



# 203 SERIES TGW



Designed for high pressure applications.  
Poppet Valve closing system.  
BSP, NPTF threads and other upon request.

### • Materials

Carbon Steel *EN -10277-3, AISI 316 and AISI 303*

Seals: NBR, Viton or EPDM

Back-up-ring: PTFE

Springs: *Carbon Steel DIN 17233/84(B)*

• **Applications:** Designed for Oil hydraulic Applications according to European Directive 97.23EC Special for American market

### • Equivalence

GROMELLE 6000  
TUTHILL 6000

### • Working temperature (Seals)

	NBR	Viton	EPDM
	+100°C	+200°C	+150°C
	-30°C	-10°C	-40°C

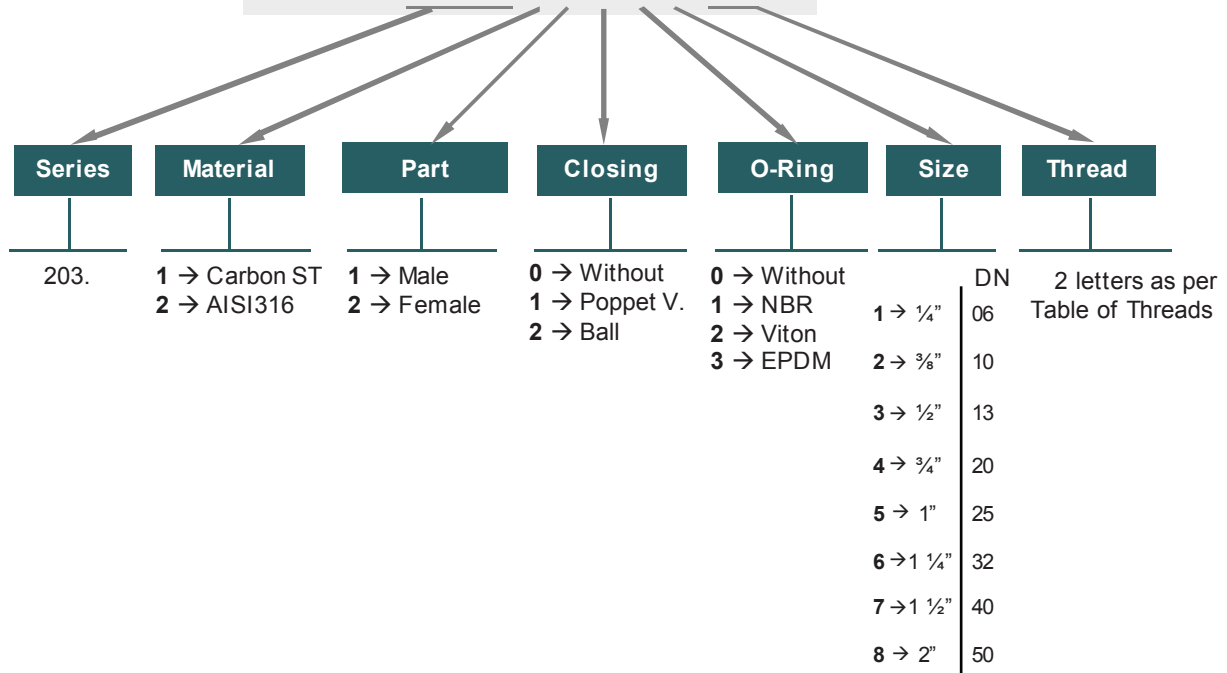
### • Sectors: Industrial



### MODEL STRUCTURE

Example;

**203.11115AF**



**203-1**





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MALE					
DN	E/C	C	ØF	ØG	L
06	19	36	14,90	M27x1,5	72
10	22	40,50	18,95	M30x1,5	81
13	27	46	22	M35x1,5	92
20	35	56	28,95	M45x1,5	112
25	41	63	36	M54x1,5	126
32	58	75	49,80	M70x2	150
40	61	83,50	55	M78x2	167
50	71	118	69,40	M92x2	237

