



Tulplast®

Production and distribution
of plastic and metal products



PRODUCT **2022**
CATALOGUE



www.tulplast.pl

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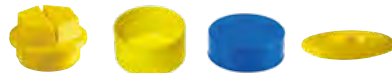
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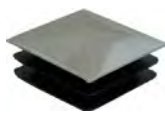


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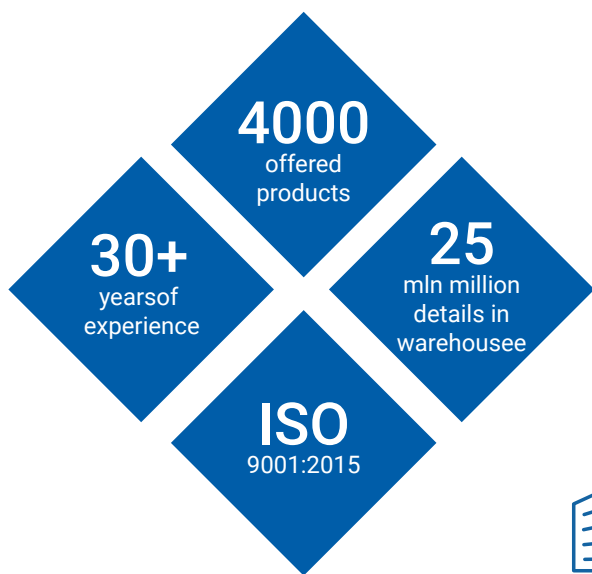


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About us



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.

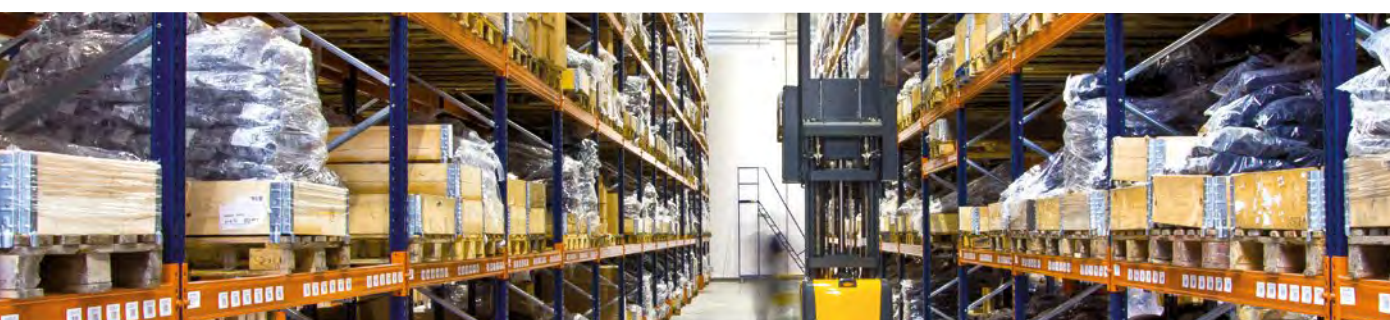
Entrepreneurship of the owners and the drive towards complex support of our Customers lead to a tool workshop as an addition to the pressure moulding site of TULPLAST, enabling it to participate in the development process of new products – from an idea, through designs, to very quick implementations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



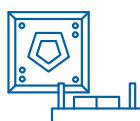


Products





Tool shop



Machine Park

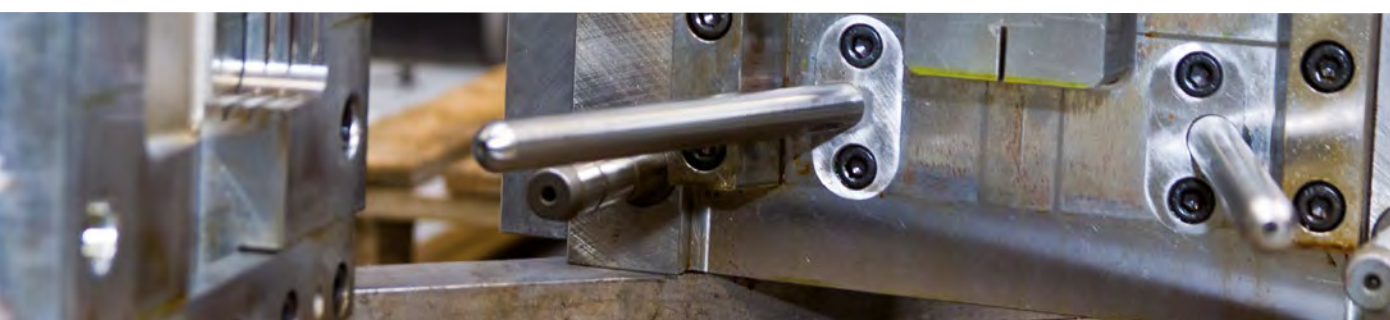
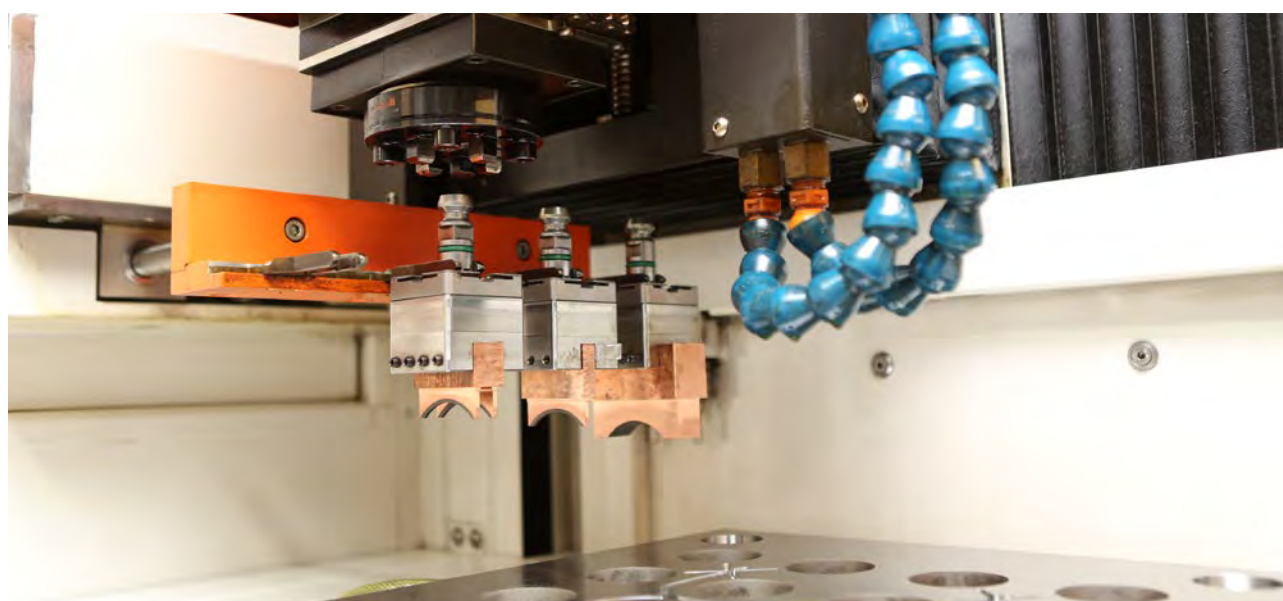
Innovation

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.

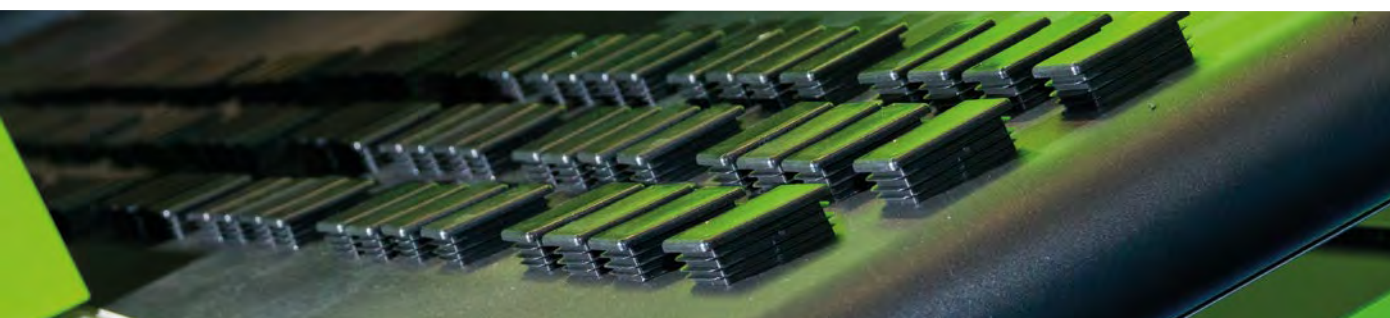
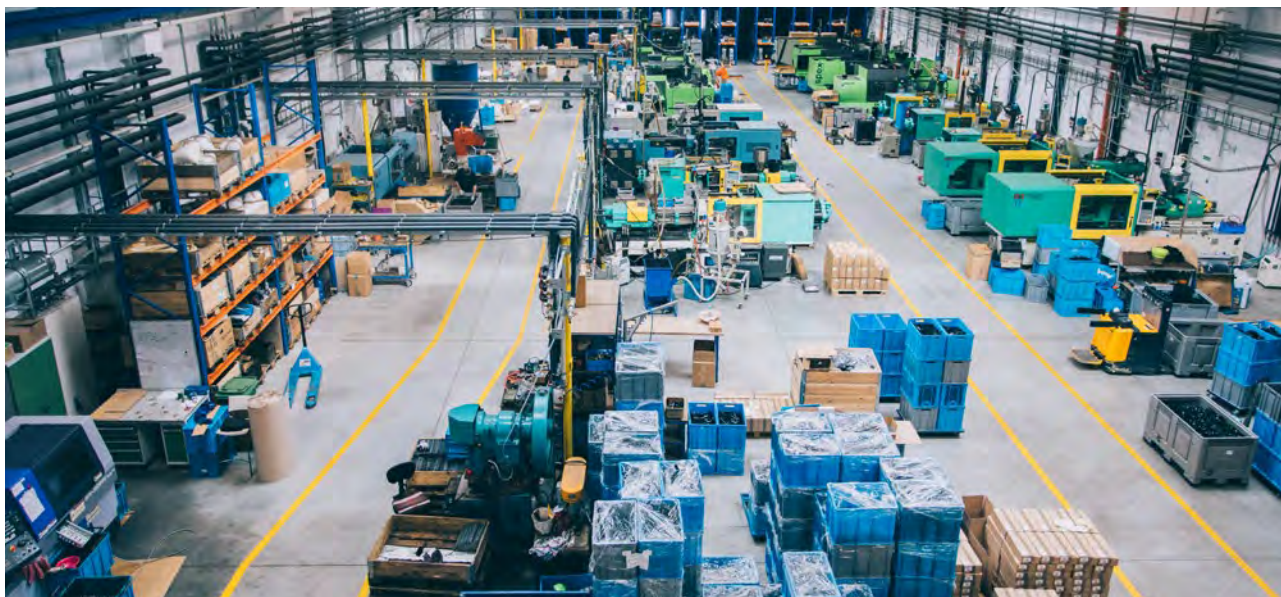
Our modern metalworking site is an important advantage of our company, as it allows production of materials for subsequent injection coating.

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





POLSKA IZBA HANDLU ZAGRANICZNEGO
CERTYFIKACJA
Polish Chamber of Foreign Trade
Certification

CERTYFIKAT

Nr 527/2007/02

Ten Certyfikat nadaje się jako dowód, że system zarządzania:
This Certificate is granted as evidence that the management system of:

 **Tulplast[®] Socha Sp. J.**

62-021 Paczkowo, ul. Wiosenna 27; Polska (Poland)

spełnia wymagania Normy:
complies with the requirements of the Standard:

ISO 9001:2015


w zakresie:
in the scope of:

- produkcja i sprzedaż wyrobów z tworzyw sztucznych i metalu
- *manufacturing and sale of plastic and metal products*

Spółka posiada certyfikat od 7 marca 2007
Company has held a certificate since 7th of March 2007

Ważność certyfikatu:
Expiry date:
6.03.2025

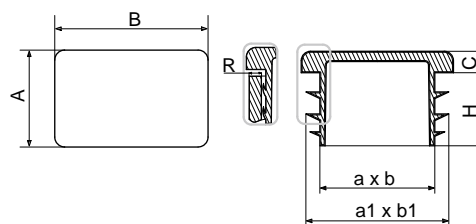



Artur Szwoch
PREZES / PRESIDENT
Gdynia, 7.03.2022

Plugs



Rectangular tube plugs



ART.NO.	TYPE	R [profile wall thickness]	A x B [mm]	C [mm]	H [mm]	a x b [mm]	a1 x b1 [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 11x 70	1,0-2,0	11x70	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]	a x b [mm]	a1 x b1 [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
3002	ZP 50 x 150	2,0-4,5	50 x 150	6,0	28,0	31,3 x 132,7	47,0 x 148,2
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	5,0-7,0	80 x 140	5,8	24,0	61,0 x 123	71,5 x 132,0
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	5,0-8,0	100 x 150	6,0	27,0	78,4 x 128,5	91,8 x 141,0

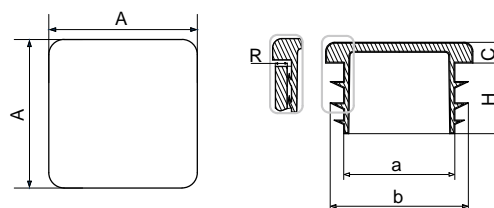
Material: polyethylene.

Standard Color

RAL 9005 7040 9010



Square tube plugs



ART.NO.	TYPE	R [profile wall thickness]	A x A [mm]	C [mm]	H [mm]	a [mm]	b [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	40,7	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	2,0-4,0	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	2,0-6,0	150 x 150	7,0	28,5	120,0	145,2

Material: polyethylene.

Standard Color

RAL 9005 7040 9010

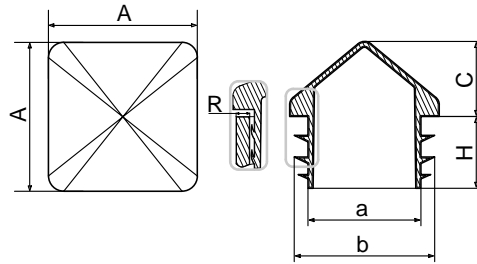




GROUP ZKK

Tube plugs

Pyramid plugs for square profiles



ART.NO.	TYPE	R [profile wall thickness]	A x A [mm]	C [mm]	H [mm]	a [mm]	b [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
3007	ZKK 30 x 30	1,0-2,0	30 x 30	5,5	13,5	24,7	29,0
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

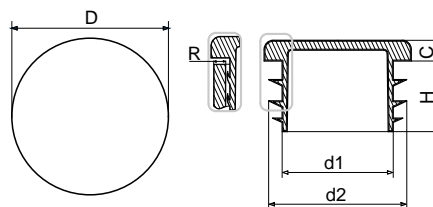
RAL 9005 7040 7016



GROUP ZO

Tube plugs

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	9,4	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	4,3	12,8	12,4	16,6
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	17,7	28,6	36,4
513	ZO 40	1,5-2,5	40	5,0	15,0	32,0	38,5
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	76,1	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	6,0	32,0	107,5	118,5
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

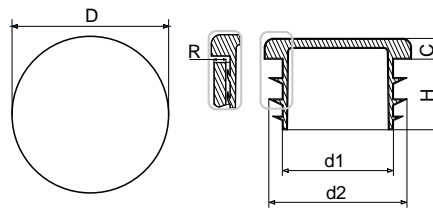




GROUP ZO

Tube plugs

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

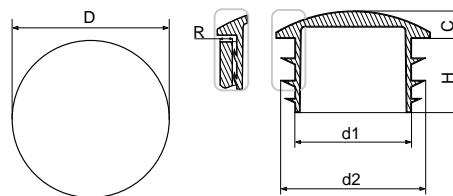
RAL 9005 7040 9010



GROUP ZOR

Tube plugs

Lenticular round tube plugs



ART.NO.	TYPE	R [profile wall thickness]	D [mm]	C [mm]	H [mm]	d1 [mm]	d2 [mm]
3009	ZOR 16	1,0-2,0	16,0	4,0	10,0	10,0	14,0
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



ART.NO.	TYPE	R [profile wall thickness]	D [mm]	C [mm]	H [mm]	d1 [mm]	d2 [mm]
543	ZOR 28	1,0-2,0	28,0	5,0	14,9	19,5	26,3
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.

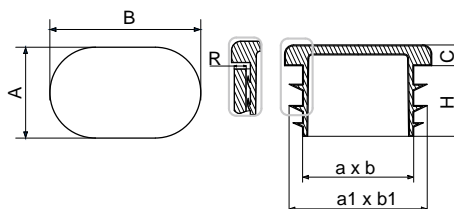
Standard Color
RAL 9005 7040 9010



GROUP ZPOW

Tube plugs

Oval tube inserts



ART.NO.	TYPE	R [profile wall thickness]	A x B [mm]	C [mm]	H [mm]	a x b [mm]	a1 x b1 [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

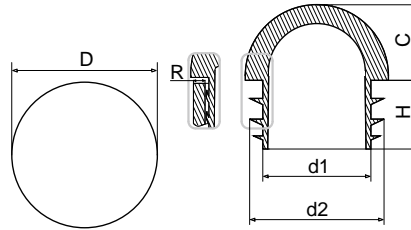
Material: polyethylene.

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
3016	ZORR 30	1,5-3,0	30,0	14,0	17,8	21,0	28,3
963	ZORR 32	1,2-2,5	32,0	16,0	20,0	26,3	30,2
3018	ZORR 40	1,5-2,5	40,0	20,0	14,8	31,9	38,6
551	ZORR 42,4 (11/4")	3-5	42,4	21,2	25,2	32,4	36,6
552	ZORR 48,3 (11/2")	2-3,5	48,3	24,1	25,0	38,2	46,1
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

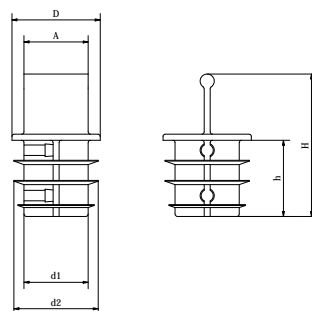




GROUP ZOWU

Inner plug with a handle

Inner plug with a handle



ART.NO.	TYPE	RGR WALL THICKNESS [MM]	D [mm]	A [mm]	d1 [mm]	d2 [mm]	H [mm]	h [mm]
3785	ZOWU-15	1,0-1,5	15	9,0	9,5	14,0	35,50	18,5
3786	ZOWU-18	1,0-1,5	18	12,0	12,5	17,0	35,50	18,5
3787	ZOWU-22	1,0-1,5	22	16,0	16,5	21,0	35,50	18,5

Material: polyethylene.

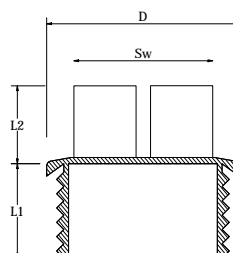
Standard Color
RAL 9005



GROUP KP005

Threaded sealing plugs

Threaded sealing plugs



ART.NO.	TYPE	D [mm]	L1 [mm]	L2 [mm]	SW [mm]	THREAD GAS
3788	KP005.1/8"	16,8	9	10	13	G 1/8"
3789	KP005.1/4"	19,2	9	10	13	G 1/4"
3790	KP005.3/8"	22,2	9	11	17	G 3/8"
3791	KP005.1/2"	27,2	12	13	19	G 1/2"



ART.NO.	TYPE	D [mm]	L1 [mm]	L2 [mm]	SW [mm]	THREAD GAS
3792	KP005.3/4"	32,3	12	13	24	G 3/4"
3793	KP005.1"	40	15	14	27	G 1"
3794	KP005.1.1/4"	50,4	15	15	36	G 1.1/4"
3795	KP005.1.1/2"	55,4	15	15	41	G 1.1/2"
3796	KP005.2"	68,4	15	15	55	G 2"

Material: polyethylene.

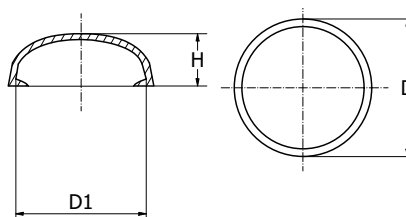
Standard Color
RAL 9005



GROUP OLW

Screw head cover

Screw head cover



ART.NO.	TYPE	D [mm]	D1 [mm]	H [mm]
3797	OLW 9x6x3,5	9	6	3,5
3798	OLW 9,2x7x4	9,2	7	4
3799	OLW 10x6x4	10	6	4
3800	OLW 10,5x7x5	10,5	7	5
3801	OLW 12x7x4,2	12	7	4,2
3802	OLW 12x8,2x2,5	12	8,2	2,5
3803	OLW 12x9x2,5	12	9	2,5
3804	OLW 12x9x5	12	9	5
3805	OLW 14x9x4,7	14	9	4,7
3806	OLW 14x10,5x3,8	14,0	10,5	3,8
3807	OLW 14x11x3,8	14,0	11	3,8
3808	OLW 15x11,5x4	15	11,5	4
3809	OLW 16x12x5	16	12	5
3810	OLW 16x14,5x5	16	14,5	5
3811	OLW 16,5x15x6,7	16,5	15	6,7
3812	OLW 17x11,6x4	17	11,6	4



ART.NO.	TYPE	D [mm]	D1 [mm]	H [mm]
3813	OLW 17x12x3,6	17	12	3,6
3814	OLW 18x15x5,3	18	15	5,3
3815	OLW 19x15x5,7	19	15	5,7
3816	OLW 25x22x10	25	22	10

Material: polyethylene.

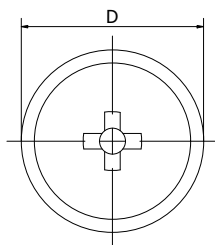
Standard Color
RAL 9005



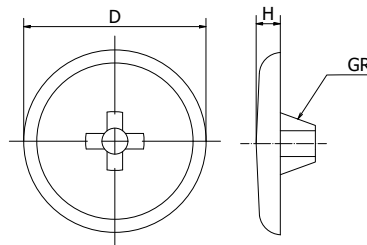
GROUP ZMW

Masking caps for screws

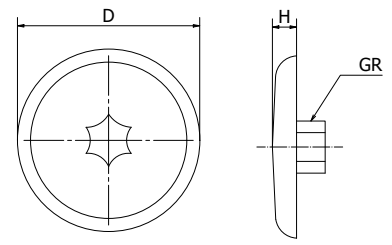
Cap for screws with head "Pozdriv"
Cover cap for "Philips" head screw
Cap for screws with socket "Torx"



Pozidriv



Philips

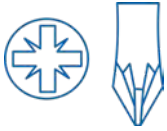


Torx

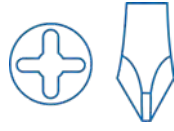
ART.NO.	TYPE	D [mm]	H [mm]	size of cut Gr	head, cut TYPE
3817	ZMW 8,1x1,7 PZ	8,1	1,7	Gr. I	Pozidriv
3818	ZMW 9x3,1 PZ	9,0	3,1	Gr. II	Pozidriv
3819	ZMW 12x1,7 PZ	12,0	1,7	Gr. II	Pozidriv
3820	ZMW 13x2,4 PZ	13,0	2,4	Gr. III	Pozidriv
3821	ZMW 15x2,4 PZ	15,0	2,4	Gr. III	Pozidriv
3822	ZMW 14x2,2 PZ	14,0	2,2	Gr. IV	Pozidriv
3823	ZMW 18,1x2,2 PZ	18,1	2,2	Gr. IV	Pozidriv
3824	ZMW 18,2x2,2 PZ	18,2	2,2	Gr. V	Pozidriv
3825	ZMW 12x2,2 PH	12,0	2,2	Gr. II	Philips
3826	ZMW 15x2 PH	15,0	2,0	Gr. III	Philips



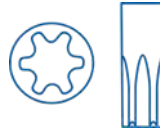
ART.NO.	TYPE	D [mm]	H [mm]	size of cut Gr	head, cut TYPE
3827	ZMW 12x2x10 Torx	12,0	2,0	10,0	Torx
3828	ZMW 12x2x15 Torx	12,0	2,0	15,0	Torx
3829	ZMW 12x2x20 Torx	12,0	2,0	20,0	Torx
3830	ZMW 13,5x21 Torx	13,5	2,1	25,0	Torx
3831	ZMW 15x2 Torx	15,0	2,0	25,0	Torx
3832	ZMW 18x2x25 Torx	18,0	2,0	25,0	Torx
3833	ZMW 16,5x2,2 Torx	16,5	2,2	30,0	Torx
3834	ZMW 18x2x40 Torx	18,0	2,0	40,0	Torx



PZ



PH



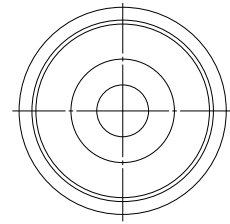
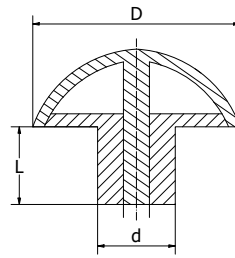
TX

Material: polyethylene.

Standard Color
RAL 9005



Cover cap for rivets



ART.NO.	TYPE	D [mm]	d [mm]	L [mm]
3835	ZMN 8x2x1,5	8	2,0	1,5
3836	ZMN 12x2,6x5	12	2,6	5,0
3837	ZMN 13x2,6x4	13	2,6	4,0
3838	ZMN 13x3x4	13	3,0	4,0
3839	ZMN 13x3,2x4,2	13	3,2	4,2
3840	ZMN 13x4,5x10	13	4,5	10,0
3841	ZMN 13x3,9x10	13	3,9	10,0
3842	ZMN 14x5,2x10	14	5,2	10,0
3843	ZMN 15x2,6x4	15	2,6	4,0
3844	ZMN 15x3x5	15	3,0	5,0
3845	ZMN 15,8x3,9x8,8	15,8	3,9	8,8
3846	ZMN 18x3,0x2,0	18	3,0	2,0
3847	ZMN 18x3x7	18	3,0	7,0

Material: polyethylene.

Standard Color
RAL 9005

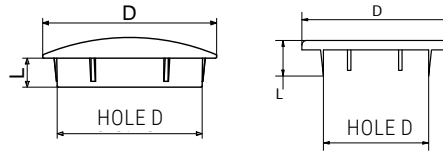




GROUP ZDO

Tube plugs

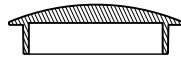
Hole plugs



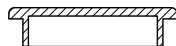
ART.NO.	TYPE	FOR HOLES D [mm]	D [mm]	L [mm]	Plug shape
570	ZDO 12 x 3	3,0	12,0	6,0	G
583	ZDO 8 x 4	4,0	8,0	3,0	G
571	ZDO 8 x 5	5,0	8,0	5,0	G
572	ZDO 10 x 6	6,0	10,0	5,4	G
573	ZDO 13 x 6	6,0	13,0	5,4	G
574	ZDO 10 x 7	7,0	10,0	6,0	G
575	ZDO 13 x 8	8,0	13,0	6,0	G
576	ZDO 13 x 9	9,0	13,0	6,2	G
577	ZDO 13 x 10	10,0	13,0	6,3	G
964	ZDO 13 x 10 x 4,5	10,0	13,0	4,5	G
578	ZDO 14 x 11	11,0	14,0	6,3	G
579	ZDO 15 x 12	12,0	15,0	8,6	G
580	ZDO 16 x 13	13,0	16,0	6,9	G
3490	ZDO 18x14	14,0	18,0	7,0	G
581	ZDO 18 x 15	15,0	18,0	7,0	F
2103	ZDO 19,5 x 15	15,0	19,5	7,0	F
2104	ZDO 20 x 17	17,0	20,0	10,0	F
584	ZDO 24 x 17	17,0	24,5	6,0	G
582	ZDO 24 x 20	20,0	24,0	10,0	F
598	ZDO 30 x 25	25,0	30,0	5,0	F
599	ZDO 36 x 30	30,0	36,0	10,0	F

Note:

G - plug has lenticular shape



F - plug has flat shape



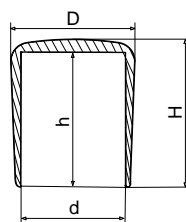
Material: polyethylene.

Standard Color

RAL 9005 7040 9010



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
3022	ZZO 4/PCV *	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
3645	ZZO 9,6/PCV *	9,6	16,7	13,3	13,3
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
3019	ZZO 12/PCV *	11,8	17,7	14,3	15,6
562	ZZO 14	13,7	16,0	13,2	17,0
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
3239	ZZO 25/PCV *	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
3020	ZZO 30/PCV *	29,7	29,2	24,2	34,6
569	ZZO 32	31,4	30,7	24,5	36,3
3021	ZZO 32/PCV *	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



ART.NO.	TYPE	d [mm]	H [mm]	h [mm]	D [mm]
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, *PCV.

Standard Color

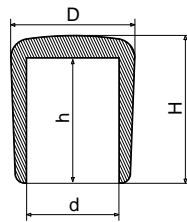
RAL 9005 7040 9010



GROUP SZO

Tube plugs

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: PCV.

Standard Color

RAL 9005

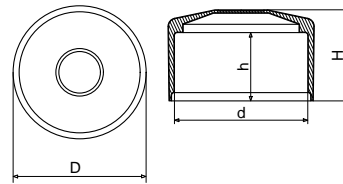




GROUP NSO

Caps

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

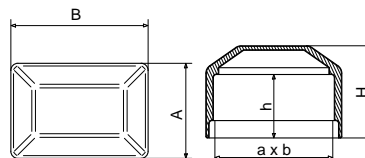
9005 7040 6005 8028 7016



GROUP NSP

Caps

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
3485	NSP 20x80	20,0 x 80,0	24,0 x 84,0	34	26



ART.NO.	TYPE	a x b [mm]	A x B [mm]	H [mm]	h [mm]
480	NSP 40 x 60	40,0 x 60,0	45,0 x 65,0	30,5	21,0
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

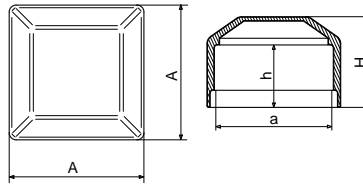
RAL 9005 7040 6005 8028 7016



GROUP NSK

Caps

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

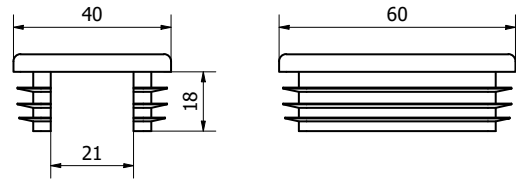




GROUP ZP/WYC

Caps for profiles Properties

Rectangular tube plug with cutout for fence posts with a bend



ART.NO.	TYPE
3578	ZP/WYC 40x60

Material: polyethylene.

Properties:

► prepared cutout for fence posts with a bend.

Standard Color

RAL 9005 7040 9010

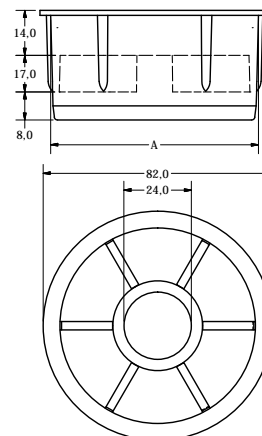


GROUP KZMD

Plug for cores

NEW

Plug for cores



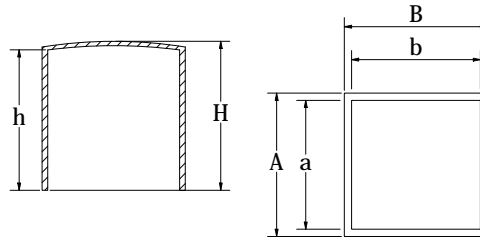
ART.NO.	TYPE	A [mm]
3259	KZMD-72	72
3260	KZMD-74	74

Material: polypropylene.

Standard Color

RAL 9005

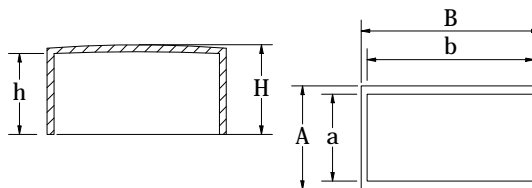


GROUP NZKP
Square/flat caps
Square/ flat outside cap


ART.NO.	TYPE	B x A [mm]	H [mm]	h [mm]	b x a [mm]
3689	NZKP 20 x 20	24,2x24,2	26,5	24,0	20,7x20,7
3690	NZKP 25 x 25	29,8x29,8	26,9	23,6	25,1x25,1
3691	NZKP 30 x 30	33,5x33,5	32,4	27,9	29,6x29,6
3692	NZKP 40 x 40	43,5x43,5	31,7	28,0	39,7x39,7
3693	NZKP 45 x 45	50,1x50,1	52,9	49,1	45,8x45,8
3694	NZKP 50 x 50	53,3x53,3	31,7	27,5	49,9x49,9

Material: polyethylene.

Standard Color
RAL 9005


GROUP NZPP
Rectangular/flat caps
Rectangular/ flat outside cap


ART.NO.	TYPE	B x A [mm]	H [mm]	h [mm]	b x a [mm]
3640	NZPP 30 x 5	34,5x9,7	19,6	17,0	30,3x5,3
3695	NZPP 30 x 15	32,1x17,9	24,4	22,3	29,3x14,6
3696	NZPP 40 x 20	42,4x23,3	10,2	7,4	39,7x20,1
3697	NZPP 40 x 25	45,0x30,0	53,4	49,7	40,9x25,4
3698	NZPP 40 x 30	45,1x35,1	53,6	49,7	40,7x30,6

Material: polyethylene.

Standard Color
RAL 9005

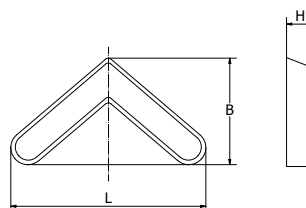




GROUP NKR

Angle support caps

Cap for rack angle



ART.NO.	TYPE	Angle support thickness [mm]	L [mm]	B [mm]	H [mm]
3699	NKR 25 x 25	1,5-2,0	42,6	26,6	11,5
3700	NKR 30 x 30	1,0-2,5	37,4	27,5	10,0
3701	NKR 36 x 36	1,5-2,5	58,5	34,6	11,3
3702	NKR 40 x 40	1,5-3,0	62,9	36,2	12,0

Material: polyethylene.

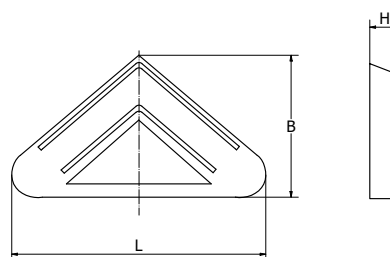
Standard Color
RAL 9005



GROUP NKRU

Angle support caps

Universal cap for angle



ART.NO.	TYPE	B [mm]	L [mm]	H [mm]
3703	NKRU 35 x 35	35	57	12

Material: polyethylene.

Standard Color
RAL 9005

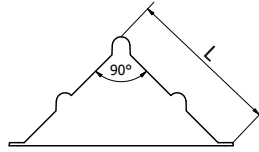




GROUP NOW

Protective corners

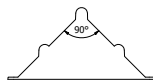
Protective corner strengthened to protect furniture boards



NR ART.	TYP	B [mm]	L [mm]
3704	NOW 2-3/A	2-3	50
3705	NOW 3-4/30/A	3-4	50
3706	NOW 3-4/40/A	3-4	50
4085	NOW 4/B	4	47
3707	NOW 4-5/A	4-5	50
4086	NOW 5/B	5	47
3708	NOW 5-6/A	5-6	50
4087	NOW 6/B	6	47
3709	NOW 7-8/A	7-8	50
4073	NOW 8/B	8	47
3710	NOW 9-10/A	9-10	50
3711	NOW 11-12/A	11-12	50
3712	NOW 15-16/A	15-16	50
3713	NOW 18/A	18	50
3714	NOW 19-20/A	19-20	50
3715	NOW 21-22/A	21-22	50
3716	NOW 25/A	25	50
3717	NOW 25-26/A	25-26	50
3718	NOW 28,5-30/A	28,5-30	50
3719	NOW 32-33/A	32-33	50
3720	NOW 39-40/A	39-40	50
4110	NOW40/B	40	60
3721	NOW 49-50/A	49-50	50

Remarks:

A - has inner sides reinforcement



B - has no inner sides reinforcement.



Material: polypropylene.

Standard Color
RAL 9005

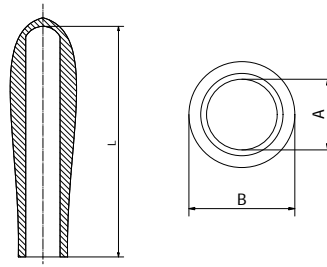




GROUP RGO

Handle

Smooth pipe handle



ART.NO.	TYPE	A [mm]	B [mm]	L [mm]
3722	RGO 11x100	11,0	19,0	100,0
3723	RGO 12x100	12,0	21,0	100,0
3724	RGO 14x130	14,0	27,0	130,0
3725	RGO 16x120	16,0	28,0	120,0
3726	RGO 18x130	18,0	30,0	130,0
3727	RGO 22x130	22,0	30,0	130,0
3728	RGO 23x130	23,0	32,0	130,0

Material: PVC.

Tolerance:

- ▶ internal length 1,5 – 2 mm,
- ▶ thickness of the wall +/- 0,3 mm.

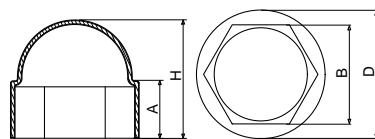
Standard Color
RAL 9005



Bolt and nut 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	Custom shape. Technical drawing pp 39.					
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	67,0	75,0	40,0	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	

Material: polyethylene.

Standard Color

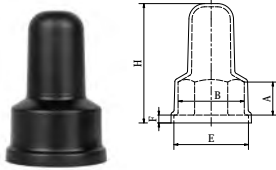
RAL 9005 7040 9010





Bolt and nut elongated cap

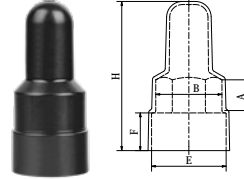
TYPE: A



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.

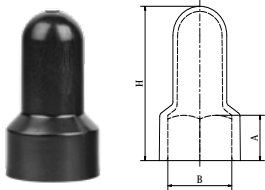
TYPE: B



ART.NO.	TYPE
398	MS M12 H54/B 2 x nuts
342	MS M16 H66/B 2 x nuts
3204	MS M18 H73/B 2x 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*

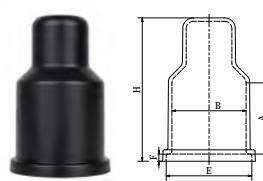
Place for washer.

TYPE: C



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

TYPE: 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]	KLUCZ
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	51,3	6,0	41
384	MS M27 H80/A	M27	39,9	83,0	24,0	51,3	6,0	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.

Properties:

▶ UV-resistant.

Use:

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

Standard Color

RAL 9005 7040 9010



* Article to be available soon.



Ultrasonic technology

Widely used in furniture industry

Products included in the caps and furniture accessories group can be ordered with felt "welded" using ultrasonic technology.





Felt welding using ultrasonic technology



Permanent connection
of felt with the product.



Ultrasonic technology is used in furniture industry to fix felt on furniture fittings as caps, furniture legs, furniture feet, etc. Felted elements facilitate moving of furniture over smooth surfaces, protect the floor and eliminate the noise. Technical felts feature very good sliding properties and friction resistance.

Advantages of fixing felt using ultrasonic technology:

- Accurate and durable fixing of felt without a need of using adhesives and fasteners.
- NSignificantly higher durability of fixing compared with conventionally bonded felt. When in use felt does not dislocate.

Use:

- chairs, stools, benches, upholstered and cabinet furniture, etc.

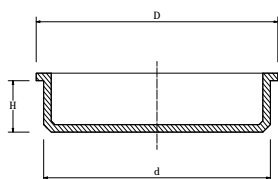


GROUP KP

Caps installation

Parallel protection plugs

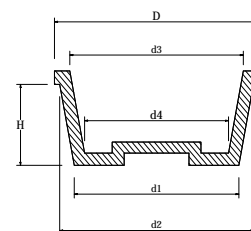
GROUP KP001



Hole diameter range from 2 mm to 311 mm.

Dual purpose caps/ plugs

GROUP KP002

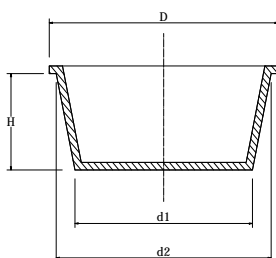


Hole diameter range from 4,4 mm to 84,5 mm.

Tapered protection plugs

Tapered protection plugs

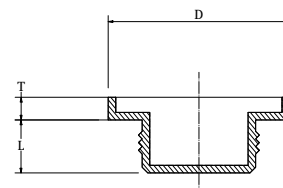
GROUP KP003



Hole diameter range from 8,1 mm to 313 mm.

Large head plugs with exterior threading

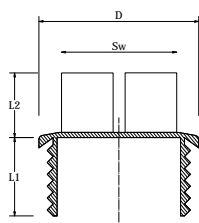
GROUP KP004



Thread range from 1/4" to 1" (gas pipe).

Threaded sealing plugs

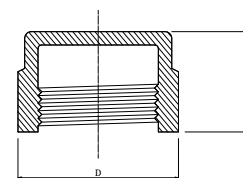
GROUP KP005



Metric thread range from M10 to M42.
Gas thread range from 1/8" to 2".
Unified thread from 7/16"x20 to 1.5/8"x16.

Parallel protection plugs

GROUP KP006

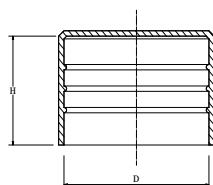


Metric thread range from od M8 to M24.
Gas thread range from 1/8" to 4".
Unified thread from 3/8"x24 to 2.1/2"x12.



Pipe protection caps

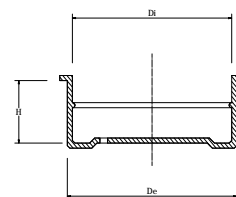
GROUP KP007



Pipe outer diameter range from 4 mm to 1625.6 mm.

Socket pipe plugs/caps

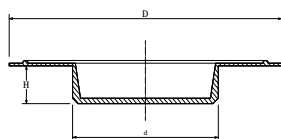
GROUP KP008



Pipe outer diameter range from 63 mm to 250 mm.

Flange protection star shaped plugs

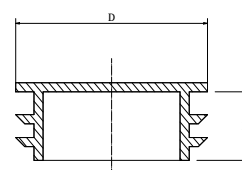
GROUP KP009



Hole diameter range from 54 mm to 155,5 mm.

Universal round insert-ribbed

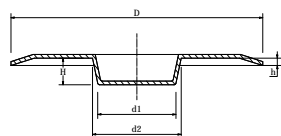
GROUP KP010



Hole diameter range from 15 mm to 300 mm.

Flange protection large plugs

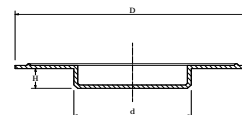
GROUP KP011



Hole diameter range from 24,5 to 27,5 mm.

Flange protection parallel plugs

GROUP KP012

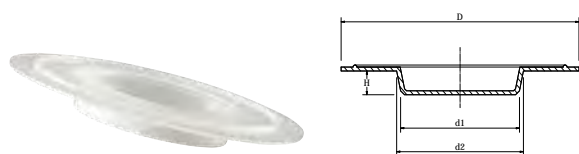


Hole diameter range from 14,5 mm to 406 mm.



Flange protection tapered plugs

GROUP KP013



Hole diameter range from 24,5 mm to 247 mm.

Integral protection for plange

GROUP KP014



Hole diameter range from 51 mm to 302 mm.

Round ribbed inserts

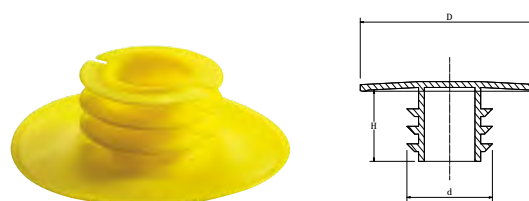
GROUP KP015



Hole diameter range from 15 mm to 25,5 mm.

Flange protection

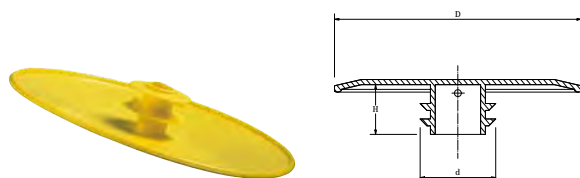
GROUP KP016



Hole diameter range from 19 mm to 317 mm.

