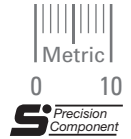


**GROUND RACKS – MODULE 0.5, 0.8, 1 & 1.5**

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ISO CLASS 5  
GROUND TEETH  
20° PRESSURE ANGLE

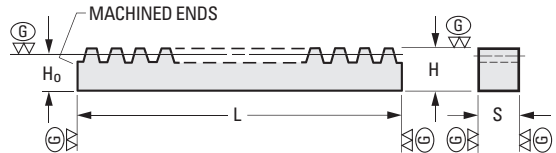


**> MATERIAL:**

AISI 1045 Steel Hardened  
to HRC 27...32

**> SPECIFICATIONS:**

Tolerance h8: 8 & 10 mm 0/-0.022  
12 & 15 mm 0/-0.027  
20 mm 0/-0.033



**METRIC COMPONENT**

Catalog Number	Module	No. of Usable Teeth	S Face Width h8	H Height h8	H <sub>0</sub> Pitch Distance	L Stock Length mm
S18C05M128P0812G	0.5	128	8	12	11.5	201.06
S18C08M080P0812G	0.8	80	8	12	11.2	201.06
S18C10M096P1015G	1	96	10	15	14	301.59
S18C15M064P1520G	1.5	64	15	20	18.5	301.59

See index for ground spur gears.

**JOINING GAUGES for GROUND RACKS – MODULE 0.5, 0.8 1 & 1.5**

ISO CLASS 5  
GROUND TEETH  
20° PRESSURE ANGLE

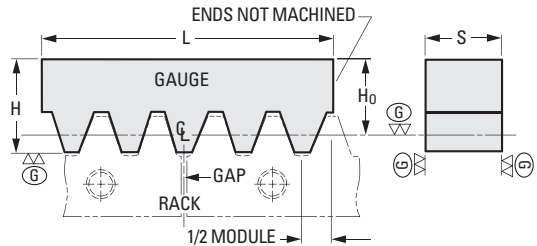


**> MATERIAL:**

AISI 1045 Steel Hardened  
to HRC 27...32

**> SPECIFICATIONS:**

Tolerance h8: 8 & 10 mm 0/-0.022  
12 & 15 mm 0/-0.027  
20 mm 0/-0.033



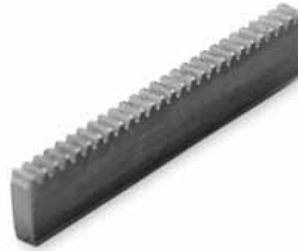
**METRIC COMPONENT**

Catalog Number	Mod.	1/2 Module		No. of Teeth	S Face Width h8	H Height h8	H <sub>0</sub> Pitch Distance	L Stock Length approx.
		Dim.	Tol.					
S18C05MGAGE-G	0.5	0.785	-0.02 / -0.08	29	8	12	11.5	45.3
S18C08MGAGE-G	0.8	1.256	-0.03 / -0.12	18	8	12	11.2	44.9
S18C10MGAGE-G	1	1.57	-0.03 / -0.12	14	10	15	14	43.6
S18C15MGAGE-G	1.5	2.356	-0.04 / -0.16	9	15	20	18.5	41.9

See index for ground spur gears.

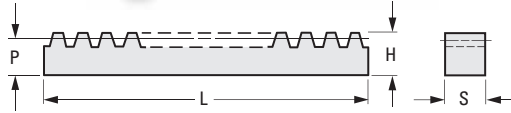
ISO CLASS 8  
 MODULE 0.3, 0.5, 0.75, 0.8 & 1  
 20° PRESSURE ANGLE

