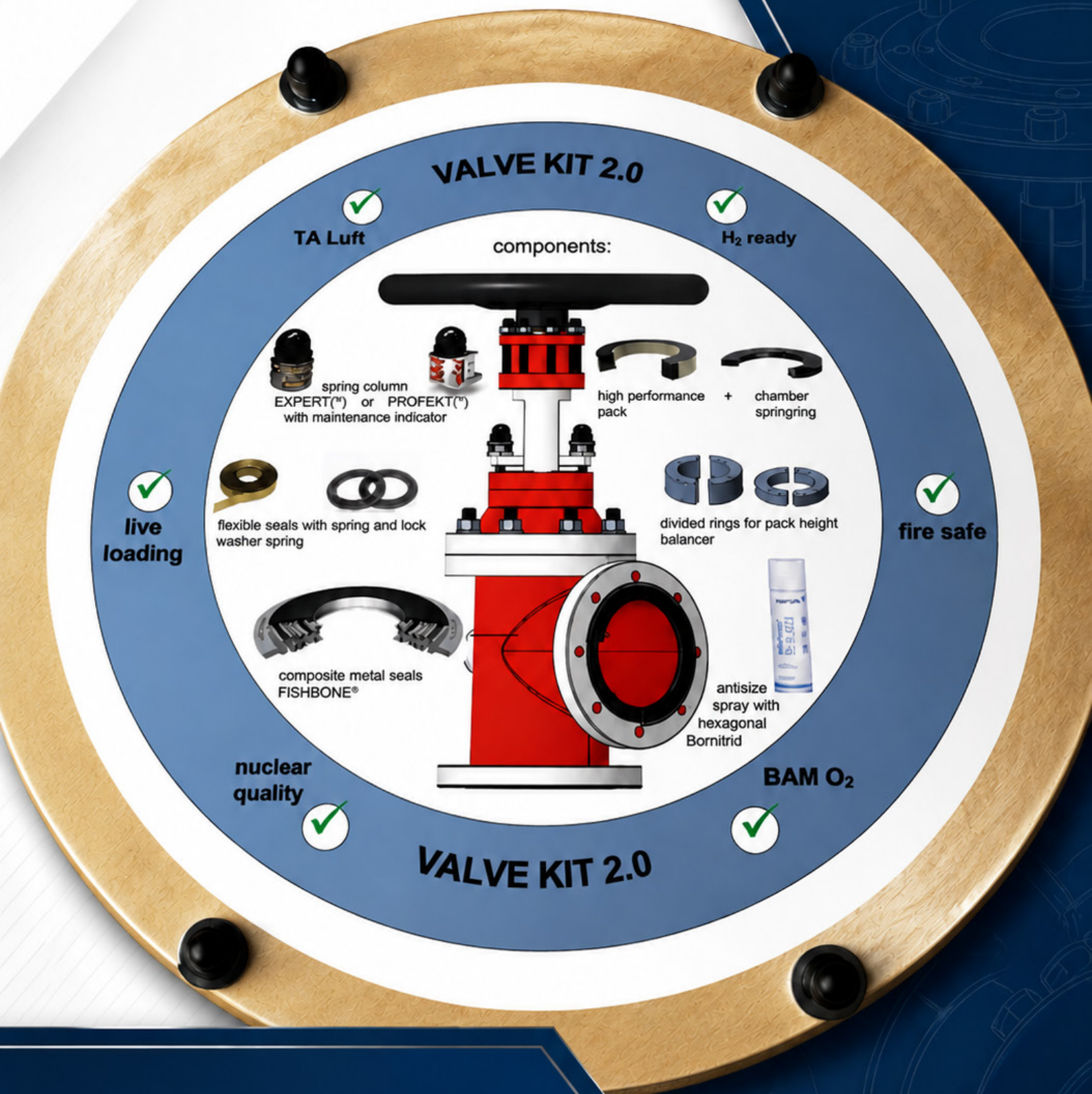




FISHBONE™ Gasket



The Future of High Performance Sealing



Flange Joint Integrity Management Systems

We can assist with turnkey shutdown services.

