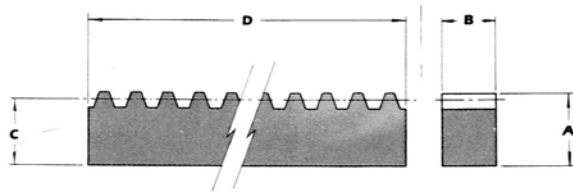


Racks

4 DP to 64 DP

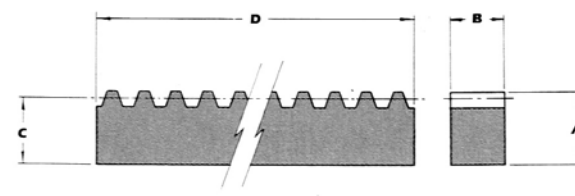
Steel



Racks

16 DP to 64 DP

Brass



GEARS

GEARS

Pitch (DP)	Height A	Face Width B	Back to Pitch Line C	Length D & Catalogue number								
				3"	6"	12"	24"	25"	36"	48"	72"	
4	1.500	1.500	1.250/1.240	-	-	-	4-48-48-24-S	-	-	-	-	-
6	1.500	1.500	1.333/1.323	-	-	-	6-48-48-24-S	-	-	4-48-48-36-S	4-48-48-48-S	4-48-48-72-S
8	1.250	1.250	1.125/1.121	-	8-40-40-6-S	8-40-40-12-S	-	8-40-40-25-S	-	-	-	-
10	1.000	1.000	0.900/0.896	-	8-40-80-6-S	8-40-80-12-S	-	8-40-80-25-S	-	-	-	-
10	2.000	1.000	1.900/1.896	-	10-32-32-6-S	10-32-32-12-S	-	10-32-32-25-S	-	-	-	-
12	0.750	0.750	0.667/0.663	-	10-32-64-6-S	10-32-64-12-S	-	10-32-64-25-S	-	-	-	-
12	1.500	0.750	1.417/1.413	-	12-24-24-6-S	12-24-24-12-S	-	12-24-24-25-S	-	-	-	-
16	0.500	0.500	0.437/0.434	16-16-16-3-S	16-16-16-6-S	16-16-16-12-S	-	16-16-16-25-S	-	-	-	-
16	1.000	0.500	0.937/0.934	16-16-32-3-S	16-16-32-6-S	16-16-32-12-S	-	16-16-32-25-S	-	-	-	-
20	0.375	0.375	0.325/0.322	20-12-12-3-S	20-12-12-6-S	20-12-12-12-S	-	-	-	-	-	-
20	0.750	0.375	0.700/0.697	20-12-24-3-S	20-12-24-6-S	20-12-24-12-S	-	-	-	-	-	-
24	0.312	0.312	0.270/0.267	24-10-10-3-S	24-10-10-6-S	24-10-10-12-S	-	-	-	-	-	-
24	0.625	0.312	0.583/0.580	24-10-20-3-S	24-10-20-6-S	24-10-20-12-S	-	-	-	-	-	-
32	0.250	0.250	0.219/0.217	32-8-8-3-S	32-8-8-6-S	32-8-8-12-S	-	-	-	-	-	-
32	0.500	0.250	0.469/0.467	32-8-16-3-S	32-8-16-6-S	32-8-16-12-S	-	-	-	-	-	-
40	0.250	0.218	0.225/0.223	40-7-8-3-S	40-7-8-6-S	40-7-8-12-S	-	-	-	-	-	-
40	0.500	0.218	0.475/0.473	40-7-16-3-S	40-7-16-6-S	40-7-16-12-S	-	-	-	-	-	-
48	0.250	0.187	0.229/0.227	48-6-8-3-S	48-6-8-6-S	48-6-8-12-S	-	-	-	-	-	-
48	0.500	0.187	0.479/0.477	48-6-16-3-S	48-6-16-6-S	48-6-16-12-S	-	-	-	-	-	-
64	0.250	0.125	0.234/0.232	64-4-8-3-S	64-4-8-6-S	64-4-8-12-S	-	-	-	-	-	-
64	0.500	0.125	0.484/0.482	64-4-16-3-S	64-4-16-6-S	64-4-16-12-S	-	-	-	-	-	-

