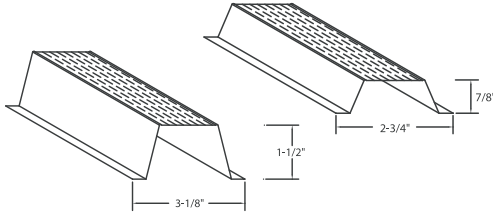


## (DWFC) Drywall Furring Channel



### Product Data:

- Available in 7/8" and 1-1/2" sizes.
- Gauge: Standard 25 through 16 gauges.
- Lengths: 12' 0" Stock Length, (other lengths available).
- Consult Telling Industries' Light Gage Structural Framing & Accessories brochure for structural properties and span tables

### Uses:

- Convenient accessory components for use in furring out ceilings and masonry walls. Knurled face prevents screw "ride" when attaching gypsum wallboard.
- 1-1/2" DWFC is economical with respect to furring walls with electrical boxes, (no need to set into concrete).

## Physical/Structural Properties for Drywall Furring Channels (DWFC)

Section	Fy (ksi)	Design Thickness (in)	Area (in <sup>2</sup> )	Weight (lb/ft)	Gross Properties				Effective Properties		
					Ix (in <sup>4</sup> )	Rx (in)	Iy (in <sup>4</sup> )	Ry (in)	Ix (in <sup>4</sup> )	Sx (in <sup>3</sup> )	Ma (Ft-lb)
DWFC088-18	33	0.0188	0.070	0.239	0.009	0.356	0.035	0.710	0.009	0.016	26.4
DWFC088-30	33	0.0312	0.115	0.391	0.014	0.353	0.058	0.710	0.014	0.031	50.5
DWFC088-43	33	0.0451	0.162	0.550	0.020	0.348	0.082	0.711	0.020	0.042	69.2
DWFC088-54	50	0.0566	0.197	0.669	0.023	0.345	0.099	0.711	0.023	0.050	124.9
DWFC150-18	33	0.0188	0.094	0.320	0.031	0.575	0.047	0.705	0.030	0.034	56.6
DWFC150-30	33	0.0312	0.154	0.525	0.050	0.571	0.077	0.705	0.050	0.064	105.3
DWFC150-43	33	0.0451	0.219	0.745	0.070	0.565	0.109	0.705	0.070	0.089	146.3
DWFC150-54	50	0.0566	0.269	0.914	0.084	0.561	0.134	0.705	0.084	0.107	267.2

- Notes:
1. Properties based on the 2007 NASPEC
  2. Design thickness used for determination of properties. Minimum delivered thickness must be no less than 95% of design thickness.
  3. For deflection calculations, use effective Ixx. Effective Ixx is based on Procedure 1 of the NASPEC
  4. Effective properties are given as the minimum value for positive or negative bending.

## Drywall Furring Channel (DWFC) Allowable Ceiling Spans - L/240

Section	Fy (ksi)	Spans	4 psf Spacing (in) oc			Uniform Load 6 psf Spacing (in) oc			13 psf Spacing (in) oc		
			12	16	24	12	16	24	12	16	24
DWFC088-18	33	Single	5'-2"	4'-9"	4'-1"	4'-6"	4'-1"	3'-7"	3'-6"	3'-2"	2'-9"
		Multiple	6'-5"	5'-10"	5'-1"	5'-7"	5'-1"	4'-2"	4'-0"	3'-6"	2'-9"
DWFC088-30	33	Single	6'-2"	5'-7"	4'-11"	5'-5"	4'-11"	4'-3"	4'-2"	3'-9"	3'-4"
		Multiple	7'-7"	6'-11"	6'-1"	6'-8"	6'-1"	5'-3"	5'-2"	4'-8"	3'-11"
DWFC088-43	33	Single	6'-10"	6'-3"	5'-5"	6'-0"	5'-5"	4'-9"	4'-7"	4'-2"	3'-8"
		Multiple	8'-6"	7'-8"	6'-9"	7'-5"	6'-9"	5'-10"	5'-9"	5'-2"	4'-6"
DWFC088-54	50	Single	7'-3"	6'-7"	5'-9"	6'-4"	5'-9"	5'-0"	4'-11"	4'-5"	3'-11"
		Multiple	9'-0"	8'-2"	7'-2"	7'-10"	7'-2"	6'-3"	6'-1"	5'-6"	4'-10"
DWFC150-18	33	Single	7'-11"	7'-2"	6'-3"	6'-11"	6'-3"	5'-6"	5'-4"	4'-10"	4'-2"
		Multiple	9'-9"	8'-10"	7'-5"	8'-6"	7'-5"	5'-11"	5'-7"	4'-9"	3'-8"
DWFC150-30	33	Single	9'-5"	8'-6"	7'-5"	8'-2"	7'-5"	6'-6"	6'-4"	5'-9"	5'-0"
		Multiple	11'-7"	10'-6"	9'-2"	10'-2"	9'-2"	8'-0"	7'-10"	7'-0"	5'-8"
DWFC150-43	33	Single	10'-6"	9'-6"	8'-4"	9'-2"	8'-4"	7'-3"	7'-1"	6'-5"	5'-7"
		Multiple	12'-11"	11'-9"	10'-3"	11'-4"	10'-3"	9'-0"	8'-9"	7'-11"	6'-8"
DWFC150-54	50	Single	11'-2"	10'-1"	8'-10"	9'-9"	8'-10"	7'-9"	7'-6"	6'-10"	6'-0"
		Multiple	13'-9"	12'-6"	10'-11"	12'-0"	10'-11"	9'-7"	9'-4"	8'-5"	7'-5"

