

SPAN TABLE 40 psf LIVE / 15 psf DEAD
16" o.c.



STOCK
JOISTS

JOIST SERIES		COMPARABLE TO**							STOCK HANGERS	
7D STOCK JOIST	MAX SPAN	FLANGE	BOISE	TJI	NORDIC	LPI	IB	GP	TOP MOUNT	FACE MOUNT
9 1/2" RFPI40S	16' 5"	2 1/2" FIR	AJS 140	TJI 110	NI 40x	20 plus	IB400	WI40	ITS2.56/9.5	IUS2.56/9.5
9 1/2" RFPI40	16' 11"	2 5/16" LVL	AJS 20	TJI230	NI 60	LPI 32	IB600	WI60	ITS2.37/9.5	IUS2.37/9.5
9 1/2" RFPI60S	17' 3"	2 1/2" FIR	AJS 20	TJI230	NI 60	LPI 32	IB600	WI60	ITS2.56/9.5	IUS2.56/9.5
11 7/8" RFPI40S	19' 6"	2 1/2" FIR	AJS 140	TJI 110	NI 40x	20 plus	IB400	WI40	ITS2.56/11.88	IUS2.56/11.88
11 7/8" RFPI40	20' 2"	2 5/16" LVL	AJS 20	TJI230	NI 60	LPI 32	IB600	WI60	ITS2.37/11.88	IUS2.37/11.88
11 7/8" RFPI60S	20' 7"	2 1/2" FIR	AJS 20	TJI230	NI 60	LPI 32	IB600	WI60	ITS2.56/11.88	IUS2.56/11.88
11 7/8" RFPI70	21' 5"	2 5/16" LVL	BCI 6500	TJI360	NI 60	LPI 36	IB600	WI60	ITS2.37/11.88	IUS2.37/11.88
11 7/8" RFPI80S	22' 7"	3 1/2" FIR	AJS 25	TJI360	NI 80	LPI 42	IB800	WI80	ITS3.56/11.88	IUS3.56/11.88
11 7/8" RFPI90	24' 1"	3 1/2" LVL	BCI 90	TJI 560	-	LPI 56	IB900	-	ITS3.56/11.88	IUS3.56/11.88
14" RFPI40	22' 11"	2 5/16" LVL	AJS 20	TJI230	NI 60	LPI 32	IB600	WI60	ITS2.37/14	IUS2.37/14
14" RFPI60S	23' 5"	2 1/2" FIR	AJS 20	TJI230	NI 60	LPI 32	IB600	WI60	ITS2.56/14	IUS2.56/14
14" RFPI70	24' 5"	2 5/16" LVL	BCI 6500	TJI360	NI 60	LPI 36	IB600	WI60	ITS2.37/14	IUS2.37/14
14" RFPI80S	25' 8"	3 1/2" FIR	AJS25	TJI360	NI 80	LPI 42	IB800	WI80	ITS3.56/14	IUS3.56/14
14" RFPI90	27' 4"	3 1/2" LVL	BCI 90	TJI 560	-	LPI 56	IB900	-	ITS3.56/14	IUS3.56/14
16" RFPI60S	26' 0"	2 1/2" FIR	AJS 20	TJI230	NI 60	LPI 32	IB600	WI60	ITS2.56/16	IUS2.56/16
16" RFPI70	27' 0"	2 5/16" LVL	BCI 6500	TJI360	NI 60	LPI 36	IB600	WI60	ITS2.37/16	IUS2.37/16
16" RFPI80S	28' 6"	3 1/2" FIR	AJS25	TJI 360	NI 80	LPI 42	IB800	WI80	ITS3.56/16	IUS3.56/16
16" RFPI90	30' 4"	3 1/2" LVL	BCI 90	TJI 560	-	LPI 56	IB900	-	ITS3.56/16	IUS3.56/16

** "COMPARABLE TO" MEANS CLOSE ENOUGH FOR BIDDING PURPOSES AND USUALLY FOR CONSTRUCTION,
BUT NOT NECESSARILY EQUIVALENT IN ALL AREAS (MOMENT, SHEAR ETC.)

APPLICATIONS FOR 40 psf LOADING:

Residential (living space 1st Floor)

- Multi family (Apartments but not corridors or lobbies)
- Hospitals (Private Rooms)
- Schools (Classrooms only)
- Hotels (Guestrooms only)
- Fire escapes (single family Residential)



DESIGN ASSUMPTIONS:

- 1) DEFLECTION CRITERIA : L/480 LIVE L/240 TOTAL
- 1) SINGLE LAYER OF SUBFLOOR WITH NO RADIANT HEAT SYSTEM OR HEAVY TILE
- 2) "MAX SPAN" REFERS TO THE CLEAR SPAN FROM INSIDE OF BEARING TO INSIDE OF BEARING
- 3) JOISTS ARE CARRYING SIMPLE FLOOR LOAD ONLY WITH NO OFFSET LOAD(S) FROM ABOVE

EXAMPLES OF THIS WOULD BE :

- A) 2ND FLOOR LOAD TRANSFERRED THROUGH BEARING PARTITION MID SPAN
- B) 3RD FLOOR LOAD TRANSFERRED THROUGH BEARING PARTITION MID SPAN
- C) CEILING / ATTIC LOAD TRANSFERRED THROUGH BEARING PARTITION MID SPAN
- D) RAFTER LOAD SITTING ON MID SPAN
- E) POINT LOAD TRANSFERRED FROM GIRDER ABOVE THROUGH POST MID SPAN