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Company Outline

BENKAN Corporation	
5-1, Rokusengoku-Cho, Ota-City, Gunma,	379-2305,JAPAN
JPY 100 million	
JPY 16,100 million (2014)	
366 (World Wide 1,079)	
	5-1, Rokusengoku-Cho, Ota-City, Gunma, JPY 100 million JPY 16,100 million (2014)

Website: http://www.benkan.com/en/

Mechanical Joint(MJ) Division

Welding Fitting(WF) Division

			· ·
Over Seas	Sales Section	Over Seas	Sales Section
Location:	2-5-13, Sanno, Ota-Ku, Tokyo, 💡	Location:	3-1-18, Nishinagasu-cho, Amagasaki-city,
	143-8567, JAPAN		Hyogo, 660-0805, JAPAN
Phone:	(81)-3-3777-1541	Phone:	(81)-6-6482-1856
Fax:	(81)-3-3777-1567	Fax:	(81)-6-6482-1824

Place of Business







Thai Benkan Co.,Ltd.





OSAKA FACTORY OSAKA OFFICE



KIRYU FACTORY MJ FACTORY HEAD OFFICE

TOKYO OFFICE

KIRYU FACTORY MJ FACTORY

Thai Benkan Co.,Ltd.

BENKAN VIETNAM

OSAKA FACTORY

Butt-Welding Fittings

Butt-welding fittings are fundamental to piping, and Fundamental to BENKAN Corporation as well. These foundational components Support various infrastructures behind the scene, having an ever important role in the past, present, and coming century. We at BENKAN Corporation, with many years of experience and expertise, utilize original cutting-edge manufacturing technologies to our advantage in providing quality products that support the basic needs of life.



Our Products

Butt-Welding Fittings

Carbon steel Butt-welding Fittings Stainless Butt-Welding Fittings



Scraper Bar Tees



Alloy Steel Butt-Welding Fittings



Special Y-PIECE



Approval Certificate

KIRYU FACTORY







Piping Prefabrication Products



OSAKA FACTORY ISO 9001 PED 97/23/EC





Production Range

ТҮРЕ	SHAPE		Material	
11116	JIAL	Carbon Steel	Alloy Steel	Stainless Steel
	Seamless	1/2B-34B	1/2B-34B	1/2B-34B
	Seanness	100t max	100t max	100t max
	1-Seam			1/2B-14B
	I-Seam		_	20t max
Elbows	2-Seam	16B-80B	16B-80B	16B-80B
	2-Seam	90t max	90t max	90t max
	Seamless	1/2B-24B	1/2B-24B	1/2B-24B
	Seanness	130t max *	130t max	130t max
	1-Seam	16B-66B	16B-66B	16B-66B
Tara	1-Sealli	100t max	100t max	100t max
Tees	2-Seam	22B-66B	22B-66B	22B-66B
	2-Seam	100t max	100t max	100t max
	Seamless	3/4B-24B	3/4B-24B	3/4B-24B
	Seamless	80t max	80t max	80t max
	1-Seam	16B-80B	16B-80B	3/4B-80B
Reducers	I-Sedili	100t max	100t max	100t max
	Seamless	1/2B-80B	1/2B-80B	1/2B-80B
Caps	260111622	60t max	60t max	60t max

Product quality inspection

Hydrostatic Pressure Test





Dimensional Inspection





Various Mechanical Tests





Non Destructive Examination







KIRYU FACTORY



<LOCATION (KIRYU)> 5-1 ROKUSENGOKU-CHO OTA-SHI GUNMA TEL.0277-78-4112 FAX.0277-78-4118

<LOCATION (KIRYU BRANCH)> 2-651 AIOICHO KIRYU-SHI GUNMA TEL.0277-54-8146 FAX.0277-54-2013

PRODUCTS>

BUTT-WELDING FITTINGS(STEEL PIPE/STEEL PLATE) SOCKET THREADED FITTINGS (FORGING)

	ELBOW	TEE	REDUCER	САР	FORGING
SIZE					
8∕1B		_			
3∕8B			_		steel Teel Steel
1⁄2B					
3∕4B				eel el Steel	N S Y S
2				STEEL STEEL SS ST	CARBON STEEL ALLOY STEEL STAINLESS STEE
5B	EEL EL STEEL				CA STA
6B		STEEL STEEL S STEEL	STEEL FEEL STEEL	ALLOY STAINLE	
8 B				ALL	
10B	CARBON ALLOY STAINLE	CARBON ALLOY S STAINLESS	CARBON ALLOY S STAINLESS	0	
12B	ALL	ALL	CARBON ALLOY TAINLESS		
	U I	2 2	STA CA		
2					
24B					

<QUALIFICATION>

- 1. Authorized manufacturer for JIS mark indication JIS B2311, JIS B2312, JIS B2313, JIS B2309
- 2. Authorized by NIPPON KAIJI KYOKAI.
- 3. Authorized by ISO9001.
- 4 . Authorized by Bureau Veritas.
- 5 . Authorized by LRS
- 6. Authorized by ABS Pacific.









