

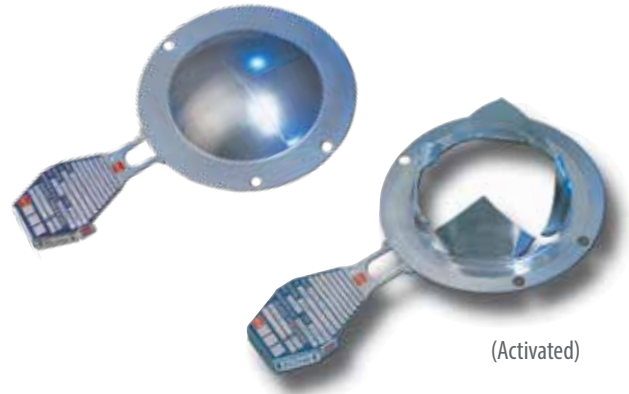
Nu-Saf™

Scored Forward Acting Rupture Disks



XN-85™ Precision Scored, High Performance Rupture Disks

The XN-85 is specially manufactured by forming the disk first and then scoring. This creates a minimally stressed score pattern offering optimum service life and an extended operating pressure limit of 85% of marked burst pressure or 90% of minimum burst pressure, even under cyclic conditions. Consult us with your particular operating requirements.



Features

- Solid metal
- Precision scored
- Designed for non-fragmentation
- Withstands full vacuum without support
- Operates up to 85% of the disk's marked pressure or 90% of minimum burst pressure
- Liquid and gas service (acceptable for liquid service with gas driven liquid conditions; consult factory)
- Damage safety ratio <1
- Optimum forward acting disk for pulsating or cycling conditions
- 0%, -5% and -10% manufacturing design range
- For use in pretorqued BS&B safety heads type NFI-7RS and NF-7RS or preassembled safety head types NX-7R and NF-7R

Burst Tolerance

Marked burst pressure	Burst tolerance
≤ 40 psig (2.76 barg)	± 2 psig (0.138 barg)
> 40 psig (2.76 barg)	± 5%

Manufacturing Design Range (MDR)

The choice of a 0%, -5% or -10% MDR is available. The total range is placed on the minus side of requested burst pressure.

Material	Maximum Recommended Temperature	
	°F	°C
Aluminum	250°F	121°C
Nickel (alloy 200)	750°F	399°C
Monel® (alloy 400)	900°F	482°C
Inconel® (alloy 600)	1100°F	593°C
316 stainless steel	900°F	482°C
Hastelloy® C-276 (alloy C-276)	900°F	482°C

XN-85 Disk Specifications Minimum / Maximum Pressure Ratings at 72°F (22°C)

Disk Size		Nickel Alloy 200				Monel® Alloy 400				Inconel® Alloy 600				316ss				Aluminum			
in	mm	psig		barg		psig		barg		psig		barg		psig		barg		psig		barg	
		Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
1	25	188	1500	13	103	225	1500	16	103	225	1800	16	124	335	1800	23	124	113	188	8	13
1.5	40	135	1500	9	103	165	1500	11	103	165	1800	11	124	250	1800	17	124	81	135	6	9
2	50	113	1350	8	93	135	1350	9	93	135	1800	9	124	200	1800	14	124	68	113	5	8
3	80	90	1250	6	86	108	1250	8	86	108	1600	8	110	160	1600	11	110	54	90	4	6
4	100	75	1200	5	82	90	1200	6	83	90	1400	6	97	135	1400	9	97	45	75	3	5
6	150	60	1100	4	76	72	1100	5	76	72	1150	5	79	125	1200	8.5	83	36	60	2.5	4
8	200	53	1000	4	69	63	1000	4	69	63	1050	4	72	120	1100	8	76	-	-	-	-
10	250	45	900	3	62	54	900	4	62	54	950	4	66	115	1000	8	69	-	-	-	-
12	300	41	750	3	52	50	750	4	52	50	850	4	59	110	900	8	62	-	-	-	-
14	350	35	500	2	34	42	500	3	34	42	700	3	48	100	800	7	55	-	-	-	-
16	400	33	270	2	19	39	270	3	19	39	350	3	24	90	400	6	28	-	-	-	-
18	450	33	200	2	14	38	200	3	14	38	260	3	18	85	300	6	21	-	-	-	-
20	500	32	170	2	12	36	170	2.5	12	36	220	2.5	15	80	250	5.5	17	-	-	-	-
24	600	30	140	2	9	33	140	2	9	33	180	2	12	70	200	5	14	-	-	-	-