STANDARD MODELS				
DN	ØA	MALE	FEMALE	
06	1/4" BSP	203.11111AB	203.12111AB	950Bar
	1/4" NPTF	203.11111BB	203.12111BB	
10	3/8" BSP	203.11112AC	203.12112AC	750Bar
	3/8" NPTF	203.11112BC	203.12112BC	
13	1/2" BSP	203.11113AD	203.12113AD	750Bar
	1/2" NPTF	203.11113BD	203.12113BD	
20	3/4" BSP	203.11114AE	203.12114AE	650Bar
	3/4" NPTF	203.11114BE	203.12114BE	
25	1" BSP	203.11115AF	203.12115AF	450Bar
	1" NPTF	203.11115BF	203.12115BF	
32	1 1/4" BSP	203.11116AG	203.12116AG	450Bar
	1 1/4" NPTF	203.11116BG	203.12116BG	
40	1 1/2" BSP	203.11117AH	203.12117AH	300Bar
	1 1/2" NPTF	203.11117BH	203.12117BH	
50	2" BSP	203.11118AI	203.12118AI	300Bar
	2" NPTF	203.11118BI	203.12118BI	

FEMALE				
DN	E/C	B	CH1	L
06	19	59	32	72
102	22	67	36	81
13	27	73,50	41	92
20	35	89,50	50	112
25	41	105,50	65	126
32	58	130,50	80	150
40	61	143,50	85	167
50	71	203,50	105	237



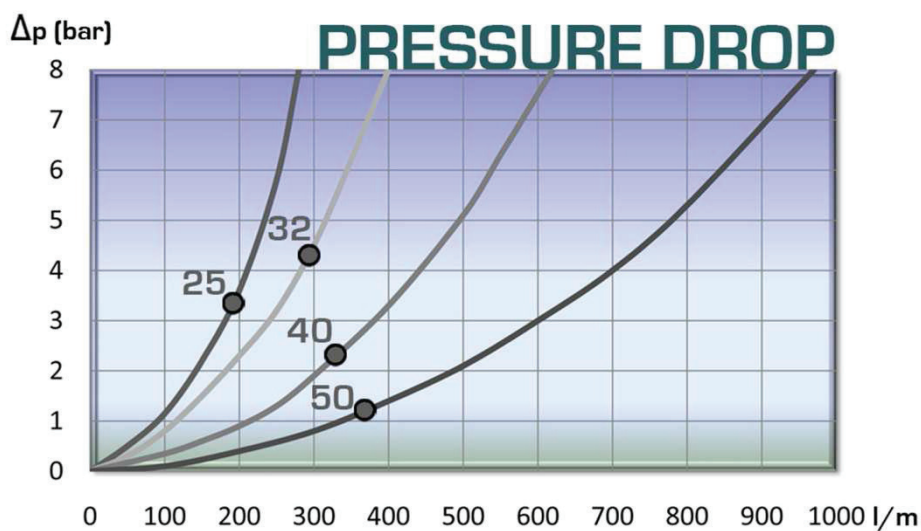
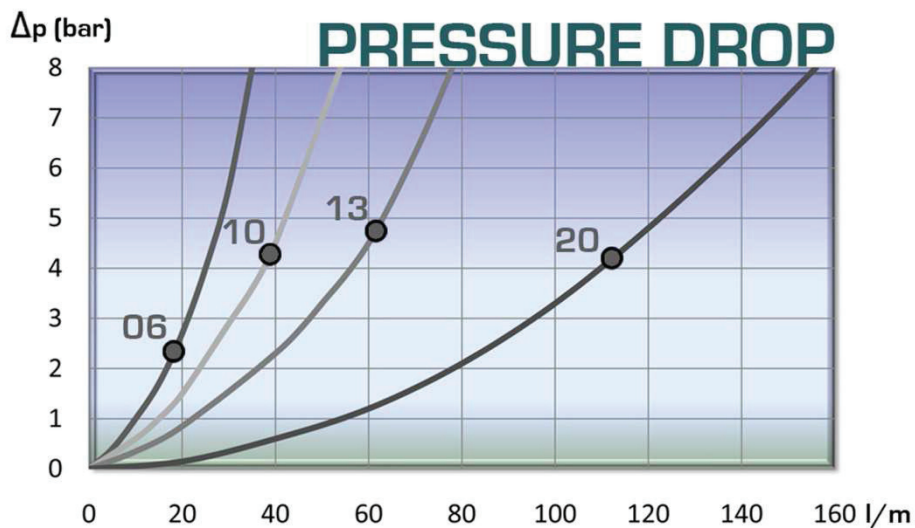
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## TECHNICAL DATA