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BENKAN JAPAN KK Kiryu Fact u-shi, Gur

ATE OF ARRES







Lloyde



OSAKA FACTORY



<LOCATION > 3-1-18 NISHINAGASU-CHO AMAGASAKI-SHI HYOGO

TEL.06-6482-1351 FAX.06-6482-1357

PRODUCTS>

BUTT-WELDING FITTINGS(STEEL PIPE/STEEL PLATE)

	ELBOW	TEE	REDUCER	САР	CD ELBOW
SIZE					1
14B					
16B					
18B					AL
20B		AL			CARBON STEEL ALLOY STEEL STAINLESS STEEL NONFERROUS METAL
22B	٦ J	STEEL FEEL STEEL S MET,	- F	EL ETAI	STE STE
24B	STEEL TEEL STEEL S MET.	STEEL STEEL S STEE US ME	STEEL STEEL STEEL JS MET/	STEEL STEEL US MET/	N SN SN
26B	STEE STEEL S STE	DN ROL	STEI STEI JS N	N ST ST SUS	CARBON STEEL ALLOY STEEL STAINLESS STEE DNFERROUS ME
28B	CARBON STEEL ALLOY STEEL STAINLESS STEEL NONFERROUS METAL	CA STA			
30B	CARBON ALLOY TAINLES	CA STA	CARBON ALLOY TAINLESS NFERROL	ALL	Ź
34B	CA STA	Ž	CA STA	NOL S	
2	ž		ž		
66B					
2					
80B					

<QUALIFICATION>

- 1. Authorized manufacturer for JIS mark indication JIS B2311, JIS B2312, JIS B2313.
- 2. Authorized by NIPPON KAIJI KYOKAI.
- 3. Authorized by DET NORSKE VERITAS.
- 4 . Authorized by LRS
- 5. Authorized by ABS Pacific.
- 6 . Authorized by ISO9001.
- 7 . Authorized by Electricity Enterprises Act.
- 8 . Authorized by Gas Enterprises Act.
- 9. Authorized manufacturer of first class pressure containers.
- 10. Authorized manufacturer of boilers.
- 11 . Authorized by Bureau Veritas.







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REATE OF APPROV

01:2008, JIS Q 9001:200

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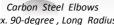
Our products are made of carbon steel, alloy steel, stainless steel, and non-ferrous alloys to meet a variety of needs.

Type of Fittings

Elbows

We have an extensive elbow lineup including 45,90 and 180 degree elbows as well as trimmed elbows and elbows with tangent.







Carbon Steel Elbows (ex. 90-degree , Long Radius) (ex. 90-degree , Short Radius) (ex. 45-degree , long Radius)



Carbon Steel Elbows



Stainless Steel Elbows

Tees

In addition to standard tees, we manufacture cross, header and other parts



(ex. Straight Tee)

Carbon Steel Tees (ex. Reducing Tee)



Stainless Tees & Crosses



Y Pieces

Reducers

We also manufacture reducers with tangent upon request. For information, contact us directly.



Carbon Steel Reducers (ex. Concentric)



Carbon Steel Reducers (ex. Eccentric)



Stainless Reducers

Non-ferrous Metal Product



Non-ferrous Metal Products





Carbon Caps



Stainless Caps



Production Range

TVDE	CLIADE		Material		
TYPE	SHAPE	Carbon Steel	Alloy Steel	Stainless Steel	
	Seamless	1/2B34B	1/2B34B	1/2B34B	
	Seamless	100t max	100t max	100t max	
	1-Seam			1/2B14B	
<u> </u>	1-36011			20t max	
Elbows	2-Seam	16B80B	16B80B	16B80B	
	2-Sedili	90t max	90t max	90t max	
	Seamless	1/2B24B	1/2B24B	1/2B24B	
	Seanness	130t max	130t max	100t max	
	1-Seam	16B66B	16B66B	16B66B	
	1-Sedili	100t max	100t max	90t max	
Tees	2-Seam	22B66B	22B66B	22B66B	
	2-36411	100 t max	100t max	100t max	
	Seamless	3/4B24B	3/4B24B	3/4B24B	
	Seamess	80t max	80t max	80t max	
Reducers	1-Seam	16B80B	16B80B	3/4B80B	
	1-36911	100 t max	100t max	100t max	
\bigcirc	Consultan	1/2B80B	1/2B80B	1/2B80B	
Caps	Seamless	60t max	60t max	60t max	

*In the table, the top figures show Outside Diameter, and the bottom figures indicate wall thickness(mm). *Please contact us for more specific details.