Optional liner; liners are available in all sizes on the process or downstream side (or for both; consult factory). Fluoropolymer film application range -40°F (-40°C) to 500°F (260°C)



Type XT™ Advanced Rupture Disk Performance from a Forward Acting, Tension Loaded Design



Material	Maximum Recommended Temperature	
	750°F	399°C
Nickel alloy 200	750°F	399°C
Monel® alloy 400	900°F	482°C
Inconel® alloy 600	1100°F	593°C
Stainless steel 316	900°F	482°C
Hastelloy® (alloy C-276 or C-22)	900°F	482°C
Aluminum	250°F	121°C
Tantalum	500°F	260°C

Burst Tolerance

Marked Burst Pressure	Burst Tolerance
≤ 40 psig (2.76 barg)	± 2 psig (0.138 barg)
> 40 psig (2.76 barg)	± 5%

Features

- Sizes 1-12 inches (25-300 mm)
- Seven standard materials; wide range of corrosion resistance - Refer to the material temperature table
- 'X' shaped score pattern; designed for non-fragmentation; excellent for relief valve isolation
- Smooth surface on process side; resistant to product accumulation
- Operates up to 80% of marked burst pressure or 85% of minimum burst pressure
- Designed for gas service or liquid service
- High flow capacity / low flow resistance: certified for gas and liquid service
- Fail safe: design safety ratio < 1
- 1 piece solid metal construction; excellent leak tightness
- Withstands full vacuum without support
- Available "CE" marked or ASME stamped (UD)
- For use in pretorqued BS&B safety heads type NFI-7RS and NF-7RS or preassembled safety head types NX-7R and NF-7R
- XT-K welded assembly option is available *A 90% operating pressure ratio may apply under static operating conditions; consult factory*

Burst Pressure Capabilities at 72°F (22°C) for XT Disk in gas service

Nominal Size		Nickel Alloy 200 & Tantalum				Monel® alloy 400 & Inconel® Alloy 600				Hastelloy® Alloy C-276, C-22				316ss				Aluminum			
in	mm	psig		barg		psig		barg		psig		barg		psig		barg		psig		barg	
		min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max
1	25	165	1450	11	100	165	1450	11	100	240	1450	17	100	175	1450	12	100	80	1450	6	100
1.5	40	115	1450	8	100	115	1450	8	100	176	1450	12	100	125	1450	8.6	100	55	1450	4	100
2	50	105	1450	7	100	105	1450	7	100	160	1450	11	100	115	1450	8	100	45	1450	3	100
3	80	90	1300	6.2	90	90	1300	6.2	90	140	1300	10	90	100	1300	7	90	45	1300	3	100
4	100	90	1150	6.2	79	90	1150	6.2	79	140	1150	10	79	95	1150	7	79	40	1150	3	79
6	150	90	1040	6.2	71	90	1040	6.2	71	130	1040	9	72	90	1040	6.2	72	40	1040	3	72
8	200	85	960	5.9	66	85	960	5.9	66	130	960	9	66	90	960	6.2	66	40	960	3	66
10	250	85	840	5.9	58	85	840	5.9	58	125	840	8.6	58	90	840	6.2	58	-	-	-	-
12	300	85	720	5.9	49.6	85	720	5.9	49.6	125	720	8.6	49.6	90	720	6.2	49.6	-	-	-	-

