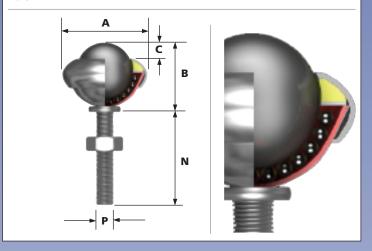
# **THREAD FIXING UNITS**

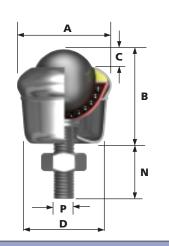
# 3001

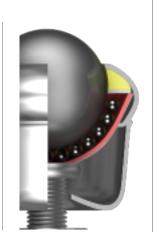
Features: Adjustable height, drilled hole fixing. Optional extras: Additional nuts, alternative thread sizes, dirt exit hole.



#### 3002

Features: Large support area, greater stability, drilled hole fixing. Optional extras: Alternative thread sizes, dirt exit hole.

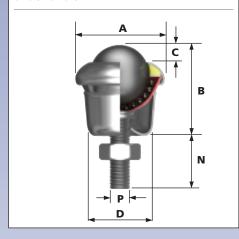




#### 1003

Features: Large support area, greater stability, drilled hole fixing.

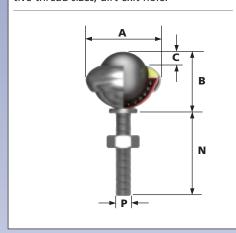
Optional extras: Alternative thread sizes, dirt exit hole.



#### 1009

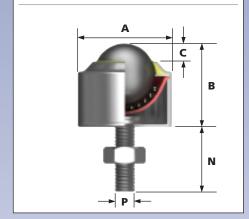
Features: Adjustable height, drilled hole fixing.

Optional extras: Additional nuts, alternative thread sizes, dirt exit hole.



#### 1501

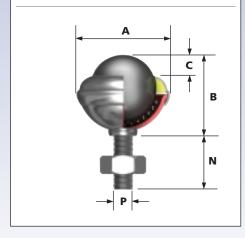
Features: Large support area, greater stability, drilled hole fixing. High load capacity, plastic knife edge seal on main ball. Optional extras: Alternative thread sizes, dirt exit hole.



## 2001

Features: Adjustable height, drilled hole fixing.

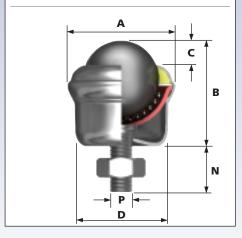
Optional extras: Additional nuts, alternative thread sizes, dirt exit hole.



### 2005

Features: Large support area, greater stability, drilled hole fixing.

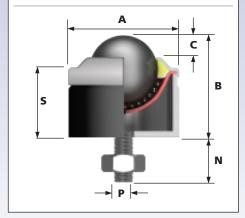
Optional extras: Alternative thread sizes, dirt exit hole.



#### 4004

Features: Adjustable height, drilled hole fixing. High load capacity, dirt exit hole. Optional extras: Grease points can be fitted. Alternative thread sizes.

Finish: Body black for types 13 & 16



REF No.	BALL MAX WEIGHT DIMENSION SIZE TORQUE (KGS)						ONS (mm)			
	(mm)	on NUT (Nm)		Α	В	С	D	N	Р	
		(MIII)		Max Diameter	Working Height of Ball	Ball Exposure above Outer Ring	Body Diameter	Length of Thread	Thread Sizes	

#### **MAXIMUM DYNAMIC LOADING (kg)**

TYPE 13	TYPE 14
arbon Steel	Nylon Load
earings, Zinc	Bearing, Zinc

LOAD UP

Plated Pressings Plated Pressings 三

LOAD UP

**TYPE 15** Stainless Steel Bearings and

**TYPE 16** Stainless Steel Bearings, Zinc Plated Pressings

匿 匤 ---LOAD UP LOAD UP LOAD DOWN

3001	19	15	0.060	32.1	24.6	4.7	-	25 30 35 40 50	M8
3002			0.080	32.1	30.2	4.7	25.4	20 25 30 35 45	

25 10 20 10 25 10 25 10

Ball units are also available with black phenolic load balls (see page 3 suffix PB) of  $\varnothing$ 19mm and  $\varnothing$ 25.4mm. Ball transfer units assembled with a black phenolic load ball can be used for glass handling applications.

1003			0.160	39.7	39.7	6.3	25.4	18 23 28 33 43	
1009	25.4	15	0.140	33.7	32.5	0.5	-	25 30 35 40 50	M8
1501			0.180	39.5	35.8	6.1	-	18 23 28	

55	25	25	10	55	25	55	25
100	50	25	5	100	50	100	50

\*Pattern 4004 can be supplied with other screw sizes or plain shanks.

							_					
REF No.	BALL SIZE	MAX TORQUE	WEIGHT (KGS)		DIMENSIONS (mm)							
	(mm)	on NUT		Α	В	c	D	N	Р*	S		
		(Nm)		Max Diameter	Working Height of Ball	Ball Exposure above Outer Ring	Body Diameter	Length of Thread	Thread sizes	Base to top of body		
2001	39.7	20	20	20	0.400	55.5	47.62	44.0	-	25 30 40 50	N440	
2005		20	0.460	55.5	54.8	11.9	49	22 32 42	M10	-		
4004	50.8	25	1.720	89	76	14.3	-	UPTO	5/8" Whit	53.8		

2005			0.400	33.3	34.0		43	42		
4004	50.8	25	1.720	89	76	14.3	-	UPTO 75	5/8" Whit <b>M16</b>	5:
To order,	specify RE	F N°, TYPE	and LENG1	H OF T	HREAD	, i.e. 30	001-13-	-25.		

General Tolerance unless stated ±0.3mm

MAXIMOM DYNAMIC LOADING (kg)										
TYP	E 13	TYP	E 14	TYP	E 15	TYPE 16				
Carbon Steel Bearings, Zinc Plated Pressings		Nylon Load Bearing, Zinc Plated Pressings		Stainle Bearing Pressin		Stainless Steel Bearings, Zinc Plated Pressings				
医豆		ح		墨	<b>—</b>	ح	묘			
LOAD UP	LOAD DOWN	LOAD UP	LOAD DOWN	LOAD UP	LOAD DOWN	LOAD UP	LOAD DOWN			
140	60	N/A	N/A	140	60	140	60			
340 100		N/A	N/A	250 100		340	100			

MAXIMUM DVNAMIC LOADING (kg)

Tel: +44 (0) 121 380 4700 Fax: +44 (0) 121 380 4701 sales@alwayse.co.uk www.alwayse.co.uk