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**QUALITY CLASS**

> **MATERIAL:**  
 Brass, Stainless Steel or Steel



**METRIC COMPONENT**

Catalog Number	Module	Material	S Face Width	H Height	P Pitch Height	L Length mm
A 1B12MYK03200	0.3	Brass	3	8	7.7	200
A 1B12MYK05200	0.5	Brass	3	8	7.5	200
A 1B12MYKW05200	0.5	Brass	8	8	7.5	200
A 1B12MYK05500	0.5	Brass	8	10	9.5	505
A 1X12MYK05200	0.5	Stainless Steel	3	10	9.5	200
A 1X12MYK05300	0.5	Stainless Steel	4.8	9.5	9	300
A 1X12MYKW05200	0.5	Stainless Steel	8	8	7.5	200
A 1X12MYK05500	0.5	Stainless Steel	8	10	9.5	505
A 1B12MYKH7200	0.75	Brass	3	8	7.25	200
A 1B12MYKH7500	0.75	Brass	3	10	9.25	505
A 1B12MYKWH7200	0.75	Brass	8	8	7.25	200
A 1B12MYKWH7500	0.75	Brass	8	10	9.25	505
A 1X12MYKH7200	0.75	Stainless Steel	3	10	9.25	200
A 1X12MYKWH7200	0.75	Stainless Steel	8	8	7.25	200
A 1X12MYKH7500	0.75	Stainless Steel	8	10	9.25	505
A 1B12MYK08500	0.8	Brass	5	10	9.2	505
A 1B12MYK08200	0.8	Brass	7	7	6.2	200
A 1B12MYKW08500	0.8	Brass	7	10	9.2	505
A 1X12MYK08500	0.8	Stainless Steel	5	10	9.2	505
A 1X12MYK08200	0.8	Stainless Steel	7	7	6.2	200
A 1X12MYKW08500	0.8	Stainless Steel	7	10	9.2	505
A 1C12MYK10300	1	Steel	10	10	9	300
A 1C12MYK10500	1	Steel	10	10	9	500
A 1C12MYK101000	1	Steel	10	15	14	1021
A 1X12MYK10500	1	Stainless Steel	8	10	9	500
A 1X12MYK10300	1	Stainless Steel	10	10	9	300
A 1X12MYKW10500	1	Stainless Steel	10	10	9	500

ISO CLASS 8  
20° PRESSURE ANGLE

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**> MATERIAL:**

Steel, Brass, or Nylon

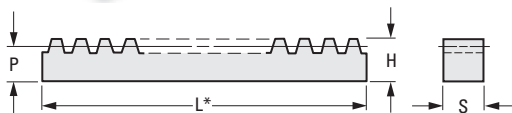
**> SPECIFICATIONS:**

Length Tolerance*	
Rack Length	Tolerance
75	± 3.8
150	± 3.8
300	± 4.1
600	± 4.8



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**QUALITY CLASS**



**METRIC COMPONENT**

Catalog Number	Module	Material	S Face Width	H Height mm	P Pitch Height	L* Length mm
A 1C12MY04A075	0.4	Steel	4.8	9.5	9.13	75
A 1C12MY04A150						150
A 1C12MY04A300						300
A 1B12MY04A075	0.4	Brass	4.8	9.5	9.13	75
A 1B12MY04A150						150
A 1B12MY04A300						300
A 1C12MY04B075	0.4	Steel	4.8	4.8	4.34	75
A 1C12MY04B150						150
A 1C12MY04B300						300
A 1B12MY04B075	0.4	Brass	4.8	4.8	4.34	75
A 1B12MY04B150						150
A 1B12MY04B300						300
A 1P12MY04C075	0.4	Nylon	6.3	6.3	5.94	75
A 1P12MY04C150						150
A 1P12MY04C300						300
A 1C12MY05A075	0.5	Steel	4.8	9.5	9.03	75
A 1C12MY05A150						150
A 1C12MY05A300						300
A 1B12MY05A075	0.5	Brass	4.8	9.5	9.03	75
A 1B12MY05A150						150
A 1B12MY05A300						300
A 1C12MY05B075	0.5	Steel	4.8	4.8	4.26	75
A 1C12MY05B150						150
A 1C12MY05B300						300
A 1B12MY05B075	0.5	Brass	4.8	4.8	4.26	75
A 1B12MY05B150						150
A 1B12MY05B300						300
A 1P12MY05C075	0.5	Nylon	6.3	6.3	5.85	75
A 1P12MY05C150						150
A 1P12MY05C300						300

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ISO CLASS 8  
20° PRESSURE ANGLE

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> MATERIAL:

Steel, Brass, or Nylon

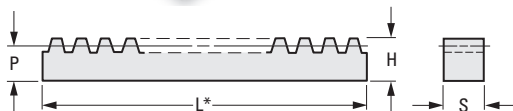
> SPECIFICATIONS:

