



IHARA SCIENCE

Innovative and Customizable Piping Solutions



BK Integrated Thread Series Weld-less Header Solutions

Available in Stainless Steel and
Carbon Steel



Applications:

Coolant for machine tools

Ihara's BK Series Can Provide:

- ☑ Cost down savings
- ☑ Eliminate the number of fittings
- ☑ No leaking
- ☑ No distortion
- ☑ Lighter
- ☑ Free branch angle?
- ☑ Minimal branch pitch

Benefits

Before BK Series:

- Branch leakage
- Flow resistance
- Time consuming
- Welder required
- Direction adjustment difficult



Now with BK Series!

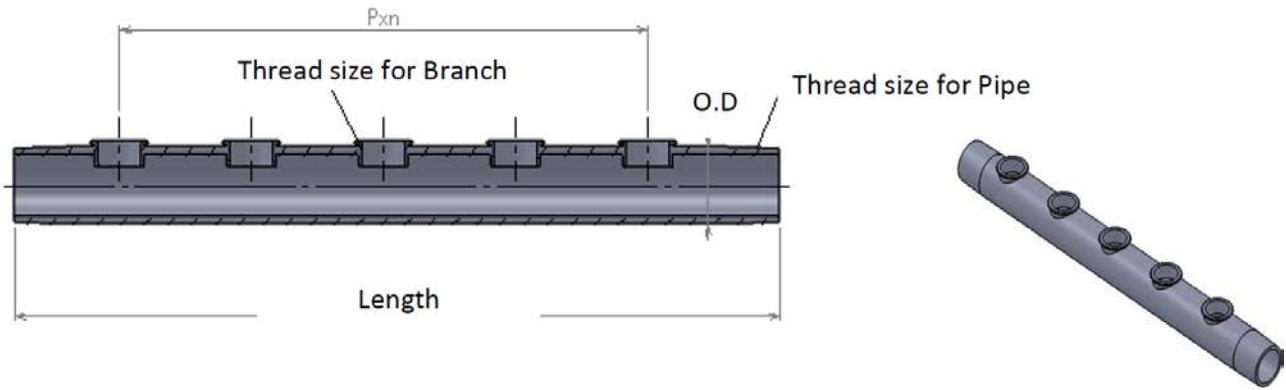
- No branch leakage
- Smooth flow
- Saves time
- No welding
- Branch pitch built in



Total Cost Comparison

Usual (Pipe 1B x 6 ft + 10 Holes/Bosses + Welding)			Ihara's Development	
			In the past	Now
Pipe	@\$2.50/ft x 6 feet	\$15.00	\$15.00	\$15.00
Bosses	@\$0.24 x 10 pcs	\$2.40	\$1.92 (20% down)	
Drilling	@\$0.13 x 10 pcs	\$1.30	\$1.30	\$12.00 (with Thread)
Welding	@\$0.80/min x 50 min	\$40.00	\$40.00	
Total Cost		\$58.70	\$58.22	\$27.00
Customer Benefit			\$0.48 0.8%	\$31.70 54.0%

Part Selection and Standard Sizes



BK	25A	1000	-	N03	x	5	x	50	-	N	-	CS
Type	Pipe size	Length		Branch Size	Number of branch/Pitch			Pipe edge connection		Material		
				N01: NPT1/8 N02: NPT1/4 N03: NPT3/8 N04: NPT1/2 N06: NPT3/4 N08: NPT 1 G01: G1/8 G02: G1/4 G03: G3/8 G04: G1/2 G06: G3/4 G08: G1	n: Number of Branch p: Pitch ※Refer to sheet below for Dimension of Branch			Blank: None N: NPT ※Equal size with Pipe RC: With cap B: Closing plate welding		CS: Carbon Steel SS: Stainless Steel		
* Possible to design various type not only straight type. Please contact us for more details.												

Standard Sizes

Branch Size		NPT1/8	NPT1/4	NPT3/8	NPT1/2	MPT3/4	NPT1
Minimum Pitch		3/4"	1"	1-1/4"	1-1/2"	2"	
Mother pipe Size		Range of producing Branch Size					
3/8B	10A	○	×	×	×	×	×
1/2B	15A	○	○	×	×	×	×
3/4B	20A	○	○	○	×	×	×
1B	25A	○	○	○	○	×	×
1-1/4B	32A	○	○	○	○	○	×
1-1/2B	40A	○	○	○	○	○	○
2B	50A	○	○	○	○	○	○

Note: 1) Please contact us for the large size more than 50A.

About Ihara



- Date established: May 1, 1941
- Number of employees: 500
- Headquarters: Tokyo, Japan
- Overseas Offices: USA, China, Korea, Taiwan
- License Production Plants: USA
- Listed: JASDAQ: 5999 (Since 1963.6)

Plant Locations

Clean Pipe (CP) Plant Yamagata, Japan

General Pipe (GP) Plant Gifu, Japan

Ihara Piping Engineering Center (IPEC) Gifu, Japan

Clean Pipe (CP) Plant Shizuoka, Japan

IHARA SCIENCE
Headquarters Tokyo, Japan

Sales Locations (outside of Japan)

ASIA

S. Korea

China

Taiwan

NORTH AMERICA

USA

Pacific Ocean

Ihara Science USA Corporation
1915 Peters Road, Suite 103
Irving, Texas 75061 USA

www.IharaScience.com
469-586-4671

The content of this catalog are subject to change without prior notice due to product improvement, etc.