THAI BENKAN CO., LTD.

58 Soi Watkrunai Bangkru Suksawat 70 Prapadaeng Samutprakarn 10130

THAILAND

Tel : 662 463-6235-7 Fax : 662 463-8241

www.thaibenkan.co.th











Company Name THAI BENKAN CO .. LTD. **Brand Name** BENKAN Address 58, Soi Watkrunai, Bangkru, Suksawat 70, Prapadaeng, Samutprakarn, 10130, Thailand Capital Baht 165,094,500 Employees 395 Establish August 5th, 1987 Land : 25,185 sq. meters Building : 13,825 sq. meters Area **Major Equipment** Pipe cutting machine 8 Cap forming machine 1 Elbow bending machine 8 Heat treatment furnace 3 Elbow sizing machine 9 Shot blast 4 Bevelling machine 39 Reducer forming machine 3

Tee forming machine 2



Coating line 1

THAI BENKAN CO.,LTD

58 MOO 13 SOI WATKRUNAI, SUKSRWAT 70 RD. BANGKRU PHRAPRADAENG, SAMUTPRAKARN 10130, THAILAND TEL. 02-463-0074, 02-463-6235-7, 02-819-0410-3 FRX, 02-463-6238, 02-463-8241



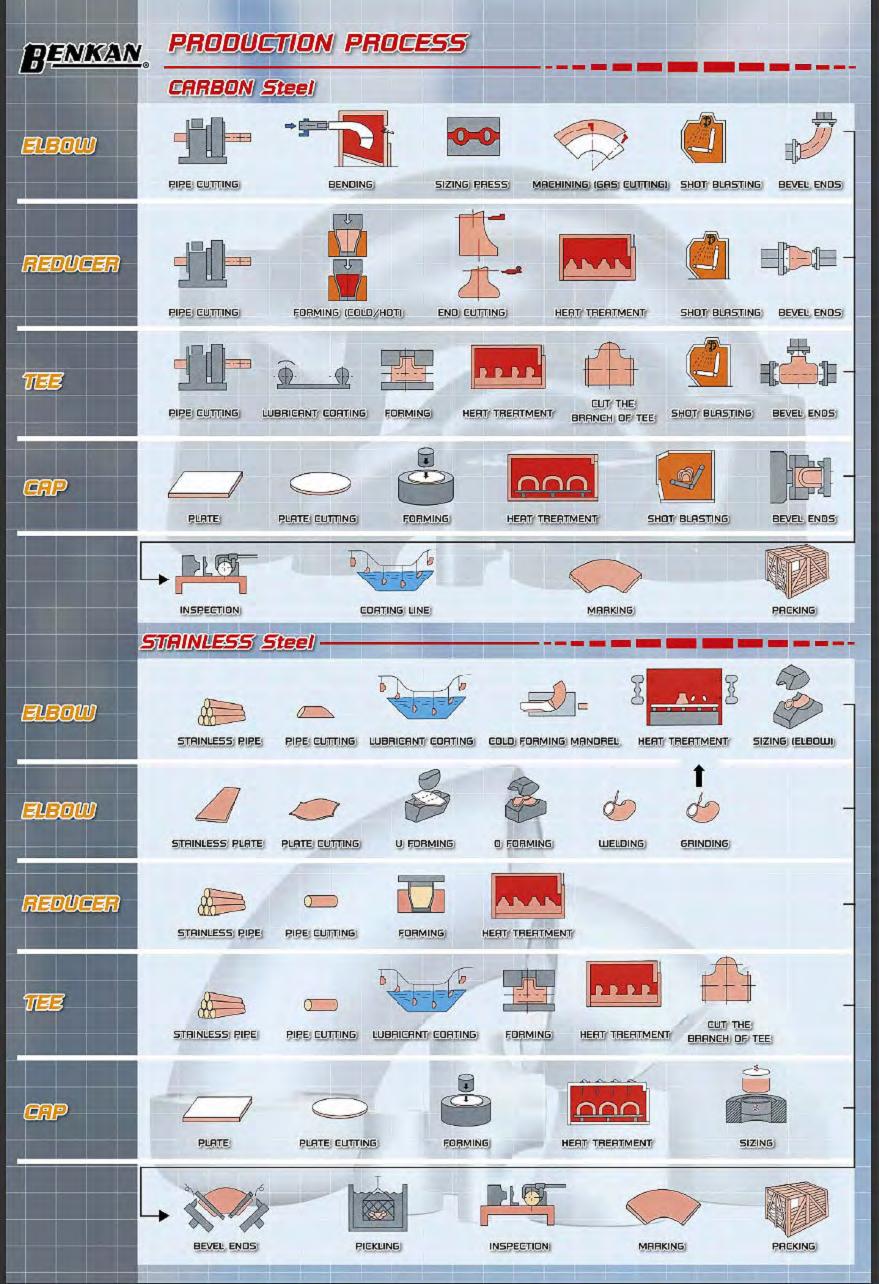
Production Range Chart

Carbon Steel	Tv	pe	Diameter	Wall Thickness	Remarks
(Seamless)		90.45	1/2" - 12"	STD - Sch160 / XXS	(XXS : 3/4" - 12")
	Elbow Long	180	1/2"- 8"	STD - Sch160	(Sch160 : 11/4"- 4")
a 234 WPB A 420 WPL6	-	90	1"- 12"	STD - Sch160 / XXS	
A 860 WPHY42	Elbow Short	180	1"- 8"	STD - Sch160	(Sch160 : 11/2" - 6")
860 WPHY52 860 WPHY60	Reducer	Concentric Eccentric	3/4''- 16''	STD - Sch160 / XXS	
	Tee		1/2"- 16"	STD - Sch80 / XS	(Sch160 : 1/2"- 8") (XXS : 11/2"- 8")
	Сар		1 1/4 "- 14"	STD - Sch120	(Sch120 : 4"- 14")
Stainless Steel	Ту	pe	Diameter	Wall Thickness	Remarks
eamless/Welded)			1/2" - 4"	Sch10S - Sch160 / XXS	(Sch160 / XXS 34" - 4")
	Elbow Long	90,45	5"- 16"	Sch10S - Sch80S	
a 403 WP304 / 304L			1"- 4"	Sch10S - Sch160 / XXS	
/P316 / 316L	Elbow Short	90	5"- 16"	Sch10S - Sch80S	
/P S31254	Reducer	Concentric Eccentric	3/4''- 16''	Sch10S - Sch160 / XXS	(Sch160 : 3/4" - 6") (XXS : 3/4" - 5")
