



Simplicity® Linear Shafting®

ISO Metric Shafting & Accessories

Linear Motion Systems



RC60 STEEL SHAFTING

- RC60 case hardened steel
- Polished for optimum surface finish



SMALL DIAMETER RC60 STEEL SHAFTING*

PART NO.	NOMINAL SIZE	DIAMETER TOLERANCE CLASS "M"		LENGTH in m*	HARDNESS DEPTH		WEIGHT (kg/m)
	(mm)	MIN.	MAX.	MAX.	MIN. (mm)		
NIM03-xx	3	2.991	3	6.4	1.0		0.06
NIM04-xx	4	3.991	4	6.4	1.0		0.1
NIM05-xx	5	4.991	5	6.4	1.0		0.15
NIM06-xx	6	5.991	6	6.4	1.0		0.23
NIM08-xx	8	7.991	8	6.4	1.0		0.39
NIM10-xx	10	9.991	10	6.4	1.0		0.62

RC60 STEEL SHAFTING*

PART NO.	NOMINAL SIZE	DIAMETER TOLERANCE CLASS "M"		LENGTH in m*	HARDNESS DEPTH		WEIGHT (kg/m)
	(mm)	MIN.	MAX.	MAX.	MIN. (mm)		
NIM03-xx	3	2.991	3	6.4	1.0		0.06
NIM04-xx	4	3.991	4	6.4	1.0		0.1
NIM05-xx	5	4.991	5	6.4	1.0		0.15
NIM06-xx	6	5.991	6	6.4	1.0		0.23
NIM08-xx	8	7.991	8	6.4	1.0		0.39
NIM10-xx	10	9.991	10	6.4	1.0		0.62
NIM12-xx	12	11.989	12	4.6	1.0		0.89
NIM16-xx	16	15.989	16	4.6	1.7		1.57
NIM20-xx	20	19.987	20	4.6	1.7		2.45
NIM25-xx	25	24.987	25	5.2	2.7		3.8
NIM30-xx	30	29.987	30	5.2	2.7		5.5
NIM40-xx	40	39.984	40	5.2	2.7		9.8
NIM50-xx	50	49.984	50	5.2	3.7		15.3
NIM60-xx	60	59.981	60	5.2	3.7		22.2
NIM80-xx	80	79.981	80	5.2	3.7		39.5

*NOTES: Specify length in part number using millimeters.
Example: for 25 mm shafting total length 900mm = NIM25-900

Shaft rails and assemblies are available in long lengths, consult factory.

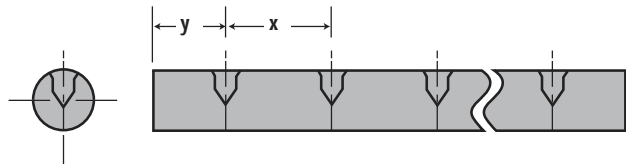
The data and specifications in this publication have been carefully compiled and are believed to be accurate and correct. However, it is the responsibility of the user to determine and ensure the suitability of Pacific Bearing® products for a specific application. Pacific Bearing's only obligation will be to repair or replace without charge, any defective components if returned promptly. No liability is assumed beyond such replacement. *Consult www.pacific-bearing.com for the latest technical updates.

COMPLETE PRODUCT OFFERING

- RC60 Steel
- 440 Stainless Steel
- Custom Options
- Cut-to-Length
- Random Lengths
- Pre-drilled and Tapped Shafting
- Joinable for even longer lengths

- Suitable for Simplicity® bearings and linear ball bearings
- Available cut-to-length or in full random lengths

PRE-DRILLED & TAPPED RC60 STEEL SHAFTING*



PART NO.	NOMINAL SIZE	DIAMETER TOLERANCE CLASS "M"	HOLE SPACING		THREAD	MAX. LENGTH (m)	WEIGHT (kg/m)
	(mm)	(µm)	x	y			
NIPDM08-xx	8	+0/-9	101.6	50.8	M2 x .4	5.0	0.39
NIPDM10-xx	10	+0/-9	101.6	50.8	M3 x .5	5.0	0.62
NIPDM12-xx	12	+0/-11	120	60	M4 x .7	5.7	0.89
NIPDM16-xx	16	+0/-11	150	75	M5 x .8	5.7	1.57
NIPDM20-xx	20	+0/-13	150	75	M6 x 1.0	5.7	2.45
NIPDM25-xx	25	+0/-13	200	100	M8 x 1.25	5.7	3.80
NIPDM30-xx	30	+0/-13	200	100	M10 x 1.5	5.7	5.50

NOTES: Specify length in part number using mm.
For random lengths, add "R" to the part number.
Example: for 12mm shafting total length 97mm = NIPDM12-97
Customer specifies "y" dimension.