DN	Rated Flow	Min Burst Pressure (bar)			Max. Working Pressure
		Male	Female	Coupled	
06	18 l/m	3650	3500	3800	950 bar
10	38 l/m	3000	2900	3000	750 bar
13	62 l/m	2950	3000	3000	750 bar
20	116 l/m	2520	2500	2600	650 bar
25	194 l/m	1800	1650	1800	450 bar
32	290 l/m	1700	1650	1800	450 bar
40	318 l/m	1100	1250	1200	300 bar
50	365 l/m	1100	1100	1200	300 bar

\* Safety factor 1:4  
Carbon Steel Models



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**TGW** PLUGS & CAPS

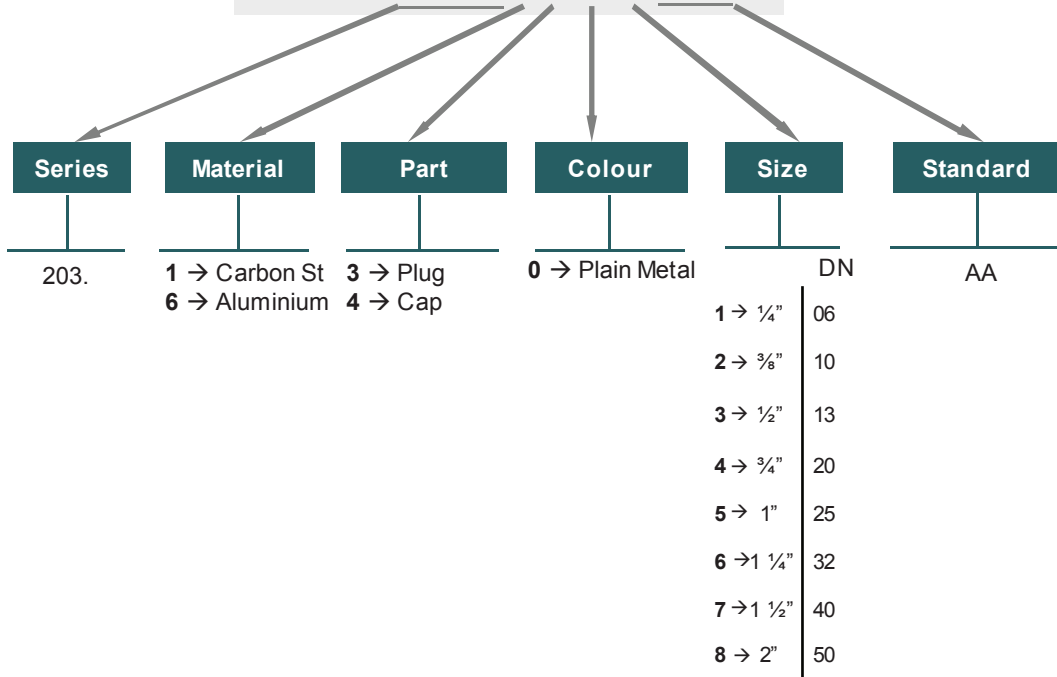


TGW SERIES PLUGS, CAPS and have been designed to protect FEMALE (coupler) or MALE (nipple) parts while they are disconnected.

## MODEL STRUCTURE

Example;

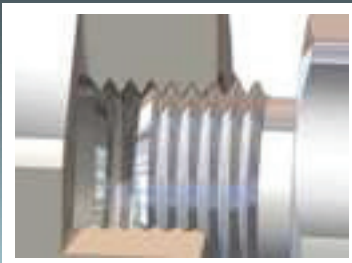
**203.6404 AA**



PLUG				
DN	REF.	ØA	L	ØB
06	203.6301AA	32	18,50	25
10	203.6302AA	35	20,50	30
13	203.6303AA	40	20,50	30
20	203.6304AA	50	25,50	42
25	203.6305AA	60	27	42
32	203.6306AA	75	39	50
40	203.6307AA	85	41	50
50	203.6308AA	99	43	50