	Tee		1/2''- 5''	Sch10S - Sch160 / XXS	(XXS : 11/2"- 4")
	100		6" - 16"	Sch10S - Sch40S	(Sch40S : 6"- 12")
	Сар		1 1/4"- 14"	Sch10S - Sch120	(Sch120 / 4"- 14")
Duplex	Ty	pe	Diameter	Wall Thickness	Remarks
ainless Steel amless/Welded)	Elbow Long	90.45	1/2" - 16"	Sch10S - Sch80S	(Sch80S / 1/2" - 4")
815 1803 12205	Elbow Short	90	1''- 2'' 4''- 16''	Sch10S - Sch80S	
32750	Reducer	Concentric Eccentric	3/4" - 16"	Sch10S - Sch80S	
32750 32760					
	lee		1/2" - 12"	Sch10S - Sch80S	(Sch40S : 1/2"- 10") (Sch80S : 1/2"- 6")
	lee Cap		1/2" - 12" 1 1/4" - 14"	Sch10S - Sch80S Sch10S - Sch120	
Alloy Steel	Сар	pe			(Sch80S : 1/2"- 6")
Alloy Steel	Cap Ty	pe 90,45	1 1/4"- 14"	Sch10S - Sch120	(Sch80S : 1/2"- 6") (Sch120 4"- 14")
Alloy Steel (Seamless)	Сар		1 1/4" - 14" Diameter	Sch10S - Sch120 Wall Thickness	(Sch80S : 1/2"- 6") (Sch120 4"- 14") Remarks
Alloy Steel (Seamless) 234	Cap Ty Elbow Long	90,45	1 1/4" - 14" Diameter 1/2" - 12"	Sch10S - Sch120 Wall Thickness STD - Sch160 / XXS	(Sch80S : 1/2"- 6") (Sch120 4"- 14") Remarks (XXS : 3/4"- 12")
Alloy Steel (Seamless) 234 21	Cap Ty	90,45 180	1 1/4" - 14" Diameter 1/2" - 12" 1/2" - 8"	Sch10S - Sch120 Wall Thickness STD - Sch160 / XXS STD - Sch160	(Sch80S : 1/2"- 6") (Sch120 4"- 14") Remarks (XXS : 3/4"- 12")
Alloy Steel (Seamless) 234 /P1 /P5 /P9	Cap Ty Elbow Long	90,45 180 90	1 1/4" - 14" Diameter 1/2" - 12" 1/2" - 8" 1" - 12"	Sch10S - Sch120 Wall Thickness STD - Sch160 / XXS STD - Sch160 STD - Sch160 / XXS	(Sch80S : 1/2" - 6") (Sch120 4" - 14") Remarks (XXS : 3/4" - 12") (Sch160 / 11/4" - 4")
Alloy Steel	Cap Ty Elbow Long Elbow Short	90,45 180 90 180 Concentric	1 1/4" - 14" Diameter 1/2" - 12" 1/2" - 8" 1" - 12" 1" - 8"	Sch10S - Sch120 Wall Thickness STD - Sch160 / XXS STD - Sch160 STD - Sch160 / XXS STD - Sch160 / XXS	(Sch80S : 1/2"- 6") (Sch120 4"- 14") Remarks (XXS : 3/4" - 12") (Sch160 / 11/4"- 4")



