



Vickers by Danfoss ® VG Bore and Rod

Engineered for the durability required for Medium-duty applications.

To choose the proper size of cylinder for your application, first determine the maximum push or pull force required to do the job. Remember that force capabilities derived from charts and formulas may be theoretically correct, but other factor must be considered. Be sure to allow for pressure drop between pump outlet and cylinder port. Also some of a cylinder force is used up overcoming application and seal friction, to a lesser extent the inertia of the piston itself.

Operating pressure (de-rating if applicable) will be noted on 2D downloadable PDF. These ratings do not consider application restraints.

Bore ϕ in	Rod ϕ in	Work Area (in ²)	Maximum Force (lb _f) At working pressure(psi)					
			500 (psi)	750 (psi)	1000 (psi)	1500 (psi)	2000 (psi)	3000 (psi)
10	4.5	62.636	31318	46977	62636	93953	125271	187907
	5	58.905	29453	44179	58905	88358	117810	176715
	5.5	54.782	27391	41086	54782	82172	109563	164345
	7	40.055	20028	30042	40055	60083	80111	120166
12	5.5	89.339	44670	67004	89339	134009	178679	268018
	7	74.613	37307	55960	74613	111920	149226	223839
	8	62.832	31416	47124	62832	94248	125664	188496
14	7	115.454	57727	86590	115454	173181	230908	346361
	8	103.673	51836	77755	103673	155509	207346	311018
	9	90.321	45161	67741	90321	135482	180642	270963
	10	75.398	37699	56549	75398	113098	150797	226195
16	8	150.797	75398	113098	150797	226195	301594	452390
	9	137.445	68723	103084	137445	206168	274890	412335
	10	122.522	61261	91892	122522	183784	245045	367567
18	9	190.852	95426	143139	190852	286278	381704	572557
	10	175.930	87965	131947	175930	263894	351859	527789
20	10	235.620	117810	176715	235620	353430	471240	706860



This product is intended for users having technical expertise. Improper use, selection or application of the cylinders and/or their related accessories can cause or result in Death, Bodily Injury and/or Property Damage. For assistance, please consult a Danfoss representative at 952-937-9800.