Push-in flange covers

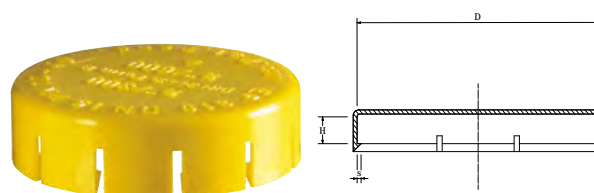
GROUP KP017



Zakres średnicy otworu od 14 mm do 410 mm.

Outside fitting flange covers

GROUP KP018

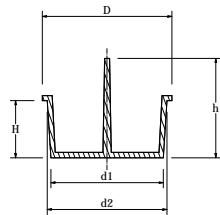


Thread outer diameter range DN15- DN300 from 1/2" to 10".



Tapered pull plugs

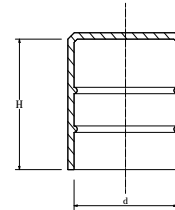
GROUP KP019



Hole diameter range from 5,6 mm to 84 mm.

Female high cap

GROUP KP020

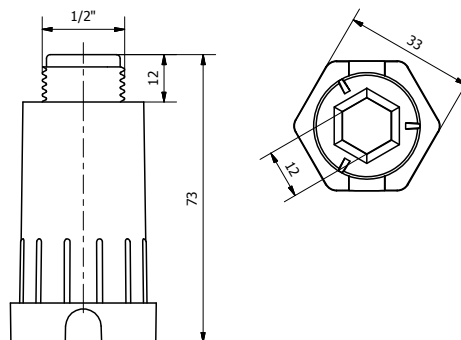


Pipe outer diameter range from 6 mm to 165 mm.

GROUP KP021

Caps installation

1/2" incn installation test plug leak



ART.NO.	TYPE
4063	KP021.1/2"

Material: polyethylene.

Standard Color
RAL 5005 3020



School furniture accessories

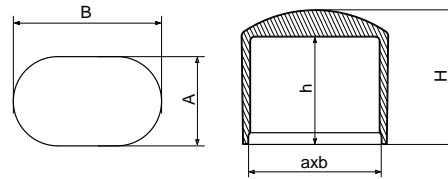




GROUP ZZOW

School furniture accessories

Aussenkappe fuer Ovalrohr



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.

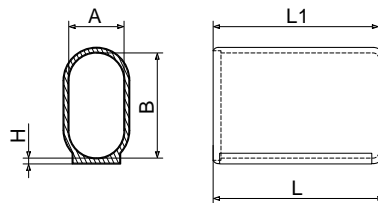
Standard Color
RAL 9005



GROUP NŚ

School furniture accessories

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

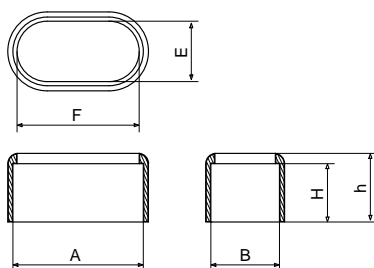




GROUP ROW

School furniture accessories

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

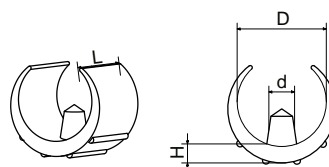
RAL 9005 7040



GROUP NZ

School furniture accessories

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

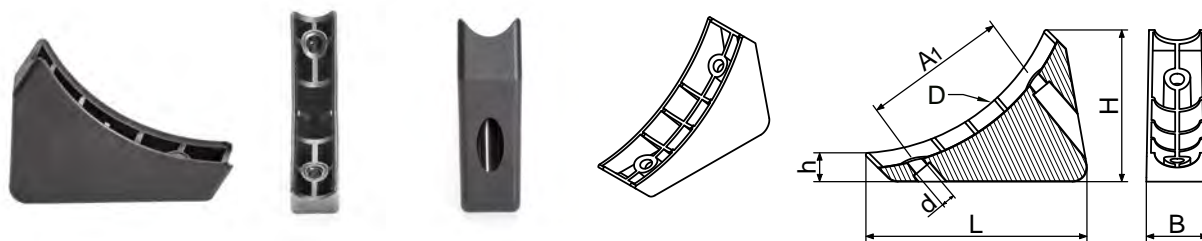
RAL 9005



GROUP SGOW

School furniture accessories

Feet for bent round pipes



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

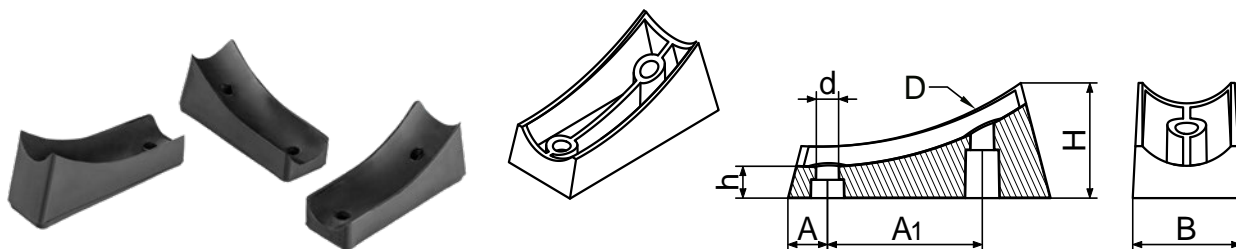


GROUP SGO

School furniture accessories

NEW

Feet for curved round pipes



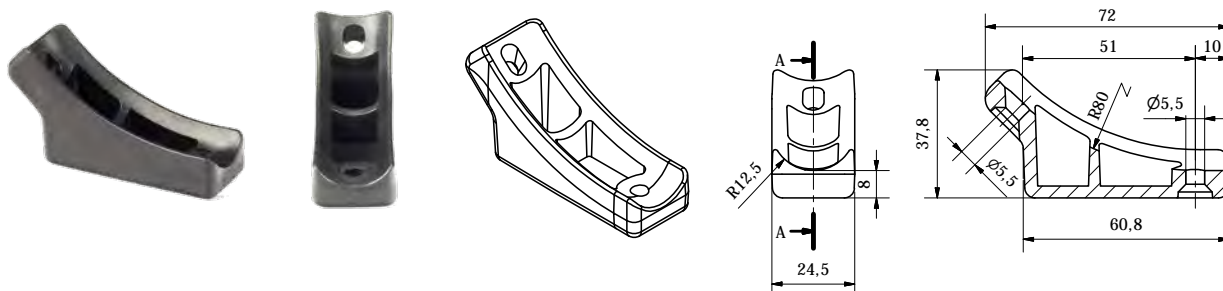
ART.NO.	TYPE	D [TUBE RANGE]	L [mm]	B [mm]	H [mm]	h [mm]	d [mm]	A [mm]	A1 [mm]
391	SGO 22/H30	Ø22	71,0	23,0	30,5	6,5	6,0	9,5	42,3
392	SGO 22/H25	Ø22	71,0	27,0	25,8	6,5	6,0	9,5	42,3
393	SGO 25	Ø25	72,5	30,0	30,2	8,3	6,0	9,5	42,3
394	SGO 32	Ø32	75,0	32,5	30,0	8,3	6,0	12,0	28,0
395	SGO 38	Ø38	75,0	32,0	30,0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

Material: polyethylene.

Standard Color
RAL 9005



Rubber furniture washer



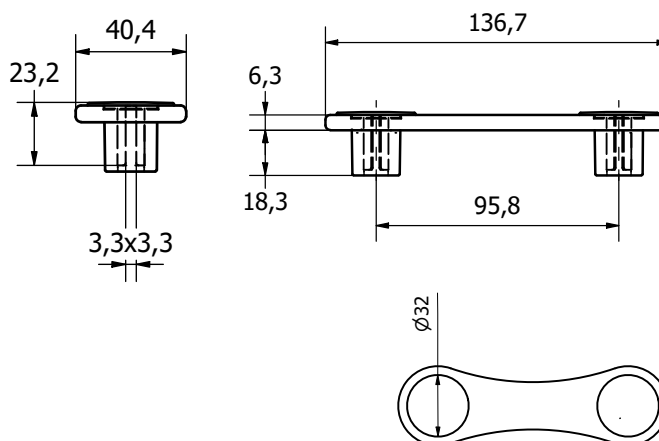
ART.NO.	TYPE	D [TUBE RANGE]
3159	SGO 25/H38	Ø 25

Material: polyethylene.

Standard Color
RAL 9005



Furniture handle



ART.NO.	TYPE
3387	handle L96

Properties:

► various colours of masking caps.

Note:

► any RAL colour can be ordered.

Material: polypropylene.

Standard Color
RAL 9005



Other products from Plugs group

TYPE ZP/SKOS
TYPE ZK/SKOS



Oblique rectangular / square plug

TYPE ZP/OZD



Decorative rectangular plug

TYPE ZWOW/SKOS



Oblique oval tube insert

TYPE ZWOW/SKOS/F



Oblique oval tube insert with felt

TYPE ZWO/SKOS



Oblique round tube insert

TYPE ZWO/SKOS/F



Oblique round tube insert with felt

TYPE NŚO



Round pipe sliding cover

TYPE NŚO/F



Round pipe sliding cover with felt

TYPE NŚOW



Oval pipe sliding cover

TYPE NŚOW/F



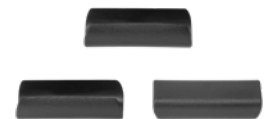
Oval pipe sliding cover with felt

TYPE ZK/SL
TYPE ZP/SL



Rectangular / square plug, slide

TYPE NZ/P50



Flat clamp cover

Chrome plated plugs

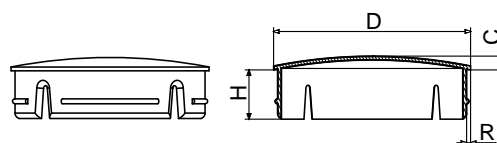




GROUP ZOM

Metallized plugs

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.

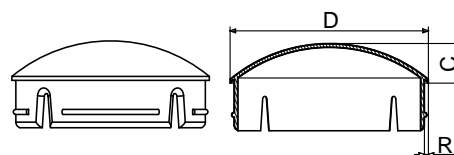
Use: shop furniture, furniture feet, chrome plated stands.

Standard Color: chrome plated effect.

GROUP ZORM

Metallized plugs

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

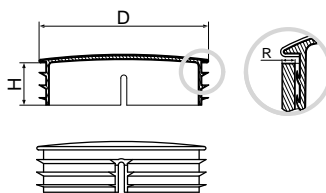
Material: ABS.



GROUP ZOCH

Chrome plated plugs

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, polished stainless steel.

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.



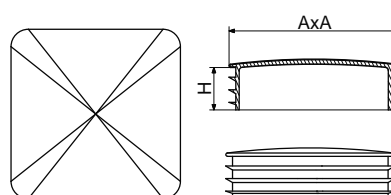
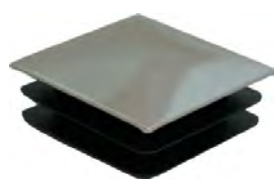
Use: shop furniture, furniture feet, chrome plated stands.



GROUP ZKCH

Chrome plated plugs

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

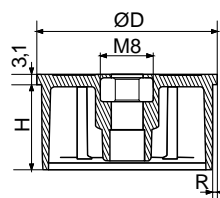
Material: polyethylene, chrome-plated sheet metal.

Standard Color: chrome plated effect.

GROUP WW

Universal bushings for production of furniture

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
T375	WW 60 M8 1,5	1,5	60,0	24,0	Nut M8

Material: polypropylene.

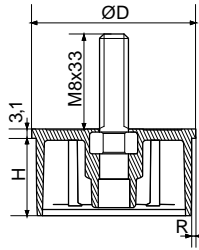
Use: during production of furniture feet, insert bushing allows to omit the process of welding of a metal plate inside a tube.

Standard Color
RAL 9005





Insert bushing with M8 bolt



ART.NO.	TYPE	R [wall thickness (mm)]	D [mm]	H [mm]	REMARK
T086	WW 40 M8x33 1,0-1,2	1,0-1,2	40,0	24,0	Thread M8x33
T087	WW 40 M8x33 1,5	1,5	40,0	24,0	Thread M8x33
T088	WW 50 M8x33 1,0	1,0	50,0	24,0	Thread M8x33
T089	WW 50 M8x33 1,2	1,2	50,0	24,0	Thread M8x33
T090	WW 50 M8x33 1,5	1,5	50,0	24,0	Thread M8x33
T330	WW 60 M8x33 1,0	1,0	60,0	24,0	Thread M8x33
T091	WW 60 M8x33 1,2	1,2	60,0	24,0	Thread M8x33
T376	WW 60 M8x23 1,5	1,5	60,0	24,0	Thread M8x23

Material: polypropylene.

Use:

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

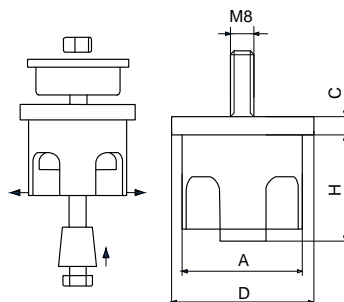
Standard Color
RAL 9005



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 furniture glide with pin



ART.NO.	TYPE	A [mm]	C [mm]	h [mm]	H [mm]
T342	S-18/B4,5	16	8	4,5	11
T017	S-18/B6,0	16	8	6	11
T018	S-18/C	16	4,3	4,5	9,5

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

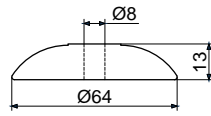




GROUP S

Supports for metal legs

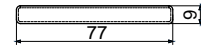
Supports for metal legs



ART.NO.	TYPE
T035	S-30/A

Material: polypropylene.

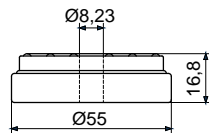
Standard Color
RAL 9005



ART.NO.	TYPE
T036	S-30/B

Material: polypropylene.

Standard Color
RAL 9005



ART.NO.	TYPE
T037	S-30/C

Material: polypropylene.

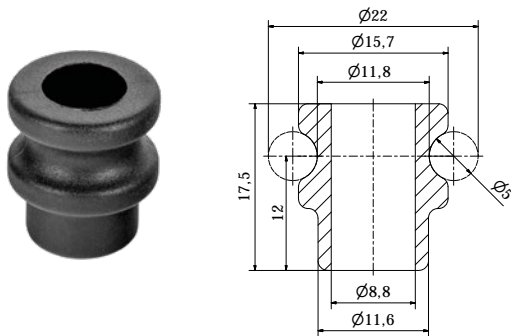
Standard Color
RAL 9005



Plastic pads Washers and spacers



Jack spring bushing



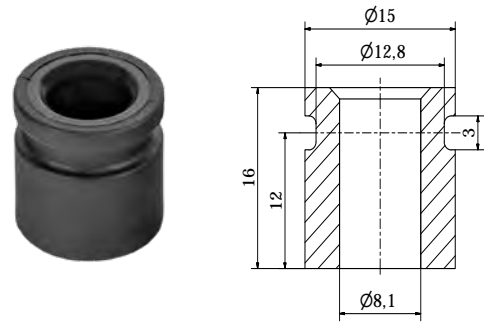
ART.NO.	TYPE	MATERIAL
T337	TS15,7x17,5x8,8/PA66	PA66

Material: polyamide PA66.

Standard Color
RAL 9005



Bush for jack spring



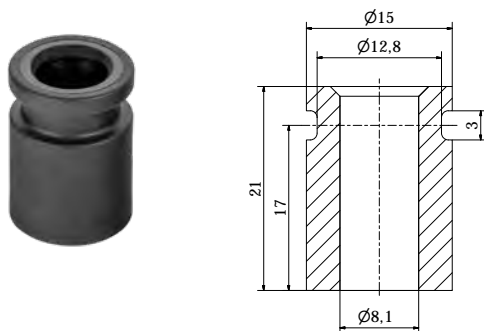
ART.NO.	TYPE	MATERIAL
T338	TS15x16x8,1/PA66	PA66

Material: polyamide PA66.

Standard Color
RAL 9005



Bush for jack spring



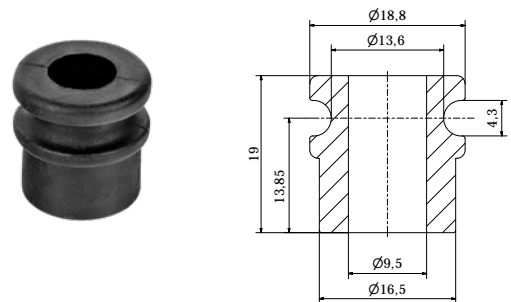
ART.NO.	TYPE	MATERIAL
T347	TS15x21x8,1/PA66	PA66

Material: polyamide PA66.

Standard Color
RAL 9005



Bush for jack spring



ART.NO.	TYPE	MATERIAL
T348	TS18,8x19x9,5/PA66	PA66

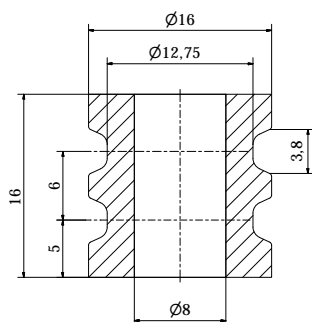
Material: polyamide PA66.

Standard Color
RAL 9005





Bush for jack spring



ART.NO.	TYPE	MATERIAL
T349	TS16x16x8*/PA66	PA66

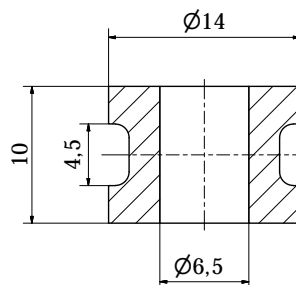
* Article to be available soon.

Material: polyamide PA66.

Standard Color
RAL 9005



Bush for jack spring



ART.NO.	TYPE	MATERIAL
T361	TS14x10x6,5*/PA66	PA66

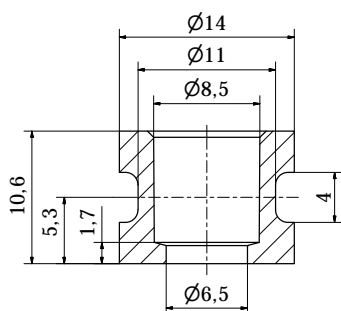
* Article to be available soon.

Material: polyamid PA66.

Standard Color
RAL 9005



Bush for jack spring



ART.NO.	TYPE	MATERIAL
T362	TS14x10,6x6,5/N*/PA66	PA66

* Article to be available soon.

Material: polyamide PA66.

Standard Color
RAL 9005



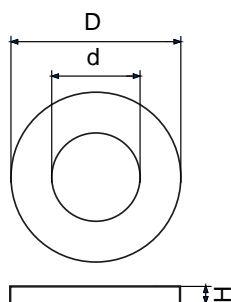
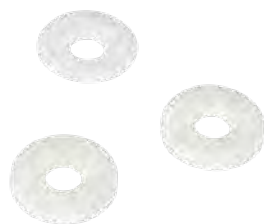
USE OF BUSHES AND PADS IN JACK SPRING

E.G.





Round pad plastic



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
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
T259	PO 15x 8,4 x 1,0	15,0	1,0	8,4	M8
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
T332	PO 17 x 8,4 x 1,5	17,0	1,5	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
T335	PO 17 x 8,4 x 5,0	17,0	5,0	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 PA6.

Note:

- ▶ pads made from other plastic can be manufactured
 - PA 6.6 - with an improved instant resistance to temperature of up to 220°C,
- ▶ pads in other colours can be custom ordered,
- ▶ any height and other hole can be ordered.

Properties:

- ▶ high resistance to abrasion and temperature 180°C.
- ▶ resistance to oils, lubricants, fuels, moisture,
- ▶ provides element insulation

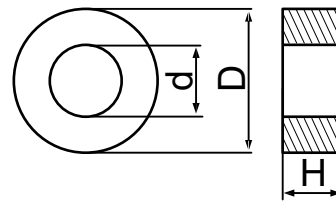
Standard Color: natural.



GROUP PD

Pads

Spacer



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

Material: polyethylene.

Note: any height between 2.5 mm and 30 mm can be ordered.

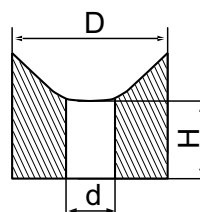
Standard Color
RAL 9005



GROUP PS

Pads

Seat-shaped washer for connecting a pipe to a plane



Material: polyethylene.

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

Standard Color
RAL 9005

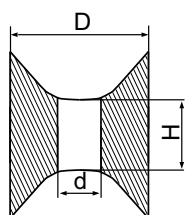




GROUP PS2

Pads

Seat-shaped washer for connecting two parallel pipes



Material: polyethylene.

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

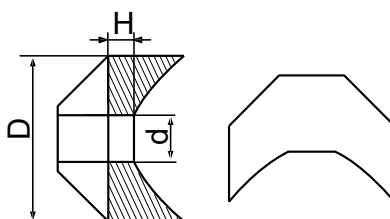
Standard Color
RAL 9005



GROUP PS2K

Pads

Seat-shaped washer for connecting two perpendicular pipes



Material: polyethylene.

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

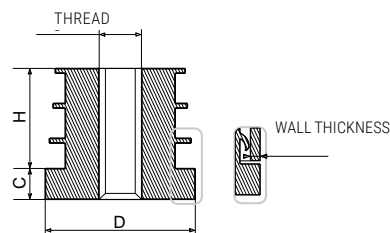
Standard Color
RAL 9005



Adjusting feet
Hand knobs
Threaded inserts
Handles



Round threaded tube inserts



ART.NO.	TYPE	THREAD	D [mm]	WALL THICKNESS [MM]	H [mm]	C [mm]
3274	WGOT 20 M6	M6	20	1,0-1,25	20,0	6,2
3275	WGOT 20 M6	M6	20	1,5	20,0	6,2
700	WGOT 20 M8	M8	20	1,0-1,25	20,0	6,2
701	WGOT 20 M8	M8	20	1,5	20,0	6,2
702	WGOT 20 M10	M10	20	1,0-1,25	20,0	6,2
703	WGOT 20 M10	M10	20	1,5	20,0	6,2
704	WGOT 25 M8	M8	25	1,0-1,25	20,0	6,2
705	WGOT 25 M8	M8	25	1,5	20,0	6,2
706	WGOT 25 M10	M10	25	1,0-1,25	20,0	6,2
707	WGOT 25 M10	M10	25	1,5	20,0	6,2
708	WGOT 30 M8	M8	30	1,0-1,25	20,0	6,2
709	WGOT 30 M8	M8	30	1,5	20,0	6,2
710	WGOT 30 M8	M8	30	2,0	20,0	6,2
711	WGOT 30 M10	M10	30	1,0-1,25	20,0	6,2
712	WGOT 30 M10	M10	30	1,5	20,0	6,2
713	WGOT 30 M10	M10	30	2,0	20,0	6,2
714	WGOT 32 M8	M8	32	1,0-1,2	20,0	6,2
715	WGOT 32 M10	M10	32	1,0-1,2	20,0	6,2
720	WGOT 40 M8	M8	40	1,0-1,5	20,0	6,2
721	WGOT 40 M8	M8	40	2,0	20,0	6,2
724	WGOT 40 M10	M10	40	1,0-1,5	20,0	6,2
725	WGOT 40 M10	M10	40	2,0	20,0	6,2

Note: thread M6 can be provided.

Material: polyamide.

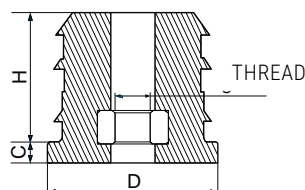
Standard Color
RAL 9005





GROUP WGOM | Threaded inserts

Round tube insert with metal thread



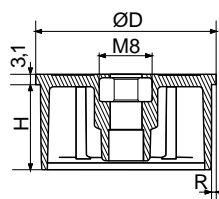
ART.NO.	TYPE	THREAD	D [mm]	WALL THICKNESS [MM]	H [mm]	C [mm]
779	WGOM25 M8	M8	25	1,5-2,0	25,0	5
780	WGOM30 M8	M8	30	1,5	25,5	4
781	WGOM30 M10	M10	30	1,5	25,5	4
782	WGOM32 M8	M8	32	1,5	25,5	4
783	WGOM32 M10	M10	32	1,5	25,5	4
784	WGOM35 M8	M8	35	1,5	25,5	4
785	WGOM35 M10	M10	35	1,5	25,5	4
786	WGOM40 M8	M8	40	1,2-1,5	25,0	5
4058	WGOM40 M8/ HDPE*	M8	40	2,0	25,0	5
787	WGOM40 M10	M10	40	1,5	25,0	5
798	WGOM40 M10	M10	40	2,0-2,5	25,0	5
4064	WGOM40 M10/ HDPE*	M10	40	2,0	25,0	5

Material: polyamide.
* polyethylene.

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
T375	WW 60 M8 1,5	1,5	60,0	24,0	Nut M8

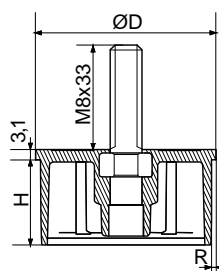
Material: polypropylene.

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 M8x33 1,0-1,2	1,0-1,2	40,0	24,0	THREAD M8x33
T087	WW 40 M8x33 1,5	1,5	40,0	24,0	THREAD M8x33
T088	WW 50 M8x33 1,0	1,0	50,0	24,0	THREAD M8x33
T089	WW 50 M8x33 1,2	1,2	50,0	24,0	THREAD M8x33
T090	WW 50 M8x33 1,5	1,5	50,0	24,0	THREAD M8x33
T330	WW 60 M8x33 1,0	1,0	60,0	24,0	THREAD M8x33



ART.NO.	TYPE	R [profile wall thickness]	D [mm]	H [mm]	REMARK
T091	WW 60 M8x33 1,2	1,2	60,0	24,0	Thread M8x33
T376	WW 60 M8x23 1,5	1,5	60,0	24,0	Thread M8x23

Material: polypropylene.

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

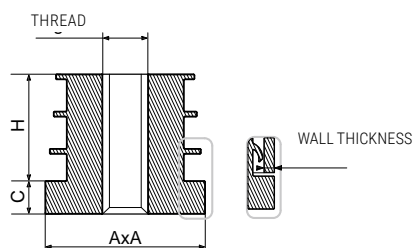
Standard Color
RAL 9005



GROUP WGKT

Threaded inserts

Square threaded tube inserts PA



ART.NO.	TYPE	THREAD	AxA [mm]	WALL THICKNESS [mm]	H [mm]	C [mm]
3273	WGKT 20 M6	M6	20x20	1,0-1,25	20,0	6,2
3267	WGKT 20 M6	M6	20x20	1,5	20,0	6,2
730	WGKT 20 M8	M8	20x20	1,0-1,25	20,0	6,2
731	WGKT 20 M8	M8	20x20	1,5	20,0	6,2
732	WGKT 20 M10	M10	20x20	1,0-1,25	20,0	6,2
733	WGKT 20 M10	M10	20x20	1,5	20,0	6,2
734	WGKT 25 M8	M8	25x25	1,0-1,25	20,0	6,2
735	WGKT 25 M8	M8	25x25	1,5	20,0	6,2
736	WGKT 25 M10	M10	25x25	1,0-1,25	20,0	6,2
737	WGKT 25 M10	M10	25x25	1,5	20,0	6,2
738	WGKT 30 M8	M8	30x30	1,0-1,25	20,0	6,2
739	WGKT 30 M8	M8	30x30	1,5	20,0	6,2
740	WGKT 30 M8	M8	30x30	2,0	20,0	6,2
741	WGKT 30 M10	M10	30x30	1,0-1,25	20,0	6,2
742	WGKT 30 M10	M10	30x30	1,5	20,0	6,2
743	WGKT 30 M10	M10	30x30	2,0	20,0	6,2
750	WGKT 40 M8	M8	40x40	1,0-1,5	20,0	6,2
751	WGKT 40 M8	M8	40x40	2,0	20,0	6,2
754	WGKT 40 M10	M10	40x40	1,0-1,5	20,0	6,2
755	WGKT 40 M10	M10	40x40	2,0	20,0	6,2

Note: thread M6 can be provided.

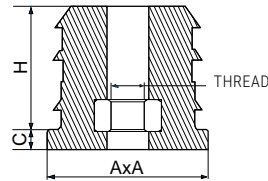
Material: polyamide.

Standard Color
RAL 9005





Square threaded tube inserts with metal thread/ reinforced PA



ART.NO.	TYPE	THREAD	AxA [mm]	WALL THICKNESS [mm]	H [mm]	C [mm]
760	WGKM 30 M8	M8	30x30	1,2-2,0	30,0	5,0
761	WGKM 30 M10	M10	30x30	1,2-2,0	30,0	5,0
762	WGKM 40 M8	M8	40x40	1,5-2,0	30,0	5,0
763	WGKM 40 M10	M10	40x40	1,5-2,0	30,0	5,0

Material: polyamide.

Comes with a metal nut for self-assembling.

Standard Color
RAL 9005



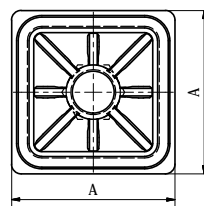
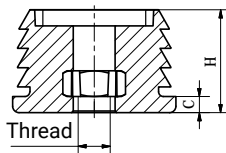


GROUP WGKM/WN

Threaded inserts

NEW

Square threaded insert



ART.NO.	TYPE	THREAD	A x A [mm]	WALL THICKNESS [mm]	H [mm]	C [mm]
3262	WGKM/WN 50 M10	M10	50x50	2,0	26,5	5

Material: polyethylene.

Standard Color
RAL 9005

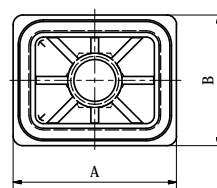
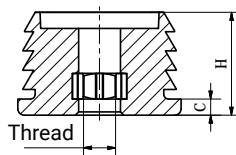


GROUP WGPM/WN

Threaded inserts

NEW

Rectangular threaded insert



ART.NO.	TYPE	THREAD	AxB [mm]	WALL THICKNESS [mm]	H [mm]	C [mm]
3263	WGPM/WN 40x50 M10	M10	40x50	2,0	26,5	5

Material: polyethylene.

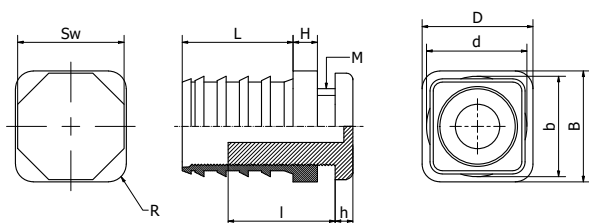
Standard Color
RAL 9005



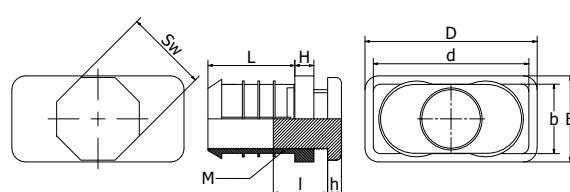
Height adjuster



Square



Rectangle



ART.NO.	TYPE	TUBE SIZE DXB	WALL THICKNESS [mm]	H [mm]	dxb [mm]	L [mm]	Bolt M x l x h [mm]	SW	RADIUS
3771	RW 20x20	20x20	1,0-2,0	5,0	18,6x18,6	17,0	10x24x4	20	
3772	RW 25x25	25x25	1,0-2,0	5,5	23,3x23,3	25,0	16x26x6	27	
3773	RW 25x25/ R6	25x25	1,0-2,0	5,5	23,3x23,3	25,0	16x26x6	27	R6
3774	RW 30x30	30x30	1,0-2,0	5,5	28,6x28,6	23,0	20x25x6	27	
3775	RW 30x30/ R6	30x30	1,0-2,0	5,5	28,6x28,6	23,0	20x25x6	27	R6
3776	RW 35x35	35x35	1,5	5,0	32,5x32,5	29,2	22x20x5	28	
3777	RW 40x40	40x40	2,0	5,0	37,0x37,0	29,0	22x20x5	28	
3778	RW 45x45	45x45	1,5-2,0	5,0	42,0x42,0	29,0	30x28x5	41	
3779	RW 30x20	30x20	1,0-2,0	5,0	28,5x18,0	32,0	12x27x5	20	
3780	RW 40x20	40x20	1,5	5,0	39,5x17,5	32,0	12x27x5	20	
3781	RW 40x30	40x30	1,0-2,0	5,0	38,5x28,5	32,0	22x30x5	28	
3782	RW 40x30/ Ścianka 3,0	40x30	3,0	5,0	35,0x25,0	32,0	22x30x5	28	
3783	RW 50x20	50x20	1,0-2,0	5,0	48,5x18,5	32,0	12x30x5	20	
3784	RW 60x30	60x30	1,0-2,0	5,0	58,5x28,5	32,0	22x47, 5x5	27	

Material: polyamide.

Standard Color
RAL 9005

Adjustable feet Ø30



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

Material: polypropylene.

Various lengths of bolts M8 and M10.

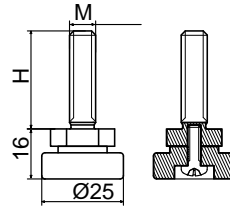
Standard Color
RAL 9005



GROUP SR02

Adjustable feet

Non-tilt screwed adjustable feet (rotary base) Ø25



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

Material: polypropylene.

Various lengths of bolts M8 and M10.

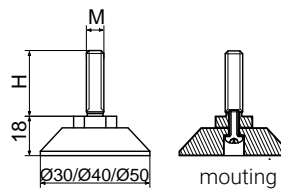
Standard Color
RAL 9005



GROUP SR03

Adjustable feet

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
772	SR-03 Ø40 M8 x 30	Ø40	M8	30



ART.NO.	TYPE	FOOT	THREAD	H [mm]
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



GROUP SR03/N | Adjustable feet

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
3051	SR-03/N Ø40 M10 x 80	Ø40	M10	80
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

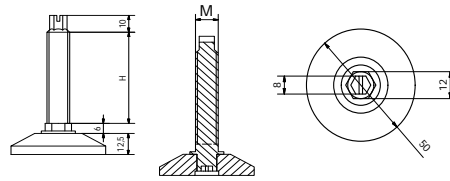
Material: polypropylene.

Various lengths of bolt M10.

Standard Color
RAL 9005



Fixed riveted adjusting foot with top adjustment Ø50



ART.NO.	TYPE	FOOT	THREAD	H [mm]
3276	SR-03/NR Ø50 M12 x 30/40	Ø50	M12	30
3266	SR-03/NR Ø50 M12 x 53/63	Ø50	M12	53

Material: polypropylene.

Properties:

► feet can be adjusted for lower and upper height using open wrench, socket wrench and flat screwdriver.

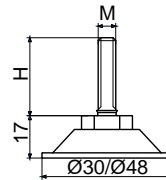
Standard Color
RAL 9005



GROUP SR04

Adjustable feet

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.

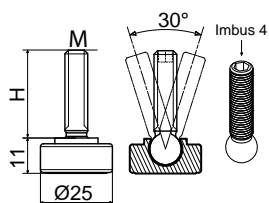
Various lengths of bolt M10.

Standard Color: galvanized.



GROUP SR05/A | Adjustable feet

Tilt adjustable feet Ø25/A



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

Material: polypropylene.

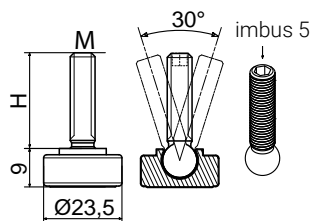
Various lengths of bolt M8.

Standard Color
RAL 9005



GROUP SR05/B | Adjustable feet

Tilt adjustable feet Ø23,5/B



ART.NO.	TYPE	FOOT	THREAD	H [mm]
4066	SR-05/B Ø23,5 M8 x 20	Ø23,5	M8	20
4067	SR-05/B Ø23,5 M8 x 27	Ø23,5	M8	27
4068	SR-05/B Ø23,5 M8 x 40	Ø23,5	M8	40

Material: polypropylene.

Various lengths of bolt M8.

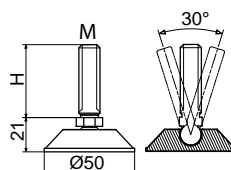
Standard Color
RAL 9005



GROUP SR06

Adjustable feet

Tilt adjustable feet Ø40/Ø50



ART.NO.	TYPE	FOOT	THREAD	H [mm]
4077	SR-06 Ø40 M12 x 40	Ø40	M12	40
4076	SR-06 Ø40 M12 x 60	Ø40	M12	60
4078	SR-06 Ø40 M12 x 80	Ø40	M12	80
4075	SR-06 Ø40 M12 x 100	Ø40	M12	100
796	SR-06 Ø50 M12 x 40	Ø50	M12	40
797	SR-06 Ø50 M12 x 60	Ø50	M12	60
2157	SR-06 Ø50 M12 x 80	Ø50	M12	80
2158	SR-06 Ø50 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

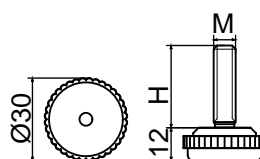
RAL 9005



GROUP SR07

Adjustable feet

Adjustable feet Ø30



ART.NO.	TYPE	FOOT	THREAD	H [mm]
650	SR-07 Ø30 M6 x 06	Ø30	M6	06
651	SR-07 Ø30 M6 x 08	Ø30	M6	08
652	SR-07 Ø30 M6 x 15	Ø30	M6	15
653	SR-07 Ø30 M6 x 20	Ø30	M6	20
654	SR-07 Ø30 M6 x 25	Ø30	M6	25
670	SR-07 Ø30 M6 x 30	Ø30	M6	30
671	SR-07 Ø30 M6 x 45	Ø30	M6	45



ART.NO.	TYPE	FOOT	THREAD	H [mm]
655	SR-07 Ø30 M8 x 15	Ø30	M8	15
656	SR-07 Ø30 M8 x 20	Ø30	M8	20
657	SR-07 Ø30 M8 x 25	Ø30	M8	25
658	SR-07 Ø30 M8 x 30	Ø30	M8	30
659	SR-07 Ø30 M8 x 40	Ø30	M8	40
660	SR-07 Ø30 M8 x 45	Ø30	M8	45
661	SR-07 Ø30 M8 x 60	Ø30	M8	60

Material: polypropylene.

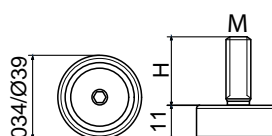
Various lengths of bolts M6 and M8.

Standard Color
RAL 9005



GROUP SR08 | Adjustable feet

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.

Note: various lengths of bolts M8. Mounting from the bottom with hex socket bolt 5.

Standard Color
RAL 9005



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
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

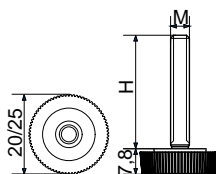
Material: polypropylene.

Various lengths of bolts M6, M8 and M10.

Standard Color
RAL 9005



Knurled feet Ø20/Ø25



NR ART.	TYP	FOOT	THREAD	H [mm]
3193	SR-10 Ø20 M5 x 13	Ø20	M5	13
3194	SR-10 Ø20 M5 x 20	Ø20	M5	20
3195	SR-10 Ø20 M5 x 30	Ø20	M6	30
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
3196	SR-10 Ø25 M5 x 20	Ø25	M5	20
3197	SR-10 Ø25 M5 x 30	Ø25	M5	30
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
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



GROUP SR11

Adjustable feet

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

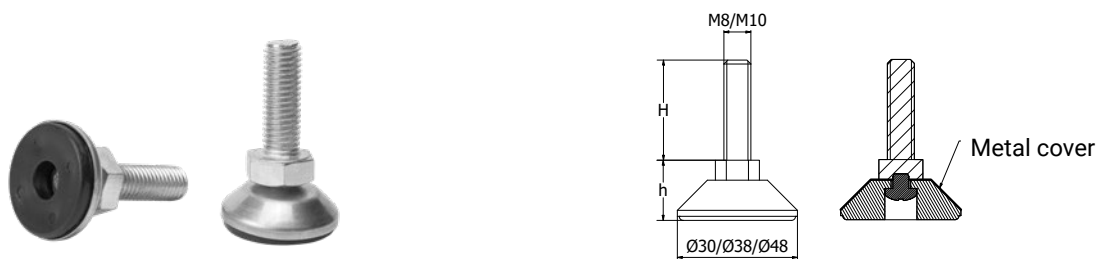


GROUP SR12

Adjustable feet

NEW

Adjustable feet with metal cover Ø30/Ø38/Ø48



ART.NO.	TYPE	FOOT	THREAD	H [mm]	h [mm]
3729	SR-12 Ø30 M8 x 16	Ø30	M8	16	16,5
3730	SR-12 Ø30 M8 x 20	Ø30	M8	20	16,5
3731	SR-12 Ø30 M8 x 30	Ø30	M8	30	16,5



ART.NO.	TYPE	FOOT	THREAD	H [mm]	h [mm]
3732	SR-12 Ø30 M8 x 40	Ø30	M8	40	16,5
3733	SR-12 Ø30 M8 x 50	Ø30	M8	50	16,5
3734	SR-12 Ø30 M8 x 60	Ø30	M8	60	16,5
3735	SR-12 Ø30 M8 x 70	Ø30	M8	70	16,5
3736	SR-12 Ø30 M10 x 16	Ø30	M10	16	17,5
3737	SR-12 Ø30 M10 x 20	Ø30	M10	20	17,5
3738	SR-12 Ø30 M10 x 30	Ø30	M10	30	17,5
3739	SR-12 Ø30 M10 x 40	Ø30	M10	40	17,5
3740	SR-12 Ø30 M10 x 50	Ø30	M10	50	17,5
3741	SR-12 Ø30 M10 x 60	Ø30	M10	60	17,5
3742	SR-12 Ø30 M10 x 70	Ø30	M10	70	17,5
3743	SR-12 Ø38 M8 x 16	Ø38	M8	16	17,0
3744	SR-12 Ø38 M8 x 20	Ø38	M8	20	17,0
3745	SR-12 Ø38 M8 x 30	Ø38	M8	30	17,0
3746	SR-12 Ø38 M8 x 40	Ø38	M8	40	17,0
3747	SR-12 Ø38 M8 x 50	Ø38	M8	50	17,0
3748	SR-12 Ø38 M8 x 60	Ø38	M8	60	17,0
3749	SR-12 Ø38 M8 x 70	Ø38	M8	70	17,0
3750	SR-12 Ø38 M10 x 16	Ø38	M10	16	18,0
3751	SR-12 Ø38 M10 x 20	Ø38	M10	20	18,0
3752	SR-12 Ø38 M10 x 30	Ø38	M10	30	18,0
3753	SR-12 Ø38 M10 x 40	Ø38	M10	40	18,0
3754	SR-12 Ø38 M10 x 50	Ø38	M10	50	18,0
3755	SR-12 Ø38 M10 x 60	Ø38	M10	60	18,0
3756	SR-12 Ø38 M10 x 70	Ø38	M10	70	18,0
3757	SR-12 Ø48 M8 x 16	Ø48	M8	16	17,0
3758	SR-12 Ø48 M8 x 20	Ø48	M8	20	17,0
3759	SR-12 Ø48 M8 x 30	Ø48	M8	30	17,0
3760	SR-12 Ø48 M8 x 40	Ø48	M8	40	17,0
3761	SR-12 Ø48 M8 x 50	Ø48	M8	50	17,0
3762	SR-12 Ø48 M8 x 60	Ø48	M8	60	17,0
3763	SR-12 Ø48 M8 x 70	Ø48	M8	70	17,0
3764	SR-12 Ø48 M10 x 16	Ø48	M10	16	19,0
3765	SR-12 Ø48 M10 x 20	Ø48	M10	20	18,0
3766	SR-12 Ø48 M10 x 30	Ø48	M10	30	18,0
3767	SR-12 Ø48 M10 x 40	Ø48	M10	40	18,0
3768	SR-12 Ø48 M10 x 50	Ø48	M10	50	18,0
3769	SR-12 Ø48 M10 x 60	Ø48	M10	60	18,0
3770	SR-12 Ø48 M10 x 60	Ø48	M10	70	18,0

Material: polypropylene, steel bolt, stainless-steel cover.

Standard Color
metallic

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



NR ART.	TYP	FOOT	THREAD	H [mm]
4208	SR-13 Ø50 M8x20	Ø50	M8	20
4212	SR-13 Ø50 M10x20	Ø50	M10	20

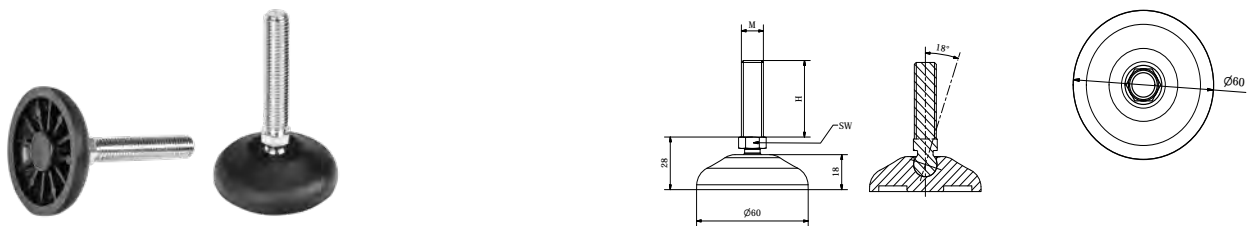
Various lengths of bolt M8, M10 and various foot diameters Ø30, Ø40, Ø50.