Burst Pressure Capabilities at 72°F (22°C) for XT Disk in liquid service

Nominal Size		Nickel Alloy 200 & Tantalum				Monel® alloy 400 & Inconel® Alloy 600				Hastelloy® Alloy C-276, C-22				316ss				Aluminum			
in	mm	psig		barg		psig		barg		psig		barg		psig		barg		psig		barg	
		min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max
1	25	250	1450	17.2	100	250	1450	17.2	100	250	1450	17.2	100	250	1450	17.2	100	250	1450	17.2	100
1.5	40	150	1450	10.3	100	150	1450	10.3	100	200	1450	13.8	100	150	1450	10.3	100	150	1450	10.3	100
2	50	150	1450	10.3	100	150	1450	10.3	100	185	1450	12.7	100	150	1450	10.3	100	150	1450	10.3	100
3	80	150	1350	10.3	93.1	150	1350	10.3	93.1	150	1350	10.3	93.1	150	1350	10.3	93.1	150	1350	10.3	93.1
4	100	120	1150	8.3	79.3	130	1150	9	79.3	130	1150	9	79.3	130	1150	9	79.3	80	1150	5.5	79.3
6	150	90	1040	6.2	71.7	100	1040	6.9	71.7	150	1040	10.3	71.7	100	1040	6.9	71.7	70	1040	4.8	71.7
8	200	75	960	5.2	66.2	90	960	6.2	66.2	130	960	9	66.2	90	960	6.2	66.2	60	960	4.1	66.2
10	250	60	840	4.1	57.9	85	840	5.9	57.9	125	720	8.6	57.9	90	840	6.2	57.9	-	-	-	-
12	300	85	720	5.9	49.6	85	720	5.9	49.6	125	720	8.6	49.6	90	720	6.2	49.6	-	-	-	-



Type XB™

Rupture Disks for High Pressure

The XB rupture disk (also referred to as “Scored B” or “SCD B”) is a non-fragmenting, high pressure rupture disk that opens along score lines. The XB offers a broader range of burst pressures and sizes.

Burst Tolerance

Marked Burst Pressure	Burst Tolerance
≤ 40 psig (2.76barg)	± 2 psig (0.138barg)
> 40 psig (2.76 barg)	± 5%

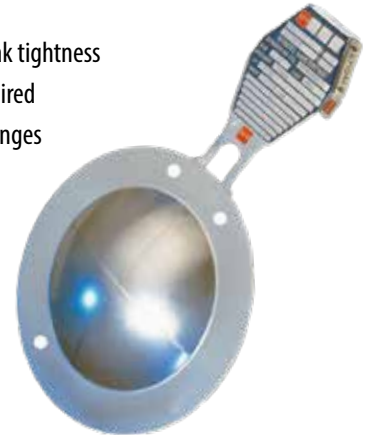
Manufacturing Design Range (MDR)

The XB is available with either -5% or -10% MDR. Consult BS&B for manufacturing design ranges less than -5%.

Material	Maximum Recommended Temperature	
	750°F	399°C
Nickel alloy 200	750°F	399°C
Monel® alloy 400	900°F	482°C
Inconel® alloy 600	1100°F	593°C
Stainless steel 316	900°F	482°C
Hastelloy® (alloy C-276 or C-22)	900°F	482°C
Aluminum	250°F	121°C
Tantalum	500°F	260°C