BENKAN.





	A234	Carbon &	alloy steel fittings		BENKAN
	A403	Stainless	steel fittings		
	A420		r low temparature service		
	A815		ainless fittings	<qualifications></qualifications>	
	A860	Fittings w	ith high tensile property	Quanneacions>	
SME	B16.9 / B16.11 / B16.2	5 For dimer	nsion	Name ;	Certified by;
				IS09001:2000	Lloyd's Register Quality Assurance Limited
ISS	SP25		ng procedure	Pressure Equipment Directive	Lloyd's Register Quality Assurance Limited
	SP75 SP43	Fittings w	ith high tensile property	(PED 97/23/EC)	the second second second second
	5145	1.00		JIS Mark Scheme, Certificate of	Japan Quality Assurance Organization (JQA)
IS	B2311 / B2312 / B2313	3		Compliance	
N	10204 3.1	For Incon	ction Certificate	Norsok M-650	Det Norske Veritas
N	10204 5.1	rui inspe	cuon cermicale		
				<approvals></approvals>	
	second of the	1		Name	Country
CT I				Name;	Country;
-		1 K	NED -	Shell Global Solotuins	Netherland
	Carbon	Steel	Stainless Steel	Exxon Mobil (Asia)	Singapore
ompan	y Standards & Alloy		& Duplex	Total	France
	a milloy	01001	or Duplox	Chevron	Indonesia
				Contraction of the second second	
0	Rust-pre	ventive	Desci de tradecat	Dow Chemical-Asia / Pacific	Holland
C	oating Rust-pre paint (I		Passivity treatment	Dow Chemical-Asia / Pacific CSA	Holland Canada
C	oating				
	oating	olack)	Electrolysis etching	CSA	Canada
	oating paint (l	olack)		CSA Syncrude	Canada Canada
N	oating paint (l	plack) Iping	Electrolysis etching Ink marking	CSA Syncrude Aramco Overseas Company	Canada Canada Japan
N	oating paint (I Narking Die stam	olack)	Electrolysis etching Ink marking	CSA Syncrude Aramco Overseas Company SABIC	Canada Canada Japan Saudi Arabia
N	oating paint (I Narking Die stam	olack) Iping Carton	Electrolysis etching Ink marking box	CSA Syncrude Aramco Overseas Company SABIC KOC	Canada Canada Japan Saudi Arabia Kuwait
N	oating paint (I Narking Die stam	plack) Iping	Electrolysis etching Ink marking box	CSA Syncrude Aramco Overseas Company SABIC KOC KNPC	Canada Canada Japan Saudi Arabia Kuwait Kuwait
N	oating paint (I Narking Die stam	olack) Iping Carton Wooden	Electrolysis etching Ink marking box r case	CSA Syncrude Aramco Overseas Company SABIC KOC KNPC	Canada Canada Japan Saudi Arabia Kuwait Kuwait
N	oating paint (I Narking Die stam	olack) Iping Carton	Electrolysis etching Ink marking box r case	CSA Syncrude Aramco Overseas Company SABIC KOC KNPC	Canada Canada Japan Saudi Arabia Kuwait Kuwait
N	oating paint (I Marking Die stam acking	olack) Iping Carton Wooden Wooden	Electrolysis etching Ink marking box case crate	CSA Syncrude Aramco Overseas Company SABIC KOC KNPC	Canada Canada Japan Saudi Arabia Kuwait Kuwait
N	oating paint (I Marking Die stam acking	olack) Iping Carton Wooden Wooden	Electrolysis etching Ink marking box r case	CSA Syncrude Aramco Overseas Company SABIC KOC KNPC	Canada Canada Japan Saudi Arabia Kuwait Kuwait
N	oating paint (I Marking Die stam acking	olack) Iping Carton Wooden Wooden	Electrolysis etching Ink marking box case crate	CSA Syncrude Aramco Overseas Company SABIC KOC KNPC	Canada Canada Japan Saudi Arabia Kuwait Kuwait
P	oating paint (I Marking Die stam acking	olack) nping Carton Wooden Wooden oden pallet	Electrolysis etching Ink marking box case crate & Shrink pack	CSA Syncrude Aramco Overseas Company SABIC KOC KNPC	Canada Canada Japan Saudi Arabia Kuwait Kuwait

