

PHILIPPGROUP

PHILIPP KH system



VB3-T-026-en - 01/16

Data sheet

PHILIPP KH system

The KH system is designed especially for the use of threaded anchor systems in architectural challenging fair-faced concrete elements. When using the KH system to fix threaded anchors to the mould very small recesses are created. These small recesses can be sealed with stainless steel or plastic sealing caps after transport and mounting of the elements easily.

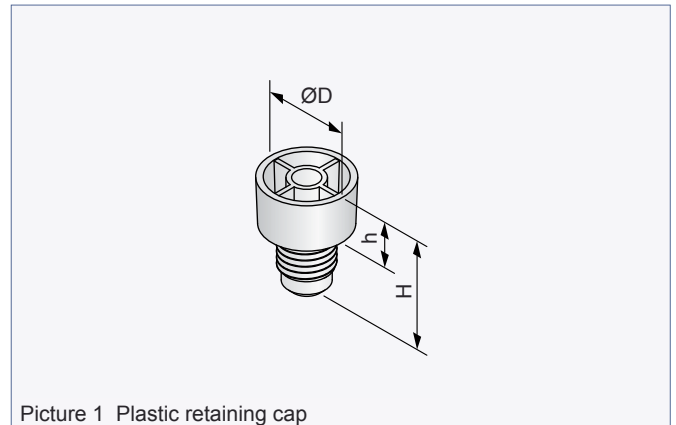
Thus, a high quality seal and visually attractive surface of the element are realised.

In order to avoid a penetration of water (e.g. caused by cracks on the concrete surface due to frost) and mud we recommend to glue the sealing caps in the recesses.

Threaded transport anchors from size type 12 up to 52 can be fixed and sealed smoothly with the KH system. Only in combination with the lifting devices Lifting loop with threaded end and Wirbelstar KH the KH system can be used. An application with the standard PHILIPP lifting devices Lifty or standard Wirbelstar is not possible.

Table 1: Plastic retaining cap

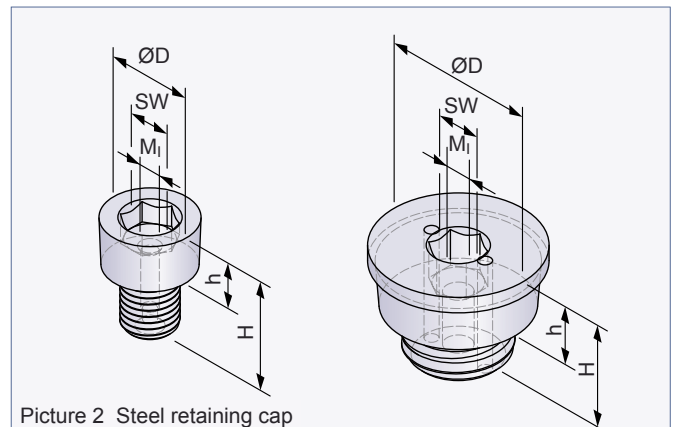
Ref.-No.	Type [RD/M]	Dimensions [mm]			Weight [kg/100 pcs.]
		ØD	H	h	
72KH12	12	27	35	15	0.47
72KH14	14	27	35	15	0.51
72KH16	16	27	35	15	0.58
72KH18	18	27	35	15	0.64
72KH20	20	27	35	15	0.73
72KH24	24	27	35	15	0.89



Picture 1 Plastic retaining cap

Table 2: Steel retaining cap

Ref.-No.	Type [RD/M]	M _I	Dimensions [mm]				Weight [kg/100 pcs.]
			ØD	H	h	SW	
72KH12STAHL	12	M6	27	35	15	14	7.0
72KH14STAHL	14	M6	27	35	15	14	8.0
72KH16STAHL	16	M6	27	35	15	14	9.0
72KH18STAHL	18	M10	27	35	15	14	8.0
72KH20STAHL	20	M10	27	35	15	14	9.0
72KH24STAHL	24	M10	27	35	15	14	11.0
72KH30STAHL	30	M10	48	35	19	14	27.0
72KH36STAHL	36	M10	48	35	19	14	31.0
72KH42STAHL	42	M10	48	45	19	14	39.5
72KH52STAHL	52	M10	65	50	22	14	89.0

