



Orlando Ricardo Santos  
[www.osp-lda.com](http://www.osp-lda.com)

## Orlando Ricardo Correia dos Santos

Av. Dr. Raimundo Rodrigues, Nº 1473 - 2º Esq. - Sul

3885-412 ESMORIZ

Tel / Fax ++351 256 755694

GSM ++351 91 9864982

E-mail: [geral@osp-lda.com](mailto:geral@osp-lda.com) Skype: [geral@osp-lda.com](https://www.skype.com/people/geral@osp-lda.com)

# FINE CERAMIC EYELET GUIDES

The ORLANDO RICARDO SANTOS have now in our products list Fine Ceramic Eyelet Guides for all the marks and models of winding machines.

Our products are made of fine ceramic (Alumina AL<sub>2</sub>O<sub>3</sub>). Are excellent for heat and wear resistance. Surfaces polished to mirror finish, minimal friction co-efficiency.



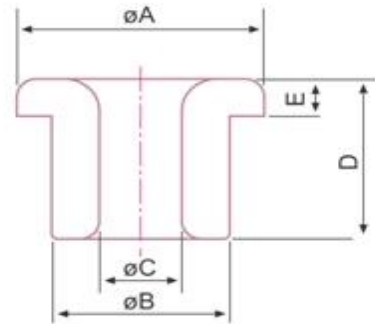
Eyelet guides normally used in guiding wire direction in coil winding machines, can also be used in wire and fiber production.

Different quantities can be combined between customer and ORLANDO RICARDO SANTOS.

ORLANDO RICARDO SANTOS represents TROPHY in some countries from Europe and South America. Check our prices.

## Ceramic Eyelet Guides Data Sheet

Part Name	Dimensions in mm				
	A	B	C	D	E
CY-001	4.5	2.8	1.0	3.0	1.0
CY-002	5.0	3.5	2.4	3.6	1.0
CY-003	6.8	4.7	2.6	3.3	1.3
CY-004	10.0	7.2	4.8	8.8	1.7
CY-005	10.0	7.0	4.8	8.8	1.7
CY-006	11.0	8.0	3.7	9.2	3.0
CY-007	7.8	5.2	3.0	5.5	1.5
CY-008	9.2	7.0	4.5	8.0	2.0
CY-009	6.0	4.2	2.6	3.2	1.2
CY-010	10.2	6.2	4.2	10.0	2.0
CY-011	9.7	7.0	4.0	9.0	2.0
CY-012	6.0	3.8	2.0	3.6	1.0
CY-013	7.0	3.8	2.0	4.0	1.5
CY-014	7.7	6.0	3.4	6.0	2.0
CY-015	6.0	4.5	2.0	5.0	1.5
CY-016	12.0	10.0	7.0	8.3	2.0
CY-017	12.0	9.	5.5	8.5	1.5
CY-018	5.5	4.0	1.8	4.3	1.3
CY-019	6.0	4.4	2.0	5.0	1.5
CY-020	6.2	3.7	1.7	5.0	1.0
CY-021	13.0	9.0	4.3	7.0	2.0
CY-022	10.0	6.8	4.2	10.0	2.0
CY-023	14.0	10.0	6.5	9.8	3.0
CY-024	15.3	11.8	7.5	10.0	3.0
CY-025	12.0	10.0	7.1	6.0	2.0
CY-026	6.5	4.9	3.3	6.5	1.5
CY-027	7.8	6.0	3.4	4.8	1.8
CY-028	4.2	3.0	2.0	5.0	1.0
CY-029	4.2	3.0	1.0	4.0	1.0
CY-030	5.9	4.0	2.0	8.0	1.2
CY-031	7.8	6.0	3.5	8.0	1.6
CY-032	17.7	12.8	7.0	18.7	3.0
CY-033	14.0	10.4	6.6	18.0	2.5
CY-034	11.7	9.5	5.5	8.2	2.4
CY-035	12.0	9.6	6.2	10.5	2.1
CY-090	8.0	5.4	2.5	5.5	1.5



