

THE "WIZARD" Welded-DA-37° JIC Male Ports



FEATURES:

- Honed tubing
- Chromed, ground & polished rod
- Ductile iron piston & gland
- Optional end fittings available
- Urethane u-cup and wiper
- Crown seal standard, "T" seal optional
- Wear ring on piston
- Thread in gland with o-ring to protect threads
- Standard color is gloss black

Model No.	Style	Wt.	PSI	Column Load (Lbs)	Ret (B)	Rod Dia.	A	C	D (Dia.)	E (45°)	Crosstube Adder (F)	Tang Adder (G)	Clevis Adder (G)	Ports
F150040	1 1/2 X 4	7	3000	FULL PSI	9 1/2	3/4	3/16	1	.760	.22	3/4	1 3/4	1 3/4	9/16-37°
F150060	1 1/2 X 6	8	3000	FULL PSI	11 1/2	3/4	3/16	1	.760	.22	3/4	1 3/4	1 3/4	9/16-37°
F150080	1 1/2 X 8	8	3000	FULL PSI	13 1/2	3/4	3/16	1	.760	.22	3/4	1 3/4	1 3/4	9/16-37°
F150100	1 1/2 X 10	9	3000	4,770 LBS	15 1/2	3/4	3/16	1	.760	.22	3/4	1 3/4	1 3/4	9/16-37°
F150120	1 1/2 X 12	10	3000	3,640 LBS	17 1/2	3/4	3/16	1	.760	.22	3/4	1 3/4	1 3/4	9/16-37°
F150160	1 1/2 X 16	10	3000	2,315 LBS	21 1/2	3/4	3/16	1	.760	.22	3/4	1 3/4	1 3/4	9/16-37°
F150200	1 1/2 X 20	12	3000	1,600 LBS	25 1/2	3/4	3/16	1	.760	.22	3/4	1 3/4	1 3/4	9/16-37°
F150240	1 1/2 X 24	14	3000	1,175 LBS	29 1/2	3/4	3/16	1	.760	.22	3/4	1 3/4	1 3/4	9/16-37°
F175040	1 3/4 X 4	9	3000	FULL PSI	9 1/2	1	3/16	1	.760	.22	3/4	1 3/4	1 3/4	9/16-37°
F175060	1 3/4 X 6	10	3000	FULL PSI	11 1/2	1	3/16	1	.760	.22	3/4	1 3/4	1 3/4	9/16-37°
F175080	1 3/4 X 8	11	3000	FULL PSI	13 1/2	1	3/16	1	.760	.22	3/4	1 3/4	1 3/4	9/16-37°
F175100	1 3/4 X 10	12	3000	FULL PSI	15 1/2	1	3/16	1	.760	.22	3/4	1 3/4	1 3/4	9/16-37°
F175120	1 3/4 X 12	13	3000	FULL PSI	17 1/2	1	3/16	1	.760	.22	3/4	1 3/4	1 3/4	9/16-37°
F175160	1 3/4 X 16	15	3000	7,120 LBS	21 1/2	1	3/16	1	.760	.22	3/4	1 3/4	1 3/4	9/16-37°
F175200	1 3/4 X 20	17	3000	4,935 LBS	25 1/2	1	3/16	1	.760	.22	3/4	1 3/4	1 3/4	9/16-37°
F175240	1 3/4 X 24	20	3000	3,620 LBS	29 1/2	1	3/16	1	.760	.22	3/4	1 3/4	1 3/4	9/16-37°
F200040	2 X 4	12	3000	FULL PSI	9 1/2	1 1/8	3/16	1	.760	.25	3/4	1 3/4	1 3/4	9/16-37°
F200060	2 X 6	13	3000	FULL PSI	11 1/2	1 1/8	3/16	1	.760	.25	3/4	1 3/4	1 3/4	9/16-37°
F200080	2 X 8	14	3000	FULL PSI	13 1/2	1 1/8	3/16	1	.760	.25	3/4	1 3/4	1 3/4	9/16-37°
F200100	2 X 10	15	3000	FULL PSI	15 1/2	1 1/8	3/16	1	.760	.25	3/4	1 3/4	1 3/4	9/16-37°
F200120	2 X 12	17	3000	FULL PSI	17 1/2	1 1/8	3/16	1	.760	.25	3/4	1 3/4	1 3/4	9/16-37°
F200160	2 X 16	18	3000	FULL PSI	21 1/2	1 1/8	3/16	1	.760	.25	3/4	1 3/4	1 3/4	9/16-37°
F200200	2 X 20	22	3000	7,855 LBS	25 1/2	1 1/8	3/16	1	.760	.25	3/4	1 3/4	1 3/4	9/16-37°
F200240	2 X 24	24	3000	5,760 LBS	29 1/2	1 1/8	3/16	1	.760	.25	3/4	1 3/4	1 3/4	9/16-37°
F200300	2 X 30	28	3000	3,900 LBS	35 1/2	1 1/8	3/16	1	.760	.25	3/4	1 3/4	1 3/4	9/16-37°
