

Technical information

.....PRESSURE AND STRESS

<i>Multiply</i>	<i>By</i>	<i>To Obtain</i>
atmosphere (14.6959 lb/inch ²)	101,325.	pascal (Pa)
bar	100,000.*	pascal (Pa)
bar	14,50377	pound/inch ²
bar	100,000.*	newton/meter ² (N/m ²)
kilogram/centimeter ²	14,22334	pound/inch ²
kilogram/meter ²	9,806650*	newton/meter ² (N/m ²)
kilogram/meter ²	9,806650*	pascal (Pa)
kilonewton/meter ²	0,1450377	pound/inch ²
newton/centimeter ²	1,450377	pound/inch ²
newton/meter ²	0,00001*	bar
newton/meter ²	1.0*	pascal (Pa)
newton/meter ²	0,0001450377	pound/inch ²
newton/meter ²	0,1019716	kilogram/meter ²
newton/millimeter ²	145,0377	pound/inch ²
newton/millimeter ²	0,064749	tons/inch ²
newton/millimeter ²	0,00001*	bar
pascal	0,1019716	kilogram/meter ²
pascal	1.0*	newton/meter ² (N/m ²)
pascal	0,0001450377	pound/inch ²
pound/inch ²	0,06894757	bar
pound/inch ²	0,07030697	kilogram/centimeter ²
pound/inch ²	0,6894757	newton/centimeter ²
pound/inch ²	6,894757	kilonewton/meter ²
pound/inch ²	6,894,757	newton/meter ² (N/m ²)
pound/inch ²	0,006894757	newton/millimeter (N/mm ²)
pound/inch ²	6,894,757	pascal (Pa)

* EXACT FIGURE

FORCE

<i>Multiply</i>	<i>By</i>	<i>To Obtain</i>
kilogram-force	0,0009842	tons
kilogram-force	9,806650*	newton (N)
kilogram-force	2,2046	pound-force
kilopond	9,806650	newton (N)
newton	0,1019716	kilogram-force
newton	0,1019716	kilopond
newton	0,2248089	pound-force
newton	0,0001004	tons
pound-force	0,0004464	tons
pound-force	0,453597	kilogram-force
tons	9964	newton (N)
tons	1016	kilogram-force

* EXACT FIGURE

BENDING MOMENT OR TORQUE

<i>Multiply</i>
kilogram-meter
newton-meter
newton-meter
pound-foot

PIPE WALL THICKNESS CHART

Nominal pipe size (in)	Schedule no.	MSS	SIS	Wall thickness (in)	Inside diameter (in)	Nominal pipe size (in)	Schedule no.	MSS	SIS	Wall thickness (in)
1/8	40ST	80SX	80S	0,049	0,307	1 1/2	40ST	80SX	80S	0,06
				0,088	0,269					0,10
(0,405)	80SX	80S	80S	0,095	2,15	(1,999)	80SX	80S	80S	0,14
				0,065	4,10					0,20
1/4	40ST	80SX	80S	0,088	3,64	2	40ST	80SX	80S	0,28
				0,119	3,02					0,40
(0,540)	80SX	80S	80S	0,085	5,45	(2,375)	40ST	80SX	80S	0,06
				0,091	4,93					0,10
3/8	40ST	80SX	80S	0,126	4,23	(2,875)	160	160	160	0,34
				0,085	7,10					0,43
(0,875)	80SX	80S	80S	0,083	6,74	2 1/2	40ST	80SX	80S	0,08
				0,109	6,22					0,12
1/2	40ST	80SX	80S	0,147	5,46	(3,500)	40ST	80SX	80S	0,20
				0,188	4,64					0,27
(1,050)	80SX	80S	80S	0,294	2,52	(3,500)	160	160	160	0,37
				0,085	9,20					0,55
3/4	40ST	80SX	80S	0,083	8,84	(3,500)	40ST	80SX	80S	0,06
				0,113	8,24					0,12
1	80SX	80S	80S	0,154	7,42	(3,500)	40ST	80SX	80S	0,21
				0,219	6,12					0,30
1	40ST	80SX	80S	0,085	4,34	(3,500)	160	160	160	0,43
				0,109	1,97					0,60
(1,315)	80SX	80S	80S	0,133	1,049	(4,0)	40ST	80SX	80S	0,06
				0,179	0,957					0,12
1 1/4	40ST	80SX	80S	0,250	0,815	(4,5)	40ST	80SX	80S	0,22
				0,358	0,599					0,31
(1,660)	80SX	80S	80S	0,065	1,530	(4,5)	160	160	160	0,06
				0,109	1,442					0,12
1 1/2	40ST	80SX	80S	0,140	1,390	(4,5)	40ST	80SX	80S	0,23
				0,191	1,278					0,33
1 3/4	80SX	80S	80S	0,280	1,160	(4,5)	160	160	160	0,43
				0,382	0,896					0,51
2	40ST	80SX	80S	0,085	1,185	(4,5)	160	160	160	0,67
				0,109	1,097					0,86