Not only do we perform analyses and provide expertise, but we also supply the people, skills, methods and tools

OR

Use our Equipment with Training programs

Offering the best machinery and equipment giving you the most modern and versatile torque, tension and lifting options



AIGI 693VG Valve Pre-loading Disc Spring Kit

Product Description

If you incorrectly select a valve preload disc spring with too little pressure, after 30% recovery in the bolt preload, the spring will not provide enough preload for sealing and the effect will be the same as no disc springs had been used.

If a valve is incorrectly selected with too high pressure, it will exceed the sealing material's elastic limit or the valve stem will be clogged, which is even worse than not using a disc spring.

AIGI 693VG Valve Pre-loading disc spring kit provides correct disc spring material, heat treatment process and curve design.

ISO 9001 | ISO 14001 Certified



Size	Qty. per kit	HO (incl. sleeve)(mm)	Sleeve height (mm)	Sieve OD(mm)	Deflection (mm)	Preload (N)	Torque
M6	4	9.8	7.8	19	2	3627	5.5
M8 (5/16")	8	19.64	14.3	22	5.34	5595	11
M10 (3/8")	6	16.56	14.3	29	2.26	4717	25
M12 (7/16")	8	20.92	18.1	29	2.82	4837	36
M12.7 (1/2")	6	18.42	16	32	2.42	6275	38
M14	4	15.28	13	38	2.28	8363	44
M16 (5/8")	4	17.72	15.3	43	2.42	12897	75
M18	6	24.6	21.4	43	3.2	12144	118
M19 (3/4")	4	17.32	15.2	43	2.12	12350	133
M20	8	28.6	22.7	45	5.9	7573	152
M20-B	6	28.32	24.3	49	4.02	16951	163
M22 (7/8")	4	19.68	17.2	49	2.48	16478	185
M24	4	22.2	19.2	56	3	21900	202
M33	4	26.6	23.3	68	3.3	31235	439

Remarks:

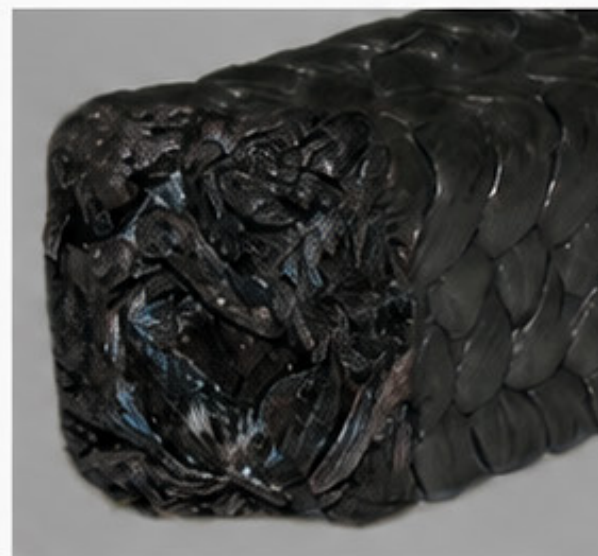
Valve disc springs can be customised according to the working conditions. After the working conditions are provided, we could calculate and design valve spring kit to meet the customer's preload and deflection requirements



AIGI HIGH QUALITY PACKINGS

AIGI 22 Power Station Packing

DATA SHEET



Properties Value

Color	Black
Temperature	570°C
PH Range	PH 0-14
Max. Liner speed	15 m/s
Pressure	250Kg/cm2 (3625 PSI)

Service Media & Conditions

Pumps and valves against steam, water, solvents, acids and alkalis

Application

Wide range for general sealing applications: Pumps, mixers, refiners, Valves, Agitators and other rotating equipment.