F225040	2 1/4 X 4	14	3000	FULL PSI	9 1/2	1 1/4	3/16	1	.760	.25	3/4	1 3/4	1 3/4	9/16-37°
F225060	2 1/4 X 6	15	3000	FULL PSI	11 1/2	1 1/4	3/16	1	.760	.25	3/4	1 3/4	1 3/4	9/16-37°
F225080	2 1/4 X 8	16	3000	FULL PSI	13 1/2	1 1/4	3/16	1	.760	.25	3/4	1 3/4	1 3/4	9/16-37°
F225100	2 1/4 X 10	18	3000	FULL PSI	15 1/2	1 1/4	3/16	1	.760	.25	3/4	1 3/4	1 3/4	9/16-37°
F225120	2 1/4 X 12	19	3000	FULL PSI	17 1/2	1 1/4	3/16	1	.760	.25	3/4	1 3/4	1 3/4	9/16-37°
F225160	2 1/4 X 16	22	3000	FULL PSI	21 1/2	1 1/4	3/16	1	.760	.25	3/4	1 3/4	1 3/4	9/16-37°
F225200	2 1/4 X 20	25	3000	11,900 LBS	25 1/2	1 1/4	3/16	1	.760	.25	3/4	1 3/4	1 3/4	9/16-37°
F225240	2 1/4 X 24	28	3000	8,730 LBS	29 1/2	1 1/4	3/16	1	.760	.25	3/4	1 3/4	1 3/4	9/16-37°
F225300	2 1/4 X 30	33	3000	5,912 LBS	35 1/2	1 1/4	3/16	1	.760	.25	3/4	1 3/4	1 3/4	9/16-37°
F250040	2 1/2 X 4	15	3000	FULL PSI	9 1/2	1 3/8	3/16	1	.760	.31	3/4	1 3/4	1 3/4	9/16-37°
F250060	2 1/2 X 6	17	3000	FULL PSI	11 1/2	1 3/8	3/16	1	.760	.31	3/4	1 3/4	1 3/4	9/16-37°
F250080	2 1/2 X 8	18	3000	FULL PSI	13 1/2	1 3/8	3/16	1	.760	.31	3/4	1 3/4	1 3/4	9/16-37°
F250100	2 1/2 X 10	20	3000	FULL PSI	15 1/2	1 3/8	3/16	1	.760	.31	3/4	1 3/4	1 3/4	9/16-37°
F250120	2 1/2 X 12	21	3000	FULL PSI	17 1/2	1 3/8	3/16	1	.760	.31	3/4	1 3/4	1 3/4	9/16-37°
F250160	2 1/2 X 16	25	3000	FULL PSI	21 1/2	1 3/8	3/16	1	.760	.31	3/4	1 3/4	1 3/4	9/16-37°
F250200	2 1/2 X 20	29	3000	FULL PSI	25 1/2	1 3/8	3/16	1	.760	.31	3/4	1 3/4	1 3/4	9/16-37°
F250240	2 1/2 X 24	32	3000	12,705 LBS	29 1/2	1 3/8	3/16	1	.760	.31	3/4	1 3/4	1 3/4	9/16-37°
F250300	2 1/2 X 30	37	3000	8,605 LBS	35 1/2	1 3/8	3/16	1	.760	.31	3/4	1 3/4	1 3/4	9/16-37°
F250360	2 1/2 X 36	43	3000	6,212 LBS	41 1/2	1 3/8	3/16	1	.760	.31	3/4	1 3/4	1 3/4	9/16-37°
F275040	2 3/4 X 4	16	3000	FULL PSI	9 1/2	1 1/2	3/16	1	.760	.38	3/4	1 3/4	1 3/4	9/16-37°
F275060	2 3/4 X 6	18	3000	FULL PSI	11 1/2	1 1/2	3/16	1	.760	.38	3/4	1 3/4	1 3/4	9/16-37°
F275080	2 3/4 X 8	20	3000	FULL PSI	13 1/2	1 1/2	3/16	1	.760	.38	3/4	1 3/4	1 3/4	9/16-37°
F275100	2 3/4 X 10	22	3000	FULL PSI	15 1/2	1 1/2	3/16	1	.760	.38	3/4	1 3/4	1 3/4	9/16-37°
F275120	2 3/4 X 12	24	3000	FULL PSI	17 1/2	1 1/2	3/16	1	.760	.38	3/4	1 3/4	1 3/4	9/16-37°
F275160	2 3/4 X 16	28	3000	FULL PSI	21 1/2	1 1/2	3/16	1	.760	.38	3/4	1 3/4	1 3/4	9/16-37°
F275200	2 3/4 X 20	32	3000	FULL PSI	25 1/2	1 1/2	3/16	1	.760	.38	3/4	1 3/4	1 3/4	9/16-37°
F275240	2 3/4 X 24	36	3000	FULL PSI	29 1/2	1 1/2	3/16	1	.760	.38	3/4	1 3/4	1 3/4	9/16-37°
F275300	2 3/4 X 30	42	3000	12,120 LBS	35 1/2	1 1/2	3/16	1	.760	.38	3/4	1 3/4	1 3/4	9/16-37°
F275360	2 3/4 X 36	48	3000	8,750 LBS	41 1/2	1 1/2	3/16	1	.760	.38	3/4	1 3/4	1 3/4	9/16-37°