Material: ABS + galvanic chromium plating.

Standard Color
RAL 9005



Tilt adjustable feet reinforced Ø60



ART.NO.	TYPE	FOOT	THREAD	H [mm]
3400	SRW-60 Ø60 M12 x 40	Ø60	M12	40
3401	SRW-60 Ø60 M12 x 60	Ø60	M12	60
3402	SRW-60 Ø60 M12 x 80	Ø60	M12	80
3403	SRW-60 Ø60 M12 x 100	Ø60	M12	100

Material: polyamide. Threaded pin, adjustable, made of galvanized or stainless steel.

Note: any thread length between 40 mm and 190 mm can be ordered. Stainless thread up to 150 mm.

Standard Color
RAL 9005



Industrial Industrial joint feet Ø80/Ø105/Ø130



hexagon

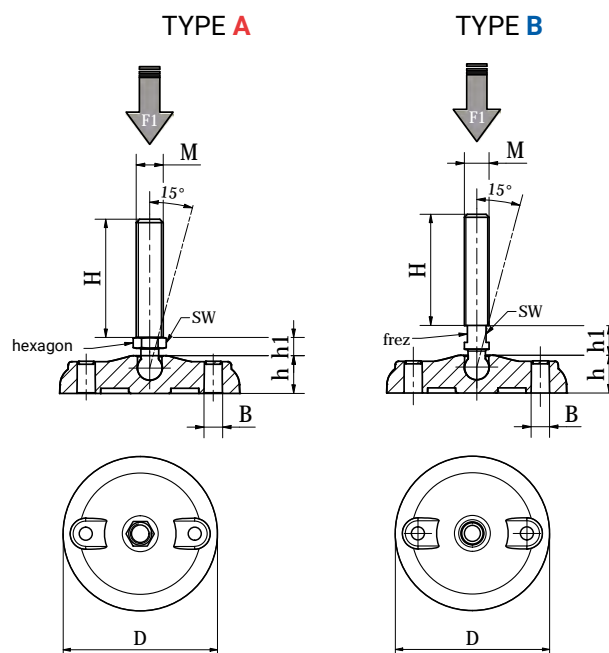
Properties:

- ▶ reinforced construction.
- ▶ resistance to oils, lubricants, etc.,
- ▶ rubber pad can be installed.

Available foot diameters Ø80, Ø105, Ø130.

Foot metal part:

- ▶ moveable threaded pin made of galvanized or stainless steel (stainless up to 150 mm in length).
- ▶ pin diameters M12, M16, M20,
- ▶ pin can be adjusted using wrench: TYPE A and TYPE B.
- ▶ various pin lengths can be ordered.



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

	TYPE	D [mm]	M	SW	H [mm]	h [mm]	h1 [mm]	PIN	F (N)
GROUP SM01 Ø80	SM-01A80M12 x (50 do190)*	80	12	13	50-190	19	9	TYPE A	10.000 N
	SM-01B80M12 x (50 do190)*	80	12	9	50-190	19	-	TYPE B	10.000 N
	SM-01A80M16 x (50 do190)*	80	16	17	50-190	19	13,5	TYPE A	13.000 N
	SM-01B80M16 x (50 do190)*	80	16	13	50-190	19	20	TYPE B	13.000 N
	SM-01A80M20 x (50 do190)*	80	20	22	50-190	19	15	TYPE A	17.000 N
	SM-01B80M20 x (50 do190)*	80	20	16	50-190	19	20	TYPE B	17.000 N
GROUP SM02 Ø105	SM-02A105M12 x (50 do190)*	105	12	13	50-190	22	9	TYPE A	10.000 N
	SM-02B105M12 x (50 do190)*	105	12	9	50-190	22	-	TYPE B	10.000 N
	SM-02A105M16 x (50 do190)*	105	16	17	50-190	22	13,5	TYPE A	15.000 N
	SM-02B105M16 x (50 do190)*	105	16	13	50-190	22	20	TYPE B	15.000 N
	SM-02A105M20 x (50 do190)*	105	20	22	50-190	22	15	TYPE A	17.000 N
	SM-02B105M20 x (50 do190)*	105	20	16	50-190	22	20	TYPE B	17.000 N
GROUP SM03 Ø130	SM-03A130M12 x (50 do190)*	130	12	13	50-190	24	9	TYPE A	10.000 N
	SM-03B130M12 x (50 do190)*	130	12	9	50-190	24	-	TYPE B	10.000 N
	SM-03A130M16 x (50 do190)*	130	16	17	50-190	24	13,5	TYPE A	17.000 N
	SM-03B130M16 x (50 do190)*	130	16	13	50-190	24	20	TYPE B	17.000 N
	SM-03A130M20 x (50 do190)*	130	20	22	50-190	24	15	TYPE A	17.000 N
	SM-03B130M20 x (50 do190)*	130	20	16	50-190	24	20	TYPE B	17.000 N

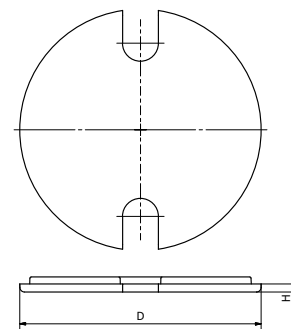
* any thread length in 20 mm increments between 50 mm and 190 mm.

Material: polyamide.

Standard Color
RAL 9005



Rubber pad for industrial feet



ART.NO.	TYPE	D [mm]	H [mm]
3462	PG-SM/80	80	3,4
3463	PG-SM/80 ESD *	80	3,4
3464	PG-SM/105	105	3,4
3465	PG-SM/105 ESD *	105	3,4
3466	PG-SM/130	130	3,4
3467	PG-SM/130 ESD *	130	3,4

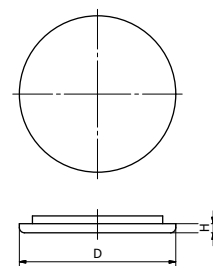
Note: designed for installation in machine feet GROUP SM: Ø 80, Ø 105, Ø 130. p. 89.

Material: elastomer TPE or * elastomer TPE ESD (antistatic material).

Standard Color
RAL 9005



Rubber pad for adjustable feet



ART.NO.	TYPE	D [mm]	H [mm]
3460	PG-SRW/60	60	3,4
3461	PG-SRW/60 ESD *	60	3,4

Note: designed for mounting in tilt adjustable foot SRW-60.

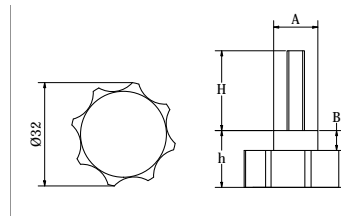
Material: elastomer TPE or * elastomer TPE ESD (antistatic material).

Standard Color
RAL 9005





Star knobs with threaded bolt Ø32



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

Material: polypropylene.

Various lengths of bolts M6 and M8.

Standard Color
RAL 9005

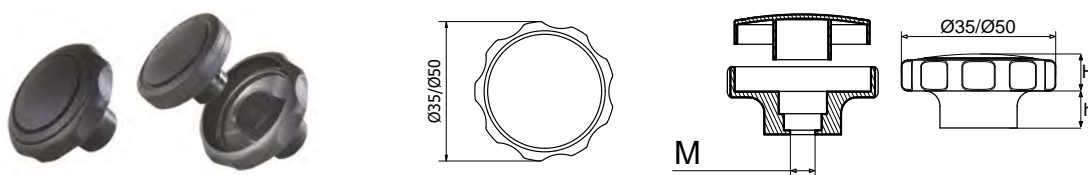




GROUP POK-02

Hand knobs

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

Material: polyamide.

Note: **Product does not include bolts and nuts.**

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

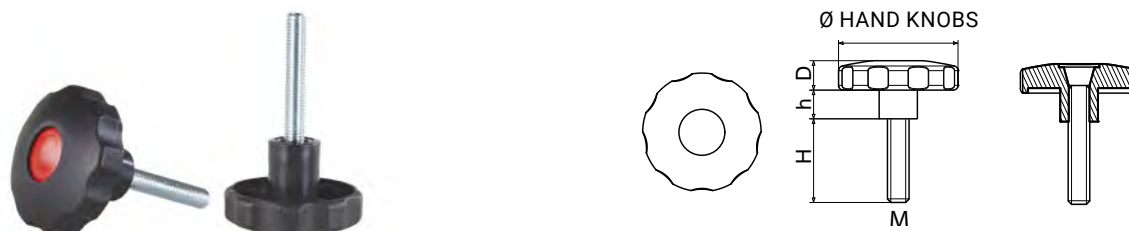
RAL 9005



GROUP POK-03

Hand knobs

Star knobs Ø30/Ø50/Ø64 Reinforced construction



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



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

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.

Standard Color
RAL 9005



Masking caps:
Standard Color
RAL 9005

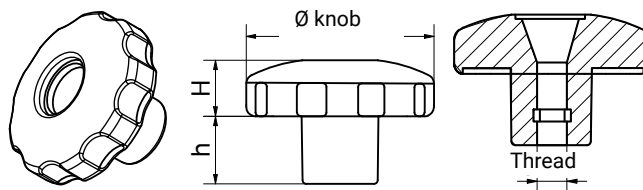


Various colors
RAL 7040 6018 3020 5005





Star knobs Ø30/Ø50/Ø64 Reinforced construction



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

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.

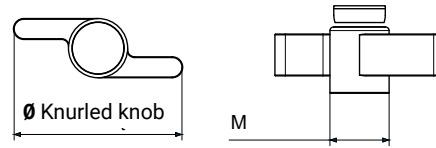
Standard Color
RAL 9005



Masking caps:
Standard Color
RAL 9005

Various colors
RAL 7040 6018 3020 5005



Butterfly knobs (for self-assembly)


ART.NO.	TYPE	HAND KNOB	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
4059	POK-07 Ø68 M6	Ø68	M6
992	POK-07 Ø68 M8	Ø68	M8

Properties:

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

Material: polyamide.

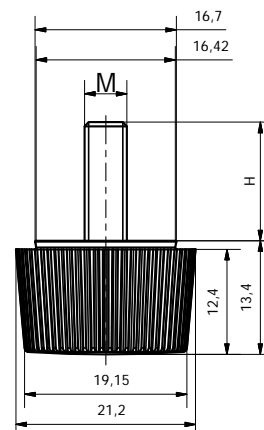
Note: Product is delivered without nuts and bolts).

 Standard Color
RAL 9005

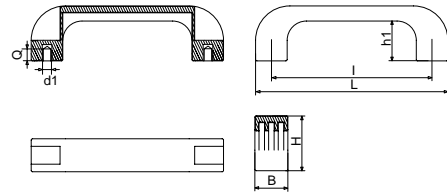
Knurled knob Ø21


NR ART.	TYP	HAND KNOB	THREAD	H [mm]
3330	POK-08 Ø21 M5x14	Ø21	M5	14
3331	POK-08 Ø21 M5x26	Ø21	M5	26
3340	POK-08 Ø21 M6x14	Ø21	M6	14
3629	POK-08 Ø21 M6x20	Ø21	M6	20
3341	POK-08 Ø21 M6x26	Ø21	M6	26

Material: polyamide.

 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	20	39	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
3219	UCH01 180M10	200	180	28	51	39	14	M10
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:

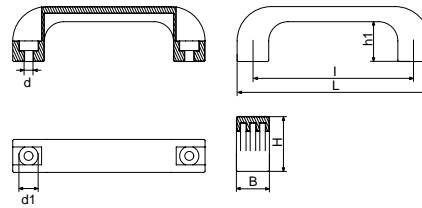
- ▶ threaded bushings made of brass,
- ▶ un blind.

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]
3218	UCH02 94d5,5	110	94	21	37	29	5,5	11
2025	UCH02 94d6,5	110	94	21	37	29	6,5	17
2026	UCH02 117d6,5	140	117	24	40	29	6,5	14
2027	UCH02 117d8,5	140	117	24	40	29	8,5	11
2028	UCH02 120d6,5	140	120	24	40	29	6,5	14
2029	UCH02 120d8,5	140	120	24	40	29	8,5	14
3211	UCH02 132d6,5	151	132	26	43	31	6,5	11
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
3220	UCH02 180d10,5	200	180	28	51	39	10,5	17
2032	UCH02 235d10,5	262	235	32	53	40	10,5	17

Material: polyamide.

Properties:

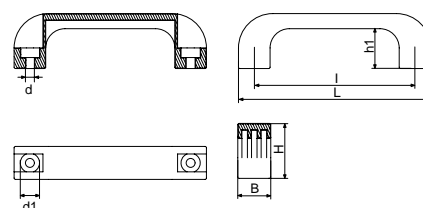
- reach-through hole, drilled for hex socket bolts.

Standard Color

RAL 9005

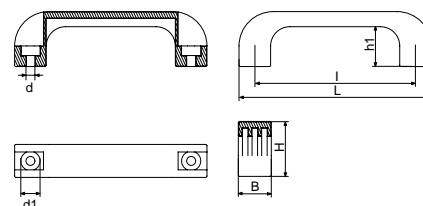


Plastic handle with through holes and caps



ART.NO.	TYPE	L [mm]	I [mm]	B [mm]	H [mm]	h1 [mm]	d [mm]	d1 [mm]
2028	UCH02 120d6,5	140	120	24	40	29	6,5	14
2029	UCH02 120d8,5	140	120	24	40	29	8,5	14
3636	UCH02/ZAS/COLOR*	Cap sold separately. When ordering please specify colour.						

Note: Cap sold separately. Cap flush with handle.



ART.NO.	TYPE	L [mm]	I [mm]	B [mm]	H [mm]	h1 [mm]	d [mm]	d1 [mm]
3211	UCH02 132d6,5	151	132	26	43	31	6,5	14
2030	UCH02 132d8,5	151	132	26	43	31	8,5	14
3636	UCH02/ZAS/COLOR*	Cap sold separately. When ordering please specify colour.						

Note: Cap sold separately. Cap not flush with handle.

Material: polyamide.

Properties:

- ▶ Attractive handle appearance
- ▶ Reach-through hole, drilled for hex socket bolts
- ▶ Caps in other available RAL colours can be ordered.

Standard Color
RAL 9005



Masking caps:

Standard Color
RAL *9005



Opcja:
RAL

*7040



*6018



*3020



*5005



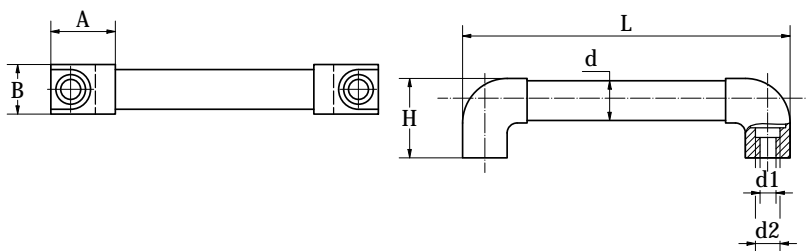


GROUP UCH04/A

Universal pipe clamps

NEW

Universal pipe handle



ART.NO.	TYPE	L [mm]	A [mm]	B [mm]	H [mm]	d [mm]	d1 [mm]	d2 [mm]
3848	UCH04/A 20 x (200 do 700)*	200 do 700	50	30	57	20	8,5	14,5
3849	UCH04/A 30 x (150 do 700)*	150 do 700	60	40	77	30	10,5	16

Material: handrail - aluminium tube, ground, anodized. Ends - glass-fibre-reinforced polyamide.

Properties:

► reach-through holes: suitable for installation using hex socket head bolts.

Note:

► *given length of immovable handle within a range defined in table L. Immovable handle made of other material can be ordered: ground stainless steel or powder-coated aluminium, ends available also without immovable handle.

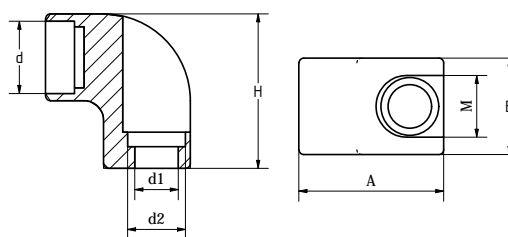
Standard Color:
RAL 9005



GROUP UCH04/B

Ends for tubular handles

End for tubular handle TYPE 1



ART.NO.	TYPE	d [mm]	d1 [mm]	d2[mm]	A [mm]	B [mm]	H [mm]	M [mm]
3850	UCH04/B 20	20	8,5	14,5	50	30	57	18,5
3851	UCH04/B 30	30	10,5	16	60	40	77	23

Material: polyamide.

Properties:

► reach-through holes: suitable for installation using hex socket head bolts.

Standard Color:
RAL 9005

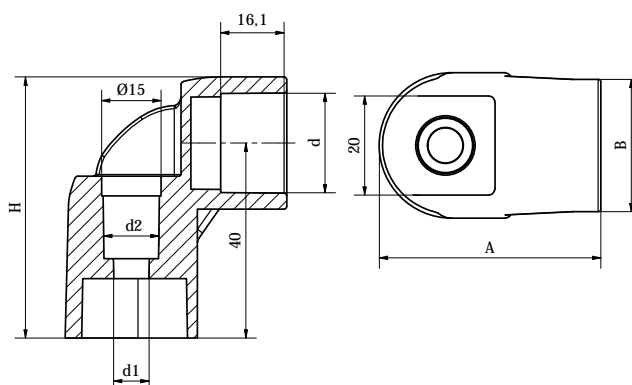




GROUP UCH04/C

End for tubular handles

End for tubular handles TYPE 2



ART.NO.	TYPE	d [mm]	d1 [mm]	d2 [mm]	A [mm]	B [mm]	H [mm]
4057	UCH04/C	20	8,5	14,3	48	30	54

Material: polyamide.

Properties:

► reach-through holes: suitable for installation using hex socket head bolts.

Standard Color
RAL 9005

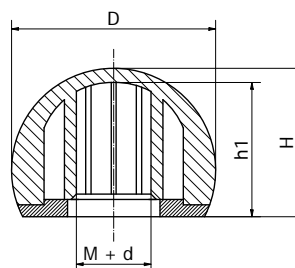


GROUP UCH05/A

Round handles

NEW

Round handle



ART.NO.	TYPE	D [mm]	M THREAD	d FOR HOLES	h1 [mm]	H [mm]
3852	UCH05/A 20M5	20	M5		15,5	18,0
3553	UCH05/A 20M6	20	M6		15,5	18,0
3854	UCH05/A 20M8	20	M8		15,5	18,0
3855	UCH05/A 20M10	20	M10		15,5	18,0
3856	UCH05/A 20 d3,5	20		3,5	15,5	18,0



ART.NO.	TYPE	D [mm]	M THREAD	d FOR HOLES	h1 [mm]	H [mm]
3857	UCH05/A 20 d5,0	20		5,0	15,5	18,0
3858	UCH05/A 20 d6,0	20		6,0	15,5	18,0
3859	UCH05/A 20 d8,0	20		8,0	15,5	18,0
3860	UCH05/A 20 d10,0	20		10,0	15,5	18,0
3861	UCH05/A 25M6	25	M6		20,0	22,5
3862	UCH05/A 25M8	25	M8		20,0	22,5
3863	UCH05/A 25M10	25	M10		20,0	22,5
3864	UCH05/A 25 d3,5	25		3,5	20,0	22,5
3865	UCH05/A 25 d6,0	25		6,0	20,0	22,5
3866	UCH05/A 25 d8,0	25		8,0	20,0	22,5
3867	UCH05/A 25 d10,0	25		10,0	20,0	22,5
3868	UCH05/A 32M5	32	M5		26,5	29,0
3869	UCH05/A 32M6	32	M6		26,5	29,0
3870	UCH05/A 32M8	32	M8		26,5	29,0
3871	UCH05/A 32M10	32	M10		26,5	29,0
3872	UCH05/A 32M12	32	M12		26,5	29,0
3873	UCH05/A 32 d3,5	32		3,5	26,5	29,0
3874	UCH05/A 32 d5,0	32		5,0	26,5	29,0
3875	UCH05/A 32 d6,0	32		6,0	26,5	29,0
3876	UCH05/A 32 d8,0	32		8,0	26,5	29,0
3877	UCH05/A 32 d10,0	32		10,0	26,5	29,0
3878	UCH05/A 32 d12,0	32		12,0	26,5	29,0
3879	UCH05/A 40M6	40	M6		34,5	37,0
3880	UCH05/A 40M8	40	M8		34,5	37,0
3881	UCH05/A 40M10	40	M10		34,5	37,0
3882	UCH05/A 40M12	40	M12		34,5	37,0
3883	UCH05/A 40 d5,0	40		5,0	34,5	37,0
3884	UCH05/A 40 d6,0	40		6,0	34,5	37,0
3885	UCH05/A 40 d8,0	40		8,0	34,5	37,0
3886	UCH05/A 40 d10,0	40		10,0	34,5	37,0
3887	UCH05/A 40 d12,0	40		12,0	34,5	37,0

Material: ABS.

Properties:

- ▶ ball handle comes with internal thread or hole for hammering.

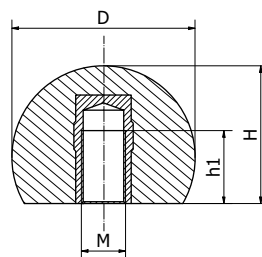
Standard Color

RAL 9005





Ball knob with brass thread



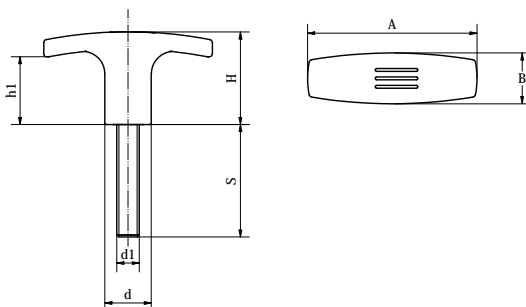
ART.NO.	TYPE	D [mm]	M THREAD	h1[mm]	H [mm]
3888	UCH05/B 16M4	16	M4	6	15
3889	UCH05/B 20M5	20	M5	8	18
3890	UCH05/B 25M6	25	M6	10	23
3891	UCH05/B 30M8	30	M8	14	27
3892	UCH05/B 35M10	35	M10	16	32
3893	UCH05/B 40M10	40	M10	16	37
3894	UCH05/B 45M12	45	M12	18	43
3895	UCH05/B 50M12	50	M12	18	47

Material: ABS.

Standard Color
RAL 9005



T-handle with threaded bolt



ART.NO.	TYPE	A [mm]	B [mm]	H [mm]	h1 [mm]	d [mm]	d1 [mm]	S [mm]
3896	UCH06 A50 M5x (20-40)*	50	15	24	17	14	M5	20-30-40
3897	UCH06 A50 M6x (20-40)*	50	15	24	17	14	M6	20-30-40
3898	UCH06 A60 M5x (20-40)*	60	18	33	24	16,5	M5	20-30-40
3899	UCH06 A60 M6x (20-40)*	60	18	33	24	16,5	M6	20-30-40
3900	UCH06 A60 M8x (20-40)*	60	18	33	24	16,5	M8	20-30-40
3901	UCH06 A60 M10x (20-40)*	60	18	33	24	16,5	M10	20-30-40
3902	UCH06 A72 M6x (20-40)*	72	19	34	20	18	M6	20-30-40
3903	UCH06 A72 M8x (20-50)*	72	19	34	20	18	M8	20-30-40-50
3904	UCH06 A72 M10x (20-50)*	72	19	34	20	18	M10	20-30-50
3905	UCH06 A72 M12x (20-50)*	72	19	34	20	18	M12	20-30-50

Material: polyamide. Pin: galvanized steel.

Note:

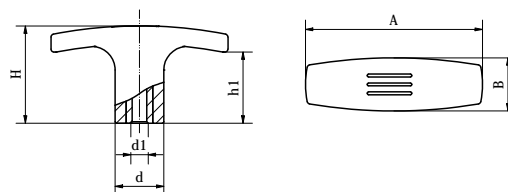
* any thread length in 10mm steps within range from table S.

Standard Color
RAL 9005





T-handle with threaded bushing



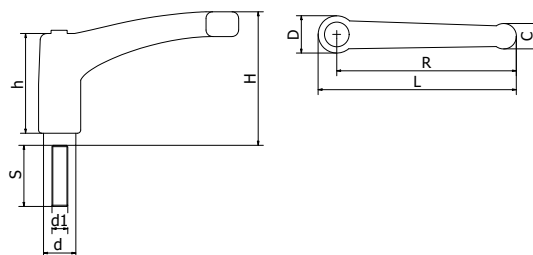
ART.NO.	TYPE	A [mm]	B [mm]	H [mm]	h1 [mm]	d [mm]	d1 [mm]
3906	UCH07 A50 M5	50	15	24	17	14	M5
3907	UCH07 A50 M6	50	15	24	17	14	M6
3908	UCH07 A50 M8	50	15	24	17	14	M8
3909	UCH07 A60 M5	60	18	33	24	16,5	M5
3910	UCH07 A60 M6	60	18	33	24	16,5	M6
3911	UCH07 A60 M8	60	18	33	24	16,5	M8
3912	UCH07 A60 M10	60	18	33	24	16,5	M10
3913	UCH07 A72 M6	72	19	34	20	18	M6
3914	UCH07 A72 M8	72	19	34	20	18	M8
3915	UCH07 A72 M10	72	19	34	20	18	M10
3916	UCH07 A72 M12	72	19	34	20	18	M12

Material: polyamide. Bushing: brass or galvanized steel.

Standard Color
RAL 9005



Adjustable lever with threaded bolt, plastic button



ART.NO.	TYPE	L [mm]	R [mm]	H [mm]	D [mm]	d [mm]	C [mm]	h [mm]	d1 [mm]	MD	S
3917	UCH08 L51 M4x (10 do 40)**	51	43	33	17	11,5	9	29	M4	70	10*-15-20-25*-30-40*
3918	UCH08 L51 M5x (10 do 40)**	51	43	33	17	11,5	9	29	M5	70	10*-16-20-25*-30-40*
3919	UCH08 L51 M6x (10 do 50)**	51	43	33	17	11,5	9	29	M6	70	10*-16-20-25*-30-35*-40-50*
3920	UCH08 L63 M6x (15 do 50)**	63	52	41	22	15	12	36	M6	80	16-20-25*-30-35*-40-50*
3921	UCH08 L63 M8x (15 do 50)**	63	52	41	22	15	12	36	M8	80	16-20-25*-30-35*-40-45*-50*
3922	UCH08 L63 M10x (20 do 50)**	63	52	41	22	15	12	36	M10	80	20-25*-30-35*-40-50*
3923	UCH08 L76 M6x (15 do 50)**	76	65	43	23	15	13	36	M6	80	16-20-25*-30-35*-40-45*-50
3924	UCH08 L76 M8x (15 do 60)**	76	65	43	23	15	13	36	M8	80	16-20-25*-30-35*-40-45*-50*-60
3925	UCH08 L76 M10x (20 do 50)**	76	65	43	23	15	13	36	M10	80	20-25*-30-35*-40-45*-50*
3926	UCH08 L93 M8x (20 do 50)**	93	80	54	27	19	15,5	44	M8	80	20-25*-30-35*-40-50
3927	UCH08 L93 M10x (20 do 70)**	93	80	54	27	19	15,5	44	M10	80	20-25*-30-35*-40-45*-50-60*-70*
3928	UCH08 L93 M12x (20 do 80)**	93	80	54	27	19	15,5	44	M12	80	20-25*-30-35*-40-45*-50-60*-70*-80*
3929	UCH08 L109 M8x (20 do 50)**	109	94	56	30	19	18	45	M8	80	20-25*-30-35*-40-50
3930	UCH08 L109 M10x (20 do 80)**	109	94	56	30	19	18	45	M10	80	20-30-35*-40-45*-50-60*-70*-80*
3931	UCH08 L109 M12x (20 do 80)**	109	94	56	30	19	18	45	M12	80	20-30-35-40-45-50-60-70-80
3932	UCH08 L125 M12x (20 do 70)**	125	108	64	34	24	21	51	M12	80	20-30-40-50-60*-70*
3933	UCH08 L125 M14x (30 do 60)**	125	108	64	34	24	21	51	M14	80	30-40-50-60*
3934	UCH08 L125 M16x (40 do 60)**	125	108	64	34	24	21	51	M16	80	40-50-60*

Material: polyamide. Pin: galvanized steel.

Note:

** any thread length from table S.

* not available in INOX as defined in table S.

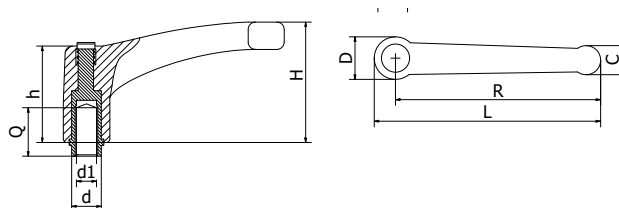
MD - maximum shank length, above this length bonded shank.

Standard Color

RAL 9005



Adjustzble lever with threaded bushing, plastic button



ART.NO.	TYPE	L [mm]	R [mm]	H [mm]	D [mm]	d [mm]	C [mm]	h [mm]	d1 [mm]	Q [mm]	Q (INOX)
3935	UCH09 L51 M4	51	43	33	17	11,5	9	29	M4	8	8
3936	UCH09 L51 M5	51	43	33	17	11,5	9	29	M5	10	10
3937	UCH09 L51 M6	51	43	33	17	11,5	9	29	M6	10	10
3938	UCH09 L63 M6	63	52	41	22	15	12	36	M6	15	14
3939	UCH09 L63 M8	63	52	41	22	15	12	36	M8	15	14
3940	UCH09 L63 M10	63	52	41	22	15	12	36	M10	15	14
3941	UCH09 L76 M6	76	65	43	23	15	13	36	M6	15	14
3942	UCH09 L76 M8	76	65	43	23	15	13	36	M8	15	14
3943	UCH09 L76 M10	76	65	43	23	15	13	36	M10	12	14
3944	UCH09 L93 M8	93	80	54	27	19	15,5	44	M8	15	15
3945	UCH09 L93 M10	93	80	54	27	19	15,5	44	M10	14	15
3946	UCH09 L93 M12	93	80	54	27	19	15,5	44	M12	19	15
3947	UCH09 L109 M8	109	94	56	30	19	18	45	M8	21	15
3948	UCH09 L109 M10	109	94	56	30	19	18	45	M10	19	15
3949	UCH09 L109 M12	109	94	56	30	19	18	45	M12	21	15
3950	UCH09 L125 M12	125	108	64	34	24	21	51	M12	19	19
3951	UCH09 L125 M14	125	108	64	34	24	21	51	M14	21	19
3952	UCH09 L125 M16	125	108	64	34	24	21	51	M16	21	19

Material: polyamide. Bushing: galvanized steel.

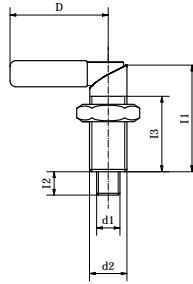
Option: bushing - stainless steel.

Standard Color
RAL 9005





Locking pin with lever



ART.NO.	TYPE	D [mm]	l1 [mm]	l2 [mm]	l3 [mm]	d1 [mm]	d2 [mm]
3953	UCH10 D42 Ø6 M16 x 1,5	42	46	10	30	6	M16 x 1,5
3954	UCH10 D42 Ø8 M16 x 1,5	42	46	10	30	8	M16 x 1,5
3955	UCH10 D42 Ø10 M16 x 1,5	42	46	10	30	10	M16 x 1,5
3956	UCH10 D52 Ø8 M20 x 1,5	52	57	12	36	8	M20 x 1,5
3957	UCH10 D52 Ø10 M20 x 1,5	52	57	12	36	10	M20 x 1,5
3958	UCH10 D52 Ø12 M20 x 1,5	52	57	12	36	12	M20 x 1,5

Material: black oxidized steel.

Note:

- ▶ lock nut can be ordered.
- ▶ shank in stainless steel can be ordered.

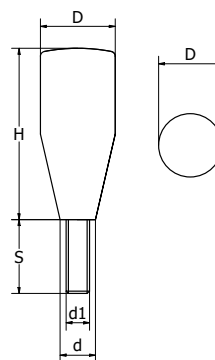
Properties:

- ▶ shank available with installed plastic cap
- ▶ to position the shank rotate bolt by 180°.

Standard Color
RAL 9005



Cylindrical handle with threaded bolt



ART.NO.	TYPE	H [mm]	D [mm]	d [mm]	d1 [mm]	S [mm]
3959	UCH11 D14 M4 x (20-30)*	27	14	10	M4	20-30
3960	UCH11 D14 M5 x (20-30)*	27	14	10	M5	20-30
3961	UCH11 D14 M6 x (20-30)*	27	14	10	M6	20-30
3962	UCH11 D18 M5 x (20-30)*	40	18	15,5	M5	20-30
3963	UCH11 D18 M6 x (10-20-25)*	40	18	15	M6	10-20-25
3964	UCH11 D20 M6 x (10-20-30)*	50	20	15	M6	10-20-30
3965	UCH11 D20 M8 x (10-15-20)*	50	20	15	M8	10-15-20
3966	UCH11 D23 M6 x (10-20-30)*	60	23	17,5	M6	10-20-30
3967	UCH11 D23 M8 x (10-20-30)*	60	23	17,5	M8	10-20-30
3968	UCH11 D23 M10 x (15-20-30)*	60	23	17,5	M10	15-20-30
3969	UCH11 D25 M8 x (10-20-30)*	70	25	18	M8	10-20-30
3970	UCH11 D26 M6 x (10-20-30)*	81	26	20	M6	10-20-30
3971	UCH11 D26 M8 x (10-20-30)*	81	26	20	M8	10-20-30
3972	UCH11 D26 M10 x (10-20-30)*	81	26	20	M10	10-20-30
3973	UCH11 D27 M8 x (10-20-30)*	90	27	22	M8	10-20-30
3974	UCH11 D27 M10 x (10-20-30)*	90	27	22	M10	10-20-30
3975	UCH11 D27 M12 x (20-30-40)*	90	27	22	M12	20-30-40
3976	UCH11 D32 M12 x (20-40)*	111	32	27	M12	20-40
3977	UCH11 D32 M14 x (20-40)*	111	32	27	M14	20-40

Material: polyamide. Pin: galvanized steel.

Note:

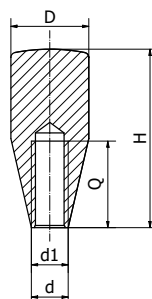
** any thread length within range defined in table S.

Standard Color
RAL 9005





Cylindrical handle with mounting or threaded hole



ART.NO.	TYPE	H [mm]	D [mm]	d [mm]	d1 [mm]	Q [mm]
3978	UCH12 D14 H27 M4	27	14	10	M4	20
3979	UCH12 D14 H27 M5	27	14	10	M5	20
3980	UCH12 D14 H27 M6	27	14	10	M6	20
3981	UCH12 D18 H40 M5	40	18	16	M5	20
3982	UCH12 D18 H40 M6	40	18	16	M6	27
3983	UCH12 D18 H40 M8	40	18	16	M8	27
3984	UCH12 D20 H50 M6	50	20	15	M6	24
3985	UCH12 D20 H50 M8	50	20	15	M8	23
3986	UCH12 D20 H50 M10	50	20	15	M10	25
3987	UCH12 D23 H60 M8	60	23	18	M8	30
3988	UCH12 D23 H60 M10	60	23	18	M10	30
3989	UCH12 D23 H60 M12	60	23	18	M12	29
3990	UCH12 D25 H69 M8	69	25	19	M8	30
3991	UCH12 D25 H69 M10	69	25	19	M10	30
3992	UCH12 D25 H69 M12	69	25	19	M12	31
3993	UCH12 D26 H80 M8	80	26	20	M8	31
3994	UCH12 D26 H80 M10	80	26	20	M10	31
3995	UCH12 D26 H80 M12	80	26	20	M12	37

Material: polyamide. Pin: galvanized steel.

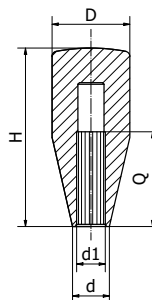
Properties:

- ▶ threaded, blind hole in plastic.

Standard Color
RAL 9005



Cylindrical handle with mounting hole



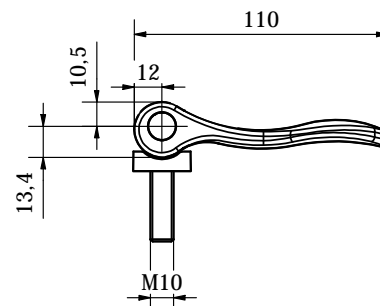
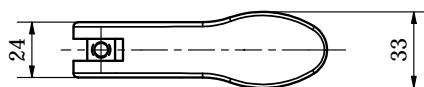
ART.NO.	TYPE	H [mm]	D [mm]	d [mm]	d1 [mm]	Q [mm]
3996	UCH13 D20 H50 D8	50	20	15	D8	38
3997	UCH13 D20 H50 D10	50	20	15	D10	38
3998	UCH13 D23 H60 D8	60	23	18	D8	50
3999	UCH13 D23 H60 D10	60	23	18	D10	50
4000	UCH13 D23 H60 D12	60	23	18	D12	50
4001	UCH13 D25 H69 D8	69	25	19	D8	54
4002	UCH13 D25 H69 D10	69	25	19	D10	54
4003	UCH13 D25 H69 D12	69	25	19	D12	54
4004	UCH13 D26 H80 D10	80	26	20	D10	54
4005	UCH13 D26 H80 D12	80	26	20	D12	54

Material: polyamide.

Standard Color
RAL 9005



Clamping lever



ART.NO.	TYPE
4079	UCH14 L97 M10x35*

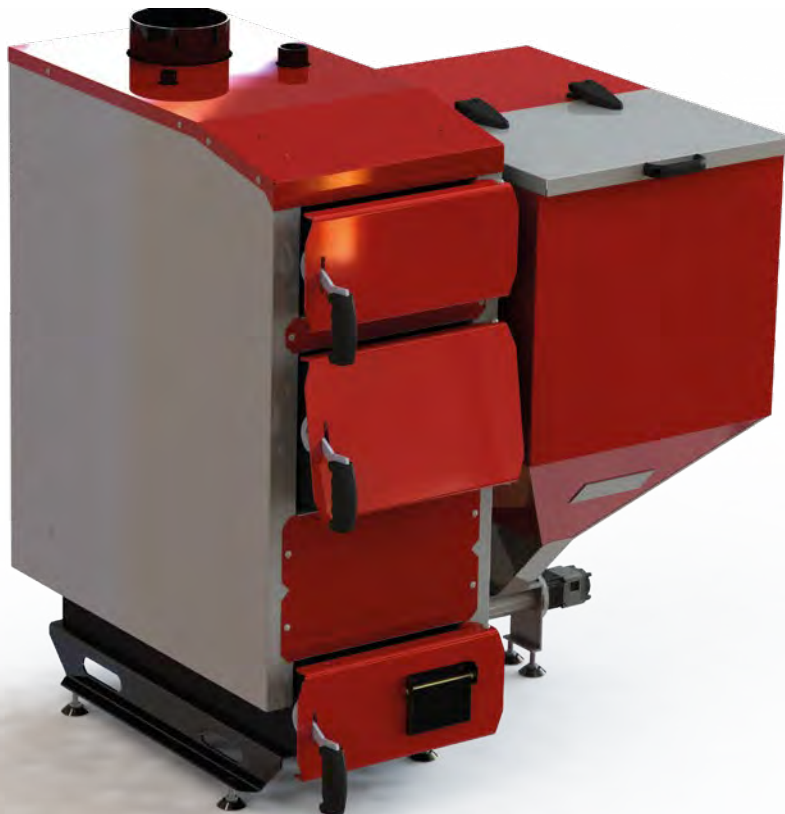
Material: polyamide.

Note: * Any thread length within 20 and 60.

Standard Color
RAL 9005



Accessories for
boilers and stoves.
Plastic hinges.

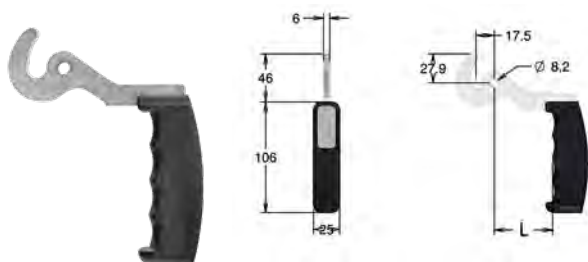




GROUP UCH03

Accessories for boiler door

Handle for boiler door closing (straight)



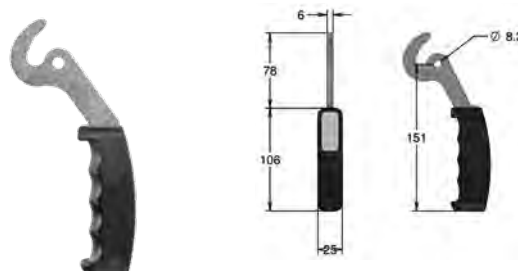
ART.NO.	TYPE	L [mm]
1156	UCH03/A	56
1157	UCH03/B	66

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.



GROUP UCH/ZK

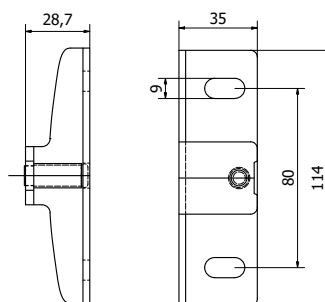
Accessories for boiler door

Boiler door catch



ART.NO.	TYPE
1159	UCH/ZK

Material: galvanized steel.

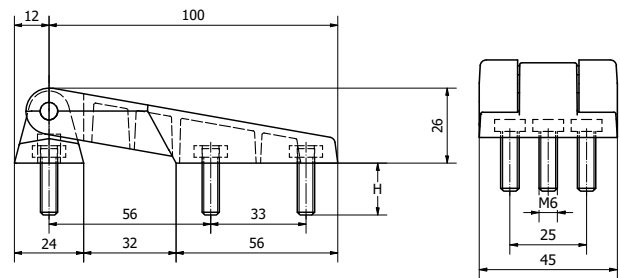




ZASTOSOWANIE



External hinge with a threaded pin



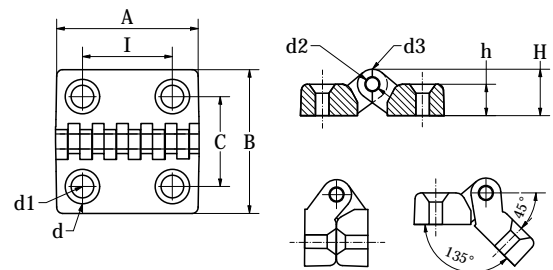
ART.NO.	TYPE	H [mm]
3351	ZAW-01/M6x16	16

Material: polyamide.

Standard Color
RAL 9005



Through-hole hinge



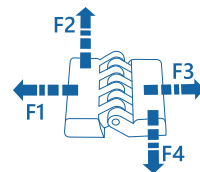
ART.NO.	TYPE	I [mm]	C [mm]	A [mm]	B [mm]	h [mm]	H [mm]	d1 [mm]	d [mm]	d2 [mm]	d3 [mm]	F1 (N)	F2 (N)
4012	ZAW-02 32x32 fi4,5	20	20	32	32	7	10,5	4,5	8	3	7	1440	490
4013	ZAW-02 48x48 fi6,5	30	30	48	48	10,5	10,5	6,5	13	5	10	1960	1470
4014	ZAW-02 64x64 fi6,5	40	40	64	64	13	19	6,5	13	5	12	2850	1520
4015	ZAW-02 96x96 fi8,5	60	63	96	96	16	24	8,5	16	8	16	4300	1810
4016	ZAW-02 96x96 fi10,5	60	63	96	96	16	24	10,5	20	8	16	4300	1810

Material: polyamide. Pin: galvanized or stainless steel.

Properties:

► reach-through holes adapted to hexagon countersunk bolts DIN 7991.