NB. Ends NOT processed

Pitch (DP)	Height A	Face Width B	Back to Pitch Line C	Length D & Catalogue number			
				3"	6"	12"	25"
16	0.500	0.500	0.437/0.434	16-16-16-3-B	16-16-16-6-B	16-16-16-12-B	16-16-16-25-B
16	1.000	0.500	0.937/0.934	16-16-32-3-B	16-16-32-6-B	16-16-32-12-B	16-16-32-25-B
20	0.375	0.375	0.325/0.322	20-12-12-3-B	20-12-12-6-B	20-12-12-12-B	-
20	0.750	0.375	0.700/0.697	20-12-24-3-B	20-12-24-6-B	20-12-24-12-B	-
24	0.312	0.312	0.270/0.267	24-10-10-3-B	24-10-10-6-B	24-10-10-12-B	-
24	0.625	0.312	0.583/0.580	24-10-20-3-B	24-10-20-6-B	24-10-20-12-B	-
32	0.250	0.250	0.219/0.217	32-8-8-3-B	32-8-8-6-B	32-8-8-12-B	-
32	0.500	0.250	0.469/0.467	32-8-16-3-B	32-8-16-6-B	32-8-16-12-B	-
40	0.250	0.218	0.225/0.223	40-7-8-3-B	40-7-8-6-B	40-7-8-12-B	-
40	0.500	0.218	0.475/0.473	40-7-16-3-B	40-7-16-6-B	40-7-16-12-B	-
48	0.250	0.187	0.229/0.227	48-6-8-3-B	48-6-8-6-B	48-6-8-12-B	-
48	0.500	0.187	0.479/0.477	48-6-16-3-B	48-6-16-6-B	48-6-16-12-B	-
64	0.250	0.125	0.234/0.232	64-4-8-3-B	64-4-8-6-B	64-4-8-12-B	-
64	0.500	0.125	0.484/0.482	64-4-16-3-B	64-4-16-6-B	64-4-16-12-B	-

NB. Ends NOT processed

Material

4 & 6 DP Steel BS970 Pt.3 1991 080M40 (EN8) or Equivalent

8-64 DP Steel BS970 1991 080M15 (EN32) or BS970 Pt.3 1991 230M07 (EN1A)

All dimensions in inches

Pressure angle 20°

Manufactured to BS 436:1970 Pt. 1, Fig. 1, Grade 8

Manufactured to BS 436:1970 Pt. 1, Fig. 1, Grade 8 Bore tolerances to BS 1916:1953 Pt. 1, H8

Bore tolerances to BS 1916:1953 Pt. 1, H8 General tolerance unless otherwise stated ±0.010" tolerance

unless otherwise stated ±0.010"

Material

Brass BS2784:1986 CZ121

All dimensions in inches

Pressure angle 20°

Manufactured to BS 436:1970 Pt. 1, Fig. 1, Grade 8

Manufactured to BS 436:1970 Pt. 1, Fig. 1, Grade 8 Bore tolerances to BS 1916:1953 Pt. 1, H8

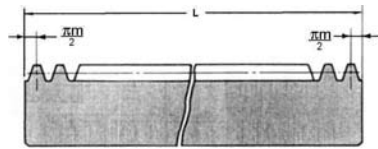
Bore tolerances to BS 1916:1953 Pt. 1, H8 General tolerance unless otherwise stated ±0.010" tolerance

unless otherwise stated ±0.010"

