

Load chart Threaded Lifting Pins



					attachement type																					
					number of strands	1	1	1	2	2	2	2	2	3 / 4	3 / 4	3 / 4										
					angle of inclination β	0°-7°	7°-45°	>45°-90°	0°-7°	90°	0-45°	>45-60°	unbalanced	0-45°	>45-60°	unbalanced										
					factor	1	1	1	2	2	1,4	1	1	2,1	1,5	1										
					EH 22352.	EH 22352.	EH 22353.	Thread	for max. total load weight in kilograms, lifting pin applied and direction of pull adjusted																	
factor of safety 5:1					heat-treated steel				0008	2008	0008	M8	210	90	80	420	160	126	90	90	189	135	90			
									0010	2010	0010	M10	390	150	150	780	300	210	150	150	315	225	150			
									0012	2012	0012	M12	620	250	230	1.240	460	350	250	250	525	375	250			
									0014			M14	780	420	290	1.560	580	588	420	420	882	630	420			
									0016	2016	0016	M16	840	450	420	1.680	840	630	450	450	945	675	450			
									0020	2020		M20	1.660	770	580	3.320	1.160	1.078	770	770	1.617	1.155	770			
											0020	M20	1.660	770	500	3.320	1.000	1.078	770	770	1.617	1.155	770			
									0024	2024		M24	2.300	1.110	860	4.600	1.720	1.554	1.110	1.110	2.331	1.665	1.110			
											0024	M24	1.850	1.110	860	3.700	1.720	1.554	1.110	1.110	2.331	1.665	1.110			
					0027			M27	3.380	1.570	1.370	6.760	2.740	2.198	1.570	1.570	3.297	2.355	1.570							
					0030			M30	4.230	2.150	1.550	8.460	3.100	3.010	2.150	2.150	4.515	3.225	2.150							
					stainless steel				1008	3008	1008	M8	210	90	80	420	160	126	90	90	189	135	90			
									1010	3010	1010	M10	390	150	150	780	300	210	150	150	315	225	150			
									1012	3012	1012	M12	620	250	230	1.240	460	350	250	250	525	375	250			
									1016	3016	1016	M16	840	450	420	1.680	840	630	450	450	945	675	450			
									1020	3020		M20	1.000	770	580	2.000	1.160	1.078	770	770	1.617	1.155	770			
											1020	M20	1.660	770	500	3.320	1.000	1.078	770	770	1.617	1.155	770			
									1024	3024		M24	2.300	1.110	860	4.600	1.720	1.554	1.110	1.110	2.331	1.665	1.110			
		1024	M24	1.800					1.110	860	3.600	1.720	1.554	1.110	1.110	2.331	1.665	1.110								
									EH 2B352.	EH 2B353.	Thread	for max. total load weight in lbs, lifting pin applied and direction of pull adjusted														
factor of safety 5:1				heat-treated steel				0012		0012	1/2"-13	1.528	764	607	3.056	1.214	1.070	764	764	1.604	1.146	764				
								0020			3/4"-10	3.619	1.731	1.281	7.238	2.562	2.423	1.731	1.731	3.635	2.597	1.731				
										0020	3/4"-10	3.619	1.731	1.124	7.238	2.248	2.423	1.731	1.731	3.635	2.597	1.731				
								0024			1"-8	6.766	3.147	2.225	13.532	4.450	4.406	3.147	3.147	6.609	4.721	3.147				
										0024	1"-8	4.159	3.147	2.225	8.318	4.450	4.406	3.147	3.147	6.609	4.721	3.147				
								stainless steel				1012			1/2"-13	1.528	764	607	3.056	1.214	1.070	764	764	1.604	1.146	764
												1020			3/4"-10	2.248	1.731	1.281	4.496	2.562	2.423	1.731	1.731	3.635	2.597	1.731
														1020	3/4"-10	3.619	1.731	1.124	7.238	2.248	2.423	1.731	1.731	3.635	2.597	1.731
												1024			1"-8	6.766	3.147	2.225	13.532	4.450	4.406	3.147	3.147	6.609	4.721	3.147
		1024	1"-8	4.046	3.147	2.225	8.092					4.450	4.406	3.147	3.147	6.609	4.721	3.147								

In the case of one and two parallel attachment strands, angles of inclination of max. $\pm 7^\circ$ can be assumed to be vertical. For two-, three- and four-strand lifting equipment, angles of inclination less than 15° should be avoided as far as possible (risk of instability).