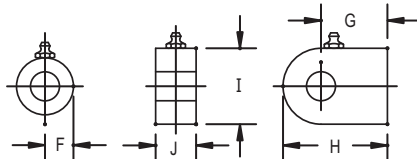
THE WIZARD LINE

3000 PSI EXTENDED DUTY

BASE END FITTINGS

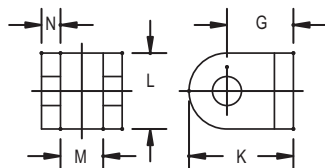
BASE END CROSSTUBE

MODEL	F	LENGTH	CROSSTUBE
F150	3/4	2 1/4	210300217
F175	3/4	2 1/2	210300216
F200	3/4	2 3/4	210300215
F225	3/4	3	210300214
F250	3/4	3 1/4	210300213
F275	3/4	3 1/2	210300210



BASE END TANG DIMENSIONS

MODEL	G	H	I	J	TANG
F150	1 3/4	2 5/8	1 1/2	3/4	130400245
F175	1 3/4	2 5/8	1 1/2	3/4	130400245
F200	1 3/4	2 3/4	2	1	130400244
F225	1 3/4	2 3/4	2	1	130400244
F250	1 3/4	2 7/8	2 1/4	1	130400243
F275	1 3/4	2 7/8	2 1/4	1	130400243



BASE END CLEVIS DIMENSIONS

MODEL	G	K	L	M	N	CLEVIS
F150	1 3/4	2 5/8	1 1/2	7/8	3/8	110000073
F175	1 3/4	2 5/8	1 1/2	7/8	3/8	110000073
F200	1 3/4	2 3/4	2	1 1/8	1/2	110000071
F225	1 3/4	2 3/4	2	1 1/8	1/2	110000071
F250	1 3/4	2 3/4	2	1 1/8	1/2	110000071
F275	1 3/4	2 3/4	2	1 1/8	1/2	110000071

ALL PORTS ARE JIC 37° FLARE
#6 MALE THREADS ARE STANDARD

BASE MODEL NUMBER IDENTIFIES BORE SIZE
EXAMPLE: 225 IS 2 1/4 BORE

STROKE. THE FIRST TWO DIGITS ARE INCHES. THE LAST
DIGIT IS 1/8'S OF AN INCH (CUSTOM MODELS ONLY)*.
EXAMPLE: 243 IS 24 3/8" STROKE