Features

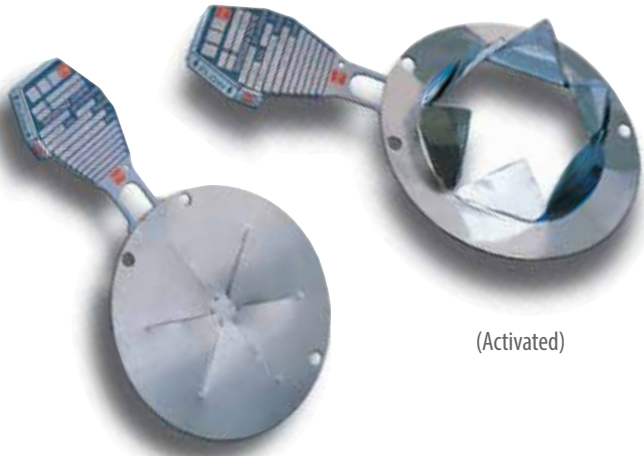
- Sizes 1 through 24 inches (25 through 600 mm)
- Six standard materials; wide range of corrosion resistance
- ‘X’ shaped score pattern; designed for non-fragmentation, excellent for relief valve isolation
- Smooth surface on inlet side; resistant to product accumulation
- Designed for gas or liquid service
- High flow capacity / low flow resistance: certified Krgl of 0.4 and high flow area in all sizes
- Fail safe: design safety ratio < 1 means a damaged XB disk will burst at or below its rated burst pressure
- 1 piece solid metal construction; excellent leak tightness
- Vacuum resistant; no additional support required
- 3-D tag; always visible with standard pipe flanges to verify disk description and confirm correct installation direction
- Available “CE” marked or “UD” stamped
- For use in pretorqued BS&B safety heads type NFI-7RS and NF-7RS or preassembled safety head types NX-7R and NF-7R



XB Disk Specifications Minimum / Maximum Pressure Ratings at 72°F (22°C)

Disk Size		Nickel alloy 200				Monel® Alloy 400				Inconel® Alloy 600				Hastelloy® Alloy C 276 and 316ss				Aluminum			
in	mm	psig		barg		psig		barg		psig		barg		psig		barg		psig		barg	
		Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
1	25	250	4000	17	276	250	4000	17	276	250	6000	17	414	300	6000	21	414	125	1000	9	69
1.5	40	200	2600	14	179	200	2600	14	179	200	4000	14	276	250	4000	17	276	100	750	7	52
2	50	175	2300	12	159	175	2300	12	159	175	3500	12	241	225	3500	16	241	85	500	6	35
3	80	150	2000	10	138	150	2000	10	138	150	3000	10	207	175	3000	12	207	75	300	5	21
4	100	135	1750	9	121	135	1750	9	121	135	2500	9	172	150	2500	10	172	70	250	5	17
6	150	125	1250	9	86	125	1250	9	86	125	2000	9	138	-	-	-	-	60	200	4	14
8	200	110	1100	8	76	110	1100	8	76	110	1750	8	121	-	-	-	-	-	-	-	-
10	250	100	1000	7	69	100	1000	7	69	100	1500	7	103	-	-	-	-	-	-	-	-
12	300	90	850	6	59	90	850	6	59	90	1250	6	86	-	-	-	-	-	-	-	-
14	350	80	650	6	45	-	-	-	-	80	1000	6	69	-	-	-	-	-	-	-	-
16	400	75	525	5	36	-	-	-	-	75	800	5	55	-	-	-	-	-	-	-	-
18	450	70	400	5	28	-	-	-	-	70	600	5	41	-	-	-	-	-	-	-	-
20	500	65	350	5	24	-	-	-	-	65	500	5	35	-	-	-	-	-	-	-	-
24	600	60	175	4	12	-	-	-	-	60	250	4	17	-	-	-	-	-	-	-	-

Optional liner: A fluoro-carbon film liner is available as an option on the process side of the XT disk. Fluoropolymer film application range -40°F to 500°F (-40°C to 260°C).



(Activated)

LCN™ Low Pressure Rupture Disk

The type LCN flat rupture disk uses composite technology to achieve low burst ratings from resistant materials that shall be selected to suit application service conditions.