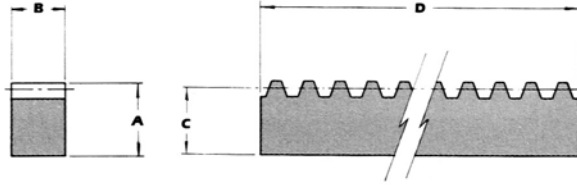
Racks

0.5 to 2.0 module

Steel



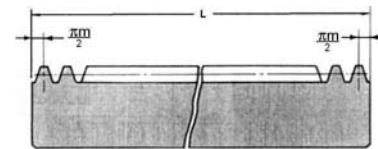
Processed Ends



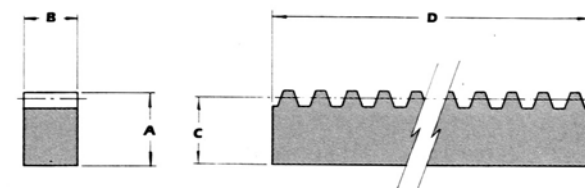
Racks

2.5 to 6.0 module

Steel



Processed Ends



Pitch	Height	Face Width	Back to Pitch Line	Length (+) unprocessed ends	Length processed ends	effective No. of teeth	Catalogue No.
Mod	A	B	C	D	L		
0.4	4.763	4.763	4.36/4.31	300			MR4-05-300-S
0.5	10	5	9.50/9.45	300			MR5-10-300-S
0.7	10	5	9.30/9.25	300			MR7-10-300-S
0.7958 (2.5mm)	12	10	11.20/11.15	500			MR2.5CP-10-500-S
0.7958 (2.5mm)	12	10	11.20/11.15	1000			MR2.5CP-10-1000-S
0.8	12	6	11.20/11.15	300			MR8-12-300-S
1.0	15	15	14.00/13.92	500			MR10-15-500-S
1.0	15	15	14.00/13.92		499.513	159	MR10-15-500-PRO
1.0	15	15	14.00/13.92	1000			MR10-15-1000-S
1.0	15	15	14.00/13.92		999.026	318	MR10-15-1000-PRO
1.0	15	15	14.00/13.92	1500			MR10-15-1500-S
1.591 (5mm)	14.8	15	13.21/13.11	500			MR5CP-15-500-S
1.591 (5mm)	14.8	15	13.21/13.11	1000			MR5CP-15-1000-S
1.5	17	17	15.50/15.42	500			MR15-17-500-S
1.5	17	17	15.50/15.42		499.513	106	MR15-17-500-PRO
1.5	17	17	15.50/15.42	1000			MR15-17-1000-S
1.5	17	17	15.50/15.42		999.026	212	MR15-17-1000-PRO
1.5	17	17	15.50/15.42	1500			MR15-17-1500-S
1.5	17	17	15.50/15.42		1507.968	320	MR15-17-1500-PRO
1.5	18	18	16.50/16.42	500			MR15-18-500-S
1.5	18	18	16.50/16.42		499.513	106	MR15-18-500-PRO
1.5	18	18	16.50/16.42	1000			MR15-18-1000-S
1.5	18	18	16.50/16.42		999.026	212	MR15-18-1000-PRO
1.5	18	18	16.50/16.42	1500			MR15-18-1500-S
1.5	18	18	16.50/16.42		1507.968	320	MR15-18-1500-PRO
2.0	20	20	18.00/17.90	500			MR20-20-500-S
2.0	20	20	18.00/17.90		502.655	80	MR20-20-500-PRO
2.0	20	20	18.00/17.90	1000			MR20-20-1000-S
2.0	20	20	18.00/17.90		999.026	159	MR20-20-1000-PRO
2.0	20	20	18.00/17.90	1500			MR20-20-1500-S
2.0	20	20	18.00/17.90		1507.968	240	MR20-20-1500-PRO

Material

0.5 TO 0.8 Module: Steel BS970 1991 080M15 (EN32) or BS970 Pl.3 1991 230M07 (EN1A).

1.0 to 2.0 module: Steel BS970 Pl.3 1991 080M40 (EN8) or equivalent

All dimensions in millimetres
Pressure angle 20°
Manufactured to DIN 3962, DIN 3963, DIN 867, quality 9gS*. General tolerance (excluding the length) ± 0.25.