Butt-Welding-Fittings-Weight-And-Volume-

in the second				1	NEIGHT (I	(g)							VOLUME	E (m3)		
Nominal Pipe Size	90°	Long	90° :	Short	Rei	lucer	Te	e	Ca	ap	Nominal	90°	90°			
ipu aizu	STD	XS	STD	XS	STD	XS	STD	XS	STD	XS	Pipe Size	Long	Short	Reducer	Tee	Ca
1/2	0.08	0.10		-			0.08	0.11	0.04	0.05	1/2		+			
3/4	0.10	0.13	-	+	0.06	0.07	0.12	0.16	0.05	0.07	3/4	4	- 50	14		
1	0.15	0.19	0.10	0.13	0.11	0.14	0.25	0.31	0.11	0.14	1		() ()	*	*	
1-1/4	0.26	0.34	0,17	0.23	0.15	0.20	0.42	0.55	0.14	0.19	1-1/4			4		
1-1/2	0.37	0.49	0.24	0.33	0.24	0.32	0.60	0.80	0.17	0.24	1-1/2		-	16	-	
2	0.65	0.89	0.43	0.60	0.37	0.51	0.87	1.19	0.23	0.33	2	0.001	0.001	1	0.001	
2.1/2	1.30	1.71	0.87	1.14	0.70	0.92	1.67	2.19	0.40	0.53	2-1/2	0.002	0.001	0.001	0.001	
3	2.03	2.73	1.35	1.82	0.91	1.23	2.41	3.24	0.66	0.91	3	0.003	0.002	0.001	0.002	
3-1/2	2.82	3.91	1.88	2.61	1.28	1.77	3.12	4.32	0.96	1.36	3-1/2	0.004	0.003	0.001	0.003	(
4	3.83	5.36	2.55	3.57	1.45	2.02	4.12	5.77	1.17	1.68	4	0.005	0.004	0.001	0.004	(
5	6.55	9.23	4.37	6.08	2.52	3.54	6.59	9.29	1.92	2.77	5	0.010	0.007	0.002	0.007	C
6	10.1	15.3	6.75	10.2	3.63	5.47	9.73	14.7	2.90	4.49	6	0.016	0.011	0.004	0.011	0
8	20.4	30.9	13.6	20.3	5.80	8.76	18.1	27.4	5.20	7.24	8	0.037	0.025	0.007	0.022	0
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Sec. Of Sec. and	Contraction of the local division of the loc		Pro Constantia	Procession of the second			1		10	0.070	0.046	0.013	0.040	(
10	36.2	48.8	24.1	32.49	9.76	13.1	30.9	41.7	9.18	12.5	12	0.118	0.079	0.021	0.067	(
12	52.8	69.9	35.2	46.6	13.9	18.3	44.2	58.5	13.3	17.8	14	0.164	0.109	0.042	0.091	(
14	67.9	89.9	45.2	59.9	25.6	33.9	53.5	70.9	15.9	21.2	16	0.245	0.163	0.059	0.126	0
16	89.0	118.0	59.3	78.6	31.0	41.1	66.1	87.7	20.0	26.7						

ung eigni * Figures of tees are on equal tees and figures of reducers are on one size reduction reducers.





