Industrial Hydraulics Electric Drives

Linear Motion and Assembly Technologies

Casa Modular Systems

Pneumatics

Service Automation Mcbile Hydraul cs



Receiver Alan Bosch Rexroth Limited

P.O. Box 58 221

Botany

Auckland, NZ

Email <u>sales@casa.co.nz</u> Phone (09) 27 44172 Fax (09) 274 6477

Date June 14, 2016 www.boschrexroth.com

From Andrew Pratt, BR Auckland andrew.pratt@boschrexroth.co.nz

SUBJECT: Miniature Ball Rail System (Quotation Reference: Q140616)

Dear Alan

Company

Thank you for your enquiry regarding the above componentry. We have pleasure submitting our quotation as follows:

Item Qty Designation Unit Price

1 5 MINIATURE BALL CARRIAGE (Option 1)

Type: Standard length

Size: 12 Preload: 1 Accuracy class: P

Order-information: R0442 212 01 \$129.00 / Unit Net

2 5 MINIATURE BALL CARRIAGE (Option 2)

Type: Long
Size: 12
Preload: 1
Accuracy class: P

Order-information: R0444 212 01 \$167.00 / Unit Net

3 5 MINIATURE BALL RAIL

Size: 12

Length: 150mm (T1=12.5mm)

Accuracy class: F

Order-information: R0445 202 31 / 150mm \$84.00 / Unit Net

4 1 FREIGHT

From Germany to Auckland: \$180.00
From Auckland to Invercargill: \$12.00
\$172.00

CONDITIONS OF SALE

All prices quoted are exclusive of G.S.T.

DELIVERY Approximately 1.5 - 2 weeks from receipt of order

DELIVERY POINT FOT our Auckland works
EXCHANGE RATE At the current day's rate

EXCLUSIONS Hydraulic Fluid, electrical wiring, commissioning and componentry

STANDARD TERMS All obligations under the sale contract are as per our standard conditions of sale which are

detailed on the attached page or are available on request.

Our offer is based on the relevant information supplied to us and our consideration of best engineering practice. We trust that it is acceptable but we will be happy to discuss this, or any other matter, with you as required.

Best Regards

Bosch Rexroth Ltd

Andrew Pratt Sales Engineer

Linear Motion & Assembly Technologies

Electric Drives and Controls

Hydraulics

Linear Motion and Assembly Technologies

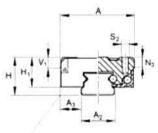
Service

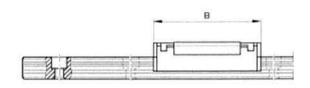


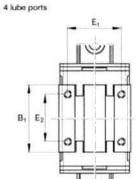
standard R0442

Size 12

Click to enlarge picture.







Part numbers (TNR)	R0442 212 01 🙀
Size	12
Preloading	Preload
Accuracy class	P
Seal	low-friction
Lubrication	Initial lubrication
A [mm]	27
A ₂ [mm]	12
A ₃ [mm]	7.5
B [mm]	34.8
B ₁ [mm]	21.6
E ₁ [mm]	20
E ₂ [mm]	15
H [mm]	13
H ₁ [mm]	10
V ₁ [mm]	3.3
N ₃ [mm]	3.5
S ₂ [mm]	M3
Weight Runner blocks [g]	33
C _{dyn} [N]	2310
C ₀ stat. [N]	3470
M _t dyn. [Nm]	13.7
M _{t0} stat. [Nm]	20.6
M _L [Nm] ¹⁾	8
M _{L0} [Nm] ¹⁾	12

Note	Note on dynamic load capacities and moments	
	Determination of the dynamic load capacities and moments is based on a travel life of 100,00	
	m.,	
	Often only 50,000 m are actually stipulated. For comparison:	
		Multiply values C, M _t und M _L from the table by 1.26.
	Product family info	All steel parts of the runner block are made of rust and acid resistant material similar to ISO
683-17 / EN 10088.		
The runner blocks are delivered mounted on arbors.		

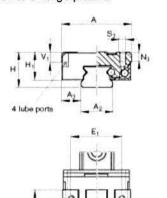
Issue: 2015-09-30

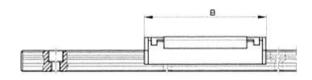
Electric Drives Linear Motion and and Controls Hydraulics Assembly Technologies Service



long R0444 Size 12

Click to enlarge picture.





Part numbers (TNR)	R0444 212 01 👼
Size	12
Preloading	Preload
Accuracy class	P
Seal	low-friction
Lubrication	Initial lubrication
A [mm]	27
A ₂ [mm]	12
A ₃ [mm]	7.5
B [mm]	47.5
B ₁ [mm]	34.5
E ₁ [mm]	20
E ₂ [mm]	20
H [mm]	13
H ₁ [mm]	10
H ₁ [mm] (with	10.65
longitudinal seal)	
V ₁ [mm]	3.3
N ₃ [mm]	3.5
S ₂ [mm]	M3
Weight Runner blocks [g]	51
C _{dyn} [N]	3240
C ₀ stat. [N]	5630
M _t dyn. [Nm]	19.3
M _{t0} stat. [Nm]	33.5
M _L [Nm] ¹⁾	17
M _{L0} [Nm] ¹⁾	29

Note	Note on dynamic load capacities and moments Determination of the dynamic load capacities and moments is based on a travel life of 100,000
	m.
	Often only 50,000 m are actually stipulated.
	For comparison:
	Multiply values C, M _t und M _L from the table by 1.26.
Product family info	All steel parts of the runner block are made of rust and acid resistant material similar to ISO
	683-17 / EN 10088.
	The runner blocks are delivered mounted on arbors.

Issue: 2015-09-30