

**TÜV  
PROFI  
CERT** © TÜV Hessen  
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

Max Beam weight with Design Factor 4:1 (4 point lift) in accordance with MRTS73 (2019)																		
Art. No	Load Label WLL (t)	2 Crane Vertical Lift (5° allowance)				Single Crane Lift (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	max. Unit Weight WLL (t)	max. Unit Weight WLL (t)	Dynamic Factor 1.5	Dynamic Factor 1.7	Dynamic Factor 2.0	max. Unit Weight WLL (t)	e (mm)	f (mm)	H (mm)	Dimensions		Weight	ØD <sub>1</sub> (mm)	t <sub>1</sub> (mm)
														B (mm)	ØD <sub>2</sub> (mm)			
442040	4	8.0	7.0	6.0	6.9	6.1	5.2	240	100	340	150	12	0.50	42.4	6.3			
442052	5.2	10.4	9.1	7.8	9.0	7.9	6.8	260	105	365	165	14	0.72	51.0	7.1			
442063	6.3	12.5	11.1	9.4	10.9	9.6	8.2	280	100	380	180	16	1.00	60.3	8.0			
442080	8	15.9	14.1	12.0	13.9	12.2	10.4	320	120	440	205	18	1.44	63.5	8.8			
442100	10	19.9	17.6	14.9	17.3	15.3	13.0	390	125	515	245	20	2.08	70.0	10.0			
442125	12.5	24.9	22.0	18.7	21.6	19.1	16.2	420	150	570	270	22	2.80	82.5	11.0			
442160	16	31.9	28.1	23.9	27.7	24.4	20.8	450	155	605	286	24	3.94	86.9	12.5			
442200	20	39.8	35.2	29.9	34.6	30.6	26.0	550	180	730	345	28	5.89	101.6	14.2			
442250	25	49.8	43.9	37.4	43.3	38.2	32.5	580	200	780	375	32	8.26	114.3	16.0			
442280	28	55.8	49.2	41.8	48.5	42.8	36.4	590	210	800	375	32	9.7	114.3	16.0			
442320	32	63.7	56.2	47.8	55.4	48.9	41.6	630	250	880	426	32	11.1	114.3	17.5			
442370	37	73.7	65.0	55.3	64.1	56.5	48.1	670	280	950	440	36	15.2	139.7	20.0			
442420	42	83.7	73.8	62.7	72.7	64.2	54.5	700	300	1000	480	38	19.3	139.7	20.0			
442470	47	93.6	82.6	70.2	81.4	71.8	61.0	770	330	1100	520	44	20.9	159.0	22.2			
442520	52	103.6	91.4	77.7	90.0	79.4	67.5	850	350	1200	550	44	27.1	168.3	22.2			
442570	57	113.5	100.2	85.2	98.7	87.1	74.0	950	400	1350	645	44	30.8	168.3	22.2			
442650	65	129.5	114.2	97.1	112.6	99.3	84.4	1000	430	1430	690	48	36.1	177.8	25.0			
442750	75	149.4	131.8	112.1	129.9	114.6	97.4	1070	460	1530	725	50	46.1	182.0	28.0			
442850	85	169.3	149.4	127.0	147.2	129.9	110.4	1170	510	1680	850	52	55.1	182.0	28.0			
442950	95	189.2	167.0	141.9	164.5	145.1	123.4	1250	550	1800	900	52	67.6	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.**