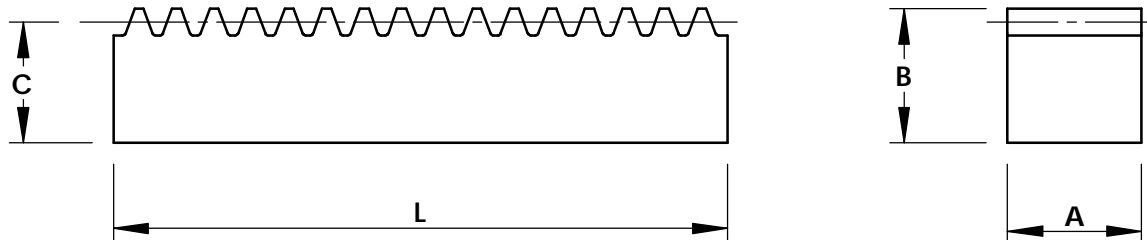




engineering catalogue 2008

**STOCK GEAR RACK
16DP – 5DP
1.5MOD – 5.0MOD**

STOCK RACKS PITCH 16DP - 5DP



Dimension A is $-0.010''$ to $-0.015''$
on Nominal Size.

Dimension L is -0 to $+1/8''$
on Nominal Size

Material:- CS1020 Mild Steel

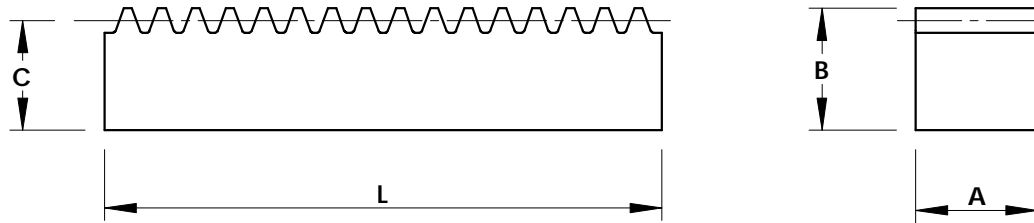
Pressure Angle:- 20°

Catalogue No.	No. Teeth	Pitch in DP	L	A	B	C
12F16R	63	16	12.3/8"	1/2"	1/2"	0.430"
24F16R	124	16	24.3/8"	1/2"	1/2"	0.430"
12F14R	55	14	12.1/4"	5/8"	5/8"	0.545"
24F14R	108	14	24.1/8"	5/8"	5/8"	0.545"
12F12R	48	12	12.5/8"	7/8"	7/8"	0.783"
24F12R	93	12	24.1/4"	7/8"	7/8"	0.783"
48F12R	185	12	48.3/8"	7/8"	7/8"	0.783"
24F10R	78	10	24.1/2"	1.1/8"	1.1/8"	1.016"
48F10R	154	10	48.3/8"	1.1/8"	1.1/8"	1.016"
24F8R	62	8	24.1/4"	1.1/2"	1.1/2"	1.365"
48F8R	123	8	48.1/4"	1.1/2"	1.1/2"	1.365"
24F6R	46	6	24.1/8"	2"	1.1/2"	1.323"
48F6R	92	6	48.1/4"	2"	1.1/2"	1.323"
24F5R	39	5	24.1/2"	2.1/2"	1.1/2"	1.290"
48F5R	77	5	48.3/8"	2.1/2"	1.1/2"	1.290"

Dimensions in Inches.

To obtain meshing distance from centre of gear to back of rack,
add pitch diameter listed for gear divided by two, to dimension C of rack.

STOCK RACKS PITCH 1.5 MOD - 5 MOD



Material:- CS1020 Mild Steel

Pressure Angle:- 20°

Catalogue No.	No. Teeth	Module Pitch	L	A	B	C
0.5M1.5R	106	1.5	500	15.88 15.50	15.88 15.68	14.19
1.0M1.5R	212	1.5	1000	15.88 15.50	15.88 15.68	14.19
0.5M2.0R	79	2.0	500	22.23 21.85	22.23 22.02	20.01
1.0M2.0R	159	2.0	1000	22.23 21.85	22.23 22.02	20.01
1.5M2.0R	238	2.0	1500	22.23 21.85	22.23 22.02	20.01
0.5M2.5R	64	2.5	500	25.40 25.02	25.40 25.17	22.66
1.0M2.5R	127	2.5	1000	25.40 25.02	25.40 25.17	22.66
1.5M2.5R	191	2.5	1500	25.40 25.02	25.40 25.17	22.66
1.0M3.0R	106	3.0	1000	31.75 31.37	31.75 31.54	28.49
1.5M3.0R	159	3.0	1500	31.75 31.37	31.75 31.54	28.49
1.0M4.0R	80	4.0	1000	44.45 44.05	44.45 44.21	40.16
1.5M4.0R	119	4.0	1500	44.45 44.05	44.45 44.21	40.16
1.0M5.0R	64	5.0	1000	50.80 50.40	50.80 50.56	45.46
1.5M5.0R	96	5.0	1500	50.80 50.40	50.80 50.56	45.46

Dimensions in mm.

To obtain meshing distance from centre of gear to back of rack,
add pitch diameter listed for gear divided by two, to dimension C of rack.

Full Size Teeth of 20° Pressure Angle in Inch and Metric Sizes