Standard Color
RAL 9005



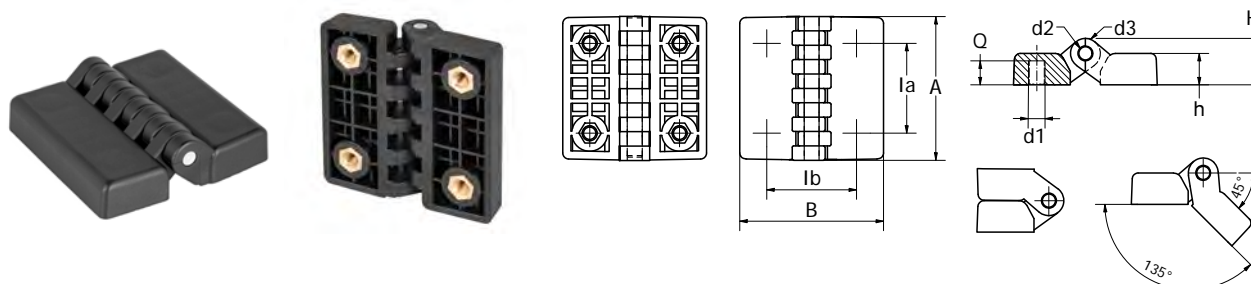


GROUP ZAW03

External hinges

NEW

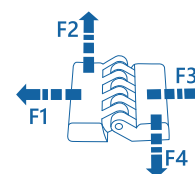
Hinge with threaded bushings



ART.NO.	TYPE	la [mm]	lb [mm]	A [mm]	B [mm]	h [mm]	H [mm]	d1 [mm]	Q [mm]	d2 [mm]	d3 [mm]	F1 (N)	F2 (N)
4017	ZAW-03 48x48 M5	30	30	48	48	10,5	15,5	M5	7	5	10	2000	1370
4018	ZAW-03 48x48 M6	30	30	48	48	10,5	15,5	M6	7	5	10	2000	1370
4019	ZAW-03 64x64 M6	40	40	64	64	13	19	M6	9	5	12	4100	1800
4020	ZAW-03 64x64 M8	40	40	64	64	13	19	M8	9	5	12	4100	1800
4021	ZAW-03 95x95 M8	60	63	95	95	19	28,5	M8	13	8	18	2450	2650
4022	ZAW-0395x95 M10	60	63	95	95	19	28,5	M10	13	8	18	2450	2650

Material: polyamide. Pin: galvanized steel. Bushing: brass, threaded, blind.

Standard Color
RAL 9005

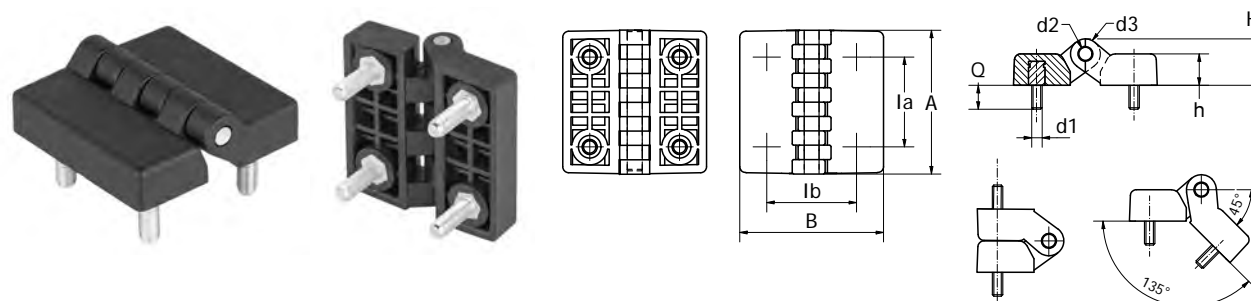


GROUP ZAW04

External hinges

NEW

Hinge with threaded bolts



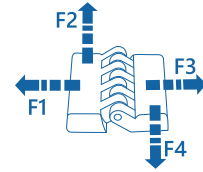
ART.NO.	TYPE	la [mm]	lb [mm]	A [mm]	B [mm]	h [mm]	H [mm]	d1 [mm]	Q [mm]	d2 [mm]	d3 [mm]	F1 (N)	F2 (N)
4023	ZAW-04 48x48 M5x15	30	30	48	48	10,5	15,5	M5	15	5	10	1780	1370
4024	ZAW-04 48x48 M6x15	30	30	48	48	10,5	15,5	M6	15	5	10	1780	1370
4025	ZAW-04 64x64 M6x20	40	40	64	64	13	19	M6	20	5	12	4120	1760



ART.NO.	TYPE	la [mm]	lb [mm]	A [mm]	B [mm]	h [mm]	H [mm]	d1 [mm]	Q [mm]	d2 [mm]	d3 [mm]	F1 (N)	F2 (N)
4026	ZAW-04 64x64 M8x20	40	40	64	64	13	19	M8	20	5	12	4120	1760
4027	ZAW-04 95x95 M8x20	60	63	95	95	19	28,5	M8	20	8	18	4900	1275
4028	ZAW-04 95x95 M10x20	60	63	95	95	19	28,5	M10	20	8	18	4900	1275

Material: polyamide. Pin: galvanized steel. Shank: galvanized steel, threaded.

Standard Color
RAL 9005

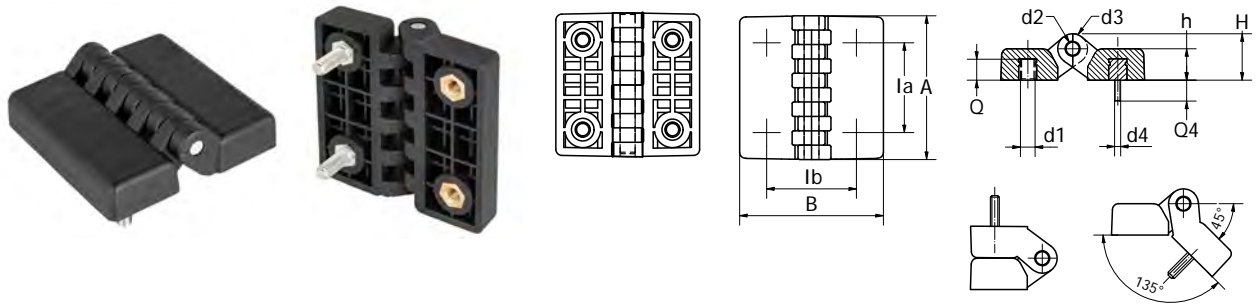


GROUP ZAW05

External hinges

NEW

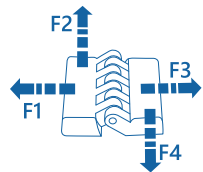
Hinge with threaded bushings and bolts



ART.NO.	TYPE	la [mm]	lb [mm]	A [mm]	B [mm]	h [mm]	H [mm]	d1 [mm]	Q [mm]	d4 [mm]	Q4 [mm]	d2 [mm]	d3 [mm]	F1 (N)	F2 (N)
4029	ZAW-05 48x48 M5x15/M5	30	30	48	48	10,5	15,5	M5	7	M5	15	5	10	1850	1350
4030	ZAW-05 48x48 M6x25/M6	30	30	48	48	10,5	15,5	M6	7	M6	15	5	10	1850	1350
4031	ZAW-05 64x64 M6x20/M6	40	40	64	64	13	19	M6	9	M6	20	5	12	4000	1600
4032	ZAW-05 64x64 M8x20/M8	40	40	64	64	13	19	M8	9	M8	20	5	12	4000	1600
4033	ZAW-05 95x95 M8x20/M8	60	63	95	95	19	28,5	M8	13	M8	20	8	18	3100	1400
4034	ZAW-05 95x95 M10x20/M10	60	63	95	95	19	28,5	M10	13	M10	20	8	18	3100	1400

Material: polyamide. Pin: galvanized steel. Pin: galvanized steel. Bushing: brass, threaded, blind.

Standard Color
RAL 9005



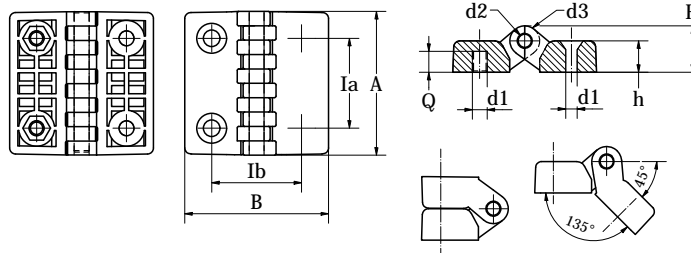


GROUP ZAW06

External hinges

NEW

Hinge with threaded bushings and through-holes



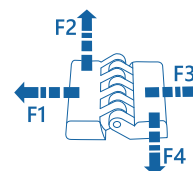
ART.NO.	TYPE	la [mm]	lb [mm]	A [mm]	B [mm]	h [mm]	H [mm]	d1 [mm]	Q [mm]	d2 [mm]	d3 [mm]	F1 (N)	F2 (N)
4035	ZAW-0648x48M6/D6,5	30	30	48	48	10,5	15,5	M6/ D6,5	7	5	10	2000	1400
4036	ZAW-0664x64M6/D6,5	40	40	64	64	13	19	M6/ D6,5	9	5	12	3500	1650

Material: polyamide. Pin: galvanized steel. Shank: galvanized steel, threaded.

Properties:

► reach-through holes adapted to hexagon countersunk bolts DIN 7991.

Standard Color
RAL 9005

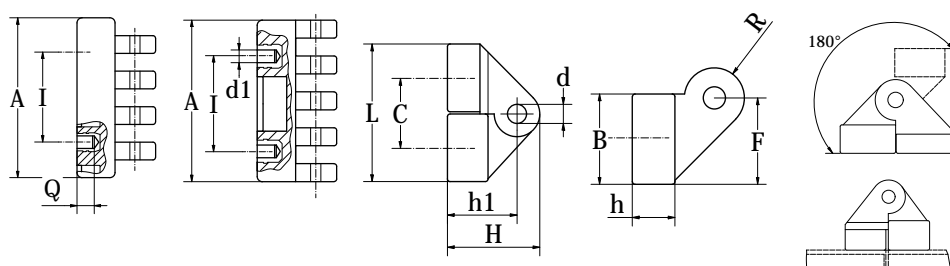


GROUP ZAW07

External hinges

NEW

Hinge with threaded bushings

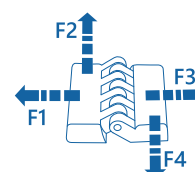


ART.NO.	TYPE	I [mm]	C [mm]	A [mm]	B [mm]	L [mm]	F [mm]	h [mm]	h1 [mm]	H [mm]	d [mm]	R [mm]	d1 [mm]	Q [mm]	F1 (N)	F2 (N)
4037	ZAW-07 30x35 M5	15	18	30	17	35	18	11	19	25	4	11	M5	8	1180	1130
4038	ZAW-07 54x44 M6	30	22	54	21	44	22	13	22	30	5	15	M6	7	1520	2980
4039	ZAW-07 78x61 M8(*)	42	32	78	30	61	30	18	31	42	8	21	M8(*)	10	885	2875

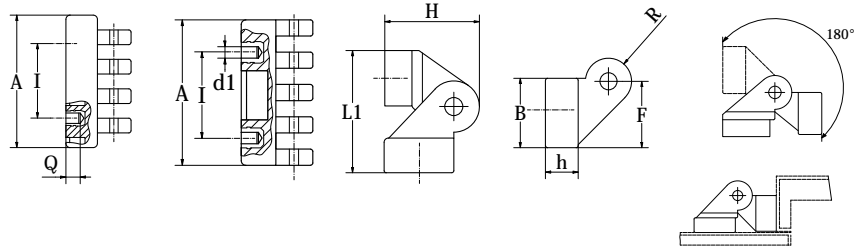
Material: polyamide. Pin: galvanized steel. Bushing: brass, threaded, blind.

Note: (*) galvanized steel, threaded, blind.

Standard Color
RAL 9005



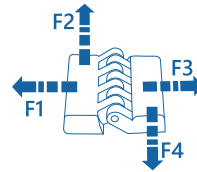
Hinge with threaded bushings



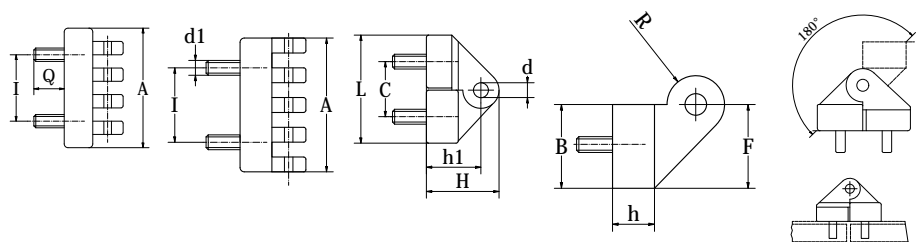
ART.NO.	TYPE	I [mm]	A [mm]	B [mm]	L1 [mm]	F [mm]	h [mm]	H [mm]	R [mm]	d1 [mm]	Q [mm]	F1 (N)	F2 (N)
4040	ZAW-08 30x36 M5	15	30	17	36	18	11	25	11	M5	8	1180	1130
4041	ZAW-08 54x44 M6	30	54	21	44	22	13	30	15	M6	7	1520	2980
4042	ZAW-08 78x62 M8(*)	42	78	30	62	30	18	42	21	M8(*)	10	885	2875

Material: polyamide. Pin: galvanized steel. Bushing: brass, threaded, blind.
Note: (*) galvanized steel, threaded, blind.

Standard Color
RAL 9005



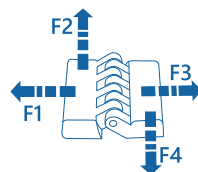
Hinge with threaded bolts



ART.NO.	TYPE	I [mm]	C [mm]	A [mm]	B [mm]	L [mm]	F [mm]	h [mm]	h1 [mm]	H [mm]	d [mm]	R [mm]	d1 [mm]	Q [mm]	F1 (N)	F2 (N)
4043	ZAW-09 30x35 M5x10	15	18	30	17	35	18	11	19	25	4	11	M5	10	690	1080
4044	ZAW-09 54x44 M6x15	30	22	54	21	44	22	13	22	30	5	15	M6	15	295	1670
4045	ZAW-09 78x61 M8x20	42	32	78	30	61	30	18	31	42	8	21	M8	20	1025	2830

Material: polyamide. Pin: galvanized steel. Shank: galvanized steel, threaded.

Standard Color
RAL 9005



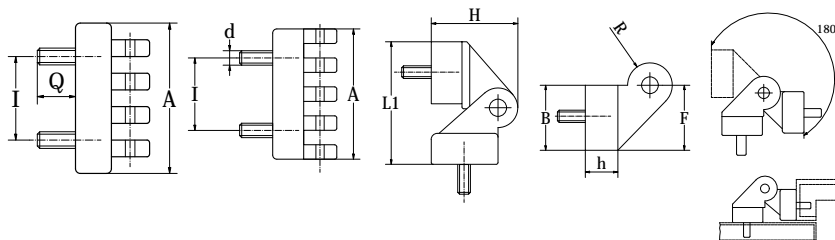


GROUP ZAW10

External hinges

NEW

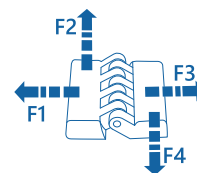
Hinge with threaded bushings



ART.NO.	TYPE	I [mm]	A [mm]	B [mm]	L1 [mm]	F [mm]	h [mm]	H [mm]	R [mm]	d1 [mm]	Q [mm]	F1 (N)	F2 (N)
4046	ZAW-10 30x36 M5x10	15	30	17	36	18	11	25	11	M5	10	690	1080
4047	ZAW-10 54x44 M6x15	30	54	21	44	22	13	30	15	M6	15	295	1670
4048	ZAW-10 78x62 M8x20	15	78	30	62	30	18	42	21	M8	20	1025	2830

Material: polyamide. Pin: stainless steel. Pin: galvanized or stainless steel, threaded.

Standard Color
RAL 9005



Plastic hinges

GRUPA UW

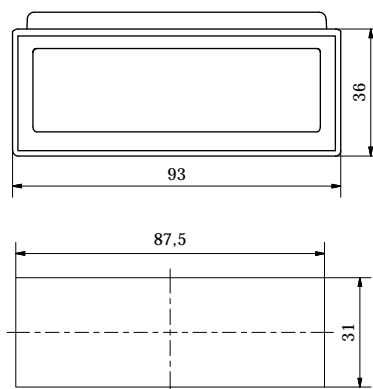
Recessed handle

NEW

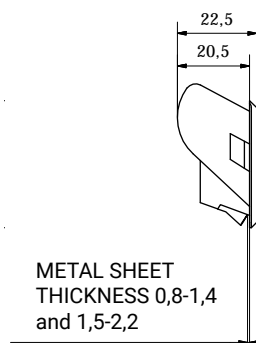
Recessed handle



ART.NO.	TYPE
4111	UW 93X36/87,5X31 0,8-1,4
4132	UW93X36/87,5X31 1,5-2,2



HOLE FOR THE HANDLE



Material: ABS.

Note: Any RAL colour of the handle can be produced.

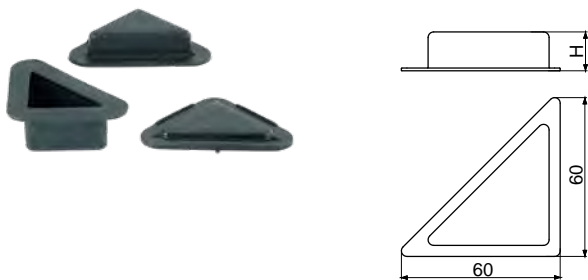
Standard Color
RAL 9005



Accessories for furniture



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



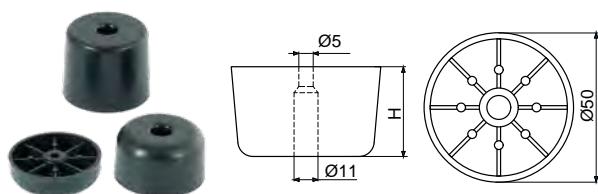
ART.NO.	TYPE	H [mm]
T004	S-42	15
T005	S-43	25

Material: polypropylene.

Standard Color
RAL 9005



Round furniture feet Ø50 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

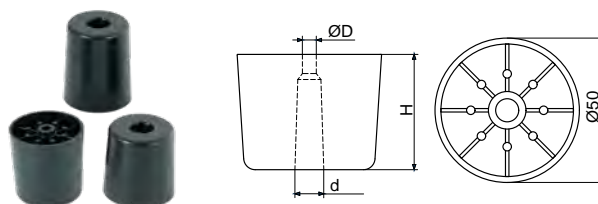
Material: polypropylene.

Standard Color
RAL 9005



Round furniture feet Ø50 screw-fixed and bolt

NEW



ART.NO.	TYPE	H [mm]	D [mm]	d [mm]
T304	S-66/A	45	6	14
T305	S-66/B	45	8	16
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

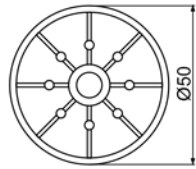
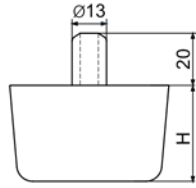
Material: polypropylene.

Standard Color
RAL 9005





Round furniture glide with a pin



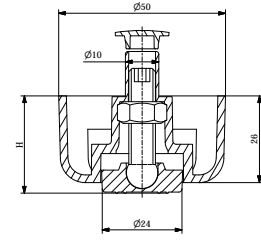
ART.NO.	TYPE	H [mm]
T315	S-67	15
T316	S-68	25
T009	S-47	30
T317	S-69	35
T318	S-70	50

Material: polypropylene.

Standard Color
RAL 9005



Tilt adjustable feet



ART.NO.	TYPE	H [mm] min-max
T140	S-64	26,0-40,0

Material: polypropylene.

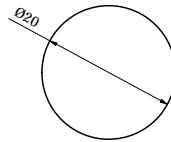
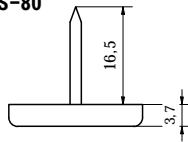
Standard Color
RAL 9005



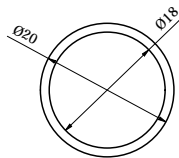
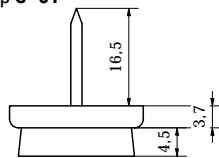
Round furniture glide with nail/ felt Ø20



Typ S-80



Typ S-81



ART.NO.	TYP	REMARK
T380	S-80	without felt
T381	S-81	with felt

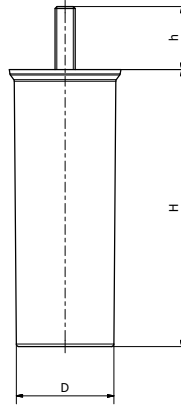
Material: polypropylene.

Standardmaessige Farbe
RAL 9005 3007





Round plastic furniture leg with a bolt Ø40



ART.NO.	TYPE	D [mm]	H [mm]	h* [mm]
T350	NMOP40 H80 M8x25	40	80	M8x25
T353	NMOP40 H110 M8x25	40	110	M8x25

Material: polypropylene.

Note: * h – any thread length.

Properties:

► modern furniture leg with matt structure.

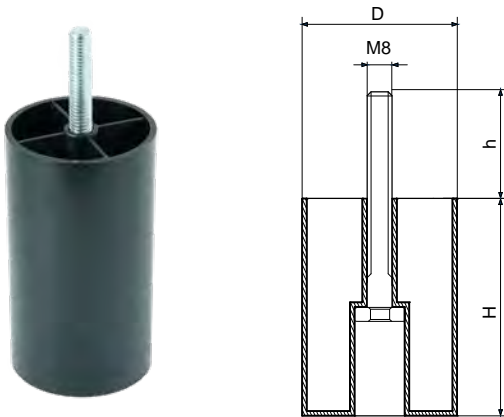
Standard Color
RAL 9005





Round plastic furniture leg Ø50

Round plastic furniture leg Ø50 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
T103	NM050H110	Ø50	110	M8x35
T104	NM050H120	Ø50	120	M8x35
T144	NM050H130	Ø50	130	M8x35
T105	NM050H150	Ø50	150	M8x35

Material: polypropylene.

h – any thread length.
the felt by ultrasound can be attached.

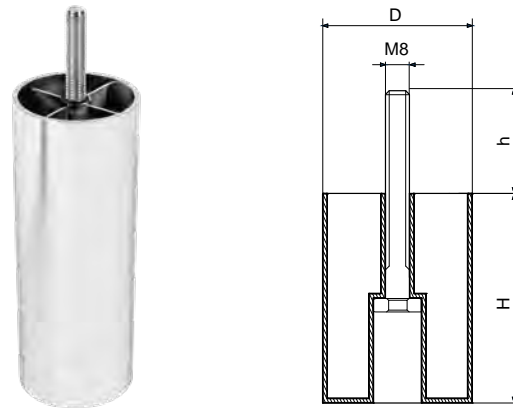
* Custom shape. Technical drawing page 122 -
Round furniture feet Ø50 screw-fixed and bolt.

Properties:
► felt can be fixed.

Standard Color
RAL 9005



Round metallized furniture leg Ø50 with a bolt



ART.NO.	TYPE	D [mm]	H [mm]	h* [mm]
T360	NMOM50H45	Ø50	45	M8x35
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
T364	NMOM50H110	Ø50	110	M8x35
T110	NMOM50H120	Ø50	120	M8x35
T147	NMOM50H130	Ø50	130	M8x35
T111	NMOM50H150	Ø50	150	M8x35

Material: polypropylene.

Note: h – any thread length.

Properties:
► felt can be fixed.

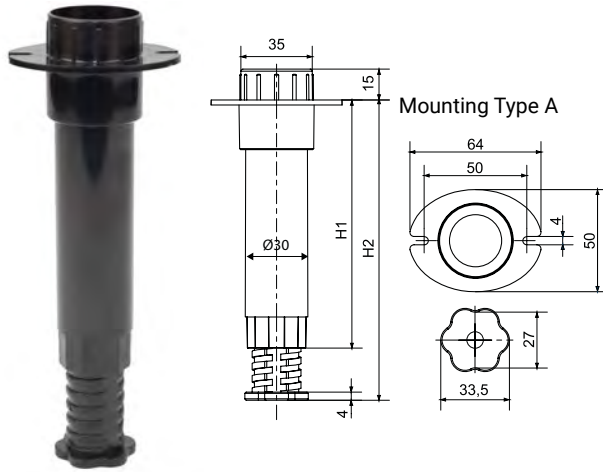
Standard Color
efekt chromu



NEW

Furniture foot with height adjustment

TYPE A



ART.NO.	TYPE	H1 [mm]	H2 [mm] min-max	Mounting
T322	SMAP30/170/A	97,0	101,0-170,0	TYPE A
T148	SMAP30/220/A	121,0	125,0-220,0	TYPE A

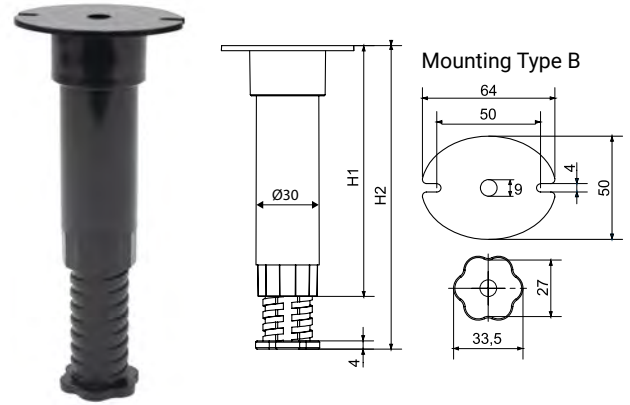
Material: ABS.

Standard Color
RAL 9005



Furniture foot with height adjustment

TYPE B



ART.NO.	TYPE	H1 [mm]	H2 [mm] min-max	Mounting
T323	SMAP30/170/B	97,0	101,0-170,0	TYPE B
T321	SMAP30/220/B	121,0	125,0-220,0	TYPE B

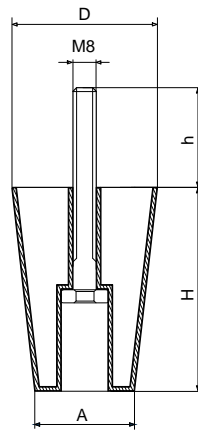
Material: ABS.

Standard Color
RAL 9005





Conical plastic furniture leg Ø75/45 with bolt



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

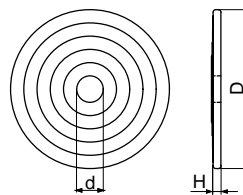
Material: polypropylene.

* 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

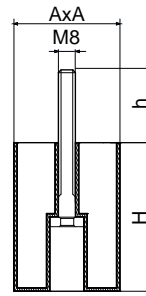
Material: polyethylene.

Standard Color
RAL 9005





Square plastic furniture leg 60x60 with bolt



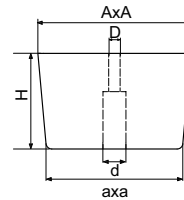
ART.NO.	TYPE	A x A [mm]	H [mm]	h* [mm]
T112	NMK60H100	60x60	100	M8x35

* h – any thread length.

Furniture legs of any design can be ordered

Square plastic furniture leg/conical

PRODUCT TO BE AVAILABLE SOON



ART.NO.	TYPE	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		

Material: ABS.

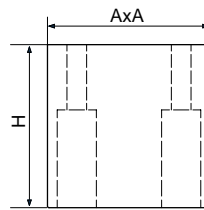
Standard Color
RAL 9005





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

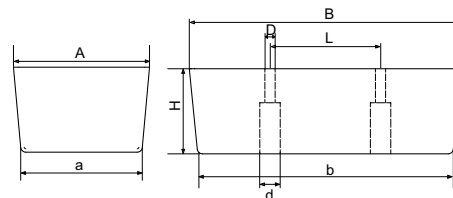
Material: ABS.

Standard Color
RAL 9005



Rectangular furniture leg / conical

PRODUCT TO BE AVAILABLE SOON



ART.NO.	TYPE	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			

Material: ABS or polypropylene.

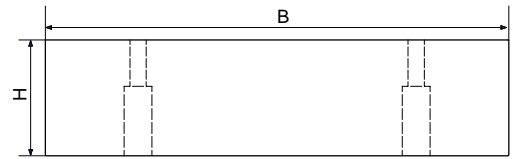
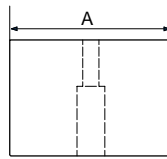
Standard Color
RAL 9005





Rectangular furniture leg

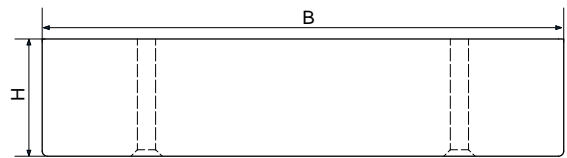
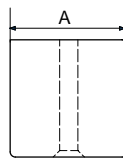
PRODUCT TO BE AVAILABLE SOON



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

Rectangular furniture leg

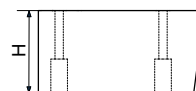
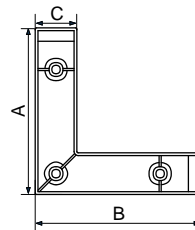
PRODUCT TO BE AVAILABLE SOON



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

Furniture corner leg

PRODUCT TO BE AVAILABLE SOON

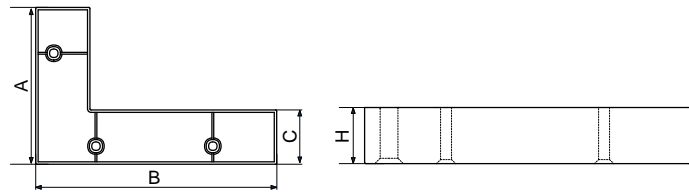


ART.NO.	TYPE	A x B [mm]	H [mm]	C [mm]
T170	NMN119H63	119 x 119	63	50
T171	NMN120H60	120 x 120	60	50
T172	NMN120H65	120 x 120	65	50



PRODUCT TO BE AVAILABLE SOON

Furniture corner leg

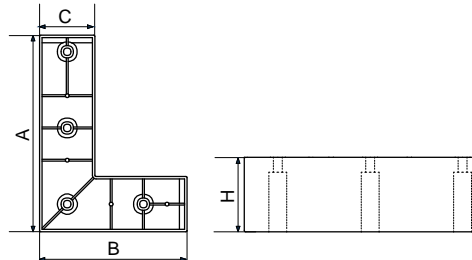
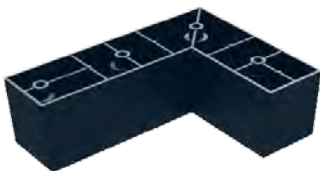


ART.NO.	TYPE	A x B [mm]	H [mm]	C [mm]
T173	NMN200 x 130H35P	200 x 130	35	45
T174	NMN200 x 130H35L	200 x 130	35	45
T175	NMN150H50	150 x 150	50	45
T176	NMN150H55	150 x 150	55	45

* L - left; P - right.

PRODUCT TO BE AVAILABLE SOON

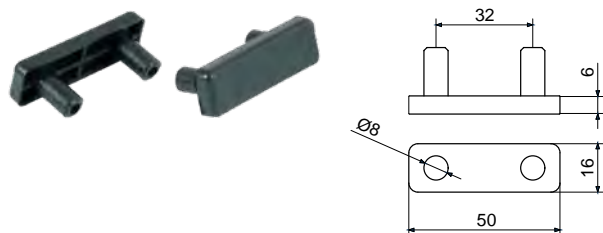
Furniture corner leg



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



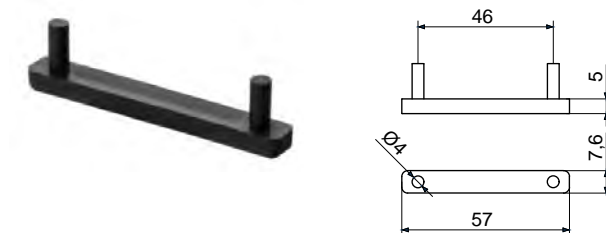
ART.NO.	TYPE
T011	S-19

Material: polypropylene.

Standard Color
RAL 9005



Rectangular furniture glide with 2 pins



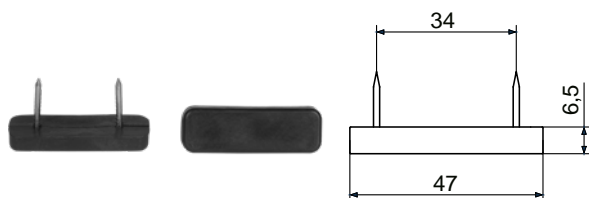
ART.NO.	TYPE	COLOR
T012	S-19/C/CZ	BLACK
T179	S-19/C/B	COLOURLESS

Material: polypropylene.

Standard Color
RAL 9005



Rectangular furniture glide with two nails



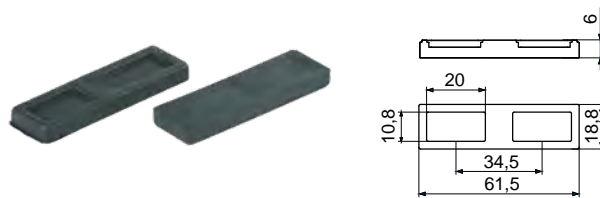
ART.NO.	TYPE
T013	S-19/A

Material: polypropylene.

Standard Color
RAL 9005



Rectangular furniture glide for staple



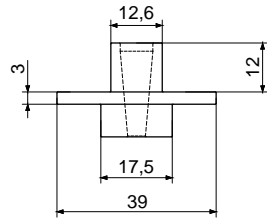
ART.NO.	TYPE
T098	S-24/C

Material: polypropylene.

Standard Color
RAL 9005



Screw-fixed socket



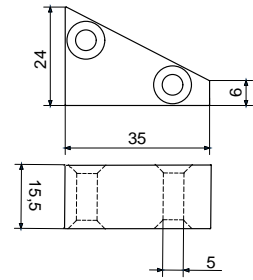
ART.NO.	TYPE
T024	S-51

Material: polypropylene.

Standard Color
RAL 9005



Closing stop



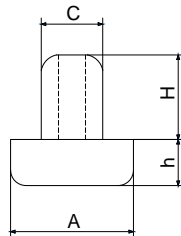
ART.NO.	TYPE
2184	S-50

Material: polypropylene.

Standard Color
RAL 9005



Round furniture glide with pin



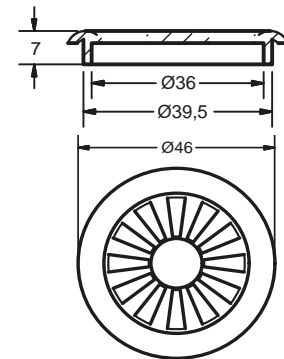
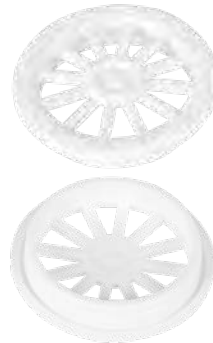
ART.NO.	TYPE	A [mm]	C [mm]	h [mm]	H [mm]
T342	S-18/B4,5	16	8	4,5	11
T017	S-18/B6,0	16	8	6	11
T018	S-18/C	16	5,0	4,5	9,5

Material: polypropylene.

Standard Color
RAL 9005



Ventilation grill of furniture drawer



ART.NO.	TYPE
T180	S-65

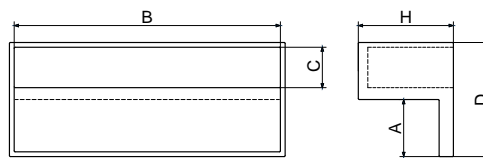
Material: polypropylene.

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.

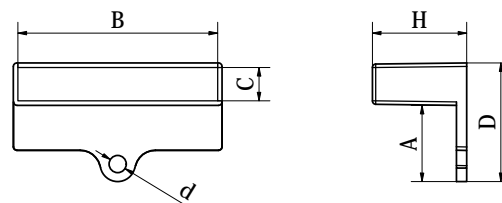
Uwaga:

* możliwość wykonania uchwytu mocowanego za pomocą zszywki z dwóch stron.

Standard Color
RAL 8028



U Spring slat cap Ø5



ART.NO.	TYPE	H [mm]	A [mm]	B [mm]	C [mm]	D [mm]	d [mm]
T384	S-15/20 Ø5/BEŻ	20	22	56	8,5	35	Ø5
T382	S-15/25 Ø5/BRAŹ	25	22	56	8,5	35	Ø5

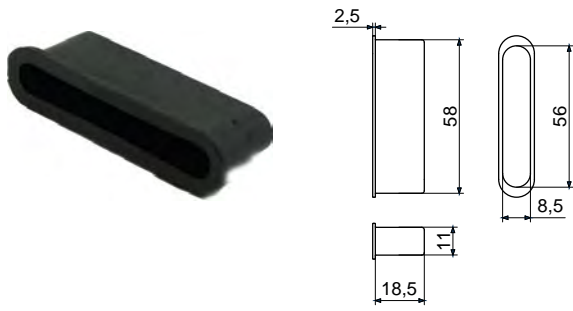
Material: polyethylene.

Standard Color
RAL 8028 1015





Inner spring slat cap 55x8



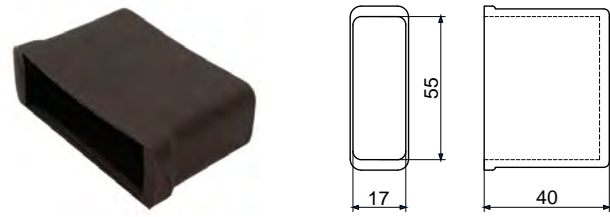
ART.NO.	TYPE
T044	S-21

Material: polyethylene.

Standard Color
RAL 9005



Spring slat cap



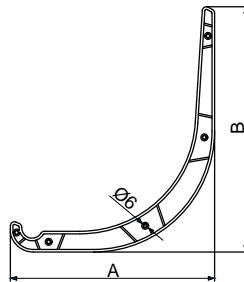
ART.NO.	TYPE
T045	S-20

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

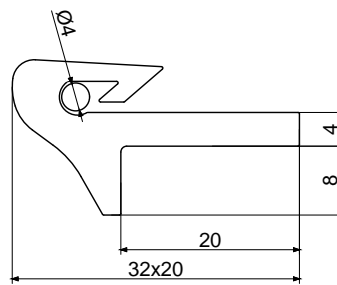
Material: polypropylene.

Standard Color
RAL 9005





Corrugated spring catch



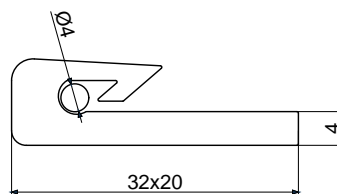
ART.NO.	TYPE
T046	S-26

Material: polypropylene, copolymer.

Standard Color
RAL 9010



Corrugated spring catch

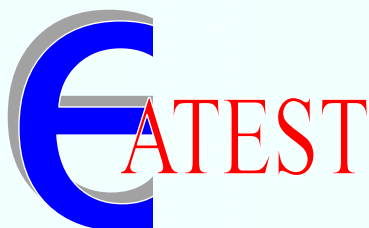


ART.NO.	TYPE
T047	S-49

Material: polypropylene, copolymer.

Standard Color
RAL 9010





ŚWIADECTWO BADAŃ
NR 1077/27/OA/06/2019
ZGODNOŚCI 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

sp. z o.o. sp. k.

ul. Wiosenna 27 62-021 Paczkowo

jako element konstrukcyjny mebli spełniają wymagania:

PN-EN 12520:2016 Meble – Wytrzymałość, trwałość i bezpieczeństwo – Wymagania dla siedzisk mieszkaniowych /EN 12520:2015 Furniture – Strength, durability and safety – Requirements for domestic seating, IDT/ i / PN-EN 16139:2013 Meble – Wytrzymałość, trwałość i bezpieczeństwo – 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/.

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 + Aneks nr 1/, stanowiące integralną część niniejszego dokumentu.

Badania wykonano w dniach 24.05.2019 – 5.06.2019 r.

**Inżynierski Ośrodek Kształtowania
Jakości Wyrobów „ATEST” sp. z o.o.
ul. Bogusławskiego 16, 60-214 Poznań
Laboratorium w Gruszczyń k. Poznania
ul. Leśna 16 62-006 Kobylnica**

Kierujący badaniami

**PREZES
Natalia Kubiak**

Poznań, dnia 10.06.2019 r

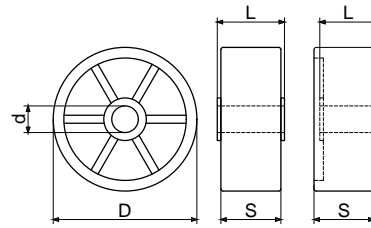




Furniture rollers



TYPE 1 TYPE 2



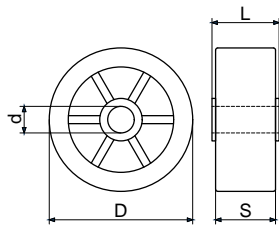
ART.NO.	TYPE	D [mm]	d [mm]	S [mm]	L [mm]	TYPE
T026	Rolle 17/17	17	4	17	18	TYPE 1
T029	Rolle 29/23	29	5	23	24	TYPE 1
T031	Rolle 27/15B	27	8	15	11	Side roller TYPE 2
T032	Rolle 42/20B	42	8	20	11	Side roller TYPE 2

Material: polypropylene.

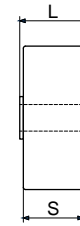
Standard Color
RAL 9005



Rubber furniture rollers



TYPE 1



TYPE 2

ART.NO.	TYPE	D [mm]	d [mm]	S [mm]	L [mm]	TYPE
T033	Rolle 29/23G	29	5	23	24	TYPE 1
T034	Rolle 42/20G	42	8	20	14	TYPE 2

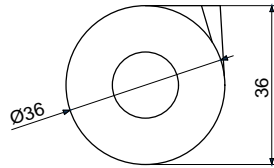
Material: core – polypropylene; track – elastomer. Elastomer-covered track.

Standard Color
RAL 7040





Furniture wheel revolving/ rubber



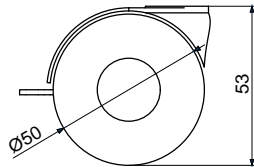
ART.NO.	TYPE	OPTION	ROLLE
T070	KL 35/G	without brake	rubber

Material: core – polypropylene, track – elastomer.

Standard Color
RAL 9005



Furniture wheel revolving/ rubber



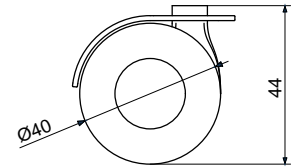
ART.NO.	TYPE	OPTION	ROLLE
T063	KL 50	without brake	plastic
T064	KL 50/H	brake	plastic
T065	KL 50/G	without brake	rubber

Material: polypropylene.

Standard Color
RAL 9005



Furniture wheel revolving



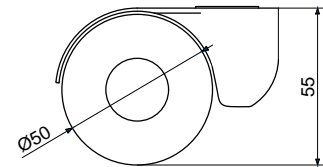
ART.NO.	TYPE	OPTION	ROLLE
T061	KL 40	without brake	plastic
T062	KL 40/H	brake	plastic

Material: polypropylene.

Standard Color
RAL 9005



Furniture wheel revolving/ rubber



ART.NO.	TYPE	OPTION	ROLLE
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.

Właściwości:
► Elastomer-covered track.

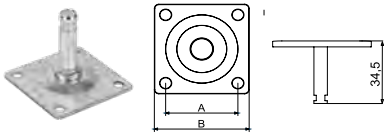
Standard Color
RAL 9005 7040



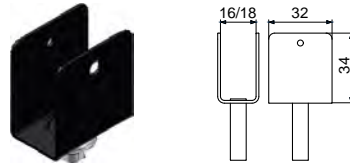


Mounting for

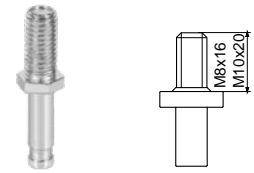
Mounting for			
KL 35/ KL 40/ KL 50/ KLN 50			
Mounting			
ART. NO.	TYPE	ART. NO.	TYPE
T120	Plate 42/32	T121	Plate 38/26
Pin Ø6			



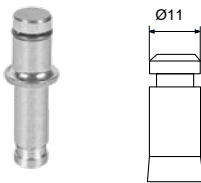
Mounting for			
KL 40/ KL 50			
Mounting			
ART. NO.	TYPE	ART. NO.	TYPE
T122	Plate U16	T123	Plate U18



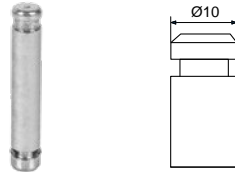
Mounting for			
KL 35/ KL 40/ KL 50/ KLN 50			
Mounting			
ART. NO.	TYPE	ART. NO.	TYPE
T124	Thread M8x16	T125	Thread M10x20



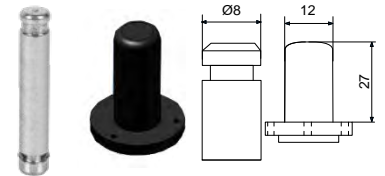
Mounting for	
KL 35/ KL 40/ KL 50/ KLN 50	
Mounting	
ART.NO.	TYPE
T128	Pin Ø11*



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

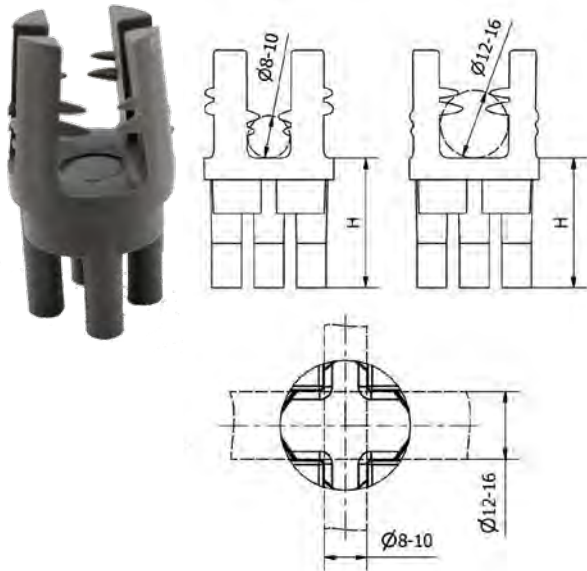


Note:
*Pin is found in hammered stud only.