Features

- Flat composite metal construction
- Fluorocarbon film seal
- Can withstand full vacuum
- Operates up to 80% of the minimum burst pressure
- Suitable for gas and liquid applications
- Damage safety ratio < 1
- Standard materials of construction 316ss / fluorocarbon film / 316ss
- Consult BS&B for other materials
- For use in pretorqued BS&B safety heads type NX-7R and NXV-7R for vacuum

Burst Tolerance

Marked Burst Pressure	Burst Tolerance
< 7 psig (0.48 barg)	±1 psig (0.069 barg)
< 15 psig (1.03 barg)	±1.5 psig (0.1 barg)
15 < 40 psig (2.76 barg) > 40 psig (2.76 barg)	±2 psig (0.138 barg) ± 5%

Manufacturing Design Range (MDR)

Marked Burst Pressure	MDR
≥ 40 psig (2.76 barg)	-5% or -10%
> 15 psig (1.03 barg) and 140 psig (2.76 barg)	-10%
≤ 15 psig (2.03 barg)	0%**

Vacuum and Back Pressure Resistance

All burst pressures at or above 45 psig (3.1 barg) allow the LCN disk to resist full vacuum. At lower burst pressures the LCN disk will resist partial vacuum up to the equivalent of 35% of the marked burst pressure. Greater vacuum resistance can be provided by the NXV-7R™ safety head which has an integral vacuum support.

For back pressure resistance exceeding 15 psi (1.03 bar) the NXV-7R safety head shall be used. Consult BS&B for maximum back pressure resistance. The NXV-7R safety head with integral vacuum support will reduce the free flow area by up to 40%.

Recommended Temperature Limits		
Minimum	-40°F	-40°C
Maximum	400°F	204°C

LCN Specifications: Minimum / Maximum Disk Burst Pressures at 72°F (22°C)

Disk Size		316ss / Fluorocarbon Film / 316ss			
in	mm	psig		barg	
		Min	Max	Min	Max
1	25	14	188	1	13
1.5	40	12	135	0.8	9
2	50	7	113	0.5	8
3	80	5	90	0.4	6
4	100	5	75	0.4	5
6	150	3	60	0.2	4
8	200	3	53	0.2	4
10	250	3	45	0.2	3
12	300	3	41	0.2	3
14	350	3	35	0.2	2
16	400	3	33	0.2	2
18	450	3	33	0.2	2
20	500	3	32	0.2	2
24	600	3	30	0.2	2

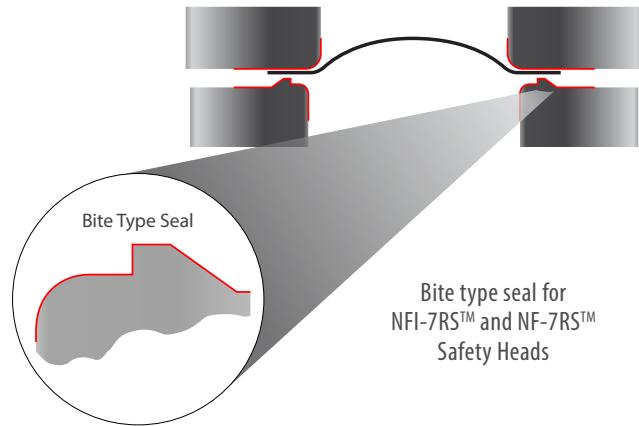
The requested burst pressure is the marked burst pressure



SAFETY HEADS FOR SCORED FORWARD ACTING RUPTURE DISKS

Pretorqued safety head technology provides superior performance for demanding applications. The features of all pretorqued safety heads that drive this user preference are:

- Enhanced leak tightness; pretorqued cap-screws energize the seal between the rupture disk and safety head, minimizing reliance on companion flange stud torque to ensure proper sealing
- Simple modular installation of pressure relief device; designed to be assembled in a controlled workshop environment with the rupture disk and safety head assembly then brought to the point of installation as a modular unit. (Both ASME and EN Standards define the combination of a rupture disk and safety head as the pressure relief device.)
- Inspection capability; while the rupture disk and safety head remain combined, the device may be removed from service for inspection and reinstalled provided the pretorqued cap-screws remain in position