AIGI 22 comes in all cross-sections (size) and 5 pound and 10 pound boxes



AIGI 22 is made from a high strength, high purity carbon fiber with only minor quantities of braiding strings added giving the finished packing great temperature and pressure resistance. It is designed for use in high temperature valves and pumps against steam, hot water, solvents, acids and alkalis especially in Power Stations



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AIGI HIGH QUALITY PACKINGS

AIGI 28 Power Station Packing

DATA SHEET



Properties Value

Color	Black
Temperature	1000°C (over 650°C ask for technical advise)
PH Range	PH 0-14
Max. Liner speed	13m/s
Pressure	200Kg/cm2 (3000 PSI)

Service Media & Conditions

Pumps and valves against steam, water, solvents, acids and alkalies

Application

Wide range for general sealing applications: Pumps, mixers, refiners, Valves, Agitators and other rotating equipment.

AIGI28 comes in all cross-sections (size) and 5 pound and 10 pound boxes



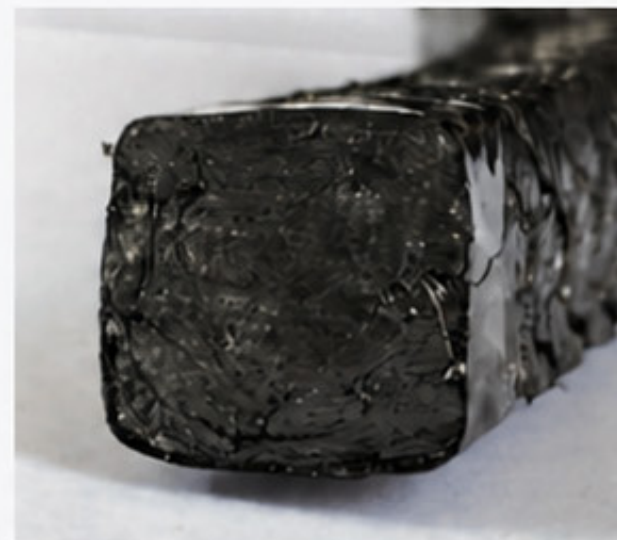
AIGI 28 is an interbraid Packing using high quality carbon fiber reinforced flexible graphite tape. The extreme temperature resistance, self-lubricated capability and high heat dissipation make AIGI 28 an excellent choice for high temperature and high speed equipment. The tremendous seal-ability and strength of the reinforced flexible graphite also make it an excellent choice for valves in power plants.



AIGI HIGH QUALITY PACKINGS

AIGI 29 Power Station Packing

DATA SHEET



Properties Value

Color	Black
Temperature	570°C
PH Range	PH 0-14
Pressure	300Kg/cm2 (4350 PSI)

Service Media & Conditions

Valves against steam, water, solvents, acids and alkalies

Application

Wide range of Steam Valves

AIGI 29 uses a nickel wire reinforced Flexible Graphite yarn embedded in a nickel wire knit jacket which is inter-baded and then coated with special blocking agents for enhanced sealability. The extreme temperature resistance of the flexible graphite combined with the outstanding extrusion resistance of the nickel wire makes AIGI 29 an obvious choice for high temperature/high pressure steam valve applications. The chemical resistance of Flexible Graphite makes AIGI 29 also a good choice for valves in Power Stations and petrochemical plants.

