

ASTM A270 Tri-Clamp - Flange design according to ASME-BPE 2009



Int. finishing: $Ra \leq 0,4 \mu m$
Ext. finishing: $Ra \leq 0,8 \mu m$ Mirror Polished

Max Working Conditions:
12 bar (170 psi) and 150°C (300°F)

Installation:
Check correct flow direction during assembly. 5° upward installation recommended.

Size	Ø A	H	L max	Valve Material	O-Rings Material	Code
3/4"	25,00	80,00	80,00	1.4404	FPM/FKM	057Z60075V
					EPDM	057Z60075EP
					SILICONE FDA	057Z60075SIF
					SILICONE USP-121	057Z60075S121
				1.4435-BN2	FPM/FKM	057Z50075V
					EPDM	057Z50075EP
					SILICONE FDA	057Z50075SIF
					SILICONE USP-121	057Z50075S121
1"	50,40	80,00	80,00	1.4404	FPM/FKM	057Z60100V
					EPDM	057Z60100EP
					SILICONE FDA	057Z60100SIF
					SILICONE USP-121	057Z60100S121
				1.4435-BN2	FPM/FKM	057Z50100V
					EPDM	057Z50100EP
					SILICONE FDA	057Z50100SIF
					SILICONE USP-121	057Z50100S121
1.1/2"	50,40	80,00	80,00	1.4404	FPM/FKM	057Z60150V
					EPDM	057Z60150EP
					SILICONE FDA	057Z60150SIF
					SILICONE USP-121	057Z60150S121
				1.4435-BN2	FPM/FKM	057Z50150V
					EPDM	057Z50150EP
					SILICONE FDA	057Z50150SIF
					SILICONE USP-121	057Z50150S121

Part list

ASTM A270: Ø A 25	DIN / ISO: Ø A 34	ASTM A270 / DIN / ISO: Ø A 50	N°	Name	Material
			1	Body	AISI 316L
			2	O-Ring 3021	FPM/FKM or EPDM or SILICONE
			3	Piston	AISI 316L
			4	O-Ring 2037	FPM/FKM or EPDM or SILICONE
			5	Ring	AISI 316L
			