

Rack Gears (L Dimension Configurable / One End Machined)

Pressure Angle 20°, Module 0.5, 0.8, 1.0, 1.5, 2.0, 2.5, 3.0

Feature: Configurable to desired lengths. One end is machined for connecting with other rack gears.

**Rack Gears (L Dimension Configurable / One End Machined) – Pressure Angle 20°, Module 0.5, 0.8, 1.0, 1.5, 2.0, 2.5, 3.0**

**RoHS10**

**Enlarged View of End Face**

Module	P Tolerance
0.5–2.0	-0.1 -0.3
2.5 or 3.0	-0.1 -0.4

Ⓢ Up to three holes can be specified.  
Ⓢ A+B+C≤L-5

Type	Number of Holes	Material	Surface Treatment
RGEAL	LRGEA	1045 Carbon Steel or Equivalent	Black Oxide
RGEABL	—	Free-Cutting Brass	—
RGEASL	LRGEAS	304 Stainless Steel	—
RGEAML	—	MC Nylon	—

**Hole Position Configurable Type**  
(No. of Holes is up to 3, L Dimension 20–480)

Hole Machining **N**: No Hole Machining

Hole Machining **HT**: Bottom Tapped

Hole Machining **ST**: Side Tapped

Hole Machining **Z**: Side Counterbore

**Number of Holes Configurable Type**  
(B Hole Pitch Configurable, L Dimension 500–980 or 1980)

Hole Machining **N**: No Hole Machining

Hole Machining **HT**: Bottom Tapped

Hole Machining **ST**: Side Tapped

Hole Machining **Z**: Side Counterbored

Hole Position Configurable Type (Number of Holes is up to 3, L Dimension 20–480)															
Part Number			Overall Length L 1 mm Increment	Hole Position ABC 1 mm Inc.	P (Pitch)	W	H	h	d <sub>1</sub>	d <sub>2</sub>	Z <sub>1</sub>	M (Coarse)			
Type	Module	Hole Machining													
RGEAL 1045 Carbon Steel or Equivalent	1.0	N No Hole Machining HT Bottom Tapped ST Side Tapped Z Side Counterbored	20–480	5–475	3.142	10	12	11	3.5	6.5	3.5	M3			
	1.5				4.712	15	20	18.5	4.5	8	4.5	M4			
	2.0				6.283	20	25	23	5.5	9.5	5.5	M5			
	2.5				7.854	25	30	27.5	6.5	11	6.5	M6			
	3.0				9.424	30	35	32	9.0	14	9	M8			
RGEABL Free-Cutting Brass Bar	0.5	N	20–280	—	1.571	3	9	8.5	—	—	—	—			
0.8	2.513				4	10	9.2								
1.0	3.142				10	10	9								
1.5	4.712				15	15	13.5	4.5					8	4.5	M4
2.0	6.283				20	20	18	5.5					9.5	5.5	M5
RGEASL 304 Stainless Steel	2.5	7.854	25	25	22.5	6.5	11	6.5	M6						
	3.0	9.424	30	30	27	9.0	14	9	M8						
	0.5	N	20–280	—	1.571	3	9	8.5	—	—	—	—			
	0.8				2.513	4	10	9.2							
	1.0				3.142	10	10	9							
1.5	4.712				15	15	13.5	4.5					8	4.5	M4
2.0	6.283				20	20	18	5.5					9.5	5.5	M5
RGEAML MC Nylon	2.5	7.854	25	25	22.5	6.5	11	6.5	M6						
	3.0	9.424	30	30	27	9.0	14	9	M8						
	0.5	N	20–280	—	1.571	3	9	8.5	—	—	—	—			
	0.8				2.513	4	10	9.2							
	1.0				3.142	10	12	11					3.5	6.5	3.5

Number of Holes Configurable Type (B Hole Pitch Selectable, L Dimension 500–980)														
Part Number			Overall Length L 1 mm Inc.	K (No. of Holes)	B (Hole Pitch) 1 mm Inc.	P (Pitch)	W	H	h	d <sub>1</sub>	d <sub>2</sub>	Z <sub>1</sub>	M (Coarse)	
Type	Module	Hole Machining												
LRGEA 1045 Carbon Steel or Equivalent	1.0	N (No Hole Machining) HT (Bottom Tapped) ST (Side Tapped) Z (Side Counterbored)	500–980	2–6	50–500	3.142	10	12	11	3.5	6.5	3.5	M3	
	1.5		4.712	15		20	18.5	5.5	9.5	5.5	M5			
	2.0		6.283	20		25	23	6.5	11	6.5	M6			
	2.5		7.854	25		30	27.5	9	14	9	M8			
	3.0		9.424	30		35	32	11	17.5	11	M10			
LRGEAS 304 Stainless Steel	1.5		500–980	2–12		4.712	15	15	13.5	5.5	9.5	5.5	M5	
	2.0					6.283	20	20	18	6.5	11	6.5	M6	
	2.5					7.854	25	25	22.5	9	14	9	M8	
	3.0					9.424	30	30	27	11	17.5	11	M10	

**Part Number Example**

Part Number - L (Length) - Hole Position (First) - Hole Position (Second) - Hole Position (Third)

RGEAML1.0Z - 450 - A50 - B150 - C150

Part Number - L (Length) - K (No. of Holes) - B (Hole pitch)



LRGEA2.0ST - 1800 - K8 - B200

**Part Number Alterations**

Part Number - L (Length) - Hole Position (First) - Hole Position (Second) - Hole Position (Third) - (MC / WMC)

RGEAL2.0Z - 300 - A50 - B100 - C100 - MC4

Ⓢ RGEAML (MC Nylon) dimensions may change depending on the operating environment.