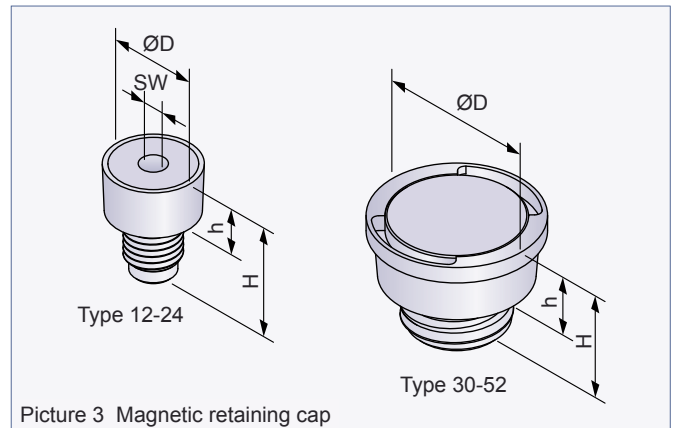


Picture 2 Steel retaining cap

KH Magnetic retaining caps

Table 3: Magnetic retaining cap

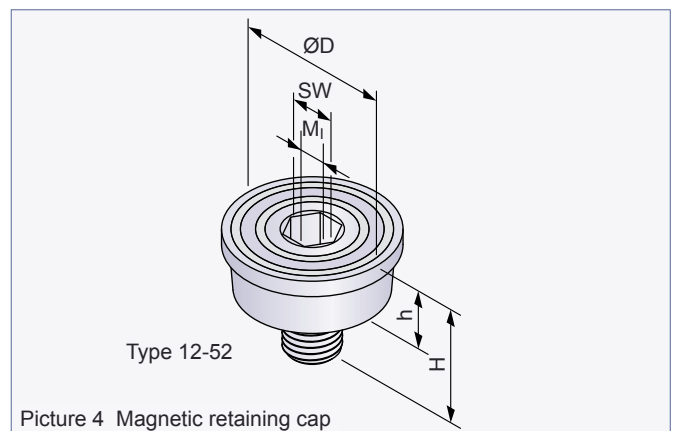
Ref.-No.	Type [RD/M]	Dimensions [mm]				Weight [kg/100 pcs.]
		ØD	H	h	SW	
72MAXKH12ST	12	27	35	15	7	5.7
72MAXKH14ST	14	27	35	15	7	6.3
72MAXKH16ST	16	27	35	15	7	6.9
72MAXKH18ST	18	27	35	15	7	7.6
72MAXKH20ST	20	27	35	15	7	8.3
72MAXKH24ST	24	27	35	15	7	10.0
72MAXKH30ST	30	48	35	19	-	28.0
72MAXKH36ST	36	48	35	19	-	31.1
72MAXKH42ST	42	48	45	19	-	44.2
72MAXKH52ST	52	65	50	22	-	89.7



Picture 3 Magnetic retaining cap

Table 4: Magnetic retaining cap

Ref.-No.	Type [RD/M]	M _i	Dimensions [mm]				Weight [kg/100 pcs.]
			ØD	H	h	SW	
72MAXKH12SO	12	M10	48	35	15	14	22.6
72MAXKH14SO	14	M10	48	35	15	14	23.0
72MAXKH16SO	16	M10	48	35	15	14	23.3
72MAXKH18SO	18	M10	48	35	15	14	23.6
72MAXKH20SO	20	M10	48	35	15	14	24.3
72MAXKH24SO	24	M10	48	35	15	14	25.6
72MAXKH30SO	30	M10	48	35	19	14	28.3
72MAXKH36SO	36	M10	48	35	19	14	32.2
72MAXKH42SO	42	M10	48	45	19	14	36.3
72MAXKH52SO	52	M10	65	50	22	14	89.7

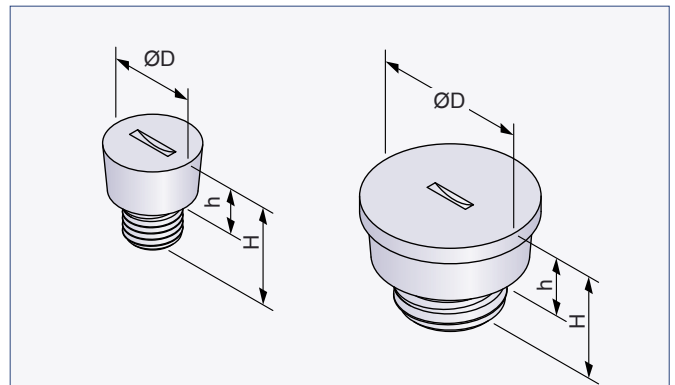


Picture 4 Magnetic retaining cap

KH sealing caps (stainless steel)

Table 5: Sealing cap (stainless steel with slot)