Features of Pretorqued Safety Heads

Types NFI-7RS™ and NF-7RS™

- Pretorqued cap screws or bolts to energize the seal between the rupture disk and safety head, independent of companion flange bolt torque
- Three asymmetric locating pins center the rupture disk within the safety head, which ensures correct direction of disk installation and optimizes flow
- Rupture disk dome fully protected within safety head inlet to avoid damage when installed into piping system
- Proprietary 'bite seal' to optimize sealing between rupture disk and safety head process side. Standard for nominal size 2 inch (50 mm) and larger standard in all sizes of SRI-7RS safety heads
- Spiral finish on inlet and outlet enhances disk gasket interface seal performance*

**ASME / ANSI B165 gasket sealing surface is standard*

- J-bolt providing constant visual confirmation of correct dimension of installation
- Available in sizes 1-8 inches (25-200mm)

NF-7R, NX-7R™, and NXV-7R Pre-Assembled Safety Heads

The NF-7R™, NX-7R™, and NXV-7R Safety Head design incorporates several features which allow easy installation. The NF-7R and NX-7R Safety Heads fits inside the studs of two companion flanges. Asymmetric alignment pins in the Safety Head mate with location holes in the rupture disk to ensure centering and orientation of the disk. The flat seat design, in combination with a metal-to-metal "bite-type" seal, provides a leak-tight system. The NF-7R and NX-7R Safety Heads are easily pre-assembled with side lugs (see photograph below).



NFI-7RS™

Pretorqued Safety Heads

Features

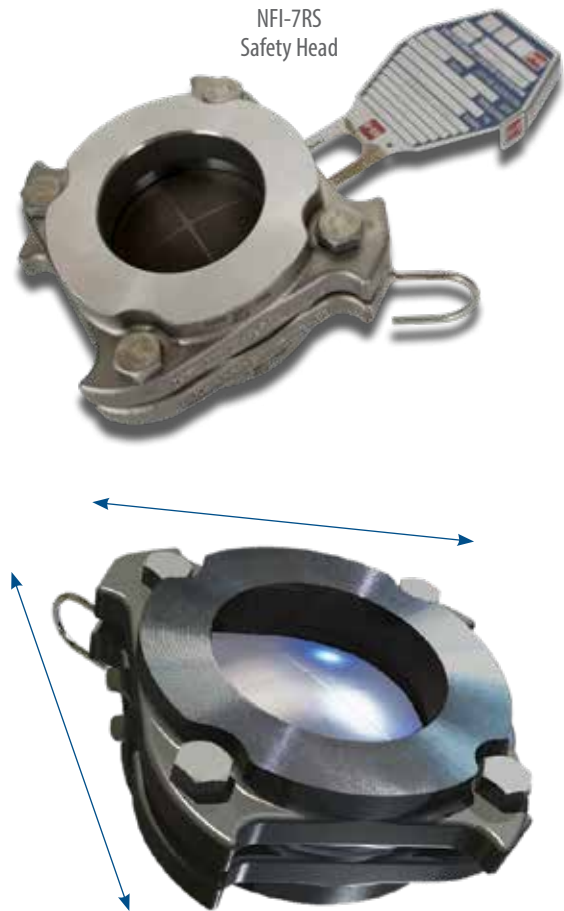
- Bite seal in all sizes; proprietary feature which enhances leak tightness
- Light weight; manufactured from a casting, the NFI-7RS takes advantage of advanced metal flow modeling to achieve its light construction and rigid strength
- Self centering; the unique perimeter shape of the NFI-7RS is self centering between ASME / ANSI B16.5, EN, and JIS specification companion flanges, optimizing flow
- Hexagon head pretorque capscrews; supplied with the NFI-7RS safety head, high tensile stainless steel capscrews allow installation using standard workshop tools
- Accessible capscrews; visible after installation of the NFI-7RS safety head between companion flanges, the user can conveniently inspect for proper installation
- Multiple flange rating; each nominal size NFI-7RS safety head can be installed between ASME/ANSI B16.5, EN, JIS (except 3" / 80mm and 4" / 100mm JIS10) companion flanges. A single safety head held in inventory per nominal size will support multiple applications
- Available in sizes 1-8 inches (25-200mm)

Note: The NFI-7RS safety head is US & International Patent Pending.