Alterations	One End Tapped			Both Ends Tapped														
Code	MC			WMC														
Spec.	Ordering Code: MC5			Ordering Code: WMC5														
		<table><tr><th>Module</th><th>M Selection</th></tr><tr><td>1.0</td><td>3 4</td></tr><tr><td>1.5-3.0</td><td>4 5 6</td></tr></table>	Module	M Selection	1.0	3 4	1.5-3.0	4 5 6			<table><tr><th>Module</th><th>M Selection</th></tr><tr><td>1.0</td><td>3 4</td></tr><tr><td>1.5-3.0</td><td>4 5 6</td></tr></table>	Module	M Selection	1.0	3 4	1.5-3.0	4 5 6	
	Module	M Selection																
1.0	3 4																	
1.5-3.0	4 5 6																	
Module	M Selection																	
1.0	3 4																	
1.5-3.0	4 5 6																	
⊗ A≥30,F≥30 ⊗ For RGEAS and RGEASL, M4 is not available for module 1.0.			⊗ A≥30,L-A-B-C≥30,F≥30 ⊗ For RGEAS and RGEASL, M4 is not available for module 1.0.															

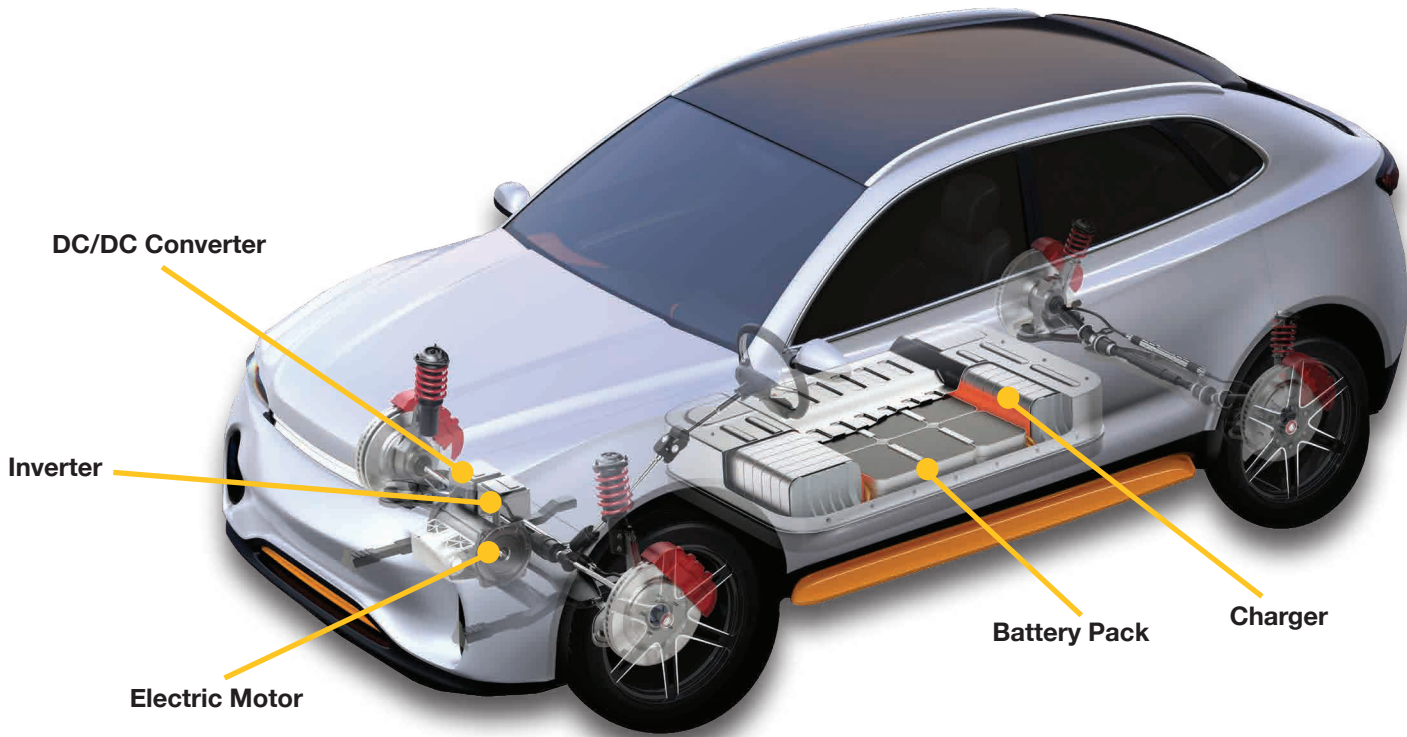
Ⓢ A≥30, F≥30 Ⓢ For RGEAS and RGEASL, M4 is not available for module 1.0.

Ⓢ A≥30, L-A-B-C≥30, F≥30 Ⓢ For RGEAS and RGEASL, M4 is not available for module 1.0.



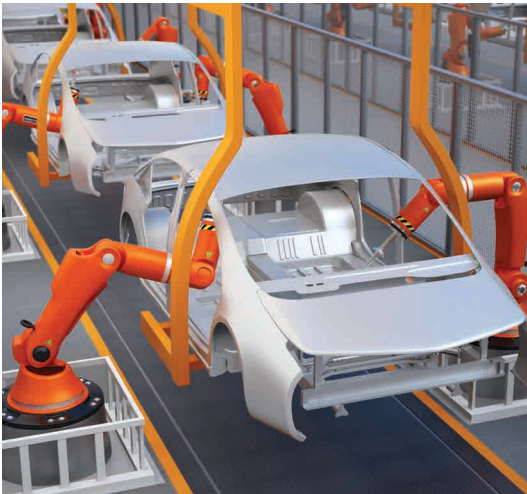
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