AIGI22 comes in all cross-sections (size) and 5 pound and 10 pound boxes



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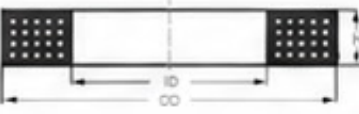
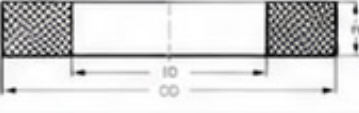
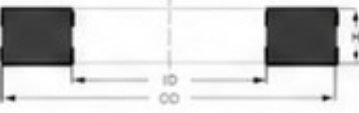
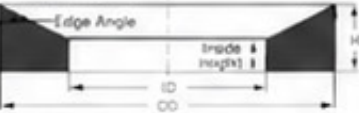
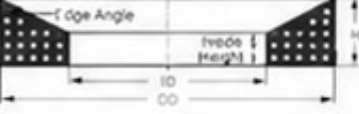
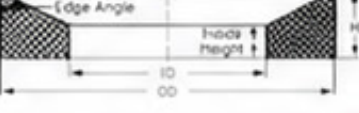
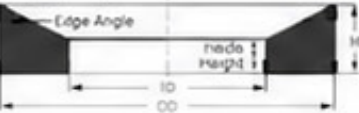
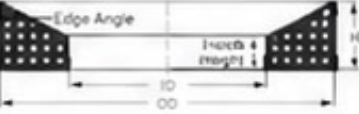
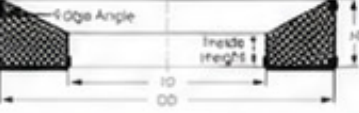
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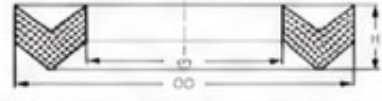
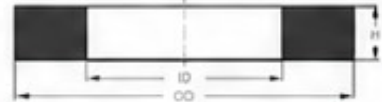
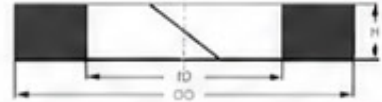
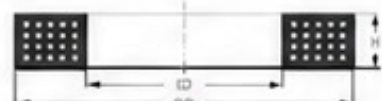
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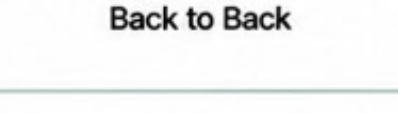
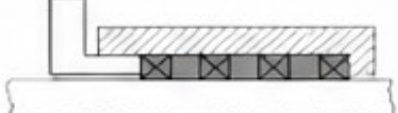
Packing Ring

Cross Section	Code	Material
Rectangle	 AIGI 1GS0	Graphite
	 AIGI 1GS1	Graphite + Nickel wire
	 AIGI 1GS2	Graphite + Nickel mesh
Rectangle 304 edged (option: 316ss)	 AIGI 1GS0-304	Graphite
	 AIGI 1GS1-304	Graphite + Nickel wire
	 AIGI 1GS2-304	Graphite + Nickel mesh
Wedge	 AIGI 1GW0	Graphite
	 AIGI 1GW1	Graphite + Nickel wire
	 AIGI 1GW2	Graphite + Nickel mesh
Wedge 304 edged (option: 316ss)	 AIGI 1GW0-304	Graphite
	 AIGI 1GW1-304	Graphite + Nickel wire
	 AIGI 1GW2-304	Graphite + Nickel mesh

Graphite Packing Ring Set

Type	Cross Section	Code	Material
Type V 	 AIGI 1GV0	Graphite	
	 AIGI 1GV0-QIE	Graphite	
Type Matrix 	 AIGI 1GV1	Graphite + Nickel wire	
	 AIGI 1GV2	Graphite + Nickel mesh	
Back to Back 	 AIGI 1GS0	Graphite	
	 AIGI 1GS0-QIE	Graphite	
One by One 	 AIGI 1GS1	Graphite + Nickel wire	
	 AIGI 1GS2	Graphite + Nickel mesh	

Graphite Packing Ring Set Assemble

Type	Type	Code	Material
Assemble V 	 Back to Back	AIGI 14+AIGI 1GS0 AIGI 14+AIGI 1GS0-QIE AIGI 14+AIGI 1GS1 AIGI 14+AIGI 1GS2	End Ring : AIGI 14 Sealer Ring : Graphite Packing Ring
	 One by One	AIGI 14+AIGI 1GS0 AIGI 14+AIGI 1GS0-QIE AIGI 14+AIGI 1GS1 AIGI 14+AIGI 1GS2	AIGI 14 + Graphite Packing Ring
Assemble Matrix 			

DISC SPRINGS





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-

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