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.

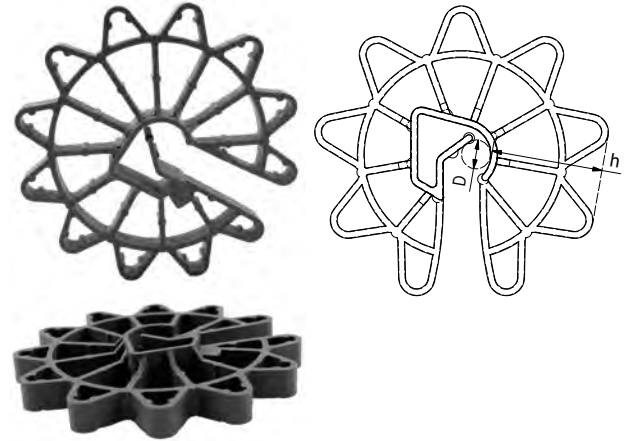
ART.NO	TYPE	BAR	h [mm]
2011	DZPH15	Ø8-Ø16	15
2012	DZPH20	Ø8-Ø16	20
2013	DZPH25	Ø8-Ø16	25
2014	DZPH30	Ø8-Ø16	30
2015	DZPH40	Ø8-Ø16	40
2016	DZPH50	Ø8-Ø16	50

Material: polypropylene.

Standard Color
RAL 9005 7040



Star-wheel vertical rebar spacer



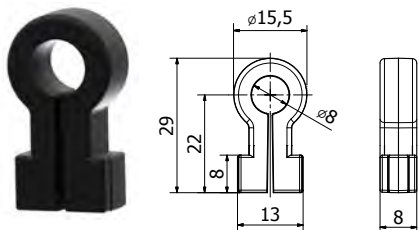
Star-wheel spacer is intended for mounting on vertical rebars with various bar diameters. Thanks to ribbed design, contact between the spacer and formwork is minimized and good concrete flow is ensured. Distance between the reinforcement structure and formwork depends on a spacer type.

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

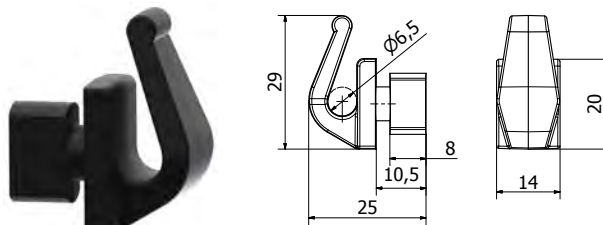
Material: polypropylene.

Standard Color
RAL 9005 7040



Goal net hook "OMEGA"


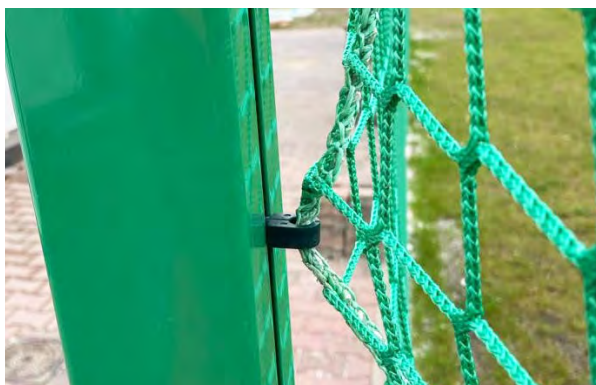
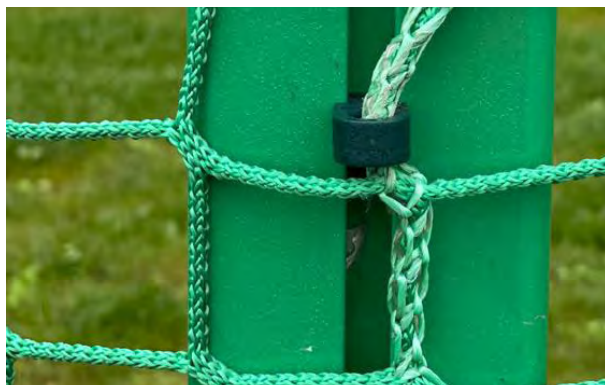
ART.NO	TYPE
4112	ZSP/O

Goal net hook


ART.NO	TYPE
4113	ZSP/H

Material: polypropylene.

The „omega” and „hook” holder are mounted in profiles with an appropriate embossing, thanks to which the woven net is effectively attached to the post. The construction of the „hook” holder enables quick assembly and disassembly of the football net on the goal.


Properties:

- ▶ hooks made of polypropylene ensure durability and mechanical strength as well as resistance to weather conditions,
- ▶ possibility of making the hook of plastic - polyamide, which ensures greater durability of the element,
- ▶ possibility of producing the hooks in any RAL color.

Intended purpose:

- ▶ used for the installation of woven net as: fencing of sports fields, football fields; barrier netting in the stands of the stadium; covers of windows, walls, ceilings and stands in the sports hall;
- ▶ assembly of the net to the frame of the goal.

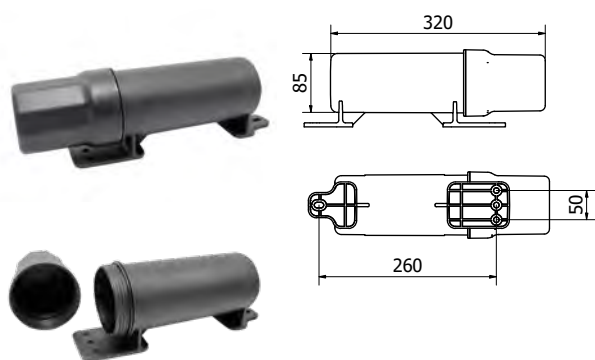
Material: polypropylene.

Standard Color
RAL 9005





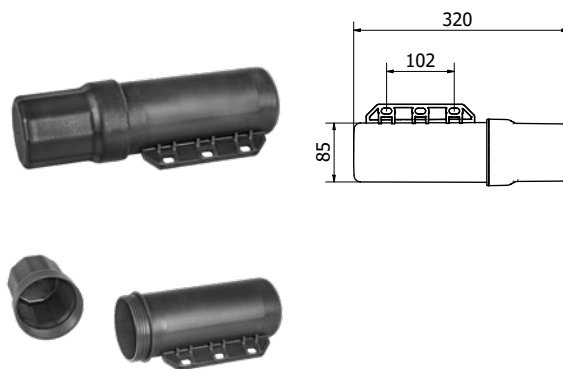
Hermetic glovebox for documents and tools storage



ART.NO.	TYPE
2035	POJ/320x85/A

Material: polypropylene.

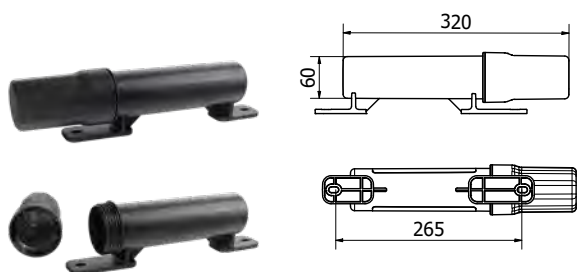
Standard Color
RAL 9005



ART.NO.	TYPE
3383	POJ/320x85/B

Material: polypropylene.

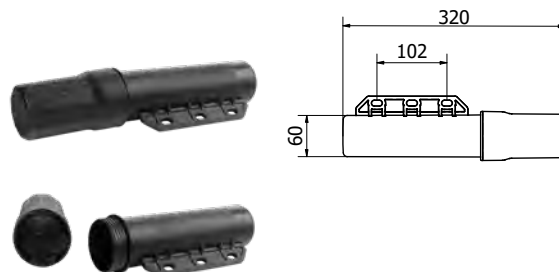
Standard Color
RAL 9005



ART.NO.	TYPE
3395	POJ/320x60/A

Material: polypropylene.

Standard Color
RAL 9005



ART.NO.	TYPE
3396	POJ/320x60/B

Material: polypropylene.

Standard Color
RAL 9005





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:

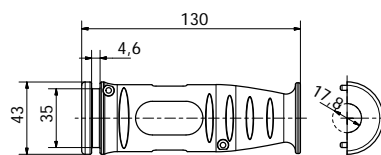
- ▶ storage of documents, tools, spare parts, etc.



GROUP RSWH | **Folding handles for hydraulic hose**



Folding handle for the hose 3/8" i 1/2"



Handle is designed for 1/2" and 3/8" hydraulic hoses.

NR ART.	TYPE	REMARK
3494	RSWH	For 3/8" and 1/2" hose
3495	Numerical marking for RSWH no.1/Colour	Marking NO. 1.
3496	Numerical marking for RSWH no.2/Colour	Marking NO. 2.

Material: polypropylene.

Note:

Self-drilling screw 3.5x16 with a pan head should be used. ISO 7049C. Screws are not included.

Properties:

- ▶ aesthetic and practical ending of hydraulic hose tip,
- ▶ ergonomic and hand-fitting shape of handle,
- ▶ impact resistant,
- ▶ resistant to external conditions,
- ▶ handle is provided with prepared space for logo stamping in or one-colour pad printing,

Use:

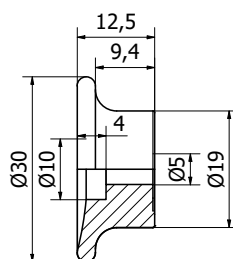
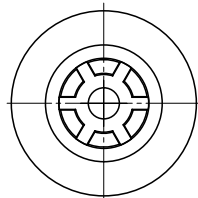
- ▶ handle with numerical marking in selected colour, allows hydraulic hoses to be connected in pairs.



Standard Color	Masking caps:					
RAL 9005	Standard Color	RAL 9005	3020	1021	6018	5005



The trailer's side roll



NR ART.	NAME	D [mm]	H [mm]	hole Ø
3223	ADP 08/A	30	12,5	Ø5

Material: polyamide.

Option: polypropylene.

Use:

- roll allows for effective fixing of covers, nets, tarpaulins using flexible rope.

Standard Color
RAL 9005



Other plastic accessories



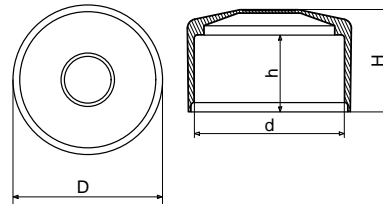
Accessories for installation of mesh and panel fencings



GROUP NSO

Caps

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

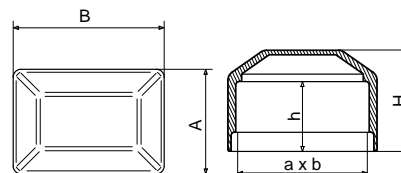
RAL 9005 7040 6005 8028 7016



GROUP NSP

Caps

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
3485	NSP 20 x 80	20,0 x 80,0	24,0 x 84,0	34	26



ART.NO.	TYPE	a x b [mm]	A x B [mm]	H [mm]	h [mm]
480	NSP 40 x 60	40,0 x 60,0	45,0 x 65,0	30,5	21,0
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

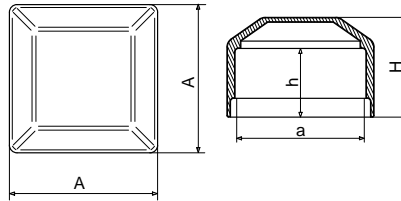
RAL 9005 7040 6005 8028 7016



GROUP NSK

Caps

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

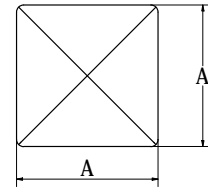
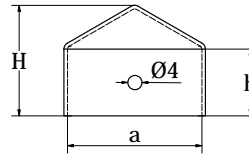
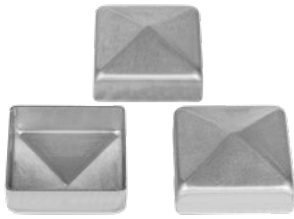
RAL 9005 7040 6005 8028 7016



GROUP NKZM

Metal caps

Square metal post caps



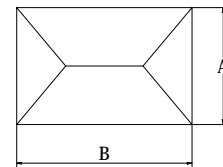
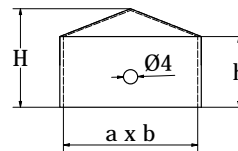
ART.NO.	TYPE	a [mm]	A [mm]	H [mm]	h [mm]
3646	NKZM 20x20	20,0	22,0	17,00	11,00
3647	NKZM 30x30	30,0	32,0	23,00	15,00
3478	NKZM 35x35	35,0	37,0	24,00	16,00
3479	NKZM 40x40	40,0	42,0	25,00	16,00
3480	NKZM 50x50	50,0	52,0	28,00	19,00
3481	NKZM 60x60	60,0	62,0	31,00	19,00
3648	NKZM 70x70	70,0	72,0	34,00	19,00
3482	NKZM 80x80	80,0	82,0	37,00	19,00
3649	NKZM 90x90	90,0	92,0	37,00	19,00
3650	NKZM 100x100	100,0	102,0	39,00	19,00
3651	NKZM120x120	120,0	122,0	42,00	16,00

Material: raw steel.

GROUP NPZM

Metal caps

Rectangular metal post caps



ART.NO.	TYPE	a x b [mm]	A x B [mm]	H [mm]	h [mm]
3652	NPZM 30x50	30,0 x 50,0	32,0 x 52,0	25,00	18,00
3653	NPZM 40x60	40,0 x 60,0	42,0 x 62,0	27,00	19,00

Material: raw steel.

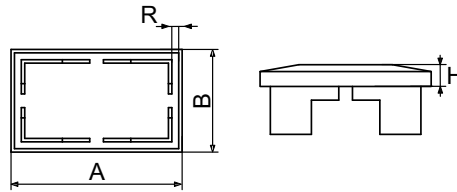
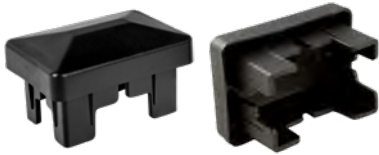


GROUP NSPWEW

Caps

NEW

Inner cap for fencing post



ART.NO.	TYPE	A x B [mm]	R - WALL THICKNESS	H [mm]
2194	NSPWEW 40 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



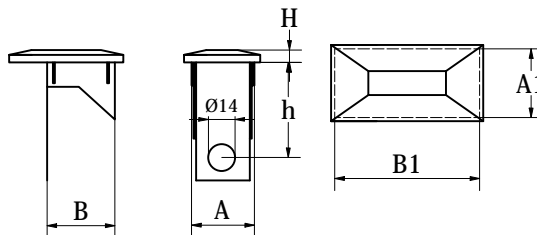
Caps for fencing posts

GRUPA NSPWEW

Caps

NEW

Internal cap for the lath of fence post 40x60



NR ART.	TYP	A x B [mm]	B1 x A1 [mm]	R - WALL THICKNESS	H [mm]	h [mm]
1910	NSPWEW/L 40 x 60	40 x 60	91 x 41	1,2-1,5	10	55

Material: polyethylene.

Properties:

- ▶ cap designed for 40x60 post with metal rack mounted on UM mounting from p. 174,
- ▶ modern design,
- ▶ inner construction allows for secure installation of 40x60 cap on post
- ▶ plastic material resistant to adverse weather conditions,
- ▶ suitable for 30mm and 40mm wide metal rack.

Standard Color

RAL 9005 7040 6005 8028 7016





Accessories for installation of fencing mesh



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

ASSEMBLY INSTRUCTIONS FOR BRAIDED MESH FENCING

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

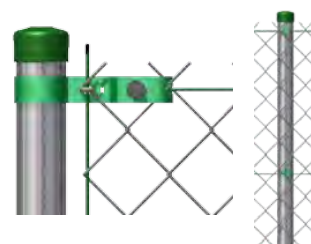
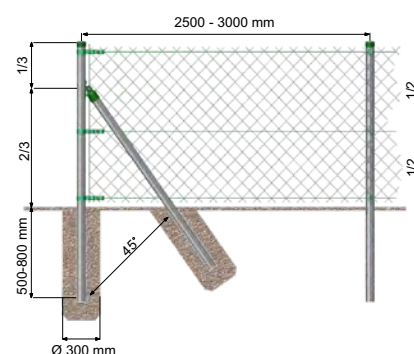
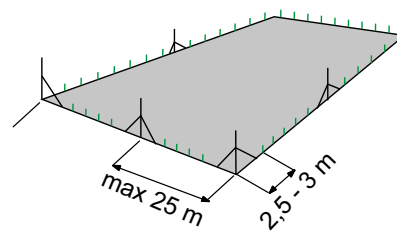
Mark out the site for planned fencing using string and stakes. Posts should be spaced at 2.5–3m. Recommended distance between starting post and tensioning or corner post should not be greater than 25m.

2. Installation of posts

- 2.1 In points for posts, drill holes with depth of 50–80cm and diameter of 30 cm.
- 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 Join starting, tensioning and terminating posts to supporting posts at 45° at about 2/3 of the height from zero level.

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



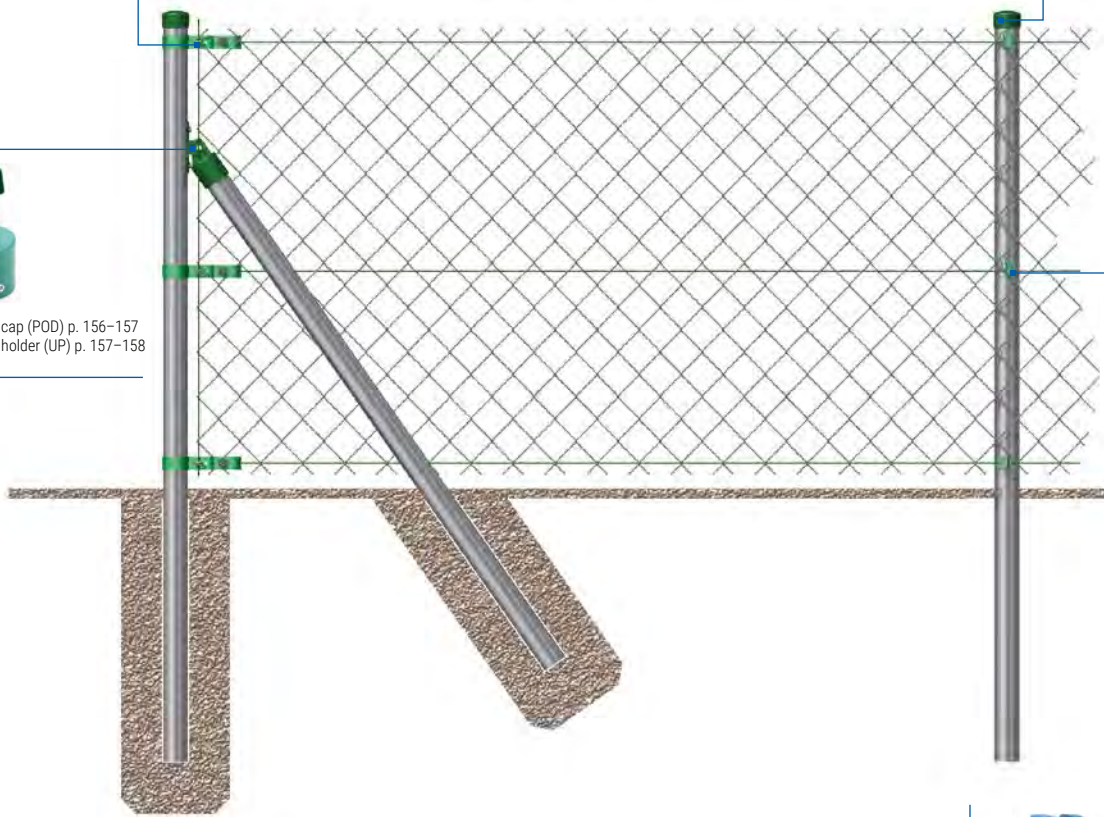
Tensioner (NS) p. 161
Clamps (OP1, OK1, OM) p. 158-160
Bar mounting bolt p. 163
Tensioning bar p. 162



Fencing caps
(NSO, NSP, NSK)
p. 148-149



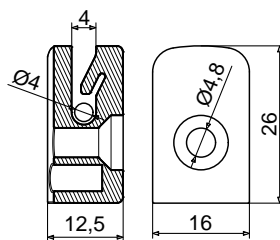
Support cap (POD) p. 156-157
Support holder (UP) p. 157-158



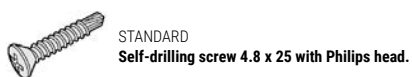
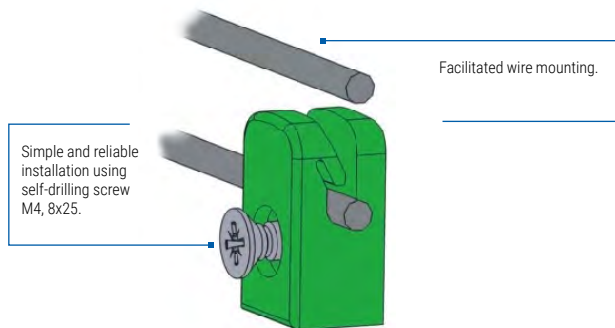
Wire holders for mounting
of tensioning wire
(PDA, PDB) p. 154-155



Screw fixed wire holder



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



STANDARD
Self-drilling screw 4.8 x 25 with Philips head.



OPTION
Self-drilling screw 4.8 x 25 with hexagon head.

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



TYPE PD/A



TYPE PD/A/2

Material: polyethylene.

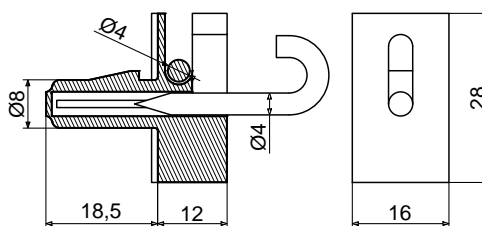
Properties:

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

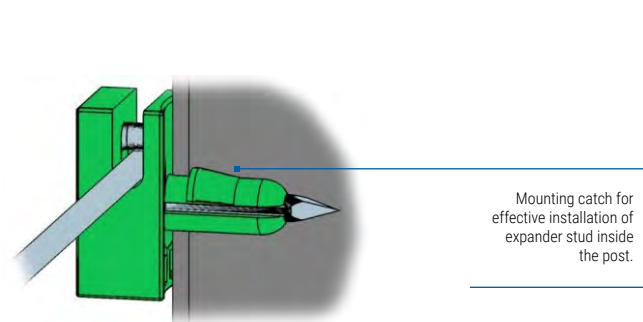
Standard Color
RAL 9005 7040 6005 8028 7016



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.



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 $\varnothing 8$.

Standard Color

RAL 9005 7040 6005 8028 7016





GROUP PDM

Wire holders

Universal through-pass metal holder



ART.NO.	TYPE	DESCRIPTION	COATING
1140	PDMO/OC	Plate wire holder galvanized for round post.	Galvanized
1141	PDMO/MAL	Galvanized and painted plate wire holder for round post	Painted

including: self drilling screw 5,3x24.

Material: steel, galvanized.

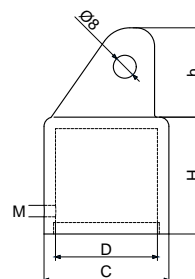
Standard Color
RAL 9005 7040 6005 8028 7016



GROUP POD

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 - Polyamide with glass fibre,
- ▶ freeze-resistant,
- ▶ comes with bolt or screw,
- ▶ UV-resistant.

Standard Color

RAL 9005 7040 6005 8028 7016



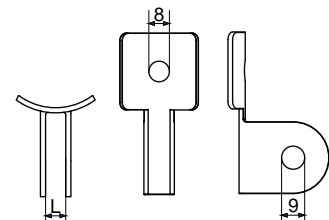
GROUP UP

Grips

Grip for support fencing post cap



+ screw 6.3x25



ART.NO.	TYPE	COATING
445	UP/OC	Galvanized
444	UP/MAL	Painted
1201	Screw M8 x 25	Galvanized
1128	Nut M8	Galvanized

Material: steel, galvanized.

Comes with self-drilling screw.

Standard Color

RAL 9005 6005 7016





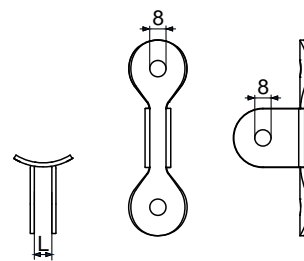
GROUP UP/2

Grips

Grip for support fencing post cap UP/2



2x screw 6.3x25



ART.NO.	TYPE	COATING
494	UP/2/OC	Galvanized
495	UP/2/MAL	Painted
1201	Bolt M8 x 25	Galvanized
1128	Nut M8	Galvanized

Material: steel, galvanized.

Comes with self-drilling screw.

Standard Color

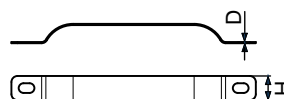
RAL 9005 6005 7016



GROUP OM

Bands

Metal band

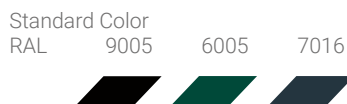


ART.NO.	TYPE	POST	COATING	D [mm]	H [mm]
3253	OM38/OC	Ø38	Galvanized	1,0	20,0
3254	OM38/MAL	Ø38	Painted	1,0	20,0
1000	OM42/OC	Ø42	Galvanized	1,0	20,0
1001	OM42/MAL	Ø42	Painted	1,0	20,0
1002	OM45/OC	Ø45	Galvanized	1,0	20,0
1003	OM45/MAL	Ø45	Painted	1,0	20,0
1004	OM48/OC	Ø48	Galvanized	1,0	20,0
1005	OM48/MAL	Ø48	Painted	1,0	20,0
1006	OM50/OC	Ø50	Galvanized	1,0	20,0



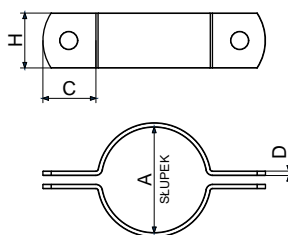
ART.NO.	TYPE	POST	COATING	D [mm]	H [mm]
1007	OM50/MAL	Ø50	Painted	1,0	20,0
1008	OM60/OC	Ø60	Galvanized	1,0	20,0
1009	OM60/MAL	Ø60	Painted	1,0	20,0
1010	OM75/OC	Ø75	Galvanized	1,0	20,0
1011	OM75/MAL	Ø75	Painted	1,0	20,0
1012	OM90/OC	Ø90	Galvanized	1,0	20,0
1013	OM90/MAL	Ø90	Painted	1,0	20,0

Material: steel, galvanized.



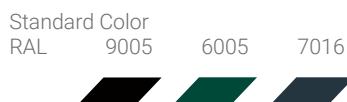
GROUP OP1 | Intermediate clamps

Intermediate clamp 1 hole



ART.NO.	TYPE	A 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.

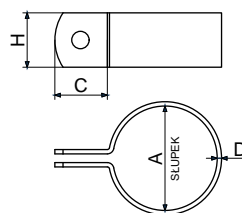




GROUP OK1

End clamps

End clamp 1 hole



ART.NO.	TYPE	A 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.

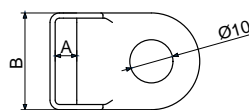
Standard Color
RAL 9005 6005 7016



GROUP SPINKA

Auxiliary clips

Auxiliary clip for metal band or clamp



ART.NO.	TYPE	DESCRIPTION	COATING	A [mm]	B [mm]
1115	Clip20/OC	Clip for bands	Galvanized	5,1	20,0
1116	Clip20/MAL	Clip for bands	Painted	5,1	20,0
1118	Clip25/OC	Clip for bands	Galvanized	5,25	25,0
1119	Clip25/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





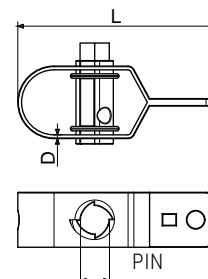
GROUP NS

Wire tensioners

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



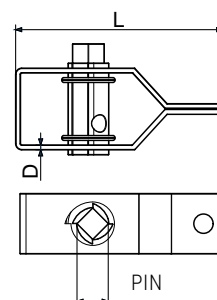
GROUP WNS

Reinforced wire tensioners

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





GROUP

Tension bar

Tension bar PCV



ART.NO.	TYPE	DESCRIPTION [mm]
1300	Tension bar 8 x 1050/PCV/gray	8 x 1050
1301	Tension bar x 1050/PCV/color *	8 x 1050
1302	Tension bar x 1300 /PCV/gray	8 x 1300
1303	Tension bar 8 x 1300/PCV/color *	8 x 1300
1304	Tension bar 8 x 1550/PCV/gray	8 x 1550
1305	Tension bar 8 x 1550/PCV/color *	8 x 1550
1306	Tension bar 8 x 1850/PCV/gray	8 x 1850
1307	Tension bar 8 x 1850/PCV/color *	8 x 1850

Material: PVC-coated steel bar.

Use:

► for coupling of braided mesh.

Standard Color

RAL 7040 *9005 *6005 *7016





GROUP BOLT

Bolts

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.

GROUP ZDK

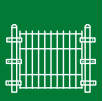
Connector

Barbed wire connector

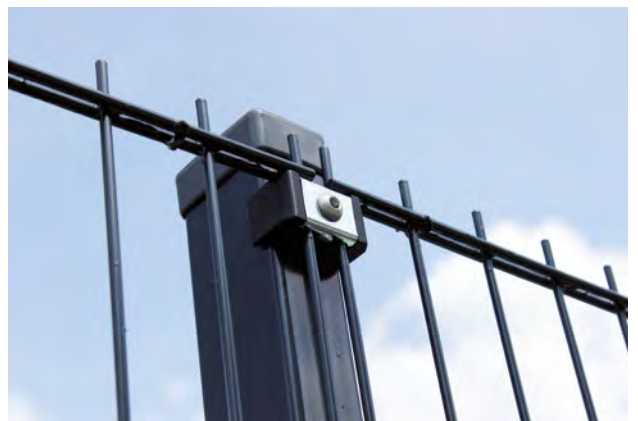


ART.NO.	TYPE	COATING
1144	ZDK	Galvanized

Material: galvanized steel.



Accessories for installation of fencing panels

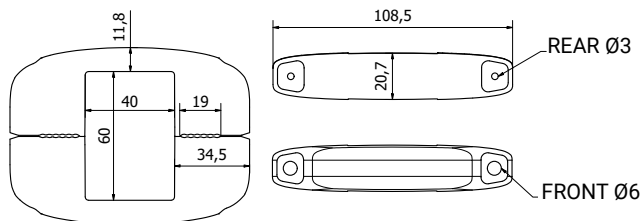


Accessories for installation of fencing panels



Accessories for installation of fencing panels

Plastic intermediate clamp



Plastic intermediate clamp

TYPE: OPT40x60/ZAS/W/COLOUR



Caps (4 pcs.)



Material: polyethylene (PE)

Metal screws for plastic (2 pcs.)
6,1 x 30 TX25



galvanized steel

Clamp



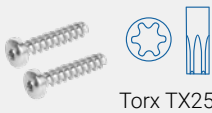
polyethylene (PE)

Plastic intermediate clamp (without caps)

TYPE: OPT40x60/W/COLOUR



Metal screws for plastic (2 pcs.)
6,1x30 TX25



Material: galvanized steel

Clamp



polyethylene (PE)

ART.NO.	TYPE	POST
3580	OPT40X60/ZAS/W/COLOR	40 X 60
3581	OPT40x60/W/COLOR	40 X 60

Properties:

- ▶ very strong connection of panels 3D ø 3, 4, 5 and 2D type 6/5/6 with the fence post 40 x 60 mm,
- ▶ metal clamp equivalent,
- ▶ the same distances are maintained between fence posts during assembly,
- ▶ exceptional fencing stability,
- ▶ the press of panels against posts eliminates noise, caused e.g. by vibrations generated by wind or ball impact,
- ▶ exceptional resistance to weather conditions (UV radiation, frost resistance),
- ▶ safety (roundings and the material from which the clamp was made protect against the injury),
- ▶ simple and quick assembly.

Standard Color

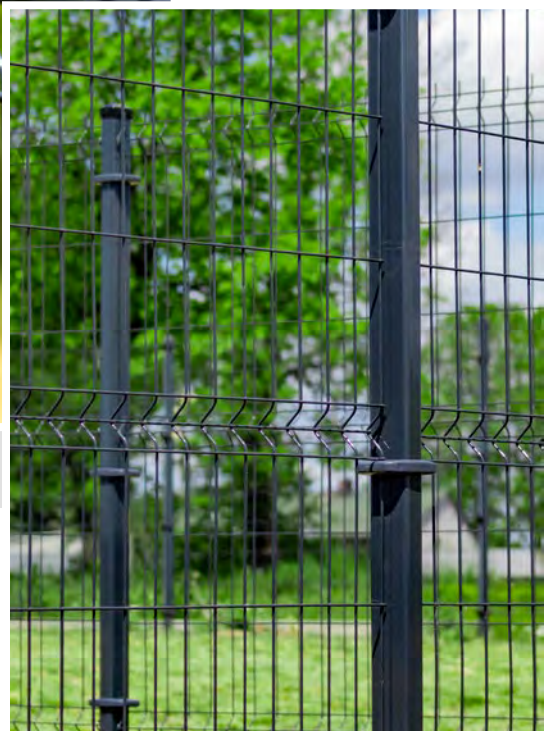
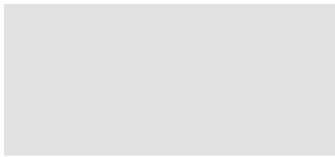
RAL 9005 7040 6005 8028 7016





Harmonious form

Timeless elegance and perfect fit of elements.



Universal, minimalist style

Identical fence surface without protruding elements which disturb the fencing rhythm.

Accessories for installation of fencing panels

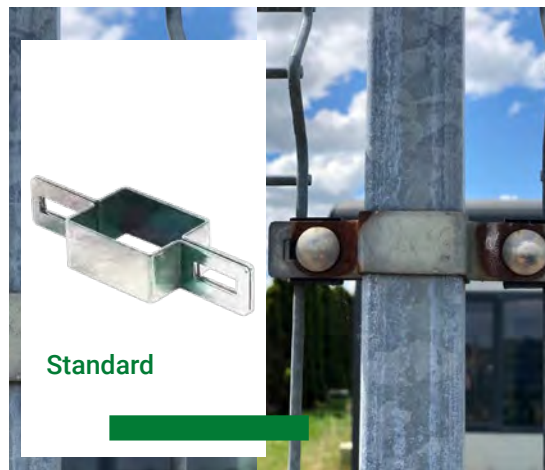


Plastic intermediate clamp advantages

Plastic intermediate clamp



Metal hot-dip galvanized intermediate clamp



Design advantages:

- **Metal clamp equivalent.** The same distances are maintained between fence posts as during assembly of metal intermediate clamp.
- **Immediate assembly.** Openings inside the clamp allow its quick fixing by means of screws intended for plastics. This kind of fixing does not require using problematic spacers, so-called booklets. The fixing is easy to be modified also after final assembly.
- **No corrosion centre.** The plastic intermediate clamp is without doubt a product with better technical values. Compared to the metal clamp the screws are set in the mounting holes and additionally protected by caps. The advantage of such a solution is that there is no corrosion.
- **Safety.** Rounded structure protects against accidental cut.
- **Timeless and original design.** The appearance of the clamp is consistent with the fence post and plastic bracket for concrete slab.
- **Problem-free delivery.** No scratches during transport and low product weight allow the reduction of forwarding costs.

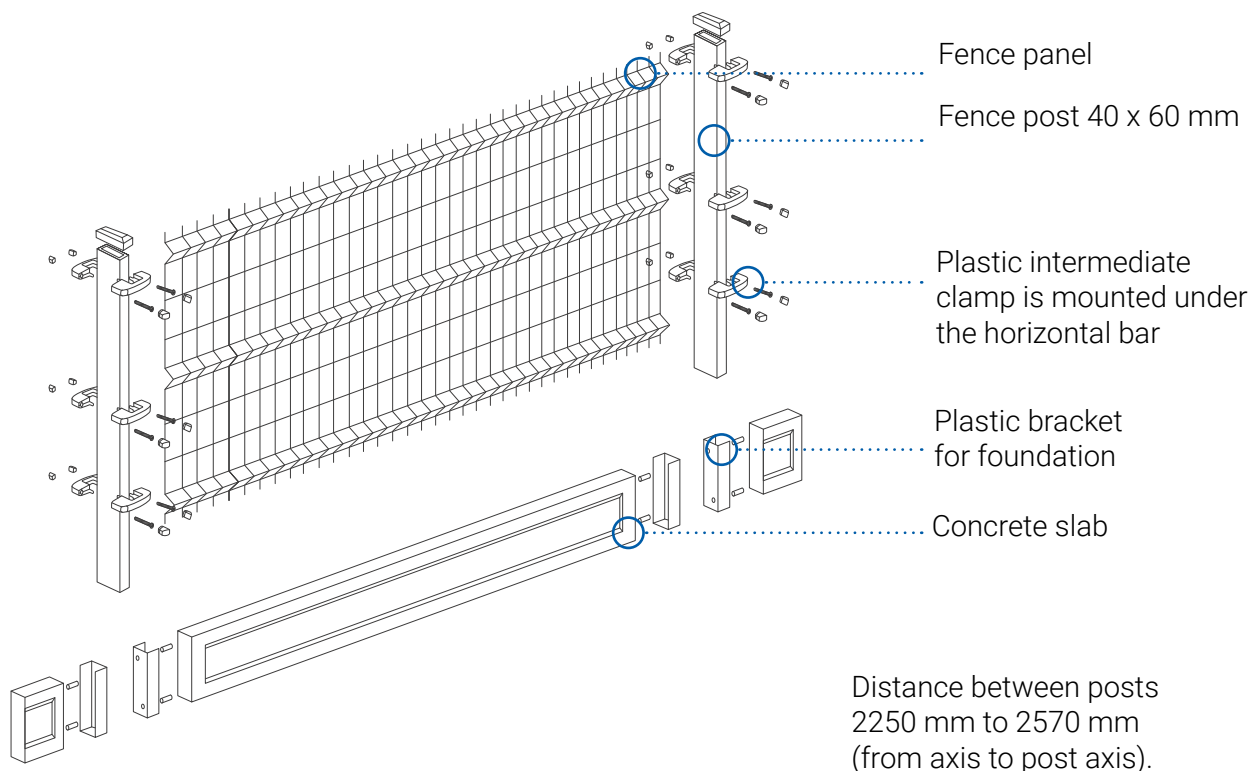
Material advantages:

Exceptional resistance to weather conditions and mechanical damage.

- The plastic clamp is made of high quality plastic - polyethylene (PE), containing UV stabiliser. This kind of plastic guarantees lasting protection against adverse weather conditions. This material does not absorb moisture, features high resistance to impacts in low and high temperatures. The plastic has also a high ability to absorb vibrations, good dimensional stability and high resistance to environmental corrosion and penetration of chemicals.



Assembly diagram



Properties:

- ▶ Immediate assembly with a screw.
- ▶ Strict clamp adherence to the post.
- ▶ Perfectly matched caps protecting mounting screws.

Intended purpose:

- ▶ modern residential housing,
- ▶ single-family houses,
- ▶ industrial plants,
- ▶ office complexes,
- ▶ public utilities (hospitals, schools),
- ▶ other industrial and business spaces.

ASSEMBLY INSTRUCTIONS FOR FENCING PANELS 3D Ø4, Ø5 and 2D 6/5/6 WITH USE OF PLASTIC INTERMEDIATE CLAMPS



Plastic intermediate clamps should be placed under horizontal bar of fencing panel, and the lower clamp should be placed above horizontal bar. Thus the panel is set stable on clamps. For heights above 1.5m it is recommended to mount 3 sets of clamps.

Mount fencing panel between intermediate posts using plastic intermediate clamp and screws 6,1x30 TX25.

Put front part of the clamp Ø6 mm and rear part of the clamp Ø3 mm so they embrace the whole post together with the panel. Using drill driver with bit TX25 carefully screw one side and then the other. When both parts are matched properly, screw to achieve contact until resistance is felt.

Note: electric drill driver should be fitted with torque clutch so a torque of 8-12 Nm can be achieved.

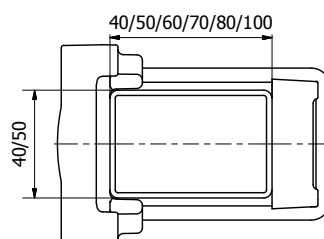


GROUP ZZ

U-Buegel

NEW

Clamp connector for panel fencings fixing



<p>HOLE MASKING CAPS</p> <p>Material: polyamide PA</p>	<p>NUTS M6</p> <p>Material: stainless steel</p>	<p>REAR MOUNTING</p> <p>Material: polyamide PA</p>	<p>HEAD MOUNTING</p> <p>Material: polyamide PA</p>	<p>U-BOLT CLAMP</p> <p>Material: stainless steel</p>
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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.

Standard Color
RAL 9005





Practically and safely
A particularly popular design,
appreciated for its durability.



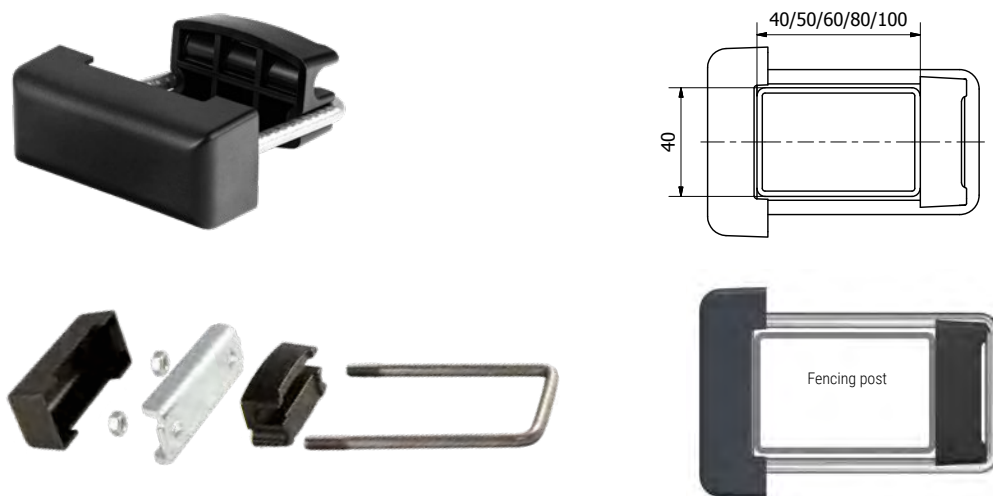
Intended use

A modern design, widely used
in industrial and public fencings.





Metal clamp connector with a lining for panel fencings fixing



MASKING CAP	NUTS M6	SADDLE	HEAD MOUNTING	U-BOLT CLAMP
				
Material: ABS	stainless steel	galvanized steel *stainless steel	polyamide PA	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





High quality and reliability
 Very strong connection of industrial
 panels with fencing post.

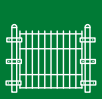


Accessories for installation of fencing panels

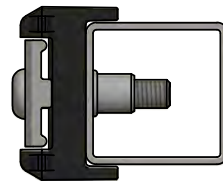
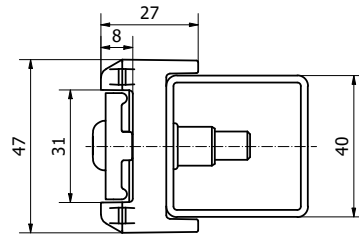


Intended use

A classic design used in road
 infrastructure fencings.



Mounting bracket for fencing panels with zn pressure platen



Accessories for installation of fencing panels

	BOLT M8x40	PRESSURE PLATEN	RIVET NUT	BRACKET
				
Material:	stainless steel A2	galvanized steel *stainless steel	galvanized steel	polyethylene

Mounting bracket with pressure platen for fixing of fencing panels on fencing post type: 3D - wire Ø 4,5,6 and TYPE 2D 6/5/6 and 8/6/8. Widely used in industrial, sports, public and private property fenceings.

ART.NO.	TYPE	BRACKET	PRESSURE PLATEN
1920	UMM 40/PE/OC	polyethylene	galvanized
2159	UMM 40/PE/A2	polyethylene	stainless steel

* Pressure platen in stainless steel can be ordered.

Installation instructions

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

1. In the post, drill Ø11mm hole.
2. Rivet the plastic bracket on the post using rivet nut (standard rivet nut is designed for profile wall between 1 and 2 mm). It is possible to order a custom rivet nut designed for wall between 2 and 4 mm).
3. Hang fencing panels on the installed bracket.
4. Screw the whole fencing using frontward or rearward mounted pressure platen.

