

FLEXIRACKS
20° PRESSURE ANGLE

PHONE: 516.328.3300 • FAX: 516.326.8827 • WWW.SDP-SI.COM

> MATERIAL:

Flexiracks – Acetal, Blue

> SPECIFICATIONS:

Flexiracks:

Stock Length: 2000 mm (78.7")
Longer Length up to 50 meters
available on special request.

Working Temperature: 100°C (212°F)

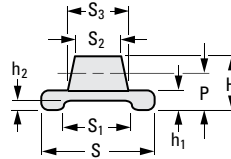
Intermittent Use: 149°C (300°F)

Resistant To:

Weak Acids & Alkalis
Oil, Grease, Gasoline
Alcohol, Ketones



Rack Clamps Shown are Optional.
See Below.



Module	Minimum Bend Radius		Bending Strength
	Int. (R _i)	Ext. (R _e)	N
0.8	75 (3.0)	75 (3.0)	111.8
1	85 (3.3)	125 (4.9)	160.9
1.5	100 (3.9)	150 (5.9)	161.4
2	125 (4.9)	175 (6.9)	264.9

METRIC COMPONENT

Catalog Number	Module	S	S ₁	S ₂	S ₃	H	h ₁	h ₂	P
Flexiracks – Acetal, Blue									
A 1M12MYHF082000	0.8	8 (.31)	3.7 (.15)	3 (.12)	3.8 (.15)	3.3 (.130)	1.5 (.06)	0.7 (.03)	2.5 (.098)
A 1M12MYHF102000	1	10 (.39)	4.9 (.19)	4 (.16)	5 (.20)	4.3 (.169)	2 (.08)	0.9 (.04)	3.3 (.130)
A 1M12MYHF152000	1.5	12 (.47)	8 (.31)	5 (.20)	6.5 (.26)	5.7 (.224)	2.3 (.09)	1 (.04)	4.2 (.165)
A 1M12MYHF202000	2	15 (.59)	10.1 (.40)	6 (.24)	8 (.31)	7 (.276)	2.5 (.10)	1.1 (.04)	5 (.197)

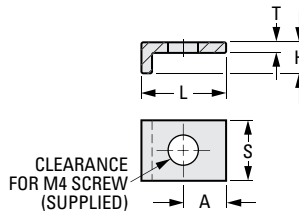
NOTES: 1. Dimensions in () are inch.

2. To use the molded flexible rack with a 20 tooth pinion, the radius of curvature for an external or internal arc must be greater than 150 mm.

RACK CLAMPS

> MATERIAL:

Steel, Plated



The projections shown are per ISO convention.

METRIC COMPONENT

Catalog Number	For Rack Module	L	S	A	H	T
A 1C12MHC1	0.8 & 1	10.2 (.40)	8 (.32)	4.5 (.18)	2.7 (.11)	1.2 (.047)
A 1C12MHC2	1.5 & 2	11.4 (.45)		5.6 (.22)	3.9 (.15)	1.4 (.055)

- I
- R
- T
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
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- 14
- 15
- 16

GUIDE RAILS

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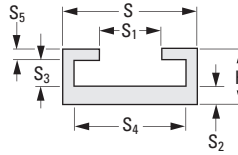
➤ **MATERIAL:**

Extruded Aluminum or
Extruded Flexible Nylon



➤ **SPECIFICATIONS:**

Stock Length – 1000 mm (39.37")
Longer lengths in nylon are
available on special request.



METRIC COMPONENT

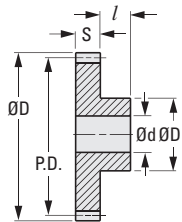
Catalog Number	For Rack Module	S	S ₁	H	S ₂	S ₃	S ₄	S ₅
Aluminum								
A 1A12MHR081000	0.8	10.3 (.406)	4.5 (1.80)	4.8 (.19)	1.8 (.070)	1.8 (.071)	8.4 (.331)	1 (.039) Ref.
A 1A12MHR101000	1	12.3 (.484)	5.7 (.22)	5.2 (.20)	1.8 (.070)	2.4 (.094)	10.4 (.409)	1 (.039) Ref.
A 1A12MHR151000	1.5	14.3 (.563)	7.2 (.28)	5.4 (.21)	1.8 (.070)	2.7 (.106)	12.4 (.488)	1 (.039) Ref.
A 1A12MHR201000	2	17.3 (.681)	8.9 (.35)	6.1 (.24)	2.3 (.091)	2.9 (.114)	15.4 (.606)	1 (.039) Ref.
Nylon								
A 1M12MHR081000	0.8	11 (.43)	4 (.16)	5.1 (.20)	1.5 (.06)	2.1 (.083)	8 (.315)	1.5 (.06)
A 1M12MHR101000	1	13.1 (.52)	5.3 (.21)	5.3 (.21)	1.5 (.06)	2.3 (.091)	9.8 (.386)	1.5 (.06)
A 1M12MHR151000	1.5	16.1 (.63)	7 (.28)	7.1 (.28)	1.9 (.07)	3.2 (.126)	12.3 (.484)	1.9 (.07)
A 1M12MHR201000	2	20.6 (.81)	8 (.31)	7.1 (.28)	1.9 (.07)	3.6 (.142)	16.8 (.661)	1.9 (.07)

NOTE: Dimensions in () are inch.

PINIONS – MODULE 0.8 TO 2

➤ **MATERIAL:**

Acetal



METRIC COMPONENT

Catalog Number	Module	No. of Teeth	P.D.	D Dia.	d Bore	S Face Width	D ₁ Hub Dia.	l Hub Proj.
A 1M 2MYHF08032	0.8	32	25.6	27.2	6	4	12	5
A 1M 2MYHF10032	1	32	32	34	6	5	14	6
A 1M 2MYHF15024	1.5	24	36	39	8	6	18.3	11
A 1M 2MYHF20024	2	24	48	52	10	8	24	12