

USEFUL CONVERSION FACTORS – APPROXIMATE

MULTIPLY	→	BY	→	TO OBTAIN
TO OBTAIN	←	BY	←	DIVIDE
bars		1.0197		kg f/cm ²
		100.0		kPa
		14.504		lbf/in ²
		0.1		MPa
kg f/cm ²		14.223		lbf/in ²
		98.07		kPa
		0.09807		MPa
kg f/mm ²		1422.33		lbf/in ²
		9.807		MPa
		0.635		ton f/in ²

MULTIPLY	→	BY	→	TO OBTAIN
TO OBTAIN	←	BY	←	DIVIDE
lb f/in ² (PSI)		6.895		kPa
		0.00689		MPa
ton f/in ²		15.444		MPa

APPROXIMATE EQUIVALENTS		
1 Atmosphere (atm)	=	14.696 lbf/in ²
1 bar	=	14.50 lbf/in ²
1 kg f/cm ²	=	14.22 lbf/in ²
100 kPa (1 bar)	=	14.50 lbf/in ²

NOTE: lbf/in² (pounds force per square inch) is often expressed as PSI (pounds per square inch)