Materials Available

- Aluminum
- Carbon steel
- 316ss
- Inconel®
- Monel®
- Hastelloy C®

Consult factory for availability of other materials



NFI-7RS Safety Head Specifications

Size		Safety Head Flange Rating			Safety Head Flange Thickness	
in	mm	ASME / ANSI	EN	JIS	in	mm
1	25	150/300/600	10/16/25/40	10/16/20/30/40	1.5	38
1.5	40	150/300/600	10/16/25/40	10/16/20/30/40	1.7	43
2	50	150/300/600	10/16/25/40	10/16/20/30/40	1.9	48
3	80	150/300/600	10/16/25/40	16/20/30/40	2.2	55
4	100	150/300	10/16/25/40	16/20/30/40	2.9	73
6	150	150/300	10/16/25/40	10/16/20/30	3.6	92
8	200	150/300	10/16/25/40	16/20/30	3.8	95



NF-7RS™

Pretorqued Safety Heads

Features

- Insert type safety heads that fit inside the bolt circle of companion flanges
- Pretorqued design, cap screws energize the seal between the rupture disk and safety head, independent of companion flange bolt arrangement
- Positive locating pins center the disk correctly in the safety heads, thus eliminating disk slippage and possible incorrect installation
- Bite seal sizes 2" (50mm) and larger
- For extra protection, a J-bolt is standard on the safety head inlets. The safety heads can only fit between the companion flanges in the one direction that allows the J-bolt to mate with the drilled hole in the companion flange inlet. Correct flow direction is thus assured
- Disk dome protected by safety head outlet
- Available in sizes 1-40 inches (25-1000mm)

Materials Available

- Aluminum
- Inconel®
- Carbon steel
- Monel®
- 316ss
- Hastelloy C®

Consult factory for availability of other materials

Note: Hastelloy® is a trademark of Haynes International Inc. Monel® and Inconel® are registered trademarks of Special Metals Corporation and its subsidiaries.



NF-7RS Safety Head

NF-7RS™ Safety Head Dimensions

Nominal Size		Safety Head Flange Rating			Overall Height		Shape
in	mm	ANSI	DIN	JIS	in	mm	
1	25	150	-	-	1.5	38	square
		300/600	10/16/25/40	10/16/20/30/40	1.5	38	square
1.5	40	150	-	10/16/20	1.7	43	square
		300/600	10/16/25/40	30/40	1.7	43	square
2	50	150/300/600	10/16/25/40	10/16/20/30/40	1.9	48	square
3	80	150/300/600	10/16/25/40	10/16/20/40	2.2	55	square
		-	-	10	2.2	55	square
4	100	150/300	10/16/25/40	16/20/30/40	2.9	73	square
		-	-	10	2.9	73	square
		600	-	-	2.6	65	round
6	150	150/300	10/16/25/40	10/30/40	3.6	92	round
		600	-	-	4.5	114	round
8	200	150/300	-	-	3.8	97	round
10	250	150/300	-	-	4.3	110	round
12	300	150	-	-	4.8	121	round
		300	-	-	5.3	133	round
14	350	150	-	-	5.3	133	round
		300	-	-	5.9	149	round
16	400	150	-	-	6.4	162	round
		300	-	-	7.1	181	round
18	450	150	-	-	7.4	187	round
		300	-	-	7.9	200	round
20	500	150	-	-	8.4	241	round
		300	-	-	8.6	219	round
24	600	150	-	-	10.3	260	round
		300	-	-	10.8	273	round

NF-7R™

Pre-Assembly Safety Head



Features

- Insert type safety head that fits inside the bolt circle of companion flanges
- Locating pins ensure centering and orientation of disk within the safety head
- Metal-to-metal “bite-type” seal (sizes 2”/50mm and larger)
- Standard materials 316ss and carbon steel -consult BS&B for other materials
- Disk dome protected by safety head outlet
- For extra protection, a J-bolt is standard providing physical and visual confirmation and correct installation direction