## Drywall Furring Channel (DWFC) Allowable Ceiling Spans - L/360

Section	Fy (ksi)	Spans	4 psf Spacing (in) oc			Uniform Load 6 psf Spacing (in) oc			13 psf Spacing (in) oc		
			12	16	24	12	16	24	12	16	24
DFWC088-18	33	Single	4'-6"	4'-1"	3'-7"	4'-0"	3'-7"	3'-2"	3'-1"	2'-9"	2'-5"
		Multiple	5'-7"	5'-1"	4'-5"	4'-11"	4'-5"	3'-11"	3'-9"	3'-5"	2'-9"
DWFC088-30	33	Single	5'-5"	4'-11"	4'-3"	4'-8"	4'-3"	3'-9"	3'-8"	3'-4"	2'-11"
		Multiple	6'-8"	6'-1"	5'-3"	5'-10"	5'-3"	4'-7"	4'-6"	4'-1"	3'-7"
DWFC088-43	33	Single	6'-0"	5'-5"	4'-9"	5'-3"	4'-9"	4'-2"	4'-0"	3'-8"	3'-2"
		Multiple	7'-5"	6'-9"	5'-10"	6'-6"	5'-10"	5'-2"	5'-0"	4'-6"	4'-0"
DWFC088-54	50	Single	6'-4"	5'-9"	5'-0"	5'-7"	5'-0"	4'-5"	4'-3"	3'-11"	3'-5"
		Multiple	7'-10"	7'-2"	6'-3"	6'-10"	6'-3"	5'-5"	5'-4"	4'-10"	4'-2"
DWFC150-18	33	Single	6'-11"	6'-3"	5'-6"	6'-0"	5'-6"	4'-9"	4'-8"	4'-3"	3'-8"
		Multiple	8'-6"	7'-9"	6'-9"	7'-5"	6'-9"	5'-11"	5'-7"	4'-9"	3'-8"
DWFC150-30	33	Single	8'-2"	7'-5"	6'-6"	7'-2"	6'-6"	5'-8"	5'-6"	5'-0"	4'-5"
		Multiple	10'-2"	9'-2"	8'-0"	8'-10"	8'-0"	7'-0"	6'-10"	6'-3"	5'-5"
DFWC150-43	33	Single	9'-2"	8'-4"	7'-3"	8'-0"	7'-3"	6'-4"	6'-2"	5'-7"	4'-11"
		Multiple	11'-4"	10'-3"	9'-0"	9'-11"	9'-0"	7'-10"	7'-8"	6'-11"	6'-1"
DFWC150-54	50	Single	9'-9"	8'-10"	7'-9"	8'-6"	7'-9"	6'-9"	6'-7"	6'-0"	5'-3"
		Multiple	12'-0"	10'-11"	9'-7"	10'-6"	9'-7"	8'-4"	8'-2"	7'-5"	6'-5"

- Notes:
1. Single spans taken as the minimum span based on moment, shear, web crippling or deflection
  2. Multiple spans indicate two or more equal, continuous spans with span length measured support to support.
  3. Multiple spans taken as the minimum span based on moment, shear, web crippling, deflection combined bending and shear or combined and web crippling
  4. Web crippling values based on 1" bearing at end and interior supports.