Length Tolerance*	
Rack Length	Tolerance
75	± 3.8
150	± 3.8
300	± 4.1
600	± 4.8



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QUALITY CLASS



**METRIC COMPONENT**

Catalog Number	Module	Material	S Face Width	H Height	P Pitch Height	L* Length mm
A 1C12MY08A075	0.8	Steel	6.3	12.7	11.9	75
A 1C12MY08A150						150
A 1C12MY08A300						300
A 1B12MY08A075	0.8	Brass	6.3	12.7	11.9	75
A 1B12MY08A150						150
A 1B12MY08A300						300
A 1C12MY08B075	0.8	Steel	6.3	6.3	5.56	75
A 1C12MY08B150						150
A 1C12MY08B300						300
A 1B12MY08B075	0.8	Brass	6.3	6.3	5.56	75
A 1B12MY08B150						150
A 1B12MY08B300						300
A 1P12MY08B075	0.8	Nylon	6.3	6.3	5.56	75
A 1P12MY08B150						150
A 1P12MY08B300						300
A 1C12MY10B150	1	Steel	7.9	15.9	14.88	150
A 1C12MY10B300						300
A 1C12MY10B600						600
A 1B12MY10B150	1	Brass	7.9	15.9	14.88	150
A 1B12MY10B300						300
A 1B12MY10B600						600
A 1C12MY10C150	1	Steel	7.9	7.9	6.94	150
A 1C12MY10C300						300
A 1C12MY10C600						600
A 1B12MY10C150	1	Brass	7.9	7.9	6.94	150
A 1B12MY10C300						300
A 1B12MY10C600						600
A 1P12MY10A150	1	Nylon	9.5	9.5	8.53	150
A 1P12MY10A300						300
A 1P12MY10A600						600

Continued from the previous page

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**RACKS • MODULE 1.5 TO 3****SDP/SI**

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ISO CLASS 8  
 MODULE 1.5, 2, 2.5 & 3  
 20° PRESSURE ANGLE

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► **MATERIAL:**  
 Steel



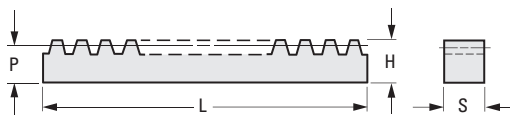
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**QUALITY CLASS**

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**METRIC COMPONENT**

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Catalog Number	Module	S Face Width	H Height	P Pitch Height	L Length mm
A 1C12MYK15300	1.5	16	16	14.5	300
A 1C12MYKW15500	1.5	16	16	14.5	500
A 1C12MYK151000	1.5	16	16	14.5	1008.5
A 1C12MYK15500	1.5	12	16	14.5	500
A 1C12MYK20300	2	20	20	18	300
A 1C12MYK20500	2	20	20	18	500
A 1C12MYKW201000	2	20	20	18	1005.3
A 1C12MYK201000	2	14	20	18	1005.3
A 1C12MYK25300	2.5	25	25	22.5	300
A 1C12MYK25500	2.5	25	25	22.5	500
A 1C12MYKW251000	2.5	25	25	22.5	1005.3
A 1C12MYK251000	2.5	18	25	22.5	1005.3
A 1C12MYK30300	3	30	30	27	300
A 1C12MYK30500	3	30	30	27	500
A 1C12MYKW301000	3	30	30	27	1008.5
A 1C12MYK301000	3	22	30	27	1008.5

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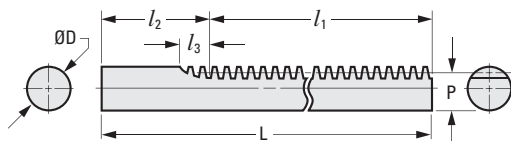
A

**ROUND RACKS – MODULE 0.5 TO 1**

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ISO CLASS 9  
20° PRESSURE ANGLE

> **MATERIAL:**  
304 Stainless Steel



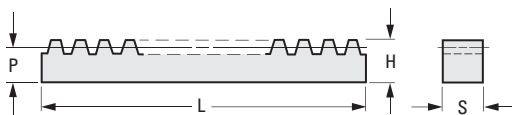
**METRIC COMPONENT**

Catalog Number	Module	D h7 (0 -0.015)	P Pitch Height	l	l <sub>2</sub> Ref.	l <sub>3</sub>	L Length mm ± 1
S181YYM0508200	0.5	8	7.5	149	53	10.7	202
S181YYM0758200	0.75		7.25	148	54	13	
S181YYM0808200	0.8		7.2			13.4	
S181YYM100A300	1	10	9	238	67	15	305