NF-7R™ Safety Head Dimensions

Nominal Size		Safety Head Flange Rating			Overall Height		Outside Dimensions		Shape
in	mm	ANSI	DIN	JIS	in	mm	in	mm	
1	25	150	6	-	1.5	38	2.5	64	round
		300/600	10/16/25/40	10/16/20	1.5	38	2.8	70	round
1.5	40	150	-	-	1.5	38	3.3	83	round
		300/600	10/16/25/40	-	1.5	38	3.6	92	round
2	50	150	-	-	1.5	38	4.0	102	round
		300/600	-	30/40	1.5	38	4.3	108	round
3	80	150	-	-	1.8	44	5.3	133	round
		300/600	63	30/40	1.6	40	5.8	146	round
4	100	150	63	-	2.3	57	6.8	171	round
		300	-	40	2.3	57	7.0	178	round
		600	-	63	2.9	73	7.5	191	round
		-	63	30	2.9	73	6.7	170	round
6	150	150	-	-	2.8	71	8.6	219	round
		300	-	-	2.8	71	9.8	248	round
		600	-	-	3.1	78	10.4	264	round
8	200	150	-	-	3.2	81	10.9	276	round
		300	-	-	3.2	81	12.0	305	round
10	250	150	-	-	4.3	110	13.2	337	round
		300	-	-	4.3	110	14.1	359	round
12	300	150	-	-	4.5	114	16.0	406	round
		300	-	-	4.5	114	16.5	419	round
14	350	300	-	63	5.6	146	19.0	483	round
16	400	-	25	30	5.6	142	20.1	511	round
18	450	150	-	16/20	7.5	191	21.5	546	round
		300	-	-	7.5	191	23.4	594	round
20	500	150	-	-	6.3	159	23.8	603	round
24	600	150	-	-	7.0	178	28.1	714	round
		300	-	-	7.0	197	30.4	772	round



NX-7R™ and NXV-7R™

Pre-Assembly Safety Head

Features

- Insert type safety head that fits inside the bolt circle of companion flanges
- Positive locating pins ensure centering and orientation of disk in the safety head
- Metal-to-metal “bite-type” size 2” (50 mm) and larger
- The inlet and outlet of the NX-7R safety head and rupture disk are held together by side lugs
- Standard material 316ss
- Consult BS&B for other materials
- Optional dial type vacuum support for full vacuum resistance for LCN disks with burst pressure below 45 psig (3.1 barg) - type NXV-7R. Free flow area will be reduced by 40%. Consult BS&B for specific value
- Disk dome protection sizes 1” to 3” (25 mm to 80 mm) only

NX-7R™, NXV-7R™ Dimensions

Nominal Size		Safety Head Flange Rating				Overall Height	
in	mm	ANSI / BS 1560	BS 4504 / DIN	JIS	BS 10	in	mm
1	25	150				1.38	35
		300/600	10/16/25/40	10/16/20/30	F	1.38	35
1.5	40	150				1.38	35
		300/600	10/16/25/40			1.38	35
2	50	150				1.38	35
		300/600	10/16/25/40			1.38	35
3	80	150		10		1.38	35
		300	10/16/25/40		F	1.38	35
					D-E	1.38	35
4	100	150				1.38	35
			25/40	30	F	1.38	35
		300				1.38	35
				10		1.38	35
			10/16	16/20	D-E	1.38	35
6	150	150				1.38	35
		300	63	30		1.38	35
			25/40			1.38	35
8	200	150	10/16		D-E	1.62	41
		300				1.62	41
			25			1.62	41
			40			1.62	41
					F	1.62	41
10	250	150			D-E	2.4	60
		300		30		1.81	46
			10/16	10		1.81	46
			25			2.2	55
			40	16/20	F	2.4	60
				40		1.81	46



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