CAP				
DN	REF.	ØA	L	ØB
06	203.6401AA	32	30	25
10	203.6402AA	35	37	30
13	203.6403AA	40	38	30
20	203.6404AA	50	46	42
25	203.6405AA	60	55	42
32	203.6406AA	75	77	50
40	203.6407AA	85	74	50
50	203.6408AA	100	121	50



# 999 SERIES THREADS



BSP			NPTF			BSPT		
THREAD (inches)	FEMALE	MALE	THREAD (inches)	FEMALE	MALE	THREAD (inches)	FEMALE	MALE
1/8"	AA	AL	1/8"	BA	BL	1/8"	DA	DL
1/4"	AB	AM	1/4"	BB	BM	1/4"	DB	DM
3/8"	AC	AN	3/8"	BC	BN	3/8"	DC	DN
1/2"	AD	AO	1/2"	BD	BO	1/2"	DD	DO
3/4"	AE	AP	3/4"	BE	BP	3/4"	DE	DP
1"	AF	AQ	1"	BF	BQ	1"	DF	DQ
1 1/4"	AG	AR	1 1/4"	BG	BR	1 1/4"	DG	DR
1 1/2"	AH	AS	1 1/2"	BH	BS	1 1/2"	DH	DS
2"	AI	AT	2"	BI	BT	2"	DI	DT
2 1/2"	AJ	AU	2 1/2"	BJ	BU			
3"	AK	AV	3"	BK	BV			

BSP Bulkhead		DIN3852		UNF			SPECIALS	
THREAD		THREAD		THREAD	ORB FEMALE	MALE	THREAD	
1/8"	CL	M14x1,5	NC	7/16"-20UNF	GA	HA	KFA	M20x1,5 Ø13,5
1/4"	CM	M16x1,5	ND	9/16"-18UNF	GC	HC	KFB	M20x1,5 Cone 60°
3/8"	CN	M18x1,5	NE	11/16"-16UN	GE	HE	HFA	3/4"-16M. Without 37°
1/2"	CO	M20x1,5	NF	3/4"-16UNF	GF	HF	JDA	M16x1,5 Bulkhead M20x1,5
3/4"	CP	M22x1,5	NG	13/16"-16UN	GG	HG	GFA	3/4"-16UNF cylinder
1"	CQ	M24x1,5	NH	7/8"-14UNF	GH	HH	JGA	M22x1,5 Prolonged
1 1/4"	CR	M26x1,5	NI	1 1/16"-12UN	GK	HK	JGB	M22x1,5 15L Long. Hex 35mm
1 1/2"	CS	M30x2	NJ	1 3/16"-12UN	GM	HM	LGA	M22 Bulkhead Prolonged
2"	CT	M36x2	NK	1 5/16"-12UN	GO	HO		
		M42x2	NL	1 7/16"-12UN	GQ	HQ		
		M45x2	NM	1 5/8"-12UN	GT	HT		
		M52x2	NN	1 11/16"-12UN	GU	HU		
		M30x1,5	NS	1 7/8"-12UN	GV	HV		

DIN2353				DIN2353 Bulkhead			
THREAD	L	THREAD	S	THREAD	L	THREAD	S
M12x1,5 6L	JB	M16x1,5 8S	KD	M12x1,5 6L	LB	M16x1,5 8S	MD
M14x1,5 8L	JC	M18x1,5 10S	KE	M14x1,5 8L	LC	M18x1,5 10S	ME
M16x1,5 10L	JD	M20x1,5 12S	KF	M16x1,5 10L	LD	M20x1,5 12S	MF
M18x1,5 12L	JE	M22x1,5 14S	KG	M18x1,5 12L	LE	M22x1,5 14S	MG
M22x1,5 15L	JG	M24x1,5 16S	KH	M22x1,5 15L	LG	M24x1,5 16S	MH
M26x1,5 18L	JI	M30x2 20S	KJ	M26x1,5 18L	LI	M30x2 20S	MJ
M30x2 22L	JJ	M36x2 25S	KK	M30x2 22L	LJ	M36x2 25S	MK
M36x2 28L	JK	M42x2 30S	KL	M36x2 28L	LK	M42x2 30S	ML
M45x2 35L	JM	M52x2 38S	KN	M45x2 35L	LM	M52x2 38S	MN

