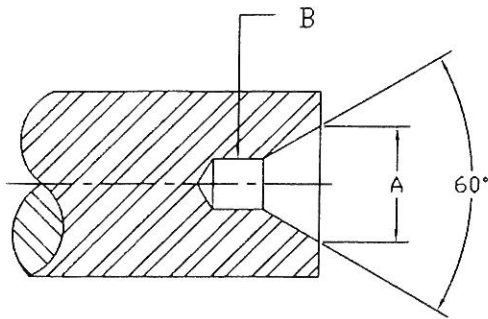
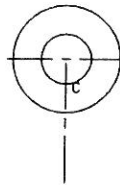


CENTER HOLE SPECIFICATIONS

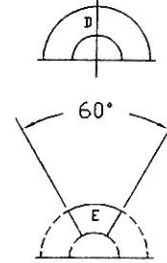


END VIEW

CENTERHOLE AREA



EFFECTIVE AREA



AREA OF
CONCENTRATED LOAD

CALCULATED DATA

WEIGHT OF WORKPIECE	A IN	B IN	C IN ²	D IN ²	E IN ²	F LB/IN ²	G LB/IN ²
1 LB	$\frac{5}{32}$	$\frac{3}{32}$	.024	.012	.004	72	25
10 LB	$\frac{1}{4}$	$\frac{1}{8}$	.072	.036	.012	239	100
50 LB	$\frac{5}{16}$	$\frac{3}{16}$	.096	.048	.016	899	324
100 LB	$\frac{3}{8}$	$\frac{3}{16}$	.165	.083	.027	1066	451
500 LB	$\frac{5}{8}$	$\frac{5}{16}$	.456	.228	.075	1919	814
$\frac{1}{2}$ TON	$\frac{3}{4}$	$\frac{3}{8}$	.596	.298	.099	2908	1130
1 TON	1	$\frac{1}{2}$	1.17	.508	.194	2968	1270
5 TON	$1\frac{3}{8}$	$\frac{3}{4}$	2.07	1.03	.343	8395	3363
10 TON	$1\frac{3}{4}$	1	3.23	1.61	.536	10,770	4157
15 TON	2	1	4.70	2.35	.783	11,033	4773
20 TON	$2\frac{1}{4}$	$1\frac{1}{8}$	6.03	3.01	1.00	11,520	5028
25 TON	$2\frac{1}{2}$	$1\frac{1}{4}$	7.36	3.68	1.23	11,206	5092
30 TON	$2\frac{3}{4}$	$1\frac{3}{8}$	8.88	4.44	1.47	11,755	5049
40 TON	$3\frac{1}{8}$	$1\frac{1}{2}$	11.8	5.90	1.96	11,755	5214
60 TON	$3\frac{3}{4}$	$1\frac{3}{4}$	17.3	8.65	2.88	11,980	5431
100 TON	$4\frac{3}{4}$	$2\frac{1}{4}$	27.5	13.75	4.58	12,576	5642
200 TON	7	$3\frac{1}{2}$	57.66	28.83	9.61	11,985	5196

A=CENTERHOLE DIAMETER

B=PILOTHOLE DIAMETER

C=CENTERHOLE AREA

D=EFFECTIVE
CENTERHOLE AREA

E=AREA OF
CONCENTRATED LOAD

F=STRESS ON "E"

G=SHEAR STRESS ON
CENTERPOINT AT "A"