

**TÜV  
PROFI  
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ZERTIFIKAT-NR 73 100 1561 *ISO 9001*

**PHILIPP**  
GROUP

## PHILIPP Cast-in Lifting Hoop



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**PHILIPP Cast-in lifting Hoop**  
Load bearing capacity and dimensions

Maximum Beam/Girder mass with Design Factor 3:1 (4 point lift)															
Art. No	Load Label WLL (t)	2 Crane Vertical Lift (5° allowance)			Single Crane Lift Sling angle 60° (30° from vertical)			Installation Depth		Dimensions and Weight of the Cast-in Lifting Hoops			Protection Tube Specification		
		Dynamic Factor 1.5	Dynamic Factor 1.7	Dynamic Factor 2.0	Dynamic Factor 1.5	Dynamic Factor 1.7	Dynamic Factor 2.0	Installation Depth (mm)	Overhang (mm)	H (mm)	B (mm)	ØD <sub>1</sub> (mm)	Weight/ Loop (kg)	ØD <sub>2</sub> (mm)	t <sub>e</sub> (mm)
442040	4	10.6	9.4	8.0	9.2	8.1	6.9	240	100	340	150	12	0.50	42.4	6.3
442052	5.2	13.8	12.2	10.4	12.0	10.6	9.0	260	105	365	165	14	0.72	51.0	7.1
442063	6.3	16.7	14.8	12.5	14.5	12.8	10.9	280	100	380	180	16	1.00	60.3	8.0
442080	8	21.2	18.7	15.9	18.5	16.3	13.9	320	120	440	205	18	1.44	63.5	8.8
442100	10	26.6	23.4	19.9	23.1	20.4	17.3	390	125	515	245	20	2.08	70.0	10.0
442125	12.5	33.2	29.3	24.9	28.9	25.5	21.6	420	150	570	270	22	2.80	82.5	11.0
442160	16	42.5	37.5	31.9	36.9	32.6	27.7	450	155	605	286	24	3.94	88.9	12.5
442200	20	53.1	46.9	39.8	46.2	40.7	34.6	550	180	730	345	28	5.89	101.6	14.2
442250	25	66.4	58.6	49.8	57.7	50.9	43.3	580	200	780	375	32	8.26	114.3	16.0
442280	28	74.4	65.6	55.8	64.6	57.0	48.5	590	210	800	375	32	9.70	114.3	16.0
442320	32	85.0	75.0	63.7	73.9	65.2	55.4	630	250	880	426	32	11.10	114.3	17.5
442370	37	98.3	86.7	73.7	85.4	75.4	64.1	670	280	950	440	36	15.20	139.7	20.0
442420	42	111.6	98.4	83.7	97.0	85.6	72.7	700	300	1000	480	38	19.30	139.7	20.0
442470	47	124.8	110.1	93.6	108.5	95.7	81.4	770	330	1100	520	44	20.90	159.0	22.2
442520	52	138.1	121.9	103.6	120.1	105.9	90.0	850	350	1200	550	44	27.10	168.3	22.2
442570	55	151.4	133.6	113.5	131.6	116.1	98.7	950	400	1350	645	44	30.80	168.3	22.2
442650	65	172.6	152.3	129.5	150.1	132.4	112.6	1000	430	1430	690	48	36.10	177.8	25.0
442750	75	199.2	175.8	149.4	173.2	152.8	129.9	1070	460	1530	725	50	46.10	182.0	28.0
442850	85	225.8	199.2	169.3	196.2	173.2	147.2	1170	510	1680	850	52	55.10	182.0	28.0
442950	95	252.3	222.6	189.2	219.3	193.5	164.5	1250	550	1800	900	52	67.60	182.0	28.0

The dimensions H and B are values for orientation which can vary depending on the location of the fixation band. The rope diameter ØD is also a value for orientation and can vary depending on the rope construction.

**This is only an extract from the installation instruction and applies only with the complete installation instructions. For all cast in lifting hoops, additional reinforcement may be necessary. It must be calculated for every installation situation. Edge and axial distances must also be determined.**