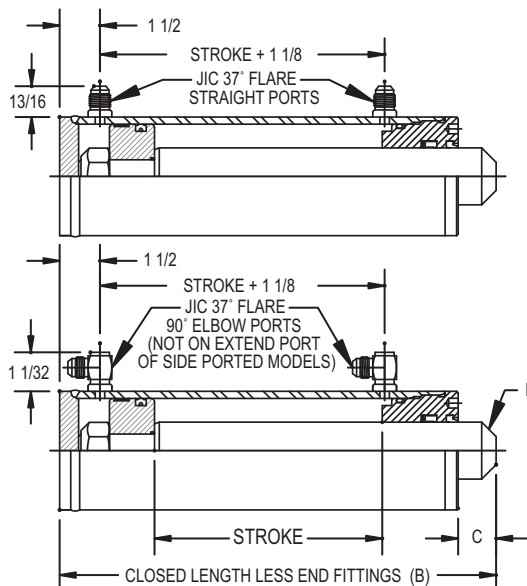
PISTON SEAL:
C=CROWN SEAL
H=HIGH PSI TEFLON SEAL
T="T" SEAL

EXTEND PORT:
S=STRAIGHT
E=90° ELBOW - AVAILABLE ON
TOP PORTED MODELS ONLY

WIZARD LINE BASE MODELS

F150040CSSTNN
F150060CSSTNN
F150080CSSTNN
F150100CSSTNN
F150120CSSTNN
F150160CSSTNN
F150200CSSTNN
F175060CSSTNN
F175080CSSTNN
F200040CSSTNN
F200060CSSTNN
F200300CSSTNN
F250040CSSTNN
F250060CSSTNN
F250160CSSTNN
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F275300CSSTNN

BASIC "WIZARD" CYLINDER



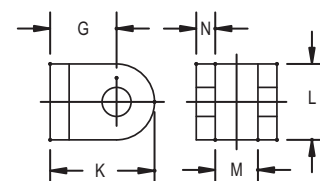
IMPORTANT: EXTEND ROD BEFORE WELDING
ON END FITTINGS. SEAL DAMAGE WILL OCCUR
FROM EXCESSIVE HEAT

ROD END FITTINGS



ROD END CROSSTUBE

MODEL	F	LENGTH	CROSSTUBE
F150	3/4	1 1/2	210300218
F175	3/4	1 1/2	210300218
F200	3/4	1 1/2	210300218
F225	3/4	2	210300211
F250	3/4	2	210300211
F275	3/4	2	210300211



ROD END CLEVIS DIMENSIONS

MODEL	G	K	L	M	N	CLEVIS
F150	1 3/4	2 5/8	1 1/2	7/8	3/8	110000073
F175	1 3/4	2 5/8	1 1/2	7/8	3/8	110000073
F200	1 3/4	2 3/4	2	1 1/8	1/2	110000071
F225	1 3/4	2 3/4	2	1 1/8	1/2	110000071
F250	1 3/4	2 3/4	2	1 1/8	1/2	110000071
F275	1 3/4	2 3/4	2	1 1/8	1/2	110000071

MODEL NUMBER SYSTEM

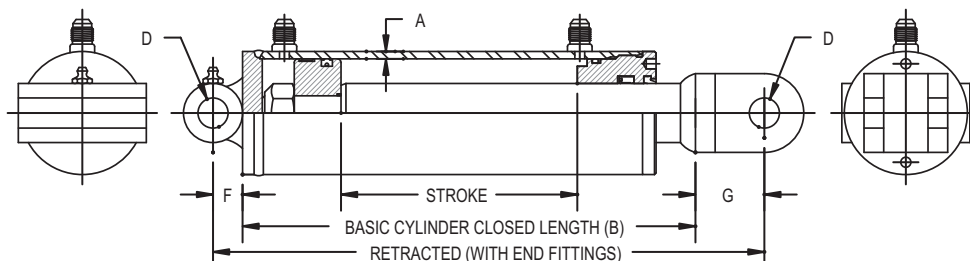
F 2 2 5 2 4 3 C S S T X C

ROD END FITTING: C=CLEVIS
X=CROSSTUBE
N=BLANK

BASE END FITTING: C=CLEVIS
X=CROSSTUBE
T=TANG
N=BLANK

PORT LOCATION:
T=TOP PORT - PERPENDICULAR TO PIN HOLE
S=SIDE PORT - IN LINE WITH PIN HOLE

RETRACT PORT:
S=STRAIGHT
E=90° ELBOW - AVAILABLE ON
TOP AND SIDE PORTED MODELS



* CUSTOM STROKE LENGTHS ARE AVAILABLE. MINIMUM ORDER MAY BE REQUIRED.
CONTACT YOUR SALES REPRESENTATIVE WITH YOUR REQUIREMENTS