Standard Color

RAL 9005 6005 8028 7016





Simple and quick installation



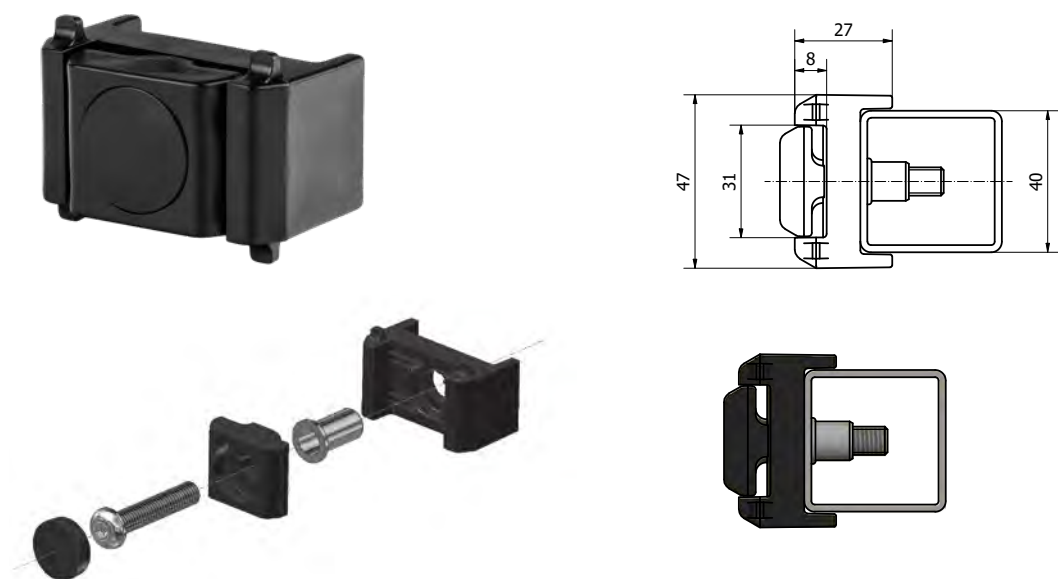
Accessories for installation of fencing panels

Variety in installation
Pressure platen can be mounted
frontward or rearward.



Mounting bracket for fencing panels with plastic tightening pad-plate

Accessories for installation of fencing panels



HOLE MASKING CAP	BOLT M8x40	PRESSURE PLATEN	RIVET NUT	BRACKET
				
Material: polyethylene	stainless steel A2	polyethylene	galvanized steel	polyethylene

Mounting bracket with plastic pad-plate for fixing of fencing panels on fencing post type: 3D - wire Ø 4,5,6 and TYPE 2D 6/5/6 and 8/6/8. Widely used in industrial, sports, public and private property fences.

ART.NO.	TYPE	BRACKET	PRESSURE PLATEN
1940	UMT 40/PE/PE	polyethylene	polyethylene

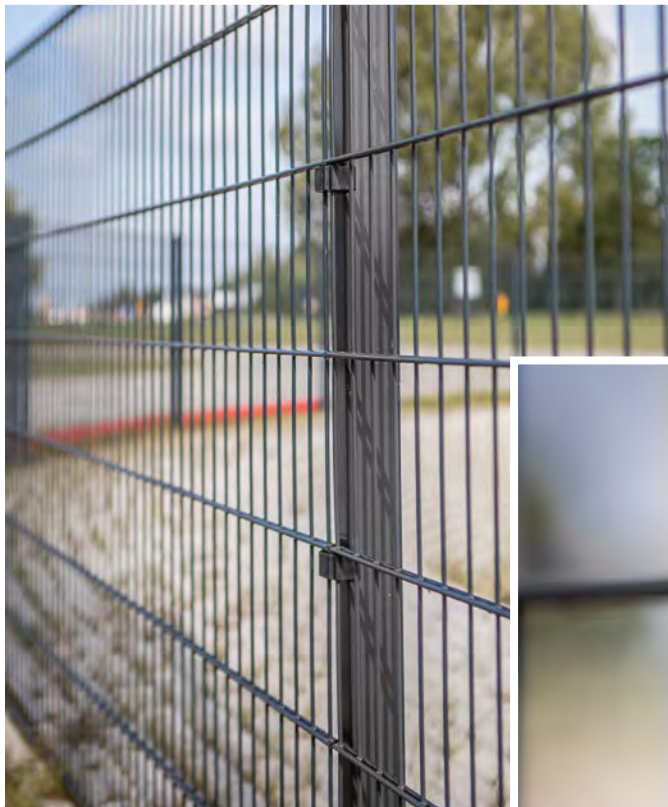
Installation instructions

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

1. In the post, drill Ø11mm hole.
2. Rivet the plastic bracket on the post using rivet nut (standard rivet nut is designed for profile wall between 1 and 2 mm). It is possible to order a custom rivet nut designed for wall between 2 and 4 mm).
3. Hang fencing panels on the installed bracket.
4. Screw the whole fencing using frontward or rearward mounted pressure platen.

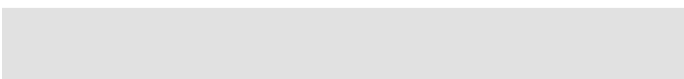
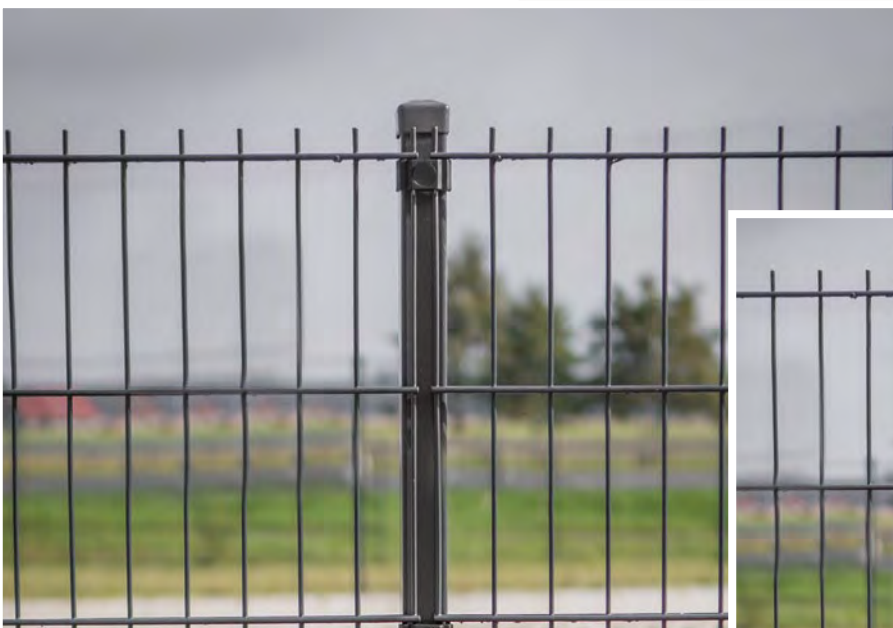
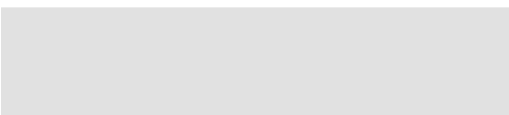
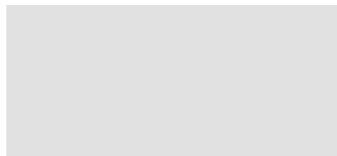
Standard Color



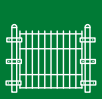


Modern fencing

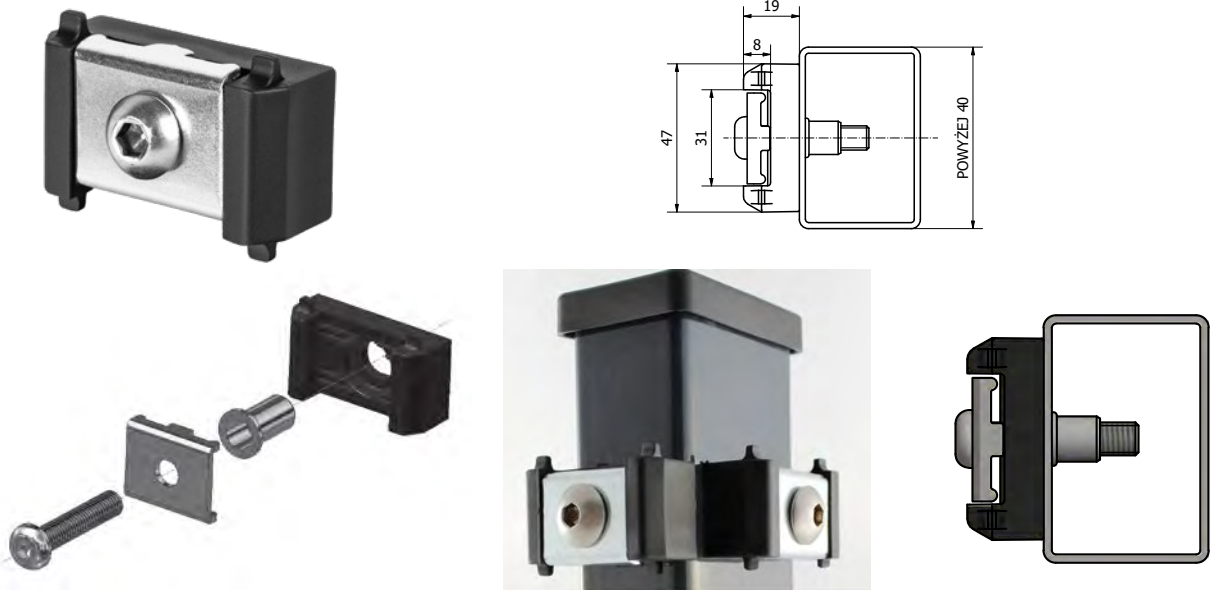
For those who appreciate minimalism and simplicity.



Accessories for installation of fencing panels



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



Accessories for installation of fencing panels

	BOLT M8x40	PRESSURE PLATEN	RIVET NUT	BRACKET
Material:	stainless steel A2	galvanized steel *stainless steel	galvanized steel	polyethylene

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. The mounting is used with fencing panels type: 3D - wire Ø 4,5,6 and type 2D 6/5/6 and 8/6/8. Used in industrial, sports, public and private property fenceings

ART.NO.	TYPE	BRACKET	PRESSURE PLATEN
1930	UMNM 40/PE/OC	polyethylene	galvanized
2161	UMNM 40/PE/A2	polyethylene	stainless steel

* Pressure platen in stainless steel can be ordered.

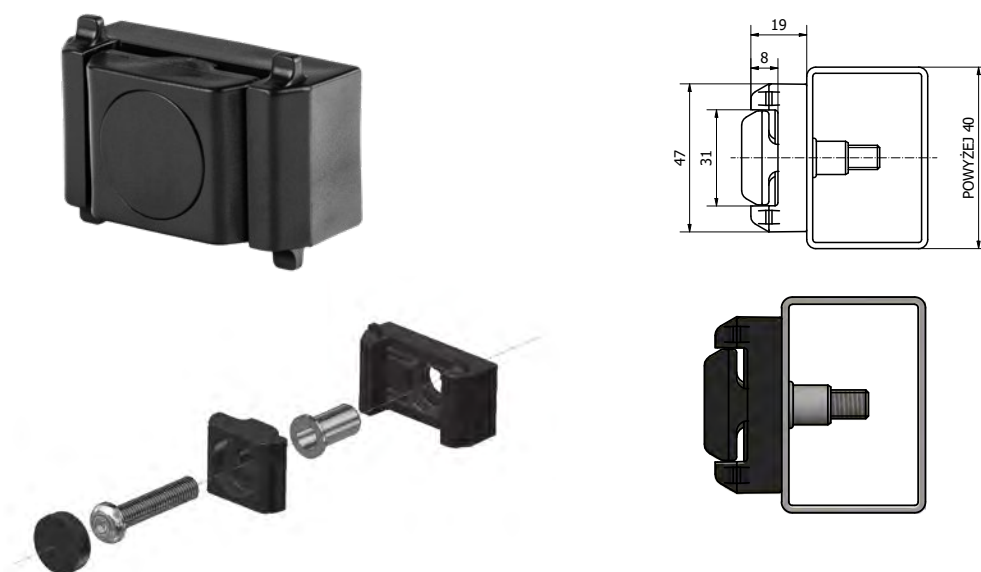
Install mounting corner brackets under each or selected row of single or double, horizontal bars of fencing panel.

1. In the post, drill Ø11mm hole.
2. Rivet the plastic bracket on the post using rivet nut (standard rivet nut is designed for profile wall between 1 and 2 mm). It is possible to order a custom rivet nut designed for wall between 2 and 4 mm).
3. Hang fencing panels on the installed bracket.
4. Screw the whole fencing using frontward or rearward 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: polyethylene	stainless steel A2	polyethylene	galvanized steel	polyethylene

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. The mounting is used with fencing panels type: 3D - wire \varnothing 4,5,6 and type 2D 6/5/6 and 8/6/8. Used in industrial, sports, public and private property fenceings.

ART.NO.	TYPE	BRACKET	PRESSURE PLATEN
1950	UMNT 40/PE/PE	polyethylene	polyethylene

Installation instructions

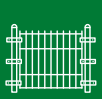
Install mounting brackets under each or selected row of single or double, horizontal bars of fencing panel:

- In the post, drill \varnothing 11mm hole.
- Fasten the bracket on the post by means of a stay. 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).**
- Hang fencing panels on the installed bracket.
- Fix all together frontward or rearward by means of a screw and pressure platen.

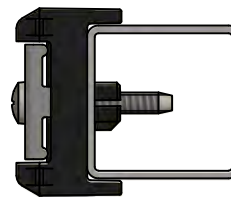
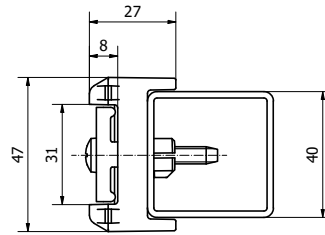
Standard Color

RAL 9005 6005 8028 7016









Mounting expanding bracket for fencing panels with metal tightening pad-plate



SCREW 5,5x38

Accessories for installation of fencing panels

	CROSS-HEAD SCREW 5,5x38	CLAMP	STAY	BRACKET
				
Material:	galvanized steel	galvanized steel *stainless steel	polyethylene	polyethylene

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	BRACKET	CLAMP
3160	UMMR 40/PE/OC	polyethylene	galvanized
3162	UMMR 40/PE/A2	polyethylene	stainless steel

* Pressure platen in stainless steel can be ordered.

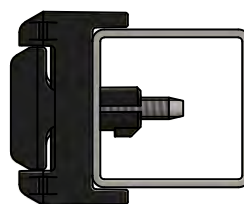
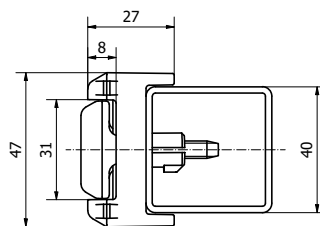
The mounting brackets are mounted under each or selected row of single or double horizontal fencing panel bars:

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 expanding bracket for fencing panels with plastic tightening pad-plate



	HOLE PLUG	CROSS-HEAD SCREW 5,5x38	CLAMP	STAY	BRACKET
Material:	polyethylene	galvanized steel	polyethylene	polyethylene	polyethylene

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.NO.	TYPE	BRACKET	CLAMP
3164	UMTR 40/PE/PE	polyethylene	polyethylene

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





GROUP UMNMR

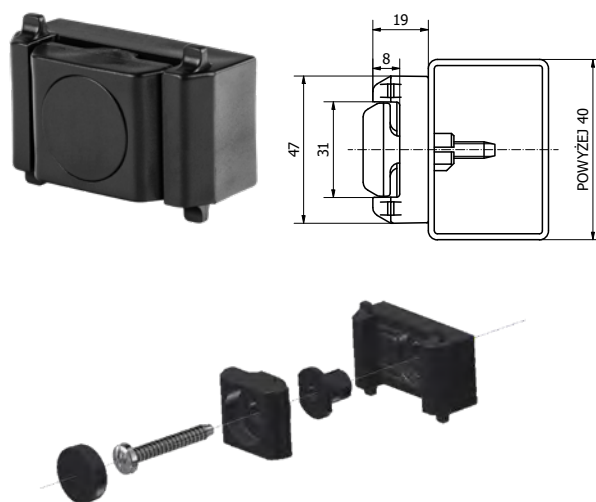
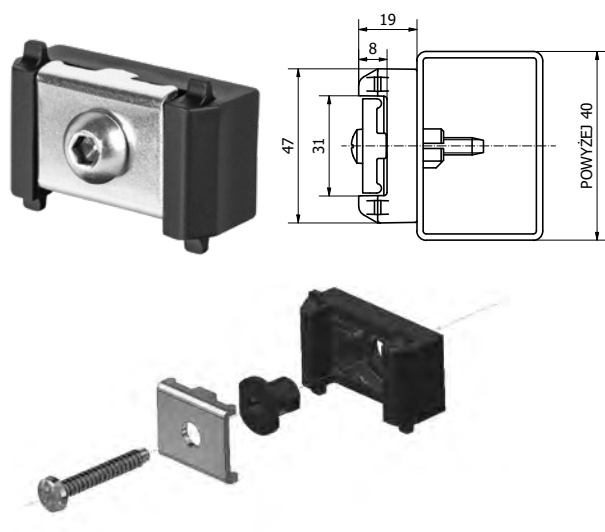
Corner Mounting Brackets

GROUP UMNTR

Corner Mounting Brackets

Corner mounting expanding bracket for fencing panels with metal tightening pad-plate

Corner mounting expanding bracket for fencing panels with plastic tightening pad-plate



PLUG TYPE: UMNTR	CROSS-HEAD SCREW 5,5x38 TYPE: UMNMR i UMNTR	CLAMP TYPE: UMNMR UMNTR	STAY TYPE: UMNMR i UMNTR	BRACKET TYPE: UMNMR i UMNTR
Material: polyethylene	galvanized steel	galvanized steel *stainless steel Polietylen	polyethylene	polyethylene

Install mounting corner brackets on all corner fencing posts. Brackets can be used on posts wider than 40mm, too. The mounting is used with fencing panels type: 3D - wire Ø 4,5,6 and type 2D 6/5/6 and 8/6/8. Widely used in industrial, sports, public and private property fenceings.

ART.NO.	TYPE	BRACKET	CLAMP	ART.NO.	TYPE	BRACKET	CLAMP
3166	UMNMR 40/PE/OC	polyethylene	galvanized steel	3170	UMNTR 40/PE/PE	polyethylene	polyethylene
3168	UMNMR 40/PE/A2	polyethylene	stainless steel				

* Pressure platen in stainless steel can be ordered.

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



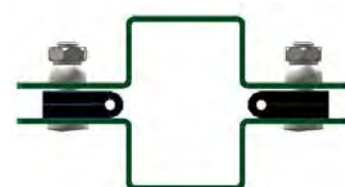
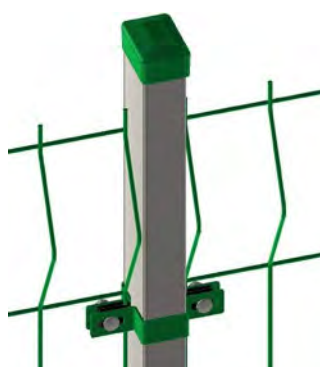
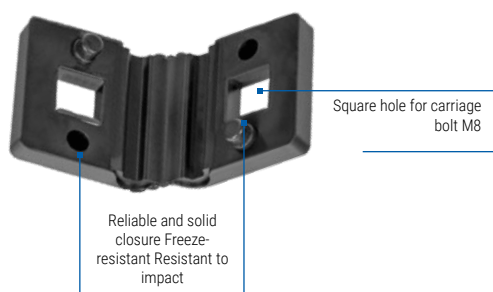
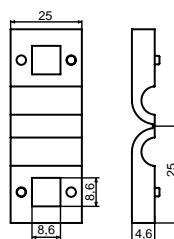


Accessories to be picked on customer's own

NR ART.	TYP	NAME	MATERIAL	
3172	UM/PE	Mounting bracket for UM	polyethylene	
3174	UMN/PE	Mounting corner bracket for UM	polyethylene	
3176	UMR/PE	Mounting bracket for stay for UM	polyethylene	
3178	UMNR/PE	Mounting corner bracket for stay for UM	polyethylene	
3180	Rivet nut L19 from śc. 1-2 to UM	Rivet nut	galvanized steel	
3181	Rivet nut L21 from 2,5-4,0 to UM			
3182	DM/UM/OC	Metal pressure platen for UM	galvanized steel	
3183	DM/UM/A2		galvanized steel	
3184	DT/UM/PE	Plastic pad-plate with masking cap for UM	polietylen	
3186	DTW/UM/PE	Docisk z tworzywa z maskownicą do UM Plastic pad-plate with masking cap for UM for self-drilling screw 6,3x38	polyethylene	
3188	R/UMR/PE	Stay for UMR	polyethylene	
3190	Bolt M8x40 do UM	Bolt M8x40 for UM	galvanized steel A2	
3191	screw 5,5 x38 do UMR	Phillips head screw 5,5x38 for UMR	galvanized steel	
3192	screw 6,3x38 do UM	Self-drilling screw 6,3x38 for UM	galvanized steel	



Plastic pad for panel clamp



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

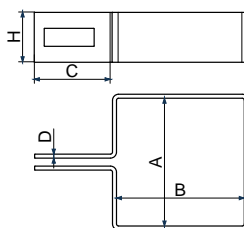




GROUP OK

Endschellen End clamps

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
3283	OK70 x 70/OC	70x70	Galvanized	2,0	25,0	41,0
3284	OK70 x 70/MAL	70x70	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	OK100 x 100/OC	100x100	Galvanized	1,9	25,0	39,0
3086	OK100 x 100/MAL	100x100	Painted	1,9	25,0	39,0

Material: steel, galvanized.

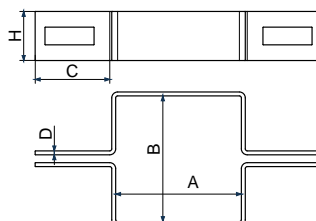
Standard Color

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
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

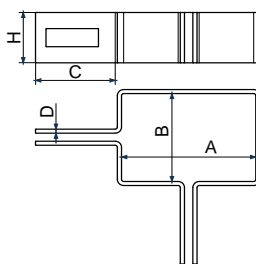




GROUP ON

Corner clamps

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

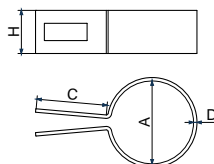
RAL 9005 6005 7016



GROUP OK

Obejmy końcowe

End clamp



ART.NO.	TYPE	A 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

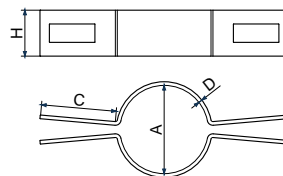




GROUP OP

Intermediate clamps

Intermediate clamp



ART.NO.	TYPE	A POST	COATING	D [mm]	H [mm]	C [mm]
3150	OP38/OC	Ø38	Galvanized	2,0	25,0	41,0
3151	OP38/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
3279	OP75/OC	Ø75	Galvanized	2,0	25,0	41,0
3282	OP75/MAL	Ø75	Painted	2,0	25,0	41,0

Material: steel, galvanized.

Standard Color

RAL 9005 6005 7016



GRUPA UU

Plastic universal grips

Plastic universal grips



Self-drilling screw 4,8x15 (2 pcs.)

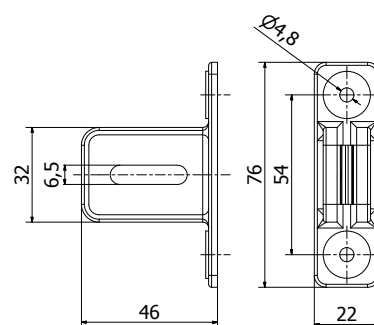


Hex bolt M6x20



Rectangular washer (2 pcs.)

Nut M6



ART.NO.	TYPE
3557	UUT

Note: the product includes complete set of bolts, washers and installation screws
Material: polyethylene.

Use:

- ▶ fixing of fencing panel with wire Ø4, Ø5, without using plastic pad for panel clamp.
- ▶ universal grip mounted on initial or end post and corner posts.

Standard Color

RAL 9005 7040 6005 8028 7016





GROUP UU

Universal grips

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



GROUP BOLT

Fixing bolts

Fixing bolt/Nut



Carriage bolt

Nut M8

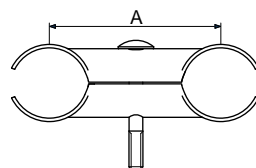
Shear nut

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 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.



Intermediate clamp for temporary fences



ART.NO.	TYPE	COLOR	POST [mm]	REMARKS	A [mm]
1249	OPP/OC. GAL.	Galvanized	Ø42 Ø48	Bolt not included	100
2142	OPP/OC. OGN.	Hot-dip galvanized	Ø42 Ø48	Bolt not included	100

Material: galvanized or hot-dip galvanized steel.

Clip for panel fence



Auxiliary clip



Clip



Clip1/2



Arch connector + screw



ART.NO.	TYPE	COATING	WIRE Ø
1120	Auxiliary clip /A2	Stainless steel	4,5,6,8
1121	Auxiliary clip /A2 MAL	Stainless steel painted	4,5,6,8
1122	Clip/OC	Galvanized	3,4,5
1123	Clip/MAL	Painted	3,4,5
1131	Clip 1/2/OC	Galvanized	3,4,5
1132	Clip 1/2/MAL	Painted	3,4,5
3237	Connector/OC + screw 5,5x32	Galvanized	3,4,5,6
3238	Connector /MAL + screw 5,5x32	Painted	3,4,5,6

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 lub M8 x 100
TYPE 3



ART.NO.	TYPE	COATING	FOR WIRE Ø
1124	Metal clip screwed, bolt-fixed TYPE1	Stainless steel	4, 5
1130	Metal clip screwed, bolt-fixed TYPE2	Hot-dip galvanized + stainless steel bolts	3, 4, 5, 6
3281	Metal clip screwed, bolt-fixed TYPE2	Painted + stainless steel bolts	3, 4, 5, 6
1210	Hook bolt M8 x 80 for post 40x60 TYPE3	Stainless steel	4, 5, 6, 8
3492	Hook bolt M8 x 100 for post 40x80 TYPE3	Stainless steel	4, 5, 6, 8

Material: galvanized or stainless steel.

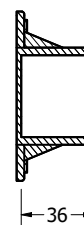
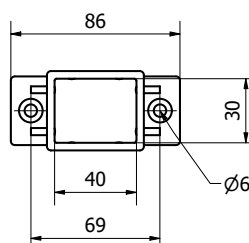
Note: hook bolt of other length can be ordered.

GROUP SPAN

Span connectors

NEW

Span connector for horizontal fencings gate profil 40x30



ART.NO.	TYPE
3252	Span connectors 40x30

Material: polyethylene.

Standard Color
RAL 9005

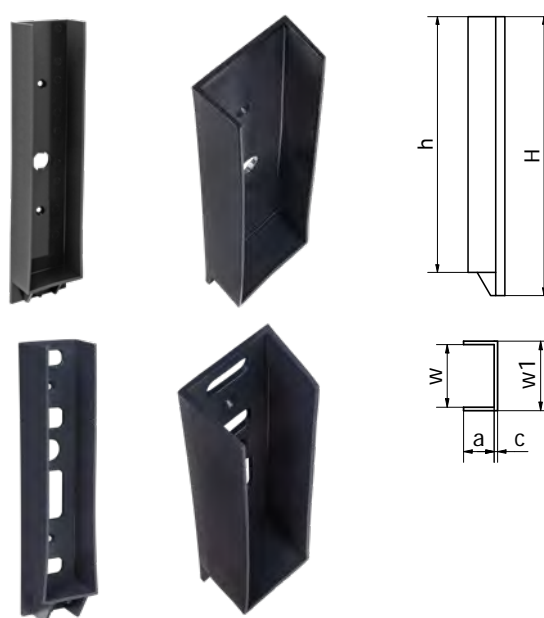




Plastic bracket for foundation



Corner plastic bracket for foundation



ART.NO.	TYPE	h [mm]	W [mm]	w1 [mm]	a [mm]	c [mm]	H [mm]
3576	MPT42x200x35	195	44	61	34	3	215
4006	MPT50x200x30	195	52	61	31	3	215
3493	MPT50x250x30	245	52	61	31	3	265
4007	MPT57x200x33	195	59	61	33	3	215
4008	MPT57x300x33	295	59	61	33	3	315

ART.NO.	TYPE	h [mm]	W [mm]	w1 [mm]	a [mm]	c [mm]	H [mm]
3577	MPT/N42x200x35	195	44	49	34	3	215
4009	MPT/N50x200x30	195	52	58,5	31	3	215
3569	MPT/N50x250x30	245	52	58,5	31	3	265
4010	MPT/N57x200x33	195	59	67	33	3	215
4011	MPT/N 57x300x33	295	59	67	33	3	315

Material: polyethylene.

Properties:

- ▶ designed for concrete foundations of various widths,
- ▶ innovative design allows mounting to be levelled quickly against fencing post,
- ▶ durability and resistance to corrosion compared to metal counterparts,
- ▶ high resistance to mechanical damages,
- ▶ exceptional resistance to weather conditions (UV radiation, frost resistance),
- ▶ stable holding of concrete slab.
- ▶ simple and quick installation,
- ▶ consistent appearance of foundation mounting with plastic clamp,
- ▶ savings.

Standard Color

RAL 9005 7040 6005 8028 7016 7038





Engineering masterwork
Quick and smooth assembly.



Accessories for installation of fencing panels

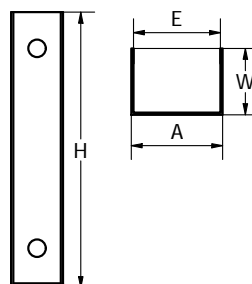


Representatively and coherently
Perfect RAL colour fit to the fence
post.





Plinth plate edging



ART.NO.	TYPE	Internal dimension E [mm]	External dimension A [mm]	H [mm]	W [mm]
3234	OE 33 x 192/OC	33	36	192	30
3144	OE 33 x 192/MAL	33	36	192	30
3654	OE 40 x 200/OC	40	43	200	38
3655	OE 40 x 200/MAL	40	43	200	38
3656	OE 40 x 300/OC	40	43	300	38
3657	OE 40 x 300/MAL	40	43	300	38
3658	OE 40 x 400/OC	40	43	400	38
3659	OE 40 x 400/MAL	40	43	400	38
3235	OE 42 x 192/OC	42	45	192	30
3145	OE 42 x 192/MAL	42	45	192	30
3660	OE 45 x 200/OC	45	48	200	38
3661	OE 45 x 200/MAL	45	48	200	38
3662	OE 45 x 300/OC	45	48	300	38
3663	OE 45 x 300/MAL	45	48	300	38
3399	OE 50 x 200/OC	52 - 53	55 - 56	200	42
3547	OE 50 x 200/MAL	52 - 53	55 - 56	200	42
3398	OE 50 x 250/OC	52 - 53	55 - 56	250	42
3458	OE 50 x 250/MAL	52 - 53	55 - 56	250	42
3232	OE 50 x 300/OC	52 - 53	55 - 56	300	42
3575	OE 50 x 300/MAL	52 - 53	55 - 56	300	42
3664	OE 55 x 200/OC	57 - 58	60 - 61	200	39
3665	OE 55 x 200/MAL	57 - 58	60 - 61	200	39
3562	OE 55 x 250/OC	57 - 58	60 - 61	250	39
3298	OE 55 x 250/MAL	57 - 58	60 - 61	250	39
3666	OE 55 x 300/OC	57 - 58	60 - 61	300	39
3667	OE 55 x 300/MAL	57 - 58	60 - 61	300	39
3236	OE 60 x 192/OC	60	63	192	40
3146	OE 60 x 192/MAL	60	63	192	40



ART.NO.	TYPE	Internal dimension E [mm]	External dimension A [mm]	h [mm]	W [mm]
3668	OE 60 x 200/OC	62 - 63	65 - 66	200	37
3669	OE 60 x 200/MAL	62 - 63	65 - 66	200	37
3670	OE 60 x 250/OC	62 - 63	65 - 66	250	37
3671	OE 60 x 250/MAL	62 - 63	65 - 66	250	37
3560	OE 60 x 300/OC	62 - 63	65 - 66	300	37
3561	OE 60 x 300/MAL	62 - 63	65 - 66	300	37

Material: steel, galvanized.

/OC - galvanized

/MAL - galvanized + painted in selected RAL colour

Properties:

- ▶ used for fixing concrete foundations between fencing posts.

Standard Color

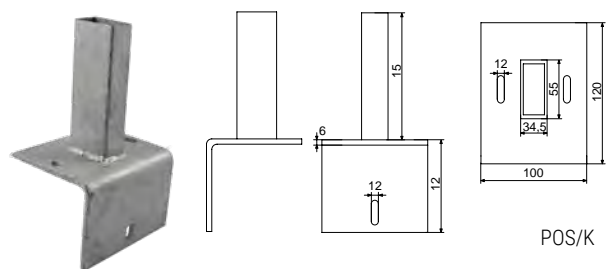
RAL 9005 6005 7016



GROUP POS

Feet for post

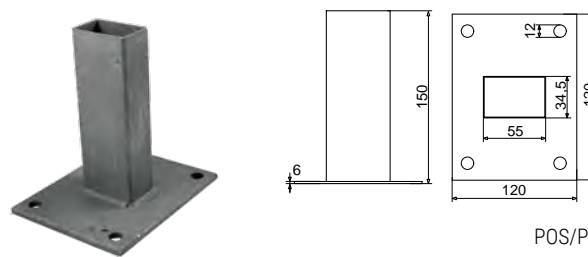
Angular foot for post



POS/K

ART.NO.	TYPE
1154	POS/K

Plane foot for post



POS/P

ART.NO.	TYPE
1155	POS/P

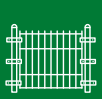
Material: hot-dip galvanized steel.

Eigenschaften: Properties:

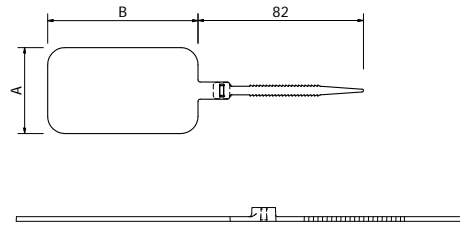
- ▶ foot enables fixing of fencing post on hardened and levelled surfaces,
- ▶ after fixing on the ground, on the protruding profile a post made from tubing 40x60x2 can be inserted and protected using self-drilling screw.

Use:

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



Label for product labeling



ART.NO.	TYPE	DIMENSIONS A x B
1145	ET 28/74	28 x 74
1146	ET 45/74	45 x 74
3391	ET 45/30	45x30

Material: polyethylene or polypropylene – as ordered.

Use:

- ▶ label can be delivered in any shape and size.
- ▶ imprints can be provided using various methods: engraving, pad printing, sticker.

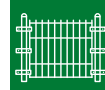
Remarks:

- ▶ Visible and aesthetic marking of goods on pallets, storage shelves. Use of various colours of labels products to be distinguished easily for sizes or models.

Standard Color

RAL 9005 3020 5010 1018 6018

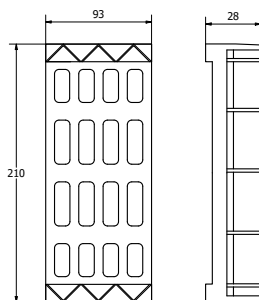
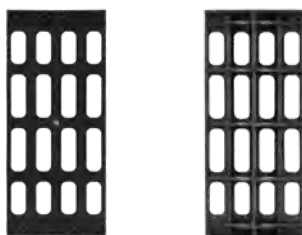




GROUP PTP

Spacers for

Spacer for fence panels transportation



ART.NO.	TYPE
1147	PTP

Material: polypropylene.

Use:

► for transportation of 3D fencing panels. Mesh size 50x200 mm.

Standard Color
RAL 9005

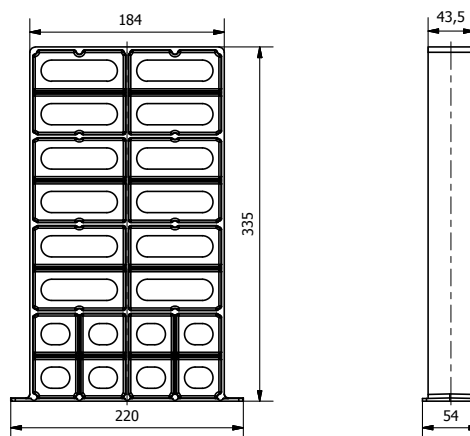
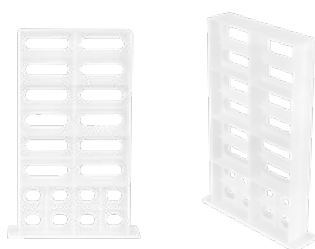


GROUP WZP

Spacers for

NEW

2D panel protection insert against shifting during transport



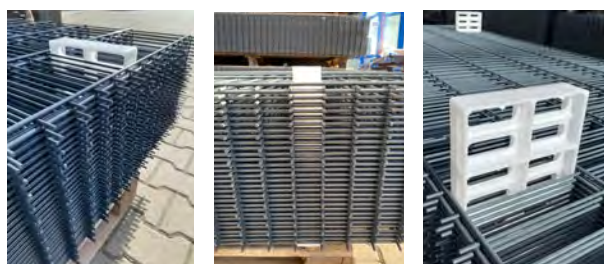
ART.NO.	TYPE
4347	WZP/2D/NAT

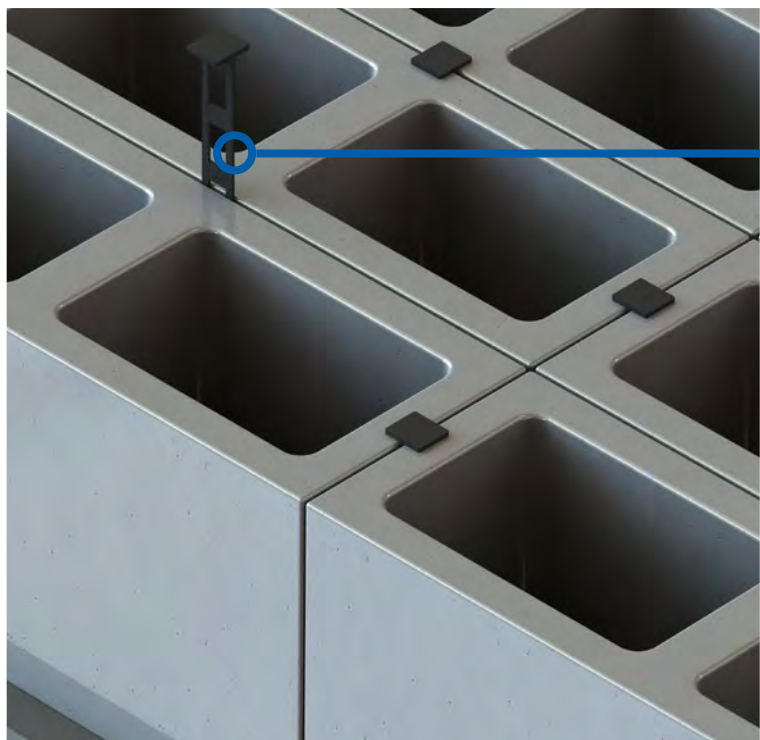
Material: polypropylene.

Zastosowanie:

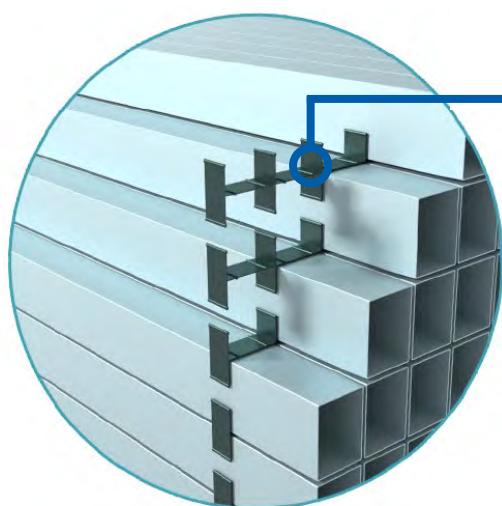
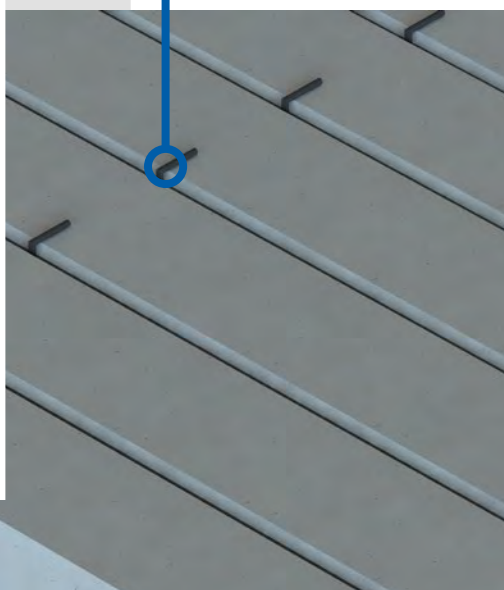
- the warehouse of producer of fencing panels is kept in order,
- safe and stable transport of 2D fencing panels,
- protection of fencing panels against movement during transport,
- correct transport of the fencing panels from the dealer's warehouse to the final recipient, even in small quantities.

Standard Color
RAL 9005 natural

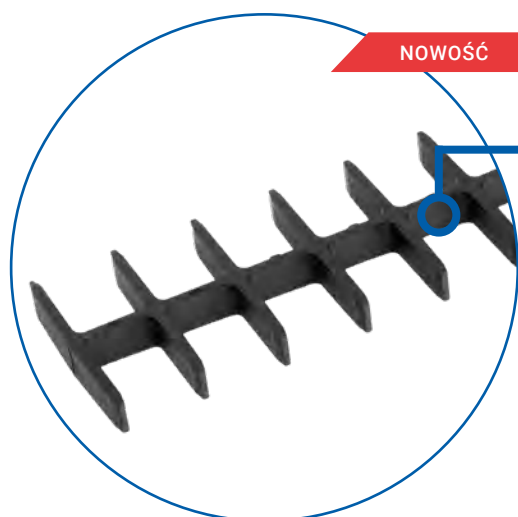




Spacers for transportation of hollow bricks and concrete slabs.



Spacer for transportation of fencing profiles and posts.



NOWOŚĆ

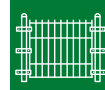
A specially designed spacer shape which ensures separation of profiles in all planes. Smooth surface of the spacer provides protection from deformation, corrosion or scratching of profiles.

Properties:

- ▶ flexible spacers protect fencing profiles and painted fencing posts from scratches and damages during transportation.
- ▶ facilitate placing of products on a pallet and their binding,
- ▶ prevent deformation of posts when packing and storing.

Use:

used by manufacturers of fencing profiles and posts.

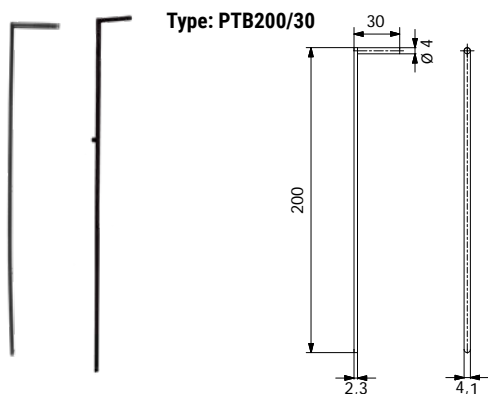


GRUPA PT

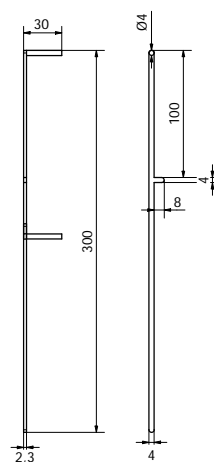
Spacers transportation

NEW

Spacer for concrete slabs



Type: PTB300/30



ART.NO.	TYPE
3244	PTB200/30
4133	PTB300/30

Material: polypropylene.

Standard Color
RAL 9005

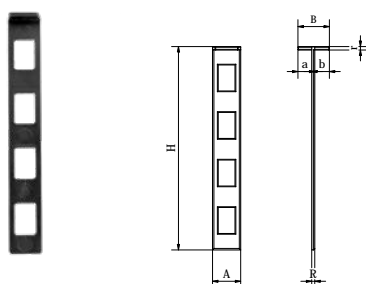


GRUPA PT

Spacers transportation

NEW

Spacer for hollow brick



ART.NO.	TYPE	A [mm]	B [mm]	H [mm]	R [mm]	r [mm]	a [mm]	b [mm]	REMARKS
3390	PTPS16/140/16/gr.2/CZ	19,5	35,3	140	2,1	2,4	16,8	16,4	BLACK* (dirty)
4114	PTPS16/140/16/gr.2/NAT	19,5	35,3	140	2,1	2,4	16,8	16,4	NATURAL (non-soiling)
4346	PTPS12/140/12/gr.5/CZ	19,0	29,3	143,7	4,8	2,3	12,4	12,4	BLACK* (dirty)
4345	PTPS12/140/12/gr.5/NAT	19,0	29,3	143,7	4,8	2,3	12,4	12,4	NATURAL (non-soiling)

Material: polypropylene.