Trophy (Singapore) Pte Ltd

Blk 3006, Ubi Road 1, #03-362, S'pore 408700. Tel: 65-6842 4356 Fax: 65-6842 4357  
Email: sales@ruby-nozzles.com

# FINE CERAMIC CAGE PULLEYS

One more new product sale for ORLANDO RICARDO SANTOS. Now in our products list, Fine ceramic Cage Pulleys for all the marks and models of winding machines

Our products are made of fine ceramic (Alumina AL<sub>2</sub>O<sub>3</sub>). Are excellent for heat and wear resistance.

- Your characteristics:
- All surfaces polished to mirror finish
  - Precision bearing mounted.
  - Lightweight.
  - Easy threading.
  - Low torque.
  - Positive caging.
  - Prevent straying or jumping of wire.



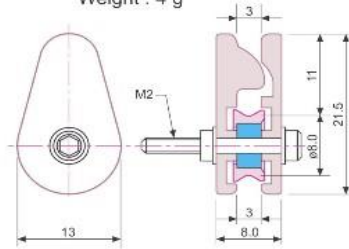
Cage pulleys normally used in guiding wire direction in coil winding machines, can also be used in wire and fiber production.

Different quantities can be combined between customer and ORLANDO RICARDO SANTOS.

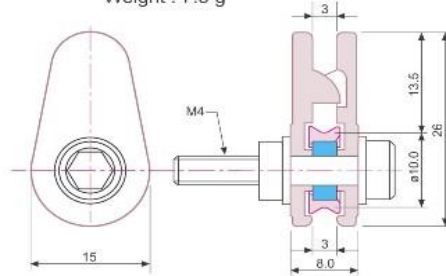
ORLANDO RICARDO SANTOS represents TROPHY in some countries from Europe and South America. Check our prices.

# Cage Pulley

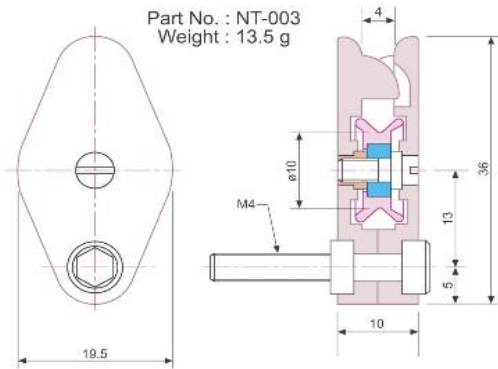
Part No. : NT-001  
Weight : 4 g



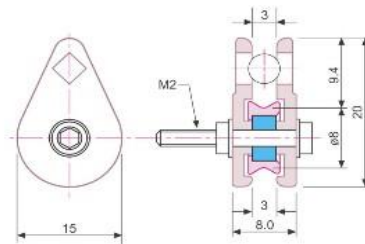
Part No. : NT-002  
Weight : 7.5 g



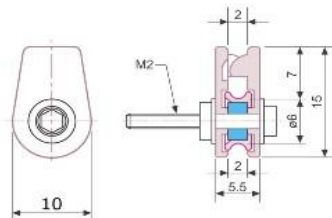
Part No. : NT-003  
Weight : 13.5 g



Part No. : NT-004  
Weight : 4 g



Part No. : NT-005  
Weight : 2 g



Trophy (Singapore) Pte Ltd

Blk 3006, Ubi Road 1, #03-362, S'pore 408700. Tel: 65-6842 4356 Fax: 65-6842 4357  
Email: sales@ruby-nozzles.com

# FINE CERAMIC PULLEYS FOR WINDING MACHINES

The ORLANDO RICARDO SANTOS have now in our products list Fine Ceramic Eyelet Guides for all the marks and models of winding machines.

Our products are made of fine ceramic (Alumina AL<sub>2</sub>O<sub>3</sub>). Are excellent for heat and wear resistance.