Pitch	Height	Face Width	Back to Pitch Line	Length (+) unprocessed ends	Length processed ends	effective No. of teeth	Catalogue No.
Mod.	A	B	C	D	L		
2.5	25	25	22.50/22.40	500			MR25-25-500-S
2.5	25	25	22.50/22.40		502.655	64	MR25-25-500-PRO
2.5	25	25	22.50/22.40	1000			MR25-25-1000-S
2.5	25	25	22.50/22.40		997.456	127	MR25-25-1000-PRO
2.5	25	25	22.50/22.40	1500			MR25-25-1500-S
2.5	25	25	22.50/22.40		1507.968		MR25-25-1500-PRO
3.0	30	30	27.00/26.90	500			MR30-30-500-S
3.0	30	30	27.00/26.90		499.513	53	MR30-30-500-PRO
3.0	30	30	27.00/26.90	1000			MR30-30-1000-S
3.0	30	30	27.00/26.90		999.026	106	MR30-30-1000-PRO
3.0	30	30	27.00/26.90	1500			MR30-30-1500-S
3.0	30	30	27.00/26.90		1507.952		MR30-30-1500-PRO
3.183 (10mm)	29.7	30	26.52/26.42	500			MR10CP-30-500-S
3.183 (10mm)	29.7	30	26.52/26.42	1000			MR10CP-30-1000-S
4.0	40	40	36.00/35.75	500			MR40-40-500-S
4.0	40	40	36.00/35.75		502.655	40	MR40-40-500-PRO
4.0	40	40	36.00/35.75	1000			MR40-40-1000-S
4.0	40	40	36.00/35.75		1005.313	80	MR40-40-1000-PRO
4.0	40	40	36.00/35.75	1500			MR40-40-1500-S
4.0	40	40	36.00/35.75		1507.968	120	MR40-40-1500-PRO
4.0	40	40	36.00/35.75	1850			MR40-40-1850-S
5.0	50	50	45.00/44.75	500			MR50-50-500-S
5.0	50	50	45.00/44.75	1000			MR50-50-1000-S
5.0	50	50	45.00/44.75	1500			MR50-50-1500-S
6.0	40	60	34.00/33.75	500			MR60-40-500-S
6.0	40	60	34.00/33.75	1000			MR60-40-1000-S
6.0	40	60	34.00/33.75	1500			MR60-40-1500-S
6.0	40	60	34.00/33.75	1850			MR60-40-1850-S

Material

2.5 to 6.0 module: Steel BS970 Pl.3 1991 080M40 (EN8) or equivalent

All dimensions in millimetres
Pressure angle 20°
Manufactured to DIN 3962, DIN 3963, DIN 867, quality 9gS*. General tolerance (excluding the length) ± 0.25.

GEARS

Racks Round & Spacers

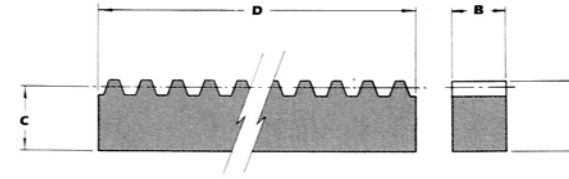
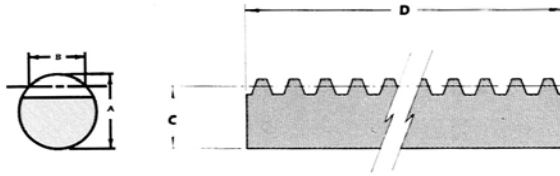
1.0 to 3.0 module