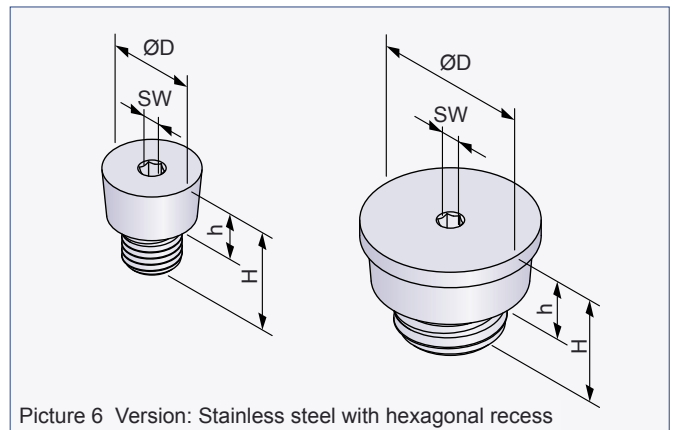
Ref.-No.	Type [RD/M]	Dimensions [mm]			Weight [kg/100 pcs.]
		ØD	H	h	
72ASO12VA-S	12	27	30	15	10.0
72ASO14VA-S	14	27	30	15	10.0
72ASO16VA-S	16	27	30	15	10.0
72ASO18VA-S	18	27	30	15	10.0
72ASO20VA-S	20	27	30	15	10.0
72ASO24VA-S	24	27	30	15	11.0
72ASO30VA-S	30	48	35	19	35.0
72ASO36VA-S	36	48	35	19	40.0
72ASO42VA-S	42	48	35	19	42.0
72ASO52VA-S	52	65	40	22	77.0



Picture 5 Version: Sealing cap (stainless steel with slot)

Table 6: Sealing cap with hexagonal recess

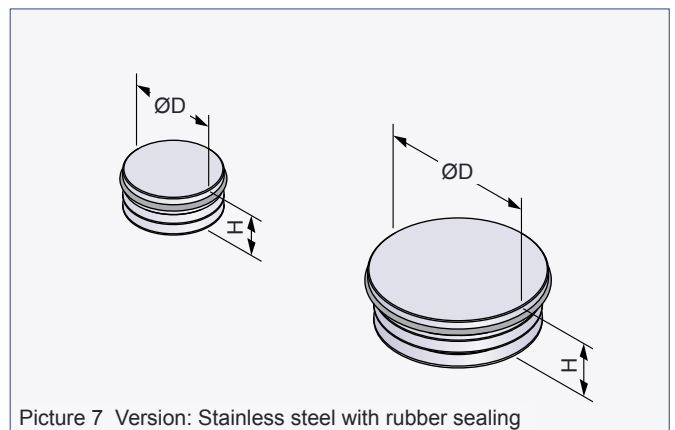
Ref.-No.	Type [RD/M]	Dimensions [mm]					Weight [kg/100 pcs.]
		ØD	H	h	SW		
72ASO12VA-ISK	12	27	30	15	6	8.0	
72ASO14VA-ISK	14	27	30	15	6	9.0	
72ASO16VA-ISK	16	27	30	15	6	9.0	
72ASO18VA-ISK	18	27	30	15	6	10.0	
72ASO20VA-ISK	20	27	30	15	6	10.0	
72ASO24VA-ISK	24	27	30	15	6	11.0	
72ASO30VA-ISK	30	48	35	19	6	35.0	
72ASO36VA-ISK	36	48	35	19	6	40.0	
72ASO42VA-ISK	42	48	35	19	6	42.0	
72ASO52VA-ISK	52	65	40	22	8	77.0	



Picture 6 Version: Stainless steel with hexagonal recess

Table 7: Sealing cap (flush to surface)

Ref.-No.	Type [RD/M]	Dimensions [mm]		Weight [kg/100 pcs.]
		ØD	H	
72ASO1224VA	12 - 24	27	15	4.3
72ASO3042VA	30 - 42	48	17	17.2
72ASO52VA	52	65	20	39.7

