

**Conversion table pressure - force HIA**

**Metrical**

Pressure		HIA-06	HIA-10	HIA-12	HIA-17	HIA-22	HIA-30
bar	psi	Pulling force [kg]	Pulling force [kg]	Pulling force [kg]	Pulling force [kg]	Pulling force [kg]	Pulling force [kg]
20	290	123	123	179	179	231	291
40	580	246	246	359	359	461	583
60	870	369	369	538	538	692	874
80	1160	492	492	717	717	922	1.166
100	1450	615	615	897	897	1.153	1.457
120	1740	738	738	1.076	1.076	1.383	1.749
140	2031	861	861	1.255	1.255	1.614	2.040
160	2321	984	984	1.435	1.435	1.845	2.331
180	2611	1.107	1.107	1.614	1.614	2.075	2.623
200	2901	1.230	1.230	1.793	1.793	2.306	2.914
220	3191	1.353	1.353	1.973	1.973	2.536	3.206
240	3481	1.476	1.476	2.152	2.152	2.767	3.497
260	3771	1.599	1.599	2.331	2.331	2.997	3.788
280	4061		1.722	2.511	2.511	3.228	4.080
300	4351		1.845	2.690	2.690	3.459	4.371
320	4641		1.968	2.869	2.869	3.689	4.663
340	4931		2.091	3.049	3.049	3.920	4.954
360	5221		2.214		3.228	4.150	5.246
380	5511		2.336		3.407	4.381	5.537
400	5802		2.459		3.587	4.612	5.828
420	6092		2.582		3.766	4.842	6.120
440	6382		2.705		3.945	5.073	6.411

**Imperial**

Pressure		HIA-06	HIA-10	HIA-12	HIA-17	HIA-22	HIA-30
bar	psi	Pulling force [lb]	Pulling force [lb]	Pulling force [lb]	Pulling force [lb]	Pulling force [lb]	Pulling force [lb]
20	290	271	271	395	395	508	642
40	580	542	542	791	791	1.017	1.285
60	870	813	813	1.186	1.186	1.525	1.927
80	1160	1.084	1.084	1.581	1.581	2.033	2.570
100	1450	1.356	1.356	1.977	1.977	2.542	3.212
120	1740	1.627	1.627	2.372	2.372	3.050	3.855
140	2031	1.898	1.898	2.768	2.768	3.558	4.497
160	2321	2.169	2.169	3.163	3.163	4.067	5.140
180	2611	2.440	2.440	3.558	3.558	4.575	5.782
200	2901	2.711	2.711	3.954	3.954	5.083	6.425
220	3191	2.982	2.982	4.349	4.349	5.592	7.067
240	3481	3.253	3.253	4.744	4.744	6.100	7.710
260	3771	3.524	3.524	5.140	5.140	6.608	8.352
280	4061		3.796	5.535	5.535	7.117	8.995
300	4351		4.067	5.931	5.931	7.625	9.637
320	4641		4.338	6.326	6.326	8.133	10.280
340	4931		4.609	6.721	6.721	8.642	10.922
360	5221		4.880		7.117	9.150	11.565
380	5511		5.151		7.512	9.658	12.207
400	5802		5.422		7.907	10.167	12.849
420	6092		5.693		8.303	10.675	13.492
440	6382		5.964		8.698	11.183	14.134