

05-213



# GRAVIMETRIC FEEDER SPECIFICATION FOR WAVY WASHER

SPEC. NO. REV.  
**GF.043** 02

MATERIAL CODE:- 96-424-0711 FEEDER SIZE :- 36"  
NO.OFF/FEEDER :- 3 LOCATION :- 65-736  
[WEIGH SPAN ROLLER ASSY &  
WEIGH SPAN ROLLER ASSY-WITH  
MOTION MONITOR ]

DESCRIPTION :- WAVY SPRING WASHER FOR LOADING BALL  
BEARING NO.6204.

01 MATERIAL :- HIGH CARBON FINELY  
TEMPERED SPRING STEEL [SAE1095 OR EQUIV.]

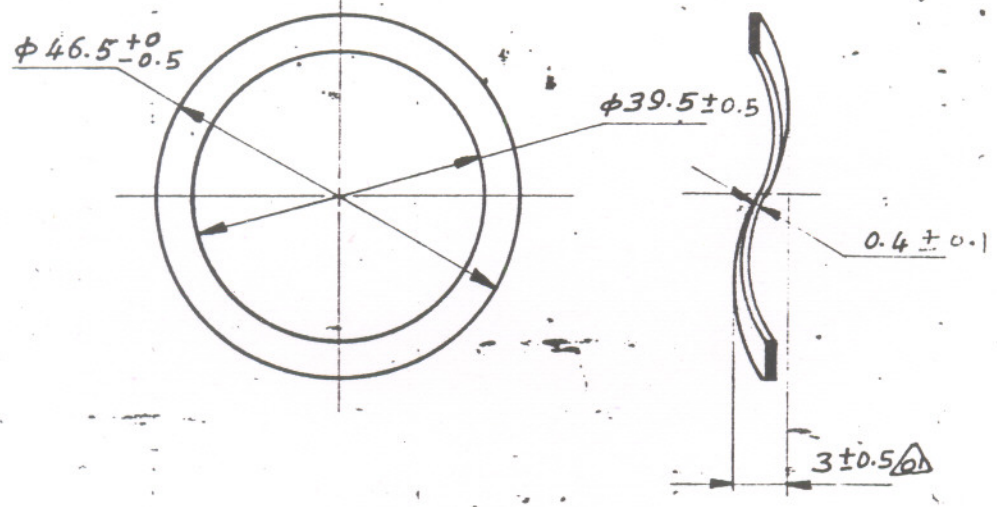
THICKNESS :- 0.4 mm  $\pm 0.1$

01 SURFACE FINISH:- BLUED

01 FREE HEIGHT :- 3mm.

01 LOADED HEIGHT :- 1.5mm

01 LOAD AT COMPRESSION:- 14 kg. [APPROX. 30 LBS]



ALL DIMENSIONS ARE IN MM. P/S STOCK PART NO. X1514-57

REV.01 21.09.89	REDRAWN. HEIGHT WAS 5.2 TECHNICAL INFORMATION ADDED	<i>R. Venkatas</i>	REV.02 TOLERANCES 21.11.93 ADDED.	ALD. <i>D. Venk</i>	CHD. <i>R. Venk</i>	APPD. <i>[Signature]</i>
	NAME	SIGN	DATE	<b>MILLS &amp; FEEDERS</b>		SH. NO.
PREPARED	R.VENKATACHALAN	<i>R. Venkatas</i>	21.09.89.			01
CHECKED	D.K. RAVI.	<i>D.K. Ravi</i>	21.9.89			NO. OFF. SH.
APPROVED	M.A. SANNY.	<i>M.A. Sanny</i>	21.9.89			01

**BHARAT HEAVY ELECTRICALS LIMITED**  
**TIRUCHIRAPPALLI - 620 014**

**MATERIAL HANDLING SYSTEM / PE(BOILERS)**



**TITLE SHEET**

*Gravimetric Feeder*  
*Specification for*  
**Compression Spring**

*Specification Number* : **GF-083**  
*PGMA* : **65-736**

*Revision No.* : **03**

03	05/08/2002	Specification Revamped	
02	---	Redrawn. Material spec. changed, Crass Section was rectangular.	-sd-
01		Related Spec. Added	-sd-
<i>Rev. No.</i>	<i>Date</i>	<i>Revision Statement</i>	<i>Checked. &amp; Appd.</i>

	<i>NAME</i>	<i>SIGNATURE</i>	<i>DATE</i>
<i>PREPARED</i>	S.Manivannan		
<i>CHECKED</i>	S.Selvaraju		
<i>APPROVED</i>	S.V.Sivaramulu		



**Gravimetric Feeder**  
Specification for  
**Compression Spring**

Spec. No.  
**GF-083**  
Rev. 03

Sheet  
02 of 02

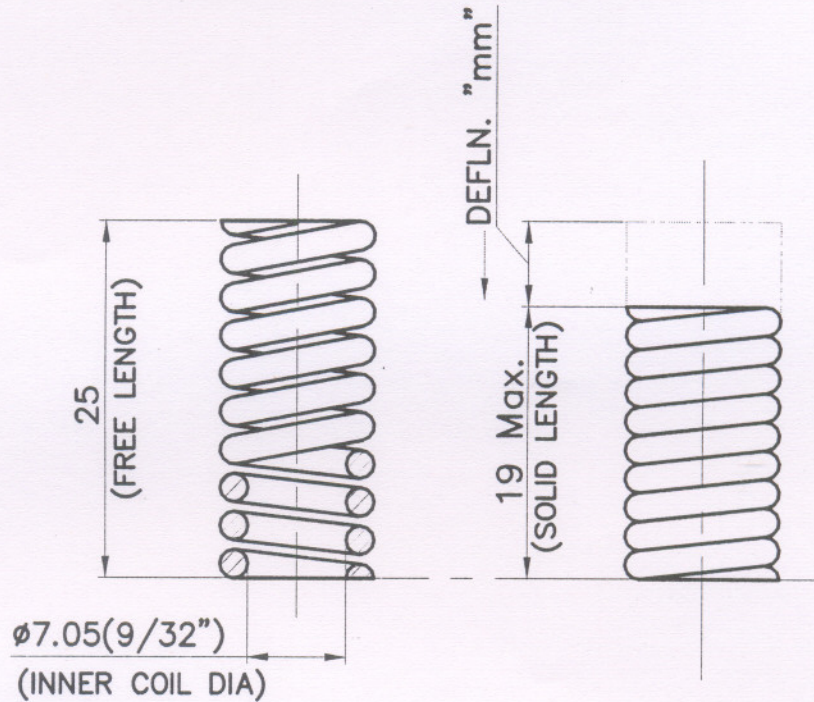
**Material code** : 96-424-061

**Feeder Size** : 36"

**Quantity/ Feeder** : One

**PGMA** : 65 - 736  
(Weigh sensing system assy.)

**Description** : Compression spring for weigh sensing system Assy.



**Specification**

Outer coil Dia.( Max.)	: 12.70 mm [1/2"]
$\triangle 02$ Wire size	: 2mm Dia.
Free length	: 25mm [1"]
Solid length	: 19 mm [3/4"]
Spring rate	: 1.8 kg/mm [100 lbs/inch]
$\triangle 02$ Material	: High carbon steel (Oil Hardened)
	AISI 1095 or
	BS 970 - EN 44 or
	IRS M24 / 62

Spring to have closed ends, ground square.

Stack part No. W19315-1