Steel

Racks

Module Pitch

Hostaform & Nylon



GEARS

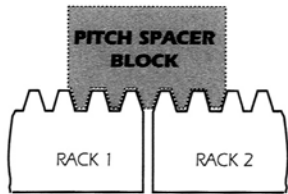
GEARS

Pitch	Diameter Ø	Back to Pitch Line	Face Width at Pitch Line	Length	Catalogue No.
Mod	A (h6)	C	B	D	
1.0	15	14	9.5	500	RMR10-15-500-S
1.0	15	14	9.5	1000	RMR10-15-1000-S
1.5	15	13.3	9	500	RMR15-15-500-S
1.5	15	13.3	9	1000	RMR15-15-1000-S
1.5	18	16.5	11.5	500	RMR15-18-500-S
1.5	18	16.5	11.5	1000	RMR15-18-1000-S
2.0	20	18	12.5	500	RMR20-20-500-S
2.0	20	18	12.5	1000	RMR20-20-1000-S
2.5	25	22.5	16	500	RMR25-25-500-S
2.5	25	22.5	16	1000	RMR25-25-1000-S
3.0	30	27	18	500	RMR30-30-500-S
3.0	30	27	18	1000	RMR30-30-1000-S
4.0	40	36	24	500	RMR40-40-500-S
4.0	40	36	24	1000	RMR40-40-1000-S
5.0	50	45	30	1000	RMR50-50-1000-S
6.0	60	54	36	1000	RMR60-60-1000-S

NB. Ends NOT processed

Pitch Spacer Blocks

Pitch	Catalogue number
1.00	MR10SPACER
1.50	MR15SPACER
2.00	MR20SPACER
2.50	MR25SPACER
3.00	MR30SPACER
4.00	MR40SPACER
5.00	MR50SPACER
6.00	MR60SPACER



Pitch spacer blocks used to set correct pitch run between 2 racks

Pitch	Height Face	Width	Back to Pitch Line	Length	Catalogue No.	
Mod	A	B	C	L		
0.5	4.5	4	4	250	MR05-04-250-MOLD	
0.5	6	4	5.5	250	MR05-06-250-MOLD	
0.7	6	6	6	250	MR07-06-250-MOLD	
1.0	9	9	8	250	MR 10 - 09 - 250 -MOLD	
1.25	11	10	9.75	250	MR 125 -11 - 250 -MOLD	
1.50	12	12	10.5	250	MR 15 - 12 - 250 -MOLD	
2.0	11	15.4	9	250	MR 20-11-250-MOLD	
3.0	15	19.4	12	250	MR30 -15 -250 -MOLD	
Hostaform C moulded resin						
1.0	10	10	9	500	MR 10 - 15 - 500	-N
1.0	15	15	14	1000	MR 10 - 15 - 1000	-N
1.5	15	15	13.5	500	MR 15 - 15 - 500	-N
1.5	17	17	15.5	1000	MR 15 - 17 - 1000	-N
2.0	20	20	18	500	MR 20 - 20 - 500	-N
2.0	20	20	18	1000	MR 20 - 20 - 1000	-N
2.5	25	25	22.5	500	MR 25 - 25 - 500	-N
2.5	25	25	22.5	1000	MR 25 - 25 - 1000	-N
3.0	30	30	27	500	MR 30 - 30 - 500	-N
3.0	30	30	27	1000	MR 30 - 30 - 1000	-N

NB. Ends NOT processed

Nylon 6

Material

1.0 to 3.0 module: Steel BS970 Pt.3 1991 EN1A

All dimensions in millimetres
Pressure angle 20°/Pressure angle 20°
Manufactured to DIN 3962, DIN 3963, DIN 867, quality 9gS*. General tolerance (excluding the length) ± 0.25.

Material

Hostaform & Nylon 6

All dimensions in millimetres
Pressure angle 20°
Manufactured to BS. 436:1970 pT.1 Fig. 1 Class C.General tolerance (excluding the length) ± 0.25.