**NONMETALLIC RACKS - MODULE 0.4 TO 3.0**

20° PRESSURE ANGLE

> **MATERIAL:**  
Molded Acetal  
Machined Cast Nylon



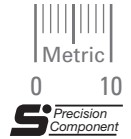
**METRIC COMPONENT**

Catalog Number	Module	Material	S Face Width	H Height	P Pitch Height	L Length mm	
A 1M12MYP0425	0.4	Acetal (Molded)	3	3.9	3.5	250	
A 1M12MYZ0525	0.5		4	4.5	4		
A 1M12MYZ0525A			4	6	5.5		
A 1M12MYZ0725	0.7		6	6.7	6		
A 1M12MYP0825	0.8		5	7.3	6.5		
A 1M12MYZ1025	1		9	9	8		
A 1M12MYZ1225	1.25		10	11	9.75		
A 1M12MYZ1525	1.5		12	12	10.5		
A 1M12MYZ2025	2		15.4	11	9		
A 1M12MYZ3025	3		19.4	15	12		
A 1M12MYH100500	1		10	12	11		505
A 1M12MYH150500	1.5		15	20	18.5		
A 1M12MYH151000		1010					
A 1M12MYH200500	2	Nylon (Machined)	20	25	23	505	
A 1M12MYH201000			1010				
A 1M12MYH250500	2.5		25	30	27.5	505	
A 1M12MYH251000						1010	
A 1M12MYH300500	3		30	35	32	505	
A 1M12MYH301000						1010	

**GROUND RACKS – CP 2 & 5**

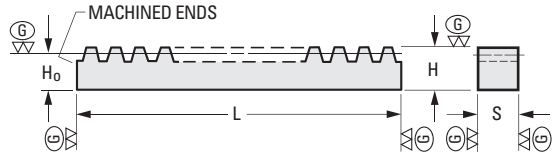
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ISO CLASS 5  
GROUND TEETH  
20° PRESSURE ANGLE



**> MATERIAL:**  
AISI 1045 Steel Hardened  
to HRC 27...32

**> SPECIFICATIONS:**  
Tolerance h8: 8 mm 0/-0.022  
12 & 15 mm 0/-0.027  
20 mm 0/-0.033



**METRIC COMPONENT**

Catalog Number	Circular Pitch	No. of Usable Teeth	S Face Width h8	H Height h8	H <sub>0</sub> Pitch Distance	L Stock Length mm
S18CCPM020P100G	2	100	8	12	11.364	200
S18CCPM050P060G	5	60	15	20	18.409	300

See index for ground circular pitch spur gears.

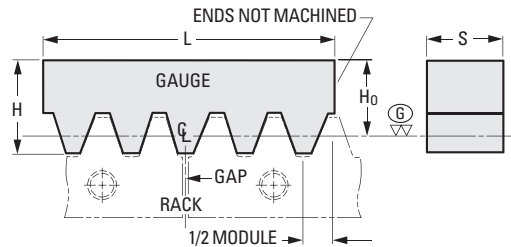
**JOINING GAUGE for CP GROUND RACKS – CP 2 & 5**

ISO CLASS 5  
GROUND TEETH  
20° PRESSURE ANGLE



**> MATERIAL:**  
AISI 1045 Steel Hardened  
to HRC 27...32

**> SPECIFICATIONS:**  
Tolerance h8: 8 mm 0/-0.022  
12 & 15 mm 0/-0.027  
20 mm 0/-0.033



**METRIC COMPONENT**

Catalog Number	Circular Pitch	1/2 Module		No. of Teeth	S Face Width h8	H Height h8	H <sub>0</sub> Pitch Distance	L Stock Length mm
		Dim.	Tol.					
S18CCPM020GAGE-G	2	1	-0.02 / -0.08	23	8	12	11.364	45.7
S18CCPM050GAGE-G	5	2.5	-0.04 / -0.16	8	15	20	18.409	39.4

See index for ground circular pitch spur gears.