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Simplicity® Linear & Feather® Shafting

ISO Metric Shafting

Linear Motion Systems

440 STAINLESS STEEL SHAFTING



- 440 Stainless Steel
- Suitable for linear ball bearings
- Available cut-to-length or in full random lengths
- Tolerance of +/- .79375

PART NO.	NOMINAL SIZE	DIAMETER TOLERANCE CLASS "M"	MAX. LENGTH	HARDNESS DEPTH	WEIGHT
	(mm)	(µm)	(m)	MAX.	(kg/m)
NIM03SS-xx	3	+0/-8	5.0	1.0	0.06
NIM04SS-xx	4	+0/-8	5.0	1.0	0.10
NIM05SS-xx	5	+0/-8	5.0	1.0	0.15
NIM06SS-xx	6	+0/-8	5.0	1.0	0.23
NIM08SS-xx	8	+0/-9	5.0	1.0	0.39
NIM10SS-xx	10	+0/-9	5.0	1.0	0.62
NIM12SS-xx	12	+0/-11	5.7	1.0	0.89
NIM16SS-xx	16	+0/-11	5.7	1.7	1.57
NIM20SS-xx	20	+0/-13	5.7	1.7	2.45
NIM25SS-xx	25	+0/-13	5.7	2.7	3.80
NIM30SS-xx	30	+0/-13	5.7	2.7	5.50

CERAMIC COATED ALUMINUM SOLID SHAFTING

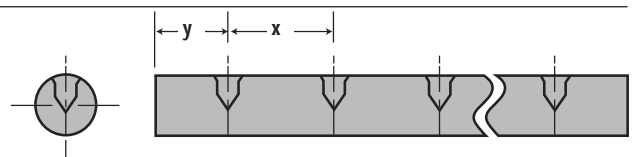


- Aluminum alloy base material
- RC70 ceramic coated finish
- Designed to run with Simplicity FrelonGOLD® lined bearings
- Non-magnetic and vibration resistant
- Weld splatter, paints, contaminants will not stick

PART NO.	NOMINAL SIZE	DIAMETER TOLERANCE CLASS "M"	MAX. LENGTH	WEIGHT
	(mm)	(µm)	(m)	(kg/m)
CCM03-xx	3	+0/-8	3.7	0.01
CCM04-xx	4	+0/-8	3.7	0.02
CCM05-xx	5	+0/-8	3.7	0.03
CCM06-xx	6	+0/-8	3.7	0.04
CCM08-xx	8	+0/-9	3.7	0.07
CCM10-xx	10	+0/-9	3.7	0.10
CCM12-xx	12	+0/-11	3.7	0.15
CCM16-xx	16	+0/-11	3.7	0.26
CCM20-xx	20	+0/-13	3.7	0.41
CCM25-xx	25	+0/-13	3.7	0.63
CCM30-xx	30	+0/-13	3.7	0.92
CCM40-xx	40	+0/-16	3.7	1.63
CCM50-xx	50	+0/-16	3.7	2.55
CCM60-xx	60	+0/-19	3.7	3.70
CCM80-xx	80	+0/-19	3.7	6.58

NOTES: Specify length in part number using mm.
 Example: for 8mm shafting total length 97mm = CCM08-97
 Ends of cut-to-length shafting are not coated.
 Fully coated shafting is available on special request.

PRE-DRILLED & TAPPED CERAMIC COATED ALUMINUM SHAFTING



- Aluminum alloy base material
- RC70 ceramic coated finish
- Designed to run with Simplicity FrelonGOLD® lined bearings
- Interchanges with standard pre-drilled shafting
- Non-magnetic and vibration resistant
- Weld splatter, paints, contaminants will not stick

PART NO.	NOMINAL SIZE	DIAMETER TOLERANCE CLASS "M"	HOLE SPACING		THREAD	MAX. LENGTH	WEIGHT
	(mm)	(µm)	x	y		(m)	(kg/m)
CCMDL08-xx	8	+0/-9	101.6	50.8	M2 x .4	3.7	0.07
CCMDL10-xx	10	+0/-9	101.6	50.8	M3 x .5	3.7	0.10
CCMDL12-xx	12	+0/-11	150	75	M4 x .7	3.7	0.15
CCMDL16-xx	16	+0/-11	150	75	M5 x .8	3.7	0.26
CCMDL20-xx	20	+0/-13	150	75	M6 x 1.0	3.7	0.41
CCMDL25-xx	25	+0/-13	200	100	M8 x 1.25	3.7	0.63
CCMDL30-xx	30	+0/-13	200	100	M10 x 1.5	3.7	0.92

NOTES: Specify length in part number using mm.
 Example: for 10mm shafting total length 97mm = CCMDL08-97.
 Ends of cut-to-length shafting are not coated.
 Fully coated shafting is available on special request.
 Customer specifies "y" dimension.

Shaft rails and assemblies are available in long lengths, consult factory.

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