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