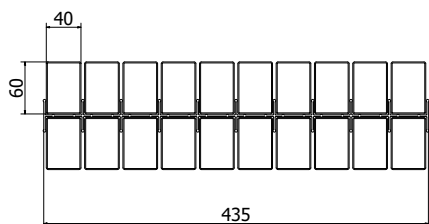
*Note: Black RAL 9005 spacer may leave black marks on light concrete products.

Standard Color
RAL 9005 natural





Spacer for posts transportation – cross-shaped Type A



ART.NO.	TYPE
1149	PT 40/10/A

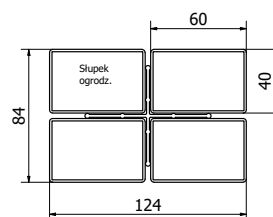
Material: polypropylene.

Properties: placement of 10 posts in a single row of 40 mm in width.

Standard Color
RAL 9005



Spacer for posts transportation – cross-shaped



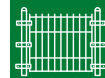
ART.NO.	TYPE
1148	PT 40/4

Material: polypropylene.

Properties: placement of 4 posts 60x40 mm.

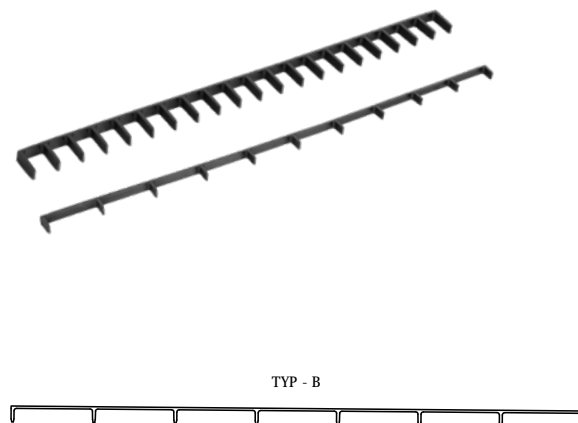
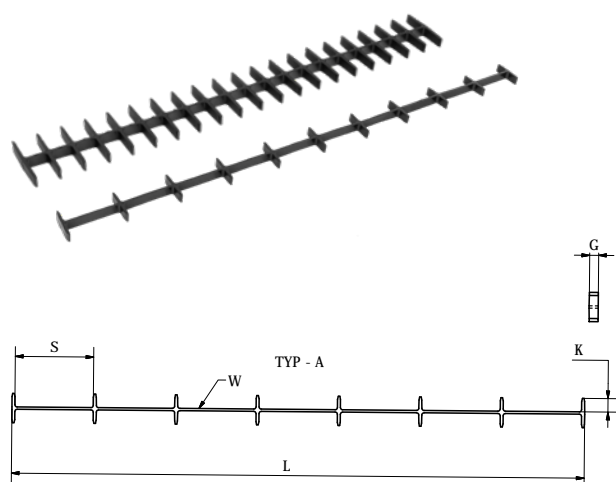
Standard Color
RAL 9005





Spacer for posts transportation – cross-shaped Type A

Spacer for posts transportation – comb-shaped Type B



W - number of sections in the spacer

G - the width of the spacer

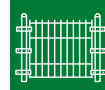
ART.NO.	TYPE	S [mm]	W [mm]	K [mm]	G [mm]	L [mm]	TYPE
4070	PT 20/20/A	20	20	28,5	12	490	A
4071	PT 20/20/B	20	20	28,5	12	490	B
4348	PT 40/12/A	40	12	17	12	535	A
4349	PT 40/12/B	40	12	17	12	535	B
4350	PT 50/10/A	50	10	17	12	548	A
4351	PT 50/10/B	50	10	17	12	548	B
3634	PT 60/10/A	60	10	17	12	645	A
4069	PT 60/10/B	60	10	17	12	645	B
4352	PT 70/7/A	70	7	17	12	524	A
4353	PT 70/7/B	70	7	17	12	524	B
4354	PT 100/7/A	100	7	17	12	733	A
4355	PT 100/7/B	100	7	17	12	733	B

Stoff: Polypropylen

Standard Color
RAL 9005

A photograph of a modern outdoor terrace. In the foreground, there is a dark grey rectangular planter box filled with white daisies. To the left of the planter is a white metal decorative lamp. To the right is a black metal mesh chair. In the center, a tall, slender, silver metal lamp post stands on a gravel base. The background features a dark grey fence with a horizontal band of lighter grey panels. Behind the fence is a dense green hedge. The scene is set on a concrete terrace with a green lawn in the background.

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



Fence strip

NEW

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.

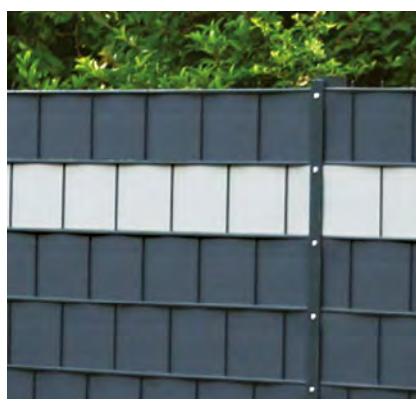
One package contains 10x clips.

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
1161	TAS/95/A	Fence strip smooth, 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/ clip/190	End clip for strips, width 190 mm	1 package 10 pcs.

Material: polypropylene.

Use: panel systems, mesh fencings, railings.

Properties:

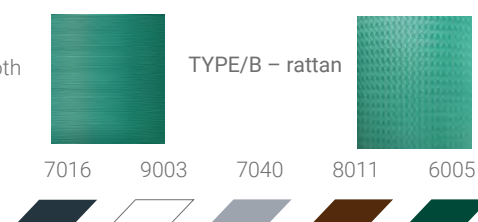
- ▶ innovative, modern fencing shield,,
- ▶ UV-resistant,
- ▶ maintenance-free.

Strip texture:

TYPE/A – smooth

TYPE/B – rattan

Standard Color
RAL



Accessories for sliding and swing gates





Accessories for sliding gates – application scheme

Accessories for cantilever gates



s. 226



s. 208-117



s. 263



s. 233-234



s. 223



s. 222



s. 226



s. 230

Secure cover of gate's carriage

Works well in any weather conditions



**Innovative
Protection**

Protection of gate's carriage against corrosion.

Aesthetic appearance of the gate.

Quick, tool-less installation

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	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 carriage/B	W-06/M W-08/M W-09/M

Material: ABS.

Standard Color
RAL 7016

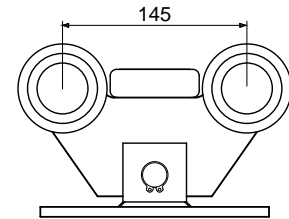




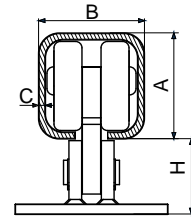
GROUP W-02/M

Carriages for sliding gates

Swinging carriage



ART.NO.	TYPE/ROLLERS	A [mm]	B [mm]	C [mm]	H [mm]	ROLLERS
001	W-02/M 80x80x5/PA	80	80	5	64	Polyamide
002	W-02/M 80x80x4/PA	80	80	4	64	Polyamide
003	W-02/M 70x70x4/PA	70	70	4	69	Polyamide
090	W-02/M 80x80x5/MET	80	80	5	64	Stahl
1170	OZPW/A	Secure cover of gate's carriage*				



Material: galvanized steel.

Gate's capacity 400 kg.

Gate's clear length 3÷5.

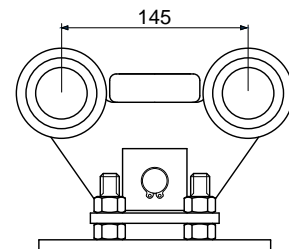
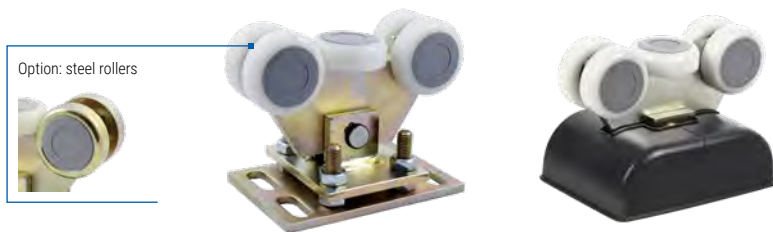
Assembling plate: TYPE "A" – standard p. 217.

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

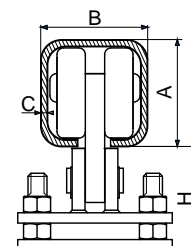
GROUP W-04/M

Carriages for sliding gates

Swinging regulated carriage



ART.NO.	TYPE/ROLLERS	A [mm]	B [mm]	C [mm]	H [mm]	ROLLERS
004	W-04/M 80x80x5/PA	80	80	5	90-110	Polyamide
005	W-04/M 80x80x4/PA	80	80	4	90-110	Polyamide
006	W-04/M 70x70x4/PA	70	70	4	95-115	Polyamide
091	W-04/M 80x80x5/MET	80	80	5	90-110	Stahl
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.

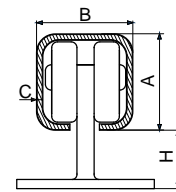
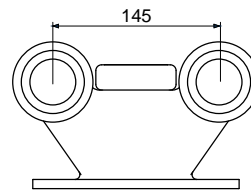
Assembling plate: TYPE "B" – option p. 217.

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

GROUP W-05/M

Carriages for sliding gates

Steady carriage



ART.NO.	TYPE/ROLLERS	A [mm]	B [mm]	C [mm]	H [mm]	ROLLERS
007	W-05/M 80x80x5/PA	80	80	5	53	Polyamide
008	W-05/M 80x80x4/PA	80	80	4	53	Polyamide
009	W-05/M 70x70x4/PA	70	70	4	58	Polyamide
092	W-05/M 80x80x5/MET	80	80	5	53	Stahl

Material: galvanized steel.

Gate's capacity 400 kg.

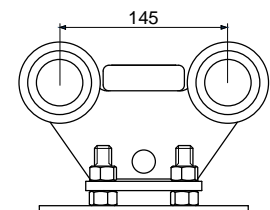
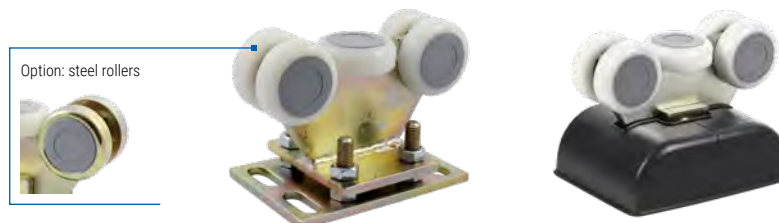
Gate's clear length 3–5 mb.

Assembling plate: TYPE "A" – standard. s. 217.

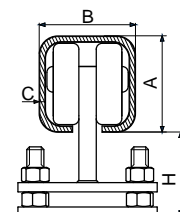
GROUP W-06/M

Carriages for sliding gates

Steady regulated carriage



ART.NO.	TYPE/ROLLERS	A [mm]	B [mm]	C [mm]	H [mm]	ROLLERS
010	W-06/M 80x80x5/PA	80	80	5	73–93	Polyamide
011	W-06/M 80x80x4/PA	80	80	4	73–93	Polyamide
012	W-06/M 70x70x4/PA	70	70	4	78–98	Polyamide
093	W-06/M 80x80x5/MET	80	80	5	73–93	Stahl
1171	OZPW/B					Secure cover of gate's carriage*



Material: galvanized steel.

Gate's capacity 400 kg.

Gate's clear length 3–5 mb.

Assembling plate: TYPE "A" – standard.

Assembling plate: TYPE "B" – option p. 217.

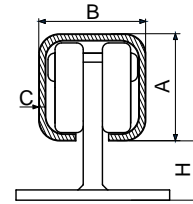
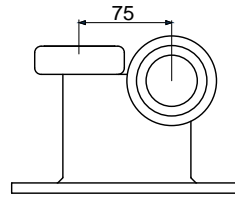
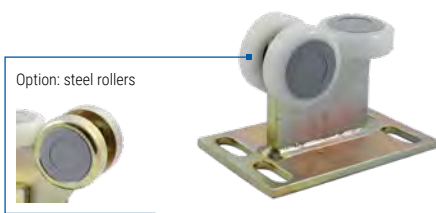
* Carriage sold without secure cover. It is recommended to install secure cover made of ABS.



GROUP W-07/M

Carriages for sliding gates

Steady carriage



ART.NO.	TYPE/ROLLERS	A [mm]	B [mm]	C [mm]	H [mm]	ROLLERS
013	W-07/M 80x80x5/PA	80	80	5	53	Polyamide
014	W-07/M 80x80x4/PA	80	80	4	53	Polyamide
015	W-07/M 70x70x4/PA	70	70	4	58	Polyamide
094	W-07/M 80x80x5/MET	80	80	5	53	Stahl

Material: galvanized steel.

Gate's clear length

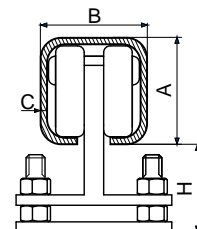
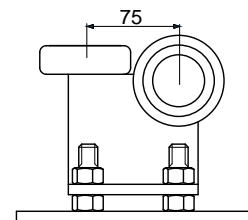
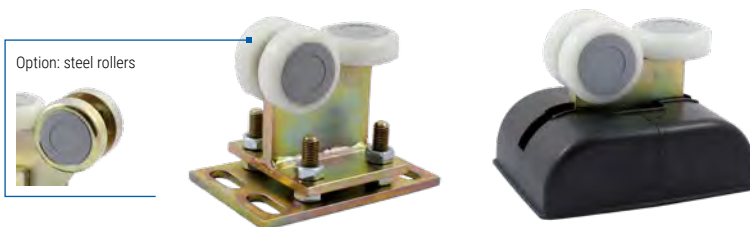
Gate's clear length 3–4 mb.

Assembling plate: TYPE "A" – standard. s. 217.

GROUP W-08/M

Carriages for sliding gates

Steady regulated carriage



ART.NO.	TYPE/ROLLERS	A [mm]	B [mm]	C [mm]	H [mm]	ROLLERS
016	W-08/M 80x80x5/PA	80	80	5	73–93	Polyamide
017	W-08/M 80x80x4/PA	80	80	4	73–93	Polyamide
018	W-08/M 70x70x4/PA	70	70	4	78–98	Polyamide
095	W-08/M 80x80x5/MET	80	80	5	73–93	Stahl
1171	OZPW/B					Secure cover of gate's carriage*

Material: galvanized steel.

Gate's capacity 180 kg.

Gate's clear length 3–4 mb.

Assembling plate: TYPE "A" – standard.

Assembling plate: TYPE "B" – option p. 217.

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



GROUP W-09/M

Carriages for sliding gates

Swinging regulated carriage

Option: steel rollers

ART.NO.	TYPE/ROLLERS	A [mm]	B [mm]	C [mm]	H [mm]	ROLLERS	
150	W-09/M 80x80x5/PA	80	80	5	85-105	Polyamide	
151	W-09/M 80x80x4/PA	80	80	4	85-105	Polyamide	
152	W-09/M 70x70x4/PA	70	70	4	90-110	Polyamide	
096	W-09/M 80x80x5/MET	80	80	5	85-105	Stahl	
1171	OZPW/B	Secure cover of gate's carriage*					

Material: galvanized steel.

Gate's capacity 600 kg.

Gate's clear length 4,5-7 mb.

Assembling plate: TYPE "A" - standard.

Assembling plate: TYPE "B" - option p. 217.

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

Carriages of strengthened construction

GROUP W-02

Carriages for sliding gates

Swinging carriage

Option: steel rollers

ART.NO.	TYPE/ROLLERS	A [mm]	B [mm]	C [mm]	H [mm]	ROLLERS
019	W-02 80x80x5/PA	80	80	5	67	Polyamide
020	W-02 80x80x4/PA	80	80	4	67	Polyamide
021	W-02 100x90x4/PA	100	90	4	57	Polyamide
085	W-02 100x90x5/PA	100	90	5	57	Polyamide
099	W-02 80x80x5/MET	80	80	5	67	Stahl

Material: galvanized steel.

Gate's capacity 400 kg.

Gate's clear length 4-6 mb.

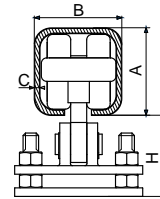
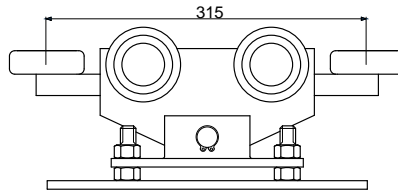
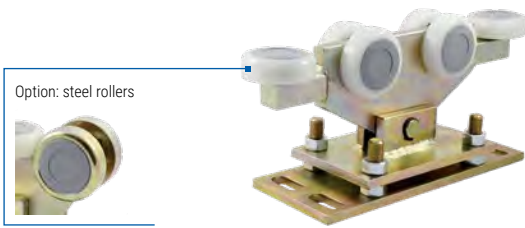
Assembling plate: TYPE "B" - option p. 217..



GROUP W-03

Carriages for sliding gates

Swinging regulated carriage



ART.NO.	TYPE/ROLLERS	A [mm]	B [mm]	C [mm]	H [mm]	ROLLERS
166	W-03 80x80x5/PA	80	80	5	93-109	Polyamide
167	W-03 80x80x4/PA	80	80	4	93-109	Polyamide
168	W-03 100x90x4/PA	100	90	4	83-99	Polyamide
086	W-03 100x90x5/PA	100	90	5	83-99	Polyamide
169	W-03 80x80x5/MET	80	80	5	93-109	Stahl

Material: galvanized steel.

Gate's capacity 400 kg.

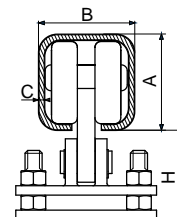
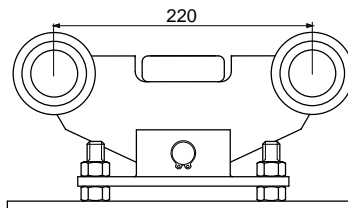
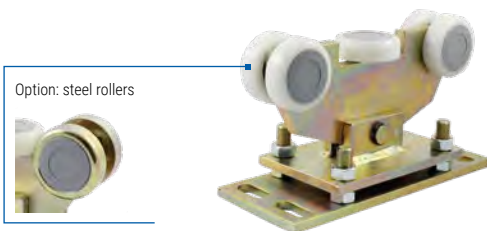
Gate's clear length 4-6 mb.

Assembling plate: TYPE "B" – option p. 217.

GROUP W-04

Carriages for sliding gates

Swinging regulated carriage



ART.NO.	TYPE/ROLLERS	A [mm]	B [mm]	C [mm]	H [mm]	ROLLERS
023	W-04 80x80x5/PA	80	80	5	93-109	Polyamide
024	W-04 80x80x4/PA	80	80	4	93-109	Polyamide
026	W-04 100x90x4/PA	100	90	4	83-99	Polyamide
087	W-04 100x90x5/PA	100	90	5	83-99	Polyamide
100	W-04 80x80x5/MET	80	80	5	93-109	Stahl

Material: galvanized steel.

Gate's capacity 400 kg.

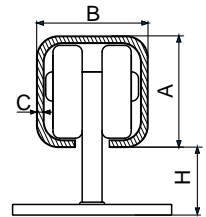
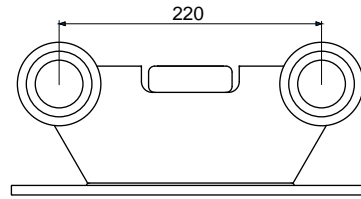
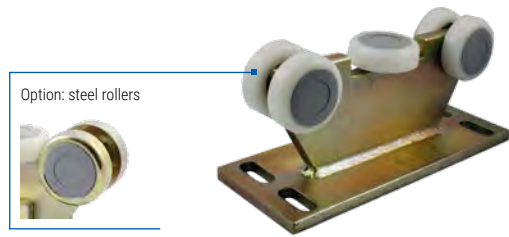
Gate's clear length 4-6 mb.

Assembling plate: TYPE "B" – option p. 217.

GROUP W-05

Carriages for sliding gates

Steady carriage



ART.NO.	TYPE/ROLLERS	A [mm]	A [mm]	C [mm]	H [mm]	ROLLERS
027	W-05 80x80x5/PA	80	80	5	63	Polyamide
028	W-05 80x80x4/PA	80	80	4	63	Polyamide
030	W-05 100x90x4/PA	100	90	4	53	Polyamide
101	W-05 80x80x5/MET	80	80	5	63	Stahl

Material: galvanized steel.

Gate's capacity 400 kg.

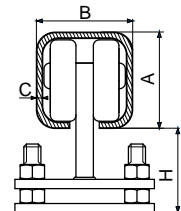
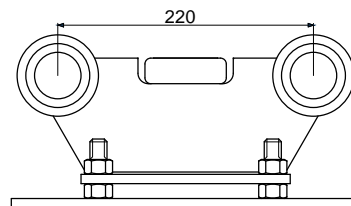
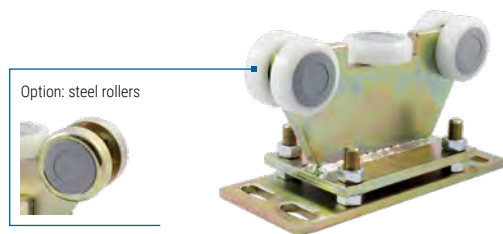
Gate's clear length 4–6 mb.

Assembling plate: TYPE "B" – option p. 217.

GROUP W-06

Carriages for sliding gates

Steady regulated carriage



ART.NO.	TYPE/ROLLERS	A [mm]	B [mm]	C [mm]	H [mm]	ROLLERS
031	W-06 80x80x5/PA	80	80	5	89–105	Polyamide
032	W-06 80x80x4/PA	80	80	4	89–105	Polyamide
034	W-06 100x90x4/PA	100	90	4	77–95	Polyamide
102	W-06 80x80x5/MET	80	80	5	89–105	Stahl

Material: galvanized steel.

Gate's capacity 400 kg.

Gate's clear length 4–6 mb.

Assembling plate: TYPE "B" – option p. 217.

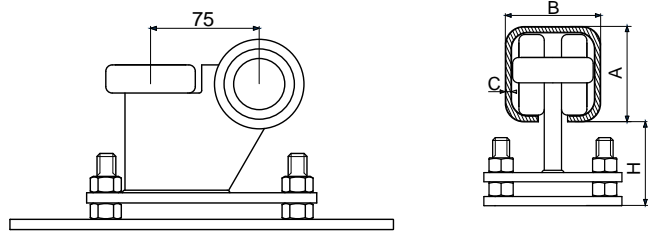
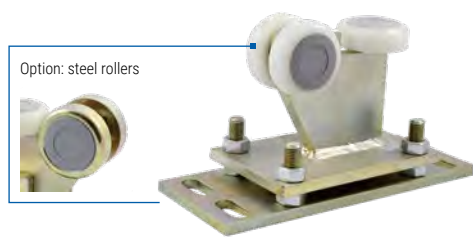


GROUP W-08

Carriages for sliding gates

Steady regulated carriage

Steady regulated carriage



ART.NO.	TYPE/ROLLERS	A [mm]	B [mm]	C [mm]	H [mm]	ROLLERS
035	W-08 80x80x5/PA	80	80	5	89-105	Polyamide
036	W-08 80x80x4/PA	80	80	4	89-105	Polyamide
037	W-08 70x70x4/PA	70	70	4	94-110	Polyamide
103	W-08 80x80x5/MET	80	80	5	89-105	Stahl

Material: galvanized steel.

Gate's capacity 400 kg.

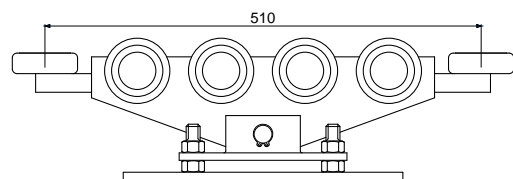
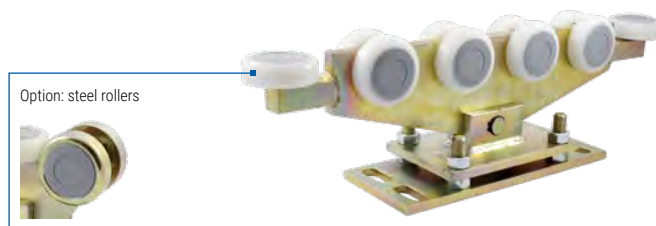
Gate's clear length 3-5 mb.

Assembling plate: TYPE "B" - option p. 217.

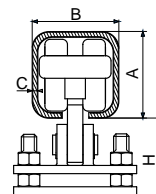
GROUP W-09

Carriages for sliding gates

Swinging regulated carriage



ART.NO.	TYPE/ROLLERS	A [mm]	B [mm]	C [mm]	H [mm]	ROLLERS
038	W-09 80x80x5/PA	80	80	5	93-109	Polyamide
039	W-09 80x80x4/PA	80	80	4	93-109	Polyamide
040	W-09 100x90x4/PA	100	90	4	83-99	Polyamide
088	W-09 100x90x5/PA	100	90	5	83-99	Polyamide
104	W-09 80x80x5/MET	80	80	5	93-109	Stahl



Material: galvanized steel.

Gate's capacity 800 kg.

Gate's clear length 6-10 mb.

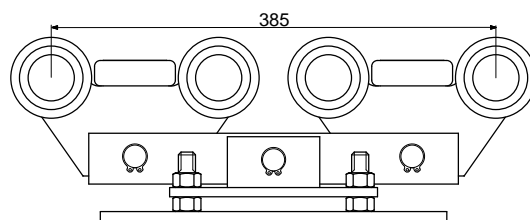
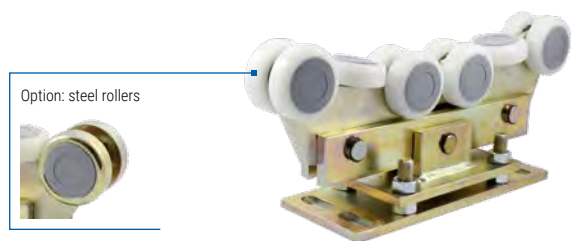
Assembling plate: TYPE "B" - option p. 217.



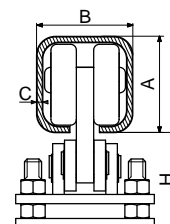
GROUP W-12

Carriages for sliding gates

Double swinging regulated carriage



ART.NO.	TYPE/ROLLERS	A [mm]	B [mm]	C [mm]	H [mm]	ROLLERS
105	W-12 80x80x5/PA	80	80	5	110-130	Polyamide
106	W-12 80x80x4/PA	80	80	4	110-130	Polyamide
107	W-12 70x70x4/PA	70	70	4	115-135	Polyamide
108	W-12 80x80x5/MET	80	80	5	110-130	Stahl



Material: galvanized steel.

Gate's capacity 800 kg.

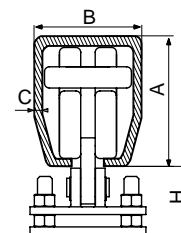
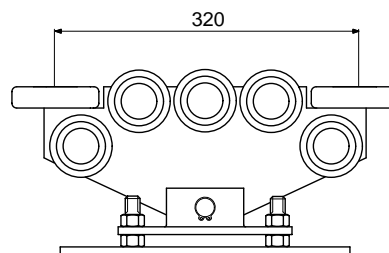
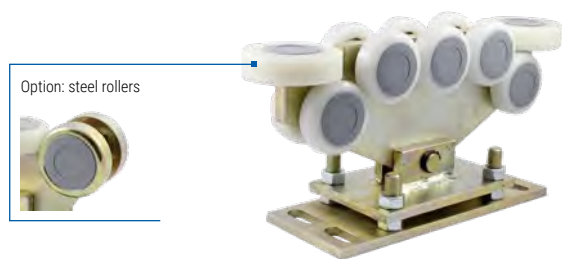
Gate's clear length 6-10 mb.

Assembling plate: TYPE "B" - option p. 217.

GROUP W-15

Carriages for sliding gates

Swinging regulated carriage



ART.NO.	TYPE/ROLLERS	A [mm]	B [mm]	C [mm]	H [mm]	ROLLERS
160	W-15 120x100x5/PA	120	100	5	85-110	Polyamide

Material: galvanized steel.

Note: The offer includes also gate profile 120 x 100 x 5 - p. 236.

Gate's capacity 800-1000 kg.

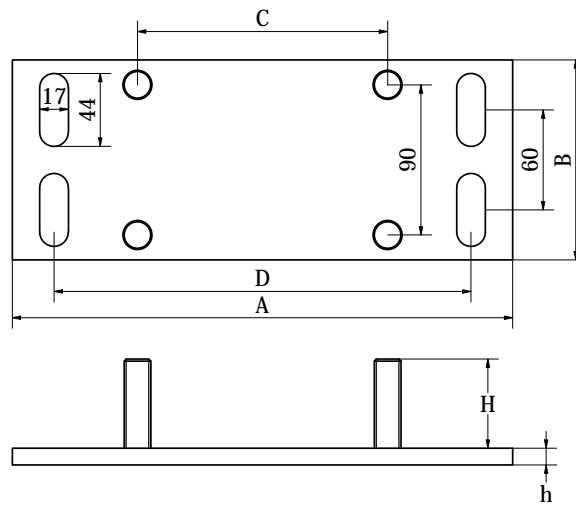
Gate's clear length 6-12 mb.

Assembling plate: TYPE "B" - option p. 217.



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]	H [mm]	h [mm]	THREAD
TYPE A	180	120	70	140	52	8	M14
TYPE B	300	120	150	250	56	10	M16

Note: can be ordered with longer H pins.

TYPE A

Applies to carriages TYPE: **W-XX/M** from p. 209 to p. 212.

TYPE B

Applies to carriages TYPE: **W-XX** from p. 212 to p.216.

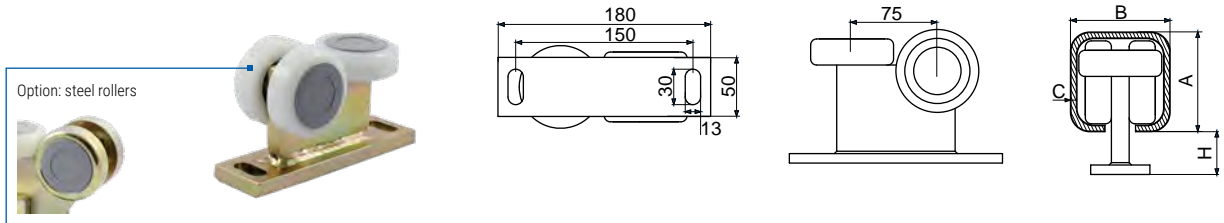


Carriages and accessories for hanging gates

GROUP W-10/M

Carriages for hanging gates

Hanging doors carriage



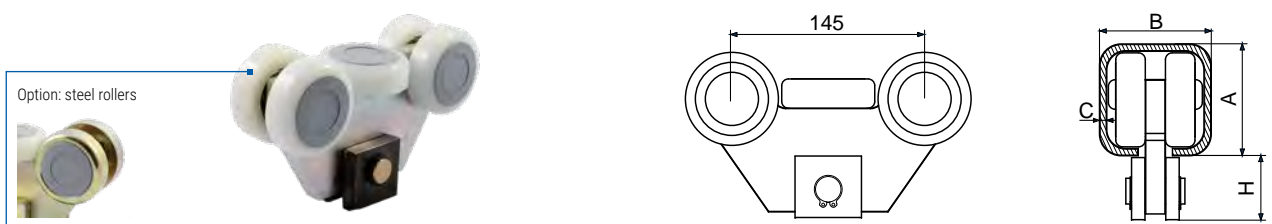
ART.NO.	TYPE/ROLLERS	A [mm]	B [mm]	C [mm]	H [mm]	ROLLERS
109	W-10/M 50x50x3/PA	50	50	3	44	Polyamide
110	W-10/M 60x60x3/PA	60	60	3	40	Polyamide
1165	W-10/M 60x60x4/PA	60	60	4	41	Polyamide
155	W-10/M 70x70x4/PA	70	70	4	36	Polyamide
154	W-10/M 80x80x4/PA	80	80	4	32	Polyamide
153	W-10/M 80x80x5/PA	80	80	5	32	Polyamide
097	W-10/M 80x80x5/MET	80	80	5	32	Stahl

Material: galvanized steel.

GROUP W-11/M

Carriages for hanging gates

Swinging part



ART.NO.	TYPE/ROLLERS	A [mm]	B [mm]	C [mm]	H [mm]	ROLLERS
2167	W-11/M 70x70x4/PA	70	70	4	68	Polyamide
098	W-11/M 80x80x5/PA	80	80	5	64	Polyamide
089	W-11/M 80x80x5/MET	80	80	5	64	Stahl

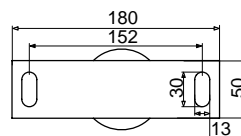
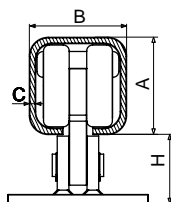
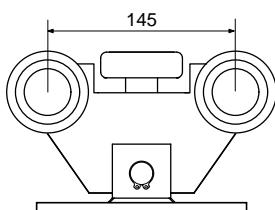
Material: galvanized steel.



GROUP W-12/M

Carriages for hanging gates

Carriage for hanging gates



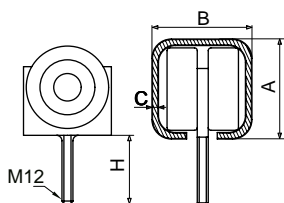
ART.NO.	TYPE/ROLLERS	A [mm]	B [mm]	C [mm]	H [mm]	ROLLERS
1166	W-12/M 50x50x3/PA	50	50	3	70	Polyamide
1167	W-12/M 60x60x3/PA	60	60	3	60	Polyamide
1168	W-12/M 60x60x4/PA	60	60	4	60	Polyamide
1169	W-12/M 70x70x4/PA	70	70	4	55,5	Polyamide
4055	W-12/M 80x80x4/PA	80	80	4	55,5	Polyamide
4054	W-12/M 80x80x5/PA	80	80	5	55,5	Polyamide

Material: galvanized steel.

GROUP W-13/M

Carriages for hanging gates

Carriage for hanging gates



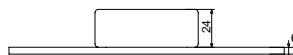
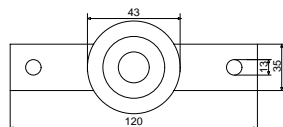
ART.NO.	TYPE/ROLLERS	A [mm]	B[mm]	C [mm]	H [mm]	ROLLERS
1172	W-13/M 50x50x3/PA	50	50	3	115	Polyamide
1173	W-13/M 60x60x3/PA	60	60	3	115	Polyamide
1174	W-13/M 60x60x4/PA	60	60	4	115	Polyamide
4062	W-13/M 70x70x4/PA	70	70	4	115	Polyamide
3136	W-13/M 80x80x5/PA	80	80	5	115	Polyamide
3137	W-13/M 80x80x4/PA	80	80	4	115	Polyamide

Material: galvanized steel.

GROUP RDP43/L

Carriages for hanging gates

Lower guide roller



ART.NO.	TYPE/ROLLERS	REMARKS
2168	RDP 43/L	Lower guide roller

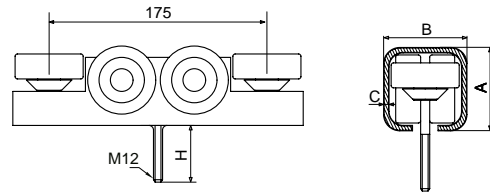
Material: galvanized steel.



GROUP W-14/M

Carriages for hanging gates

Carriage for hanging gates



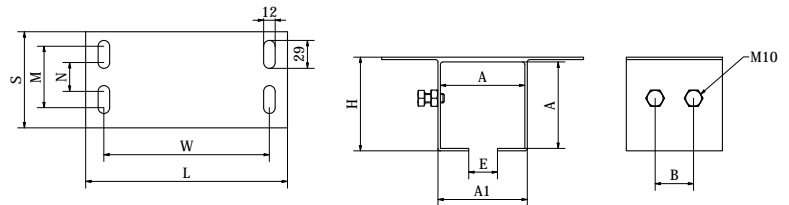
ART.NO.	TYPE/ROLLERS	A [mm]	B [mm]	C [mm]	H [mm]
1175	W-14/M 50x50x3/PA	50	50	3	115
1176	W-14/M 60x60x3/PA	60	60	3	115
1177	W-14/M 60x60x4/PA	60	60	4	115

Material: galvanized steel.

GROUP MGS

Top ceiling fixing

Top ceiling fixing to the gate profile



ART.NO.	TYPE	A x A [mm]	A1 [mm]	H [mm]	E [mm]	L [mm]	W [mm]	S [mm]	M [mm]	N [mm]	B [mm]	FOR PROFILEL
3677	MGS 30x30	36x36	40	42	7	194	160	90	64	30	45	30x30
3678	MGS 40x40	44x44	50	54	15	194	160	90	64	30	45	40x40x2
3679	MGS 50x50	53x53	60	64	25	194	160	90	64	30	45	50x50x3
3680	MGS 60x60	62x62	70	74	20	228	188	110	75	33	65	60x60x3
3681	MGS 70x70	70x70	80	84	25	228	188	110	75	33	65	70x70x4
3682	MGS 80x80	82x82	90	94	25	228	188	110	75	33	65	80x80x5

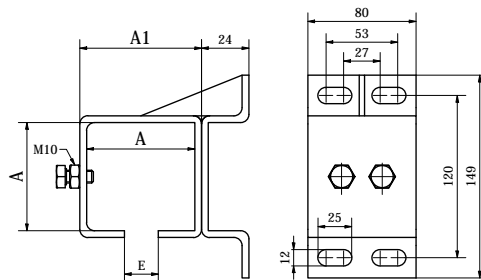
Material: galvanized steel.



GROUP MGB

Face fixing side wall bracket

Face fixing side wall bracket to the gate profile



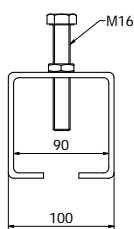
ART.NO.	TYPE	A x A [mm]	A1 [mm]	E [mm]	TO GATE PROFILE
3683	MGB 30x30	36x36	40	7	30x30x2
3684	MGB 40x40	44x44	50	15	40x40x2
3685	MGB 50x50	53x53	60	25	50x50x3
3686	MGB 60x60	62x62	70	25	60x60x3
3687	MGB 70x70	70x70	80	25	70x70x4
3688	MGB 80x80	80x80	90	25	80x80x5

Material: galvanized steel..

GROUP MGSW/A i MGSW/B

Top fixing with the hanger

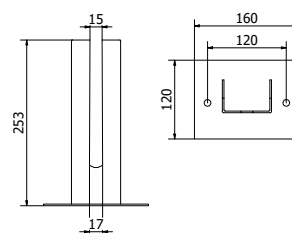
Top fixing with a bolt to the hanger



ART.NO.	TYPE
3385	MGSW/A

Material: galvanized steel.

Top fixing hanger with bolt



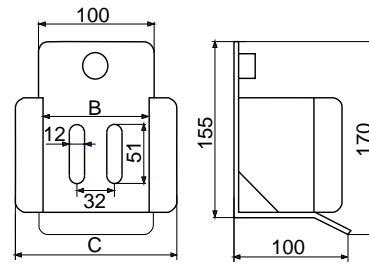
ART.NO.	TYPE
3386	MGSW/B

Material: galvanized steel.

GROUP UN

Catchers

Lower catcher



NR ART.	TYP	B [mm]	C [mm]	FOR PROFILEL
3571	UN 70	80	120	70x70
061	UN 80	88	140	80x80
062	UN 90	98	150	100x90
082	UN 100	110	145	120x100

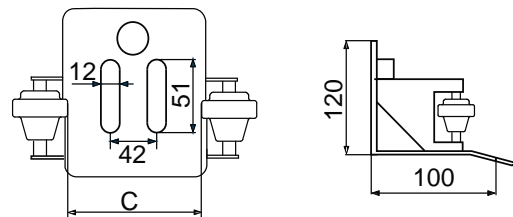
Material: galvanized steel.

GROUP UN/RG

Lower catchers

NEW

Lower catcher with rubberized rollers



ART.NO.	TYPE	FOR PROFILEL	C [mm]
3644	UN/RG70	70 x 70	76
2144	UN/RG80	80 x 80	86
3154	UN/RG100	100x100 / 120x100	106

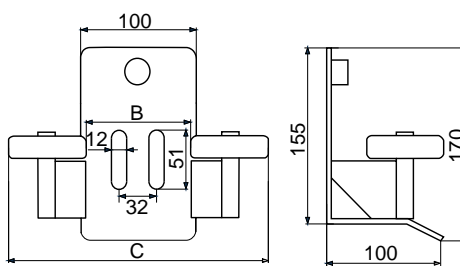
Material: galvanized steel, rubberized rollers.



GROUP UN/R

Catchers

Lower catcher with polyamide rollers



ART.NO.	TYPE	B [mm]	C [mm]	FOR PROFILEL
2146	UN/R 70	75	210	70x70
063	UN/R 80	85	220	80x80
064	UN/R 90	95	230	100x90
083	UN/R 100	105	240	120x100

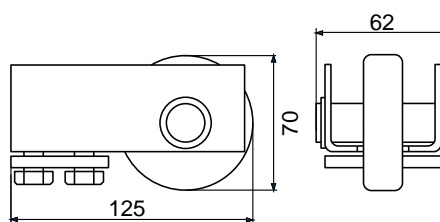
Material: galvanized steel, polyamide rollers.

Accessories for cantilever gates

GROUP RN

Drive-in rollers

Drive-in support rolle



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

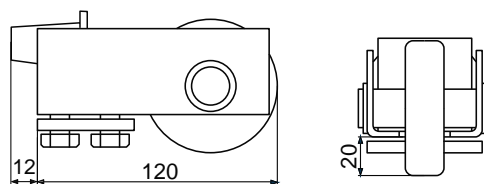
Material: galvanized steel, polyamide roller.



GROUP RN/G

Drive-in rollers

Drive-in support roller with stop



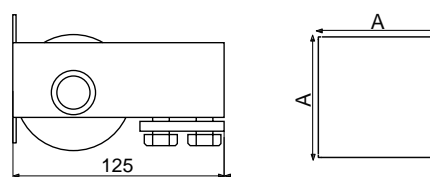
ART.NO.	TYPE	FOR PROFILE
112	RN/G 70	70 x 70
113	RN/G 80	80 x 80
3499	RN/G 100	120 x 100

Material: galvanized steel, polyamide roller.

GROUP RN/Z

Drive-in rollers

Drive-in roller with front cap



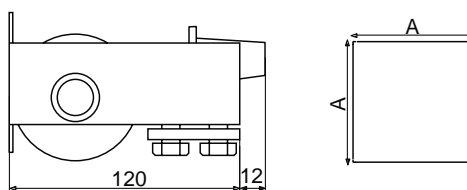
ART.NO.	TYPE	FOR PROFILE	A x A [mm]
3130	RN/Z 70	70 x 70	72 x 72
2143	RN/Z 80	80 x 80	83 x 83

Material: galvanized steel, polyamide roller.



GROUP RNZ/G | Drive-in rollers

Drive-in roller with front cap and stopper



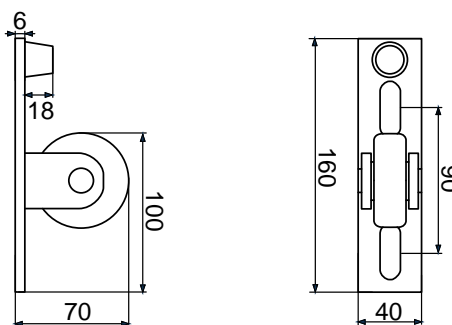
ART.NO.	TYPE	FOR PROFILE	A x A [mm]
2145	RNZ/G 70	70 x 70	72 x 72
1178	RNZ/G 80	80 x 80	83 x 83

Material: galvanized steel, polyamide roller.

Accessories for cantilever gates

GROUP RN/R | Drive-in rollers

Drive-in support roller on end post



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

Material: galvanized steel, polyamide roller.



GROUP OZB

Stops

Gate closing stop

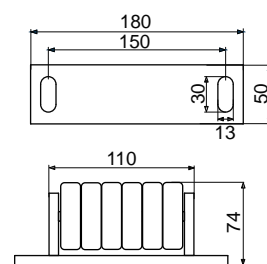


ART.NO.	TYPE
115	OZB

Material: galvanized steel.