Your characteristics: - All surfaces polished to mirror finish

- Precision bearing mounted.
- Lightweight.
- Easy threading.
- Low starting torque.
- Precision Nylon flange.
- Mirror finished ceramic groove.



Ceramic pulleys normally used in guiding wire direction in coil winding machines, can also be used in wire and fiber production.

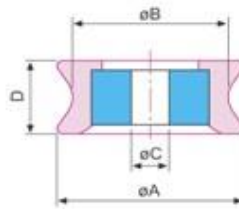
Different quantities can be combined between customer and ORLANDO RICARDO SANTOS.

ORLANDO RICARDO SANTOS represents TROPHY in some countries from Europe and South America. Check our prices.



# Ceramic Pulleys Data Sheet

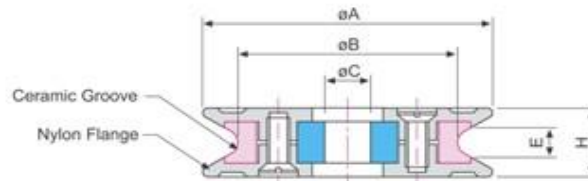
## Dimensions Data of Miniature Ceramic Pulleys



Dimensions in mm

Size Part No.	A	B	C	D
NT001-2	10.0	8.0	2.0	4.0
NT002-2	11.5	10.0	4.0	4.0
NT003-2	14.0	10.0	3.0	6.0
NT004-2	10.0	8.0	2.0	4.0
NT005-2	7.8	6.0	2.0	3.2
NT006-2	10.6	7.3	2.0	3.5

## Dimensions Data of Wire Pulleys



Dimensions in mm

Size Part No.	A	B	C	E	H
DL-1001	20.0	15.0	3.0	2.0	5.0
DL-1002	29.0	20.0	4.0	3.0	6.5
DL-1003	30.0	15.0	3.0	2.0	10.0
DL-1004	40.0	20.0	4.0	3.0	15.0
DL-1005	45.0	30.0	5.0	4.0	10.0




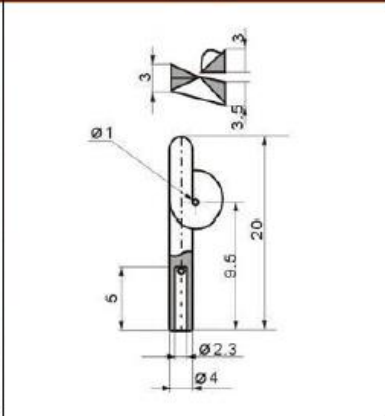
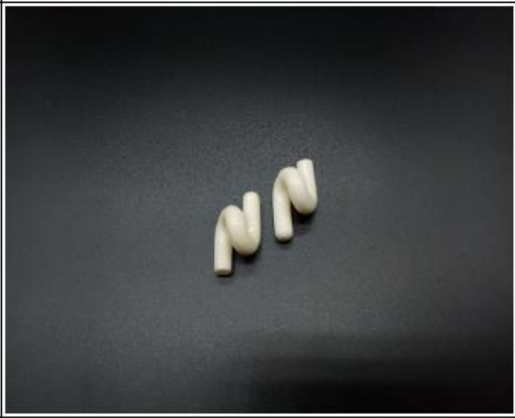
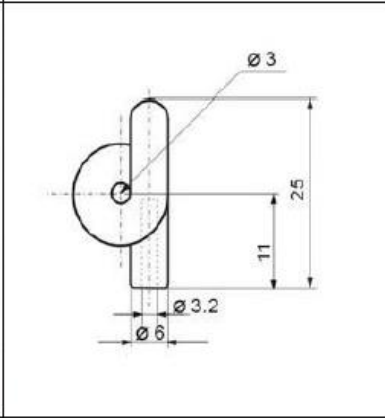
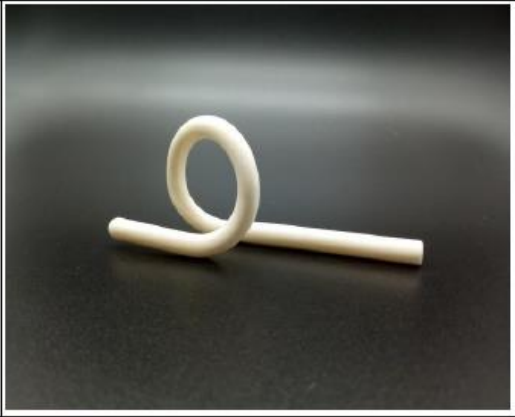
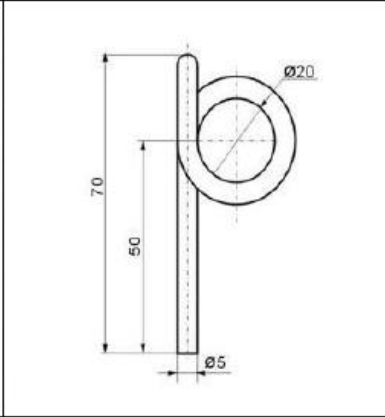