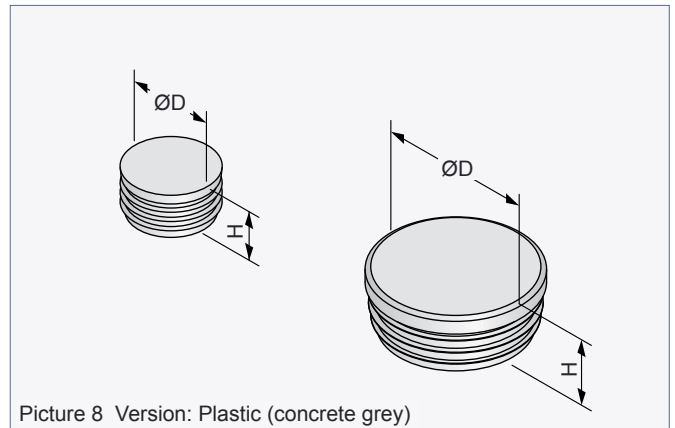


Picture 7 Version: Stainless steel with rubber sealing

KH sealing caps (plastic)

Table 8: Sealing cap (flush to surface)

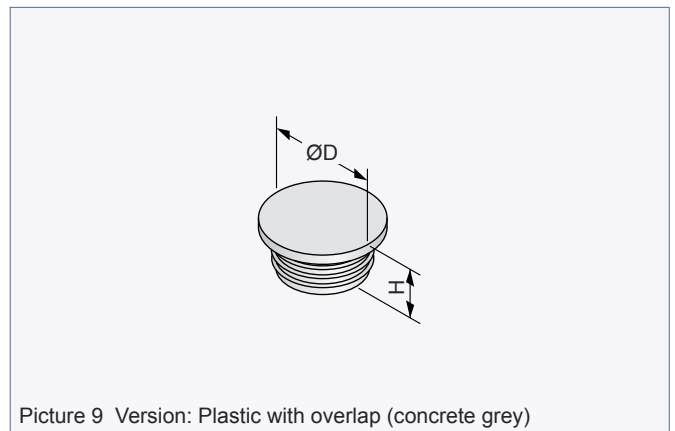
Ref.-No.	Type	Dimensions [mm]		Weight [kg/100 pcs.]
	[RD/M]	ØD	H	
72ASO1224PLAN	12 - 24	27	15	0.30
72ASO3042PLAN	30 - 42	48	19	0.80
72ASO52PLAN	52	65	21	1.80



Picture 8 Version: Plastic (concrete grey)

Table 9: Sealing cap (with overlap)

Ref.-No.	Type	Dimensions [mm]		Weight [kg/100 pcs.]
	[RD/M]	ØD	H	
72ASO	12 - 24	34	16	0.43

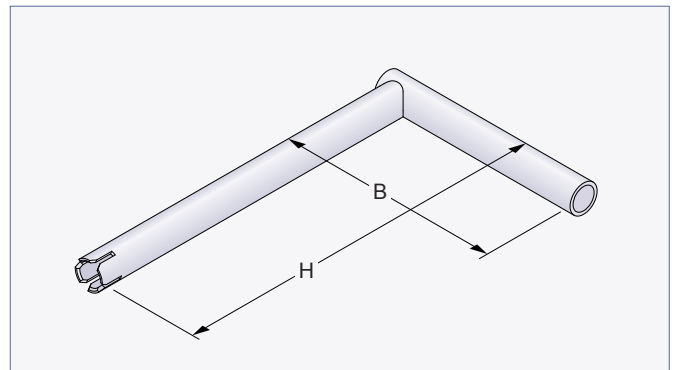


Picture 9 Version: Plastic with overlap (concrete grey)

Accessories

Table 10: Angled key for plastic retaining cap

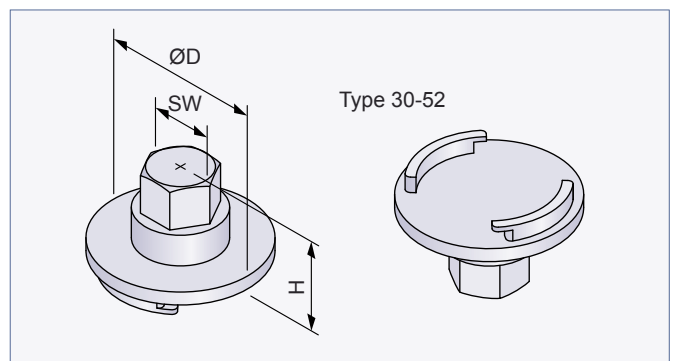
Ref.-No.	B [mm]	H [mm]	Weight [kg/pc.]
67WS	130	220	0.34



Picture 10 Angled key for Plastic retaining caps (72KH...)

Table 11: Key for Magnetic recess former

Ref.-No.	B [mm]	H [mm]	SW [mm]	Weight [kg/pc.]
67MAXKHST-S3042	130	220	19	0.22



Picture 11 Key for Magnetic recess former (72MAXKH__ST)