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

Support rear roller



ART.NO.	TYPE
3140	TRN

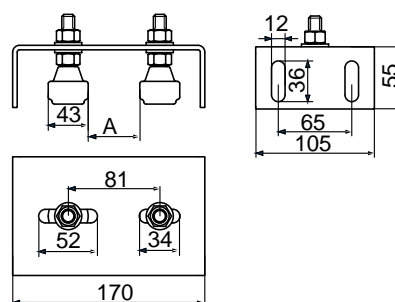
Material: galvanized steel, polyamide roller.

Use: support roller mounted at counterweight end.

GROUP PG/2

Gate top guide plates

Top 2-roller guide plate



ART.NO.	TYPE	ROLLES	REMARKS (maximum roller spacing)
066	PG/2 P	Polyamide Ø33	from 30 mm to 70 mm
067	PG/2 G	Rubberized Ø43/G	from 30 mm to 60 mm

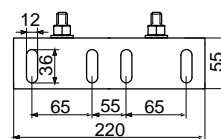
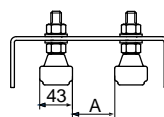
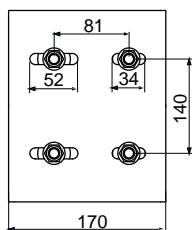
Material: galvanized steel, polyamide or rubberized rollers.



GROUP PG/4

Gate top guide plates

Top 4-roller guide plate



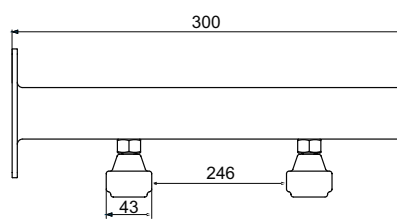
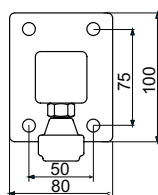
ART.NO.	TYPE	ROLLES	A REMARKS (maximum roller spacing)
068	PG/4 P	Polyamide Ø33	from 30 mm to 70 mm
069	PG/4 G	Rubberized Ø43/G	from 30 mm to 60 mm

Material: galvanized steel, polyamide or rubberized rollers.

GROUP PG/P

Gate top guide plates

Top guide plate with regulated rollers

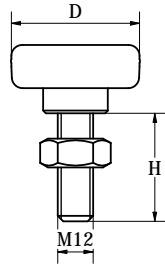


rollers adjustable within 246 mm

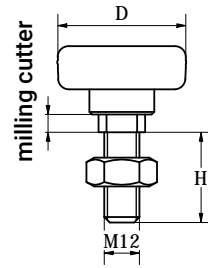
ART.NO.	TYPE	REMARKS
070	PG/P P	Polyamide rollers Ø43
071	PG/P G	Rubberized rollers Ø43/G

Material: galvanized steel, polyamide or rubberized rollers.

Polyamide guide rollers



TYPE A



TYPE B



Rollers for use with angle support.

ART.NO.	TYPE	D [mm]	H [mm]	REMARKS
3388	RP 33/L/A	33	33	TYPE A
3198	RP 33/L/B	33	33	TYPE B (frez)
3271	RP 37,5/L/A	37,5	33	TYPE A
3389	RP 37,5/L/B	37,5	33	TYPE B (frez)
1179	RP 43/L/A	43	33	TYPE A
1180	RP 43/L/B	43	55	TYPE B (frez)
3229	RP 43/L/B 32	43	32	TYPE B (frez)
120	RU/K			ANGLE SUPPORT (WITHOUT ROLLER)

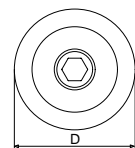
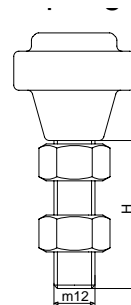
Material: pin – galvanized steel, roller – polyamide, with bearings.

Note: delivered with threaded pin M12 + nut M12.

Polyamide guide rollers



RP 43/G (Rubberized)



ART.NO.	TYPE/ROLLES	D [mm]	H [mm]
060	RP 43/G	43	39

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

Comes with polyamide roller with hexagon socket bolt M12x60 + 2 nuts M12.
Properties: polyamide track causes no scratches on the gate's surface.

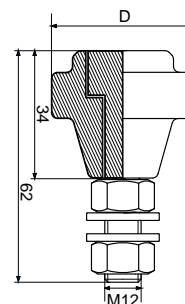
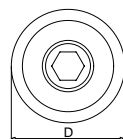
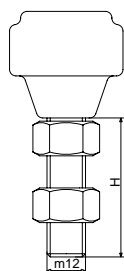


GROUP RP | Guide rollers

Polyamide guide rollers



RP (Polyamide)



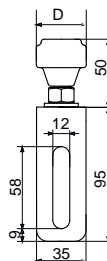
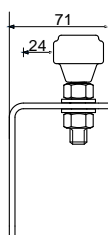
ART.NO.	TYPE/ ROLLES	D [mm]	H [mm]
126	RP 25	25	39
3096	RP 33	32,5	39
056	RP 34	34	39
057	RP 36	36	39
3269	RP 37,5	37,5	39
058	RP 41	41	39
059	RP 43	43	39

Material: bolt – galvanized steel, roller – polyamide.

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

GROUP RU | Guide rollers

Guide rollers



ART.NO.	TYPE/ROLLES	D [mm]	Remarks
3097	RU 25	25	Polyamide rollers, angle support
3098	RU 33	33	Polyamide rollers, angle support
117	RU 34	34	Rolki poliamidowe z kątownikiem
118	RU 36	36	Polyamide rollers, angle support
119	RU 41	41	Polyamide rollers, angle support
072	RU 43	43	Polyamide rollers, angle support
1182	RU 32/G *	32	Rubberised rollers with angle support (PRODUCT TO BE AVAILABLE SOON)
073	RU 43/G	43	Rubberised rollers with angle support

Material: bolt and angle support – galvanized steel, rollers – polyamide/rubberised.

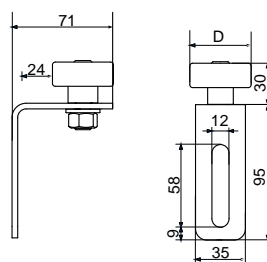
Note: product RU32/G* - to be available soon.



GROUP RU

Guide rollers

Guide rollers with bearing, Angle support



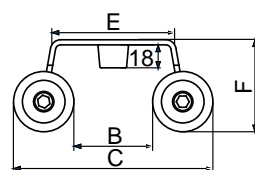
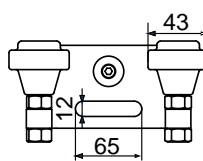
ART.NO.	TYPE	D [mm]	REMARKS
3287	RU 33/L	33	Polyamide rollers with bearing
074	RU 43/L	43	Polyamide rollers with bearing
120	RU/K		Angle support without rollers

Material: galvanized steel, polyamide roller.

GROUP UB

Top catchers

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

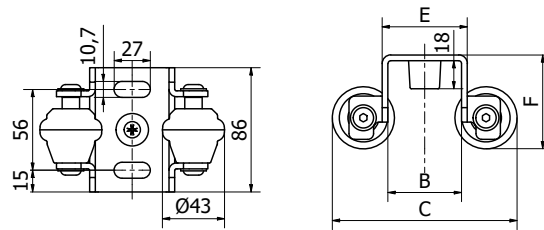
Material: galvanized steel, rubberized rollers.



GROUP UB/RG

Top catchers

Top catcher



ART.NO.	TYPE	B [mm]	C [mm]	E [mm]	F [mm]	REMARKS
4049	UB 30/RG	32	118	50	65	Rubberized rollers
4050	UB 40/RG	42	128	60	65	Rubberized rollers
4051	UB 50/RG	52	138	70	65	Rubberized rollers
4052	UB 60/RG	62	148	80	65	Rubberized rollers
4053	UB 80/RG	82	168	100	75	Rubberized rollers

Material: galvanized steel, rubberized rollers.

GROUP UB/PA

Top catchers

Top catcher



UB/PA



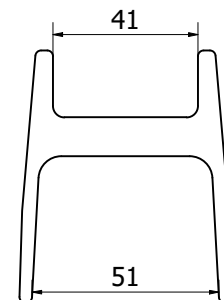
UB2/PA



UB2/PABR



UB2/PAZR



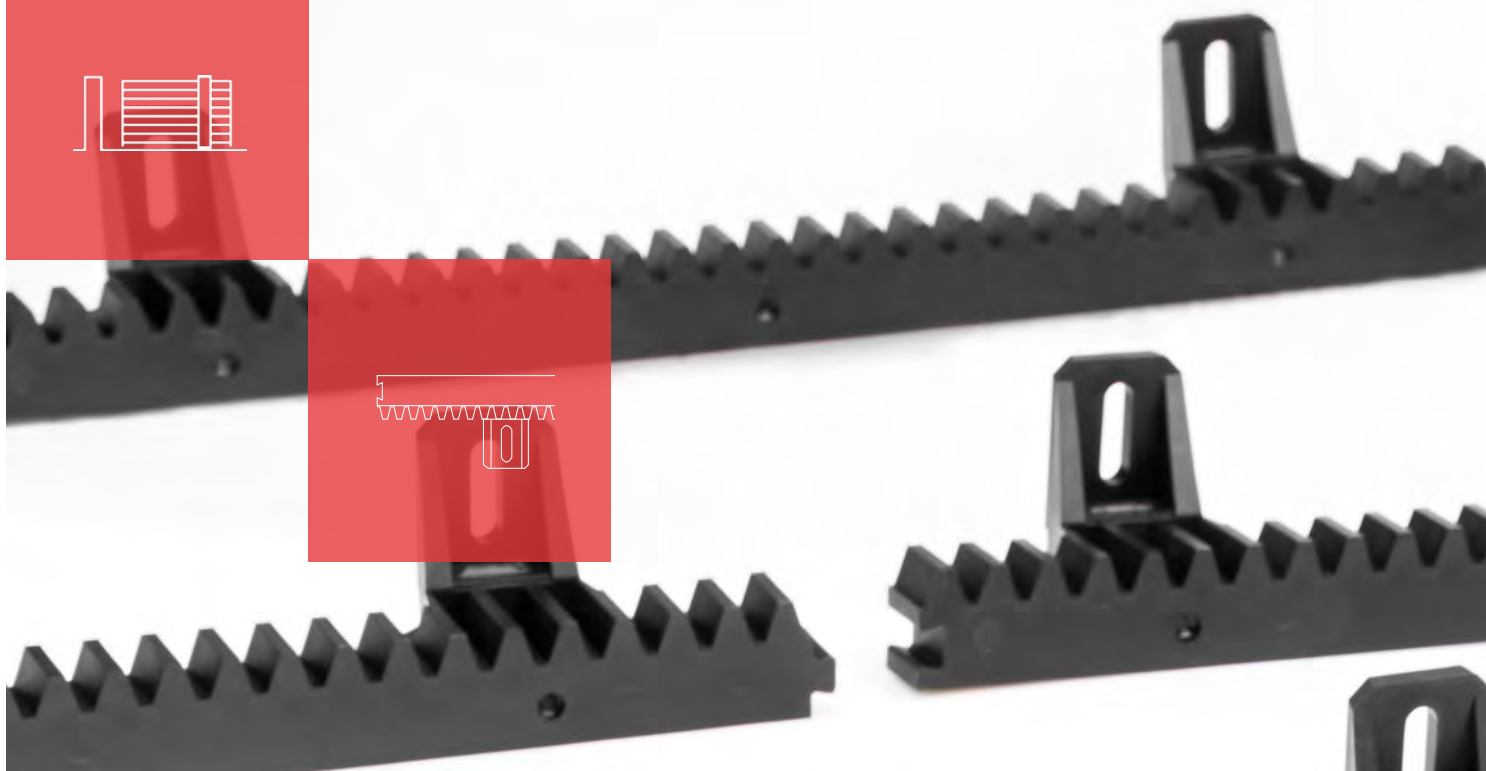
ART.NO.	TYPE	REMARKS
121	UB/PA	
122	UB2/PA	
134	UB2/PABR	with welded angle support
199	UB2/PAZR	with full adjustment

Material: galvanized steel with polyamide catcher.

Note: catcher mounted on profile 40 x 20.



Accessories for sliding gates – toothed racks





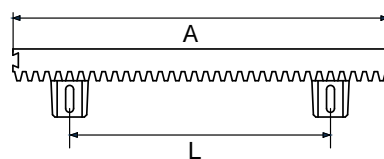
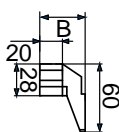
GROUP LZP/33

Toothed racks

Polyamide rack with steel core 330 mm



TYPE LZP/33



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 with glass fibre.

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.

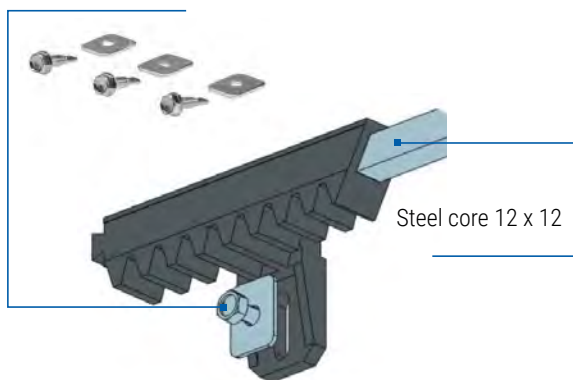
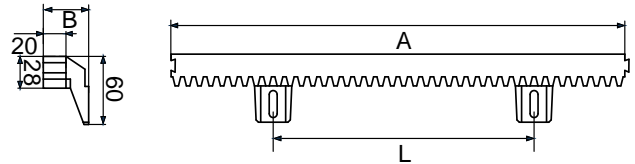
Standard Color
RAL 9005



Polyamide rack with steel core 400 mm

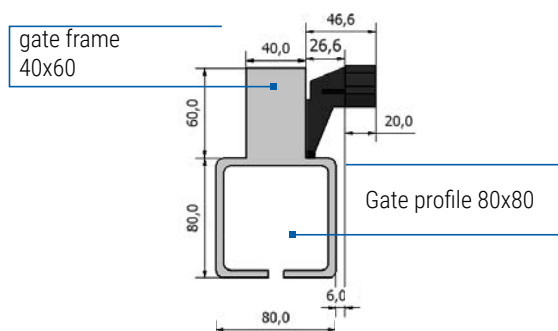


TYPE LZP/40



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

LZP/40 polyamide rack installation scheme.



Further shifting of the catcher of toothed racks LZP/40 allows for much convenient installation of toothed rack with use of self-drilling screws directly on the frame of gate made of 40x40 and 40x60 profile.

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 with glass fibre.

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

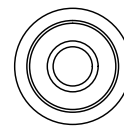
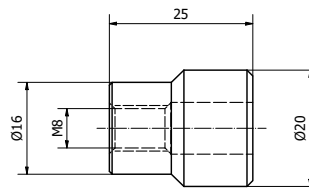
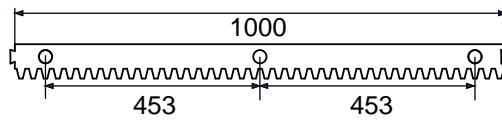




GROUP LZM

Toothed rack

Steel rack

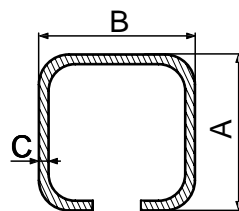


ART.NO.	TYPE	B [mm]	TOOTH MODULE
042	LZM 8 *	8	4
043	LZM 10 *	10	4
044	LZM 12 *	12	4

Remarks: *Delivered with spacer tubes, bolts and washers. The rack is connectable by the mortise.

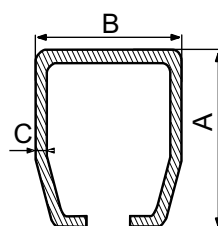
Material: galvanized steel.

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	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	PTorprofil 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.



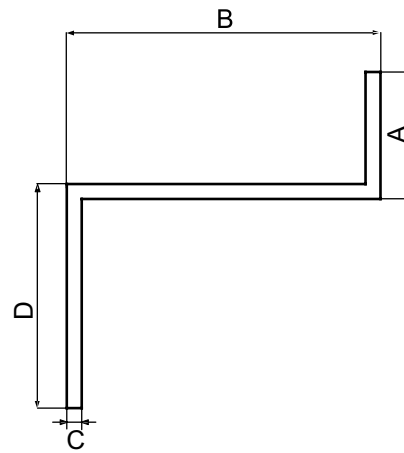
ART.NO.	TYPE	A x B x C [mm]	LENGTH [LINEAR METERS]	COATING
1195	Torprofil 120 x 100 x 5 / 6 linear meters	120 x 100 x 5	6	Raw
1196	Torprofil 120 x 100 x 5 / 8 linear meters	120 x 100 x 5	8	Raw
3673	Torprofil 120 x 100 x 5 / 6 linear meters/OC	120 x 100 x 5	6	Hot-dip galvanized
3674	Torprofil 120 x 100 x 5 / 8 linear meters/OC	120 x 100 x 5	8	Hot-dip galvanized

Material: steel.

Z-profile



Z-Profil 18 x 40 x 37
śc. 2,5

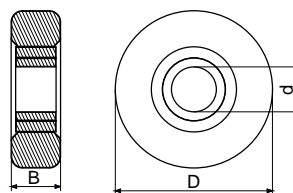


ART.NO.	TYPE	A x B x D x C [mm]	LENGTH [LINEAR METERS]	COATING
1197	Z-Profil 18 x 40 x 37 śc 2,5 / 6mb	18 x 40 x 37 x 2,5	6	Hot-dip galvanized

Material: steel.

Note: for installation of z-bar it is recommended to use rivet nuts with polyamide washers.
Polyamide washers p. 64-65.

Polyamide roller with bearing



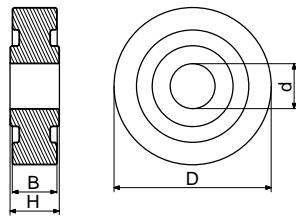
ART.NO.	TYPE	NAME	D [mm]	d [mm]	B [mm]	WEIGHT	BEARING NO.
2040	RL25	Roller with bearing	25	6	10	30	626
2041	RL33	Roller with bearing	33	10	11	30	6000
045	RL43	Roller with bearing	43	15	15	40	6202 Z
2042	RL48	Roller with bearing	48	20	14,5	40	6004
2043	RL50	Roller with bearing	50	20	14,5	60	6004
2044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

Material: polyamide.

Color: natural.

GROUP R | **Rollers**

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

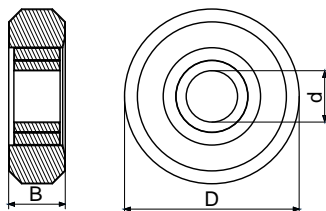
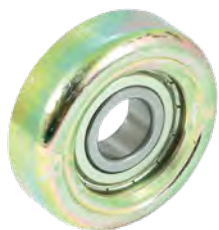
Material: polyamide.

Standard Color
RAL 9005



GROUP RL/S | **Rollers**

Steel roller



ART.NO.	TYPE	NAME	D [mm]	d [mm]	B [mm]	WAGA	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

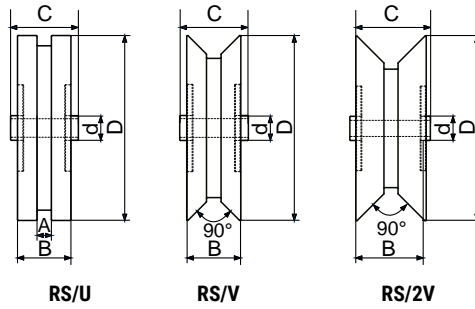
Material: metal bearing with galvanized metal raceway.



GROUP RS

Rail rollers

Rail roller



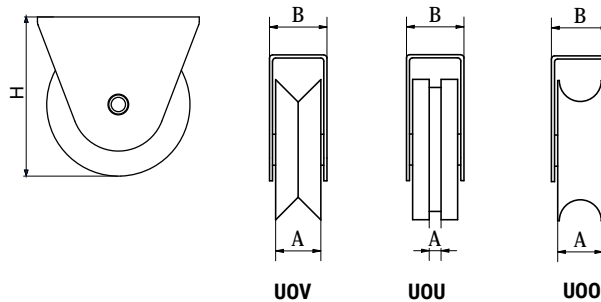
ART.NO.	TYPE	B [mm]	C [mm]	D [mm]	d [mm]	A [mm]	REMARK
128	RS/U	26	33	90	12	7	For flat bar
129	RS/V	26	33	90	12		For angle support
130	RS/2V	35	40	93	12		For angle support and for tube

Material: metal bearing with galvanized metal raceway.

GROUP UO

Rail rollers

Rail roller with bend support



ART.NO.	TYPE	H [mm]	B [mm]	A [mm]	REMARK
131	UOV	90	37	22	For angle support
132	UOU	90	37	8	For flat bar
133	UOO	90	37	26	For tube Ø1/2"

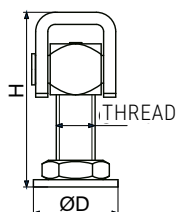
Material: metal bearing with galvanized metal raceway.
Body made of galvanized sheet metal.



GROUP ZB/S

Hinges

Welding hinge



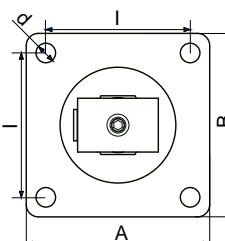
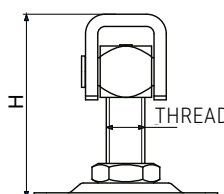
ART.NO.	TYPE	THREAD	H [min-max]	D [mm]
140	ZB16/S	M16	52-72	37
141	ZB20/S	M20	60-90	45

Material: thread: galvanized steel, base and channel: raw steel.

GROUP ZB/P

Hinges

Skrew-joint hinge



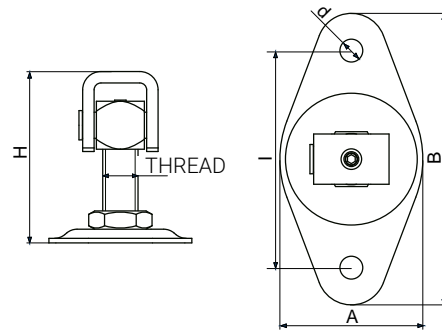
ART.NO.	TYPE	THREAD	H [min-max]	I [mm]	A x B	d [mm]
142	ZB16/P	M16	55-72	51	74 x 74	8,4
261	ZB16/P 60	M16	55-70	32 x 66	54 x 85	8,4
143	ZB20/P	M20	60-100	68	100 x 100	11

Material: base and thread: galvanized steel, channel: raw steel.

GROUP ZB/0

Hinges

Skrew-joint hinge oval



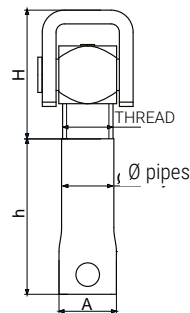
ART.NO.	TYPE	THREAD	H [min-max]	l [mm]	B [mm]	A [mm]	d [mm]
156	ZB016/P	M16	60-75	95	125	70	10
157	ZB020/P	M20	55-90	95	125	70	10

Material: galvanized steel.

GROUP ZB/W

Hinges

Inlet hinge



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

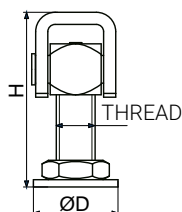
Material: galvanized steel.



GROUP ZB/S

Hinges

Welding hinge



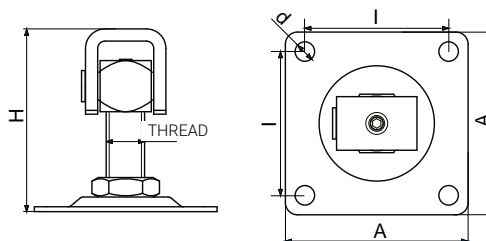
ART.NO.	TYPE	THREAD	H [min-max]	D [mm]
2050	ZBN16/S Stainless steel	M16	60-75	46
2051	ZBN20/S Stainless steel	M20	60-100	50

Material: stainless steel.

GROUP ZBN/P

Hinges

Skrew-joint hinge



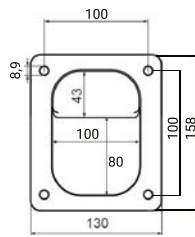
ART.NO.	TYPE	THREAD	H [min-max]	l [mm]	A x A	d [mm]
2052	ZBN16/P Stahl rostfrei	M16	62-80	56	79 x 79	10,4
2053	ZBN20/P Stahl rostfrei	M20	60-85	75	99 x 99	11,5

Material: stainless steel.

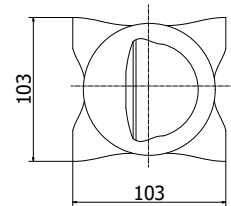
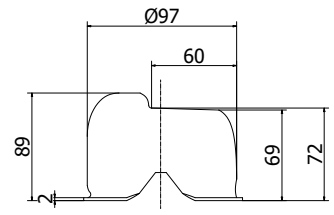
Folding gate closing stop



OBS/screwed



OBS/inlett



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

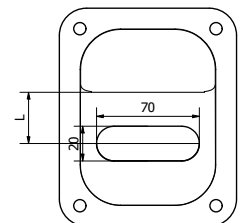
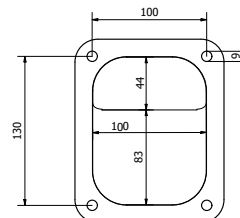
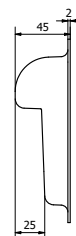
Material: galvanized steel.

Bumper for swing gate closure with hole for latch

NEW



OBS/screwed



ART.NO.	TYPE	REMARKS	L [mm]
3233	OBS/OTW L39	Bumper for swing gate closure with hole for latch L39 L39	39
3381	OBS/OTW L52,5	Bumper for swing gate closure with hole for latch L39 L52,5	52,5
3382	OBS/OTW L66	Bumper for swing gate closure with hole for latch L66	66

Material: galvanized steel.

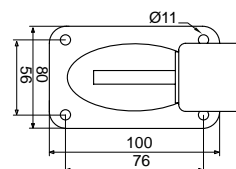
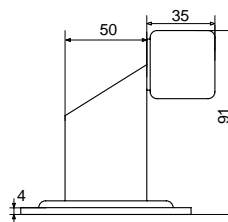
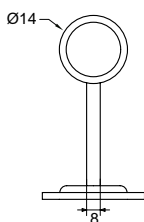
Note: hole can be drilled according to position of a latch in the gate in relation to the bumper.



GROUP ZBO/P

Stops

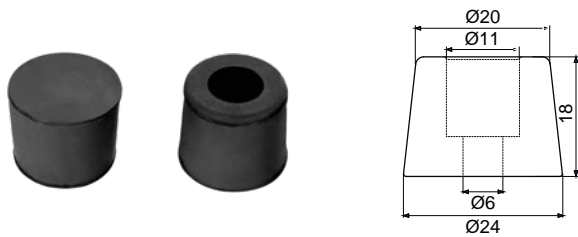
Verstellbar Torband



ART.NO.	TYPE	REMARKS
2054	ZBO/P	screwed

Material: galvanized steel.

Rubber stops



OG/1

ART.NO.	TYPE	MATERIAL
123	OG/1	Elastomer

Material: elastomer.



OG/3

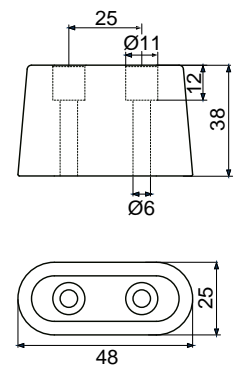
ART.NO.	TYPE	MATERIAL
2055	OG/3	rubber

Material: rubber.

NEW

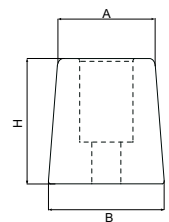


OG/2



ART.NO.	TYPE	MATERIAL
124	OG/2	Elastomer

Material elastomer.

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

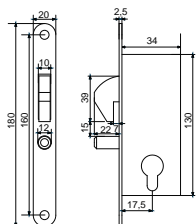
Material: rubber or elastomer.

Accessories for sliding and swing gates



Locks for sliding and swinging gates

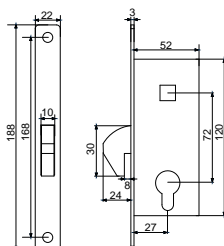
Hook lock H-35



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

Material: galvanized steel.

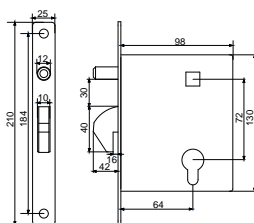
Hook lock H-60



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

Material: galvanized steel.

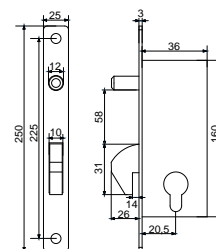
Hook lock F-60



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

Material: galvanized steel.

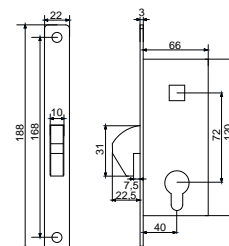
Hook lock H-40



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

Material: galvanized steel.

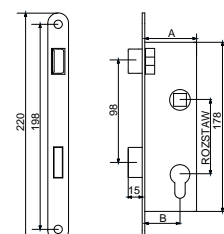
Hook lock F-40



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

Material: galvanized steel.

Lock ZWZ

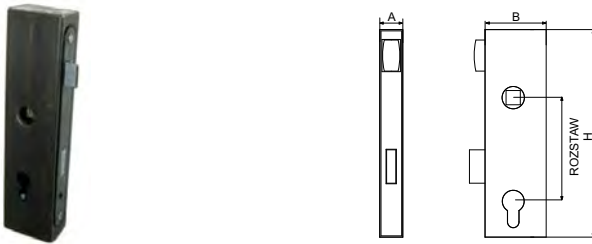


ART.NO.	TYPE	A [mm]	B [mm]	SPACING
262	ZWZ 90/38	35	22	90
263	ZWZ 72/50	50	34	72

Material: galvanized steel.

Locks for sliding and swinging gates

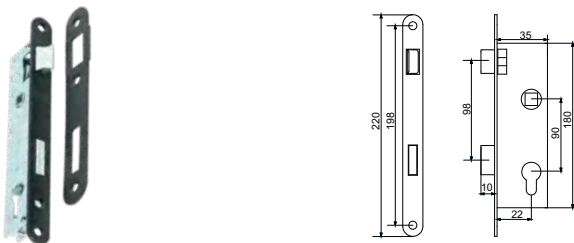
Lock + box (set)



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

Note: Lock included.
Material: raw steel.

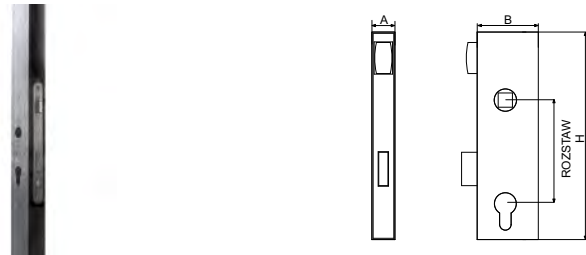
Inlet lock ZDW



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

Material: galvanized steel.

Wicket front frame slat with lock (PRF)



ART. NO.	TYPE	A x B [mm]	SPACING	H [mm]
2057	PRF40 x 40 H 1500 + ZWZ9038	40 x 40	90	1500
2058	PRF40 x 40 H 2000 + ZWZ9038	40 x 40	90	2000
2059	PRF40 x 60 H 1500 + ZWZ7250	40 x 60	72	1500
2060	PRF40 x 60 H 2000 + ZWZ7250	40 x 60	72	2000

Note: Lock included.
Material: raw steel, galvanized steel lock.

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

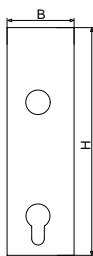
Material: galvanized steel.

Locks

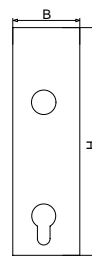
Case for BICO and ZDW locks



Case ZDW



Case BICO

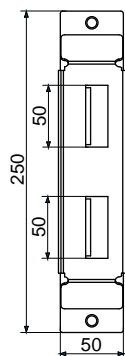


ART.NO.	TYPE	A [mm]	B [mm]	H [mm]	REMARKS
215	Case ZDW	25	40	185	For inlet locks ZDW
217	Case BICO 30	30	90	185	For inlet locks BICO 30
218	Case BICO 40	40	90	185	For inlet locks BICO 40

Material: raw steel.

Strike

Strike plate screwed ZFP/1 for wicket

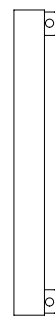
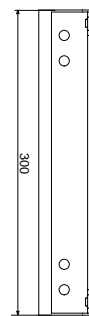


ART.NO.	TYPE	COATING
268	ZFP/1	Galvanized

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



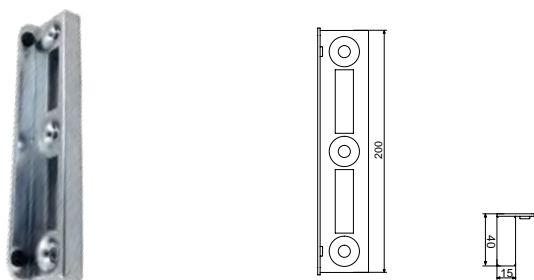
ART.NO.	TYPE	COATING
2061	ZFP/2	Galvanized

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

Strike plate screwed ZFP/3

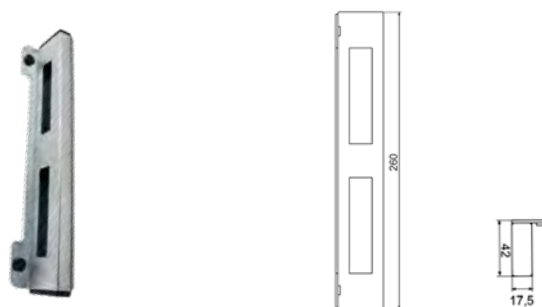


ART.NO.	TYPE	COATING
2062	ZFP/3	Galvanized

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

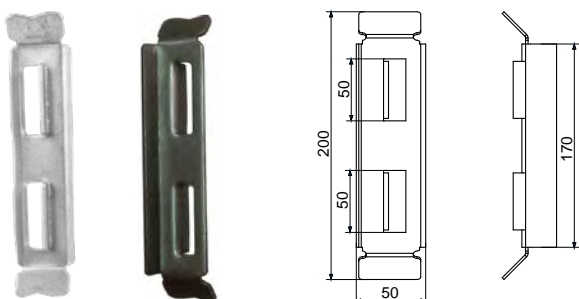


ART.NO.	TYPE	COATING
2063	ZFP/4	Galvanized

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

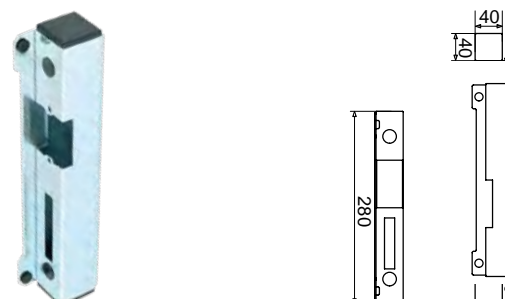


ART.NO.	TYPE	REMARKS
269	ZFS	Raw

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



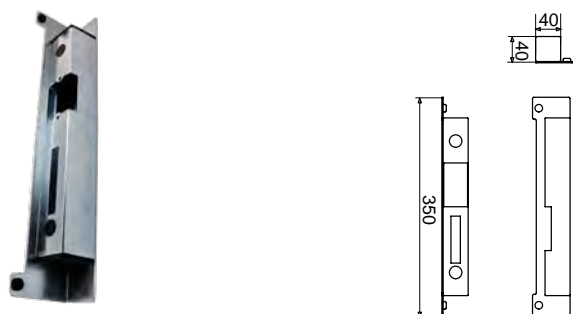
ART.NO.	TYPE
239	PUSZ 280 EZ

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.

Strike

Box for electric lock Pusz 350 EZ



ART.NO.	TYPE
2064	PUSZ 350 EZ

Material: galvanized steel.

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

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.

Electric lock EZR4



ART.NO.	TYPE	FUNCTIONS
270	EZR4 Electric lock	Without lock
271	EZR4/B Electric lock	With lock
272	EZR4/BP Electric lock	With lock and memory
3261	EZR4/BPW Electric lock	With lock and memory internal

Material: galvanized steel.

Adapted to case types: 280 EZ, 350 EZ.

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.



Latches

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



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..

Handles

Handle without escutcheon KL1



KL1/A
KL1/C

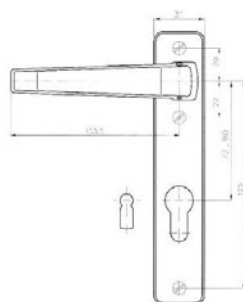


KL1/B

ART.NO.	TYPE	COLOR	REMARKS
212	KL1/A	Black	mounted from the bottom
2192	KL1/B	Black	
3268	KL1/C	Black	screwed from the front

Material: painted steel..

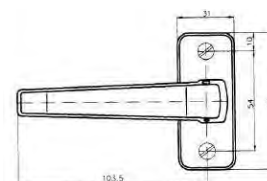
Handle big escutcheon KL3/KL4



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

Material: painted steel..

Handle little escutcheon KL2



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

Material: painted steel.

Knob steady/revolving KL5



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

Material: painted steel..

Handles

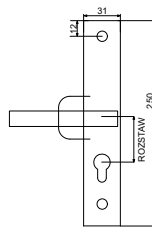
Handle with round escutcheon KL6



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

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...

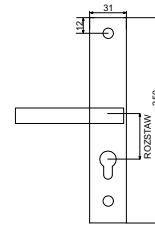
Big immovable handle with escutcheon KL10



ART.NO.	TYPE
2118	KL10

Material: galvanized steel sheet, powder-coated.

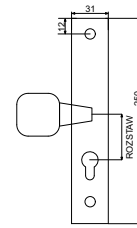
Handle with escutcheon KL7



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

Material: galvanized steel sheet, powder-coated.

Immovable handle with escutcheon KL9



ART.NO.	TYPE
280	KL9

Material: galvanized steel sheet, powder-coated..

Big immovable single handle without escutcheon KL11



ART.NO.	TYPE
2119	KL11

Material: galvanized steel sheet, powder-coated.

Handles

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.

Immovable handle with handle with small escutcheons KL13



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.

Additional accessories

Plate for handle stainless steel

ль



ART.NO.	TYPE
2124	Plate for handle/A2

Material: stainless steel.

Gate pull-handle



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

Material: galvanized steel.

Latch with spring



ART.NO.	TYPE	L [mm]	Ø PIPES
2127	RY/S220/OC	220	Ø12
2128	RY/S440/OC	420	Ø14

Material: galvanized steel.

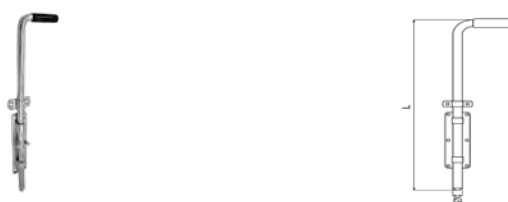
Plate for handle plastic



ART.NO.	TYPE
281	Plate for handle/PE

Material: polyethylene.

Latch narrow



ART.NO.	TYPE	L [mm]	Ø PIPES
2125	RY220/OC	220	Ø12
2126	RY440/OC	420	Ø14

Material: galvanized steel.

Stopper foot foldable for gate



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

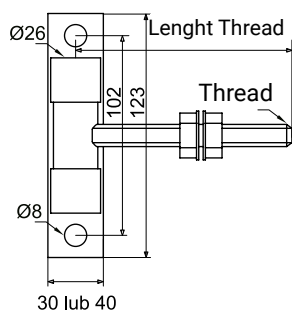
Material: galvanized steel.

Adjustable hinge

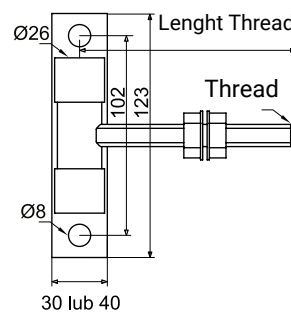
Adjustable hinge



TYPE: ZR



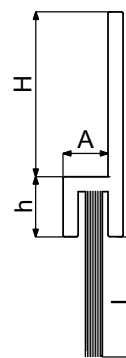
TYPE: ZRP



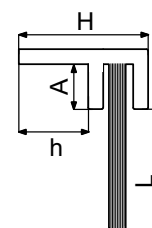
ART.NO.	TYPE	COATING	THREAD	THREAD [MM]
2131	ZR30M12 x 110/CZ	Plate painted, galvanized thread	M12	110
2132	ZR30M12 x 110/OC	Galvanized	M12	110
2133	ZRP30M12 x 110/CZ	Plate painted, galvanized thread	M12	110
2134	ZRP30M12 x 110/OC	Galvanized	M12	110
2135	ZRP40M14 x 150/OC	Galvanized	M14	150
2136	ZR40M14 x 150/OC	Galvanized	M14	150

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 [mb]
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.

Two-component system of chemical bonding

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



Other products

TYPE MLSPS2
TYPE MLSPS2L



Self-closing magnetic latch bolt (with or without key)

TYPE LLAAB
TYPE LLAAB



Self-closing latch bolt one-sided or double-sided

TYPE TCA1L2S3BT
TYPE TCA1S3BT



Self-closing hinges up to 30 kg weight or 900 mm wide (two brackets or without brackets)

TYPE TCHD1AL2S3BT
TYPE TCHD1AS3BT



Self-closing hinges up to 70 kg weight or 1200 mm wide (two brackets or without brackets)

TYPE TCHDRND1S3
TYPE TCHDRND2S3



Self-closing hinges up to 70 kg weight or 1200 mm wide (for round profiles of various diameters)

TYPE KF3A1BL



Self-closing aluminium hinges to the wall (for 20 kg gates)

TYPE TCGS3



Bumper for metal gates

Automation for gates





Automation for sliding gates





Automation for sliding gates

Bx plus set (BX704AGS)



ART.NO.	TYPE	DESCRIPTION	QTY
251	BX-A	230 V Actuator with control board ZBX74	1
	AF43S	requency board	1
	Space 2- kan.	Remote control	1
	DIR 10	Photocells	1

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

BX STRONG SET (BX708AGS)



ART.NO.	TYPE	DESCRIPTION	QTY
252	BX-A	230 V Actuator with control board ZBX74	1
	AF43S	requency board	1
	Space 2- kan.	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
Space 2- kan.	Remote control	1

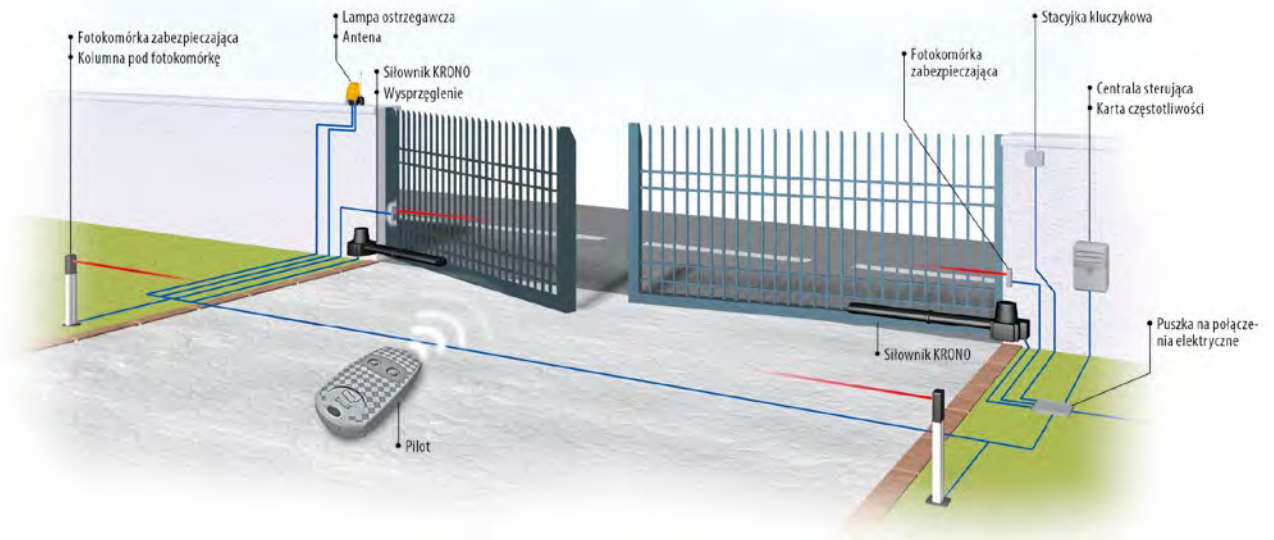
Sets for automation of sliding gates:

- ▶ 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





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.



Automation for double-leaf gates

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.



Automation for double-leaf gates

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.



Door entry systems

Set CK0001



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

SETCK0002



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 dots for taking notes, consisting of 20 columns and 25 rows.

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