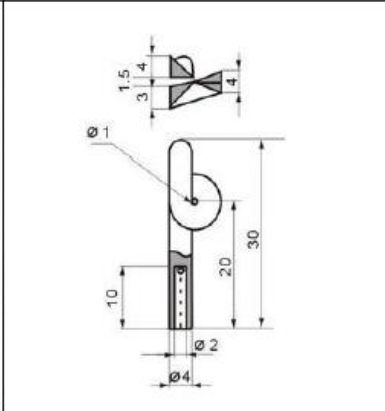
Trophy (Singapore) Pte Ltd

Blk 3006, Ubi Road 1, #03-362, S'pore 408700. Tel: 65-6842 4356 Fax: 65-6842 4357  
Email: sales@ruby-nozzles.com


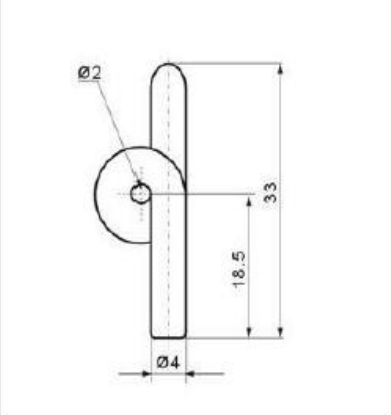

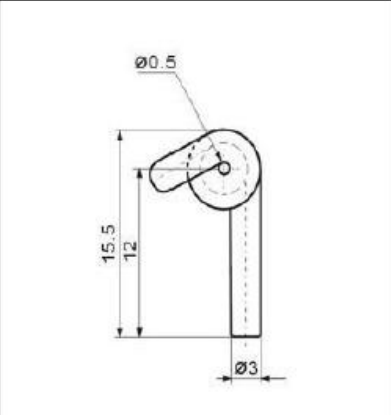

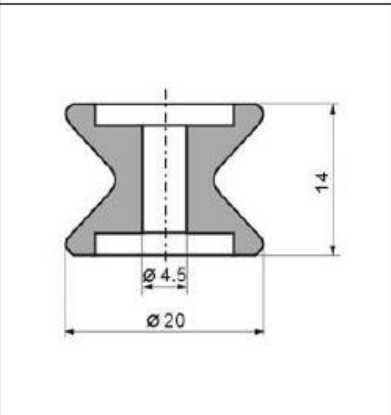

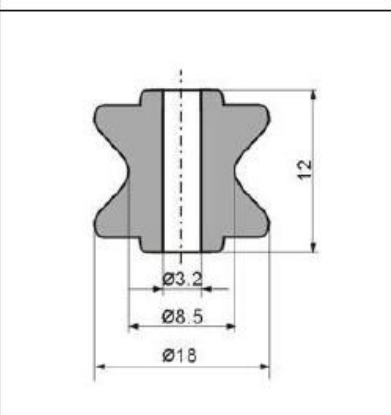
# CERAMIC PIGTAILS AND ROLLERS FOR ALL KIND OF WINDING MACHINES


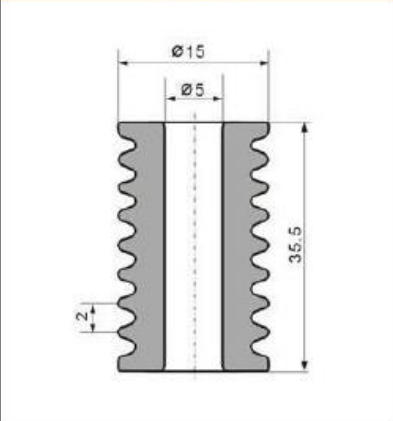

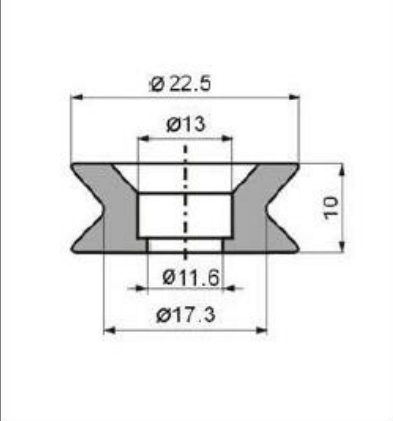

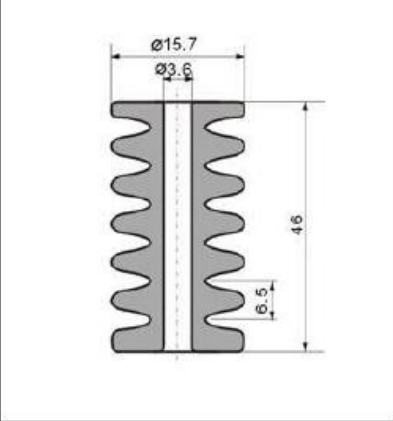

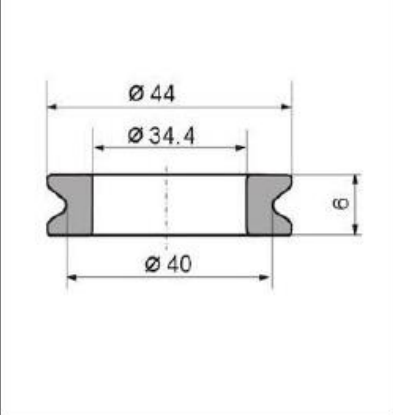
The ORLANDO RICARDO SANTOS have now in our products list PigTails and Rollers with different diameters. Our products are made of fine ceramic (Alumina AL<sub>2</sub>O<sub>3</sub>). Are excellent for heat and wear resistance.



PN	Picture	2D Dwg.	Material
P-1447			99.5% Al <sub>2</sub> O <sub>3</sub>
P-1529			99.5% Al <sub>2</sub> O <sub>3</sub>
P-1661			99.5% Al <sub>2</sub> O <sub>3</sub>
P-1777			99.5% Al <sub>2</sub> O <sub>3</sub>



PN	Picture	2D Dwg.	Material
P-1914			99.5% Al <sub>2</sub> O <sub>3</sub>
P-1916			99.5% Al <sub>2</sub> O <sub>3</sub>
R-1436			99.5% Al <sub>2</sub> O <sub>3</sub>
R-1481			99.5% Al <sub>2</sub> O <sub>3</sub>

PN	Picture	2D Dwg.	Material
R-1510			99.5% Al <sub>2</sub> O <sub>3</sub>
R-1520			99.5% Al <sub>2</sub> O <sub>3</sub>
R-1729			99.5% Al <sub>2</sub> O <sub>3</sub>
R-1917			99.5% Al <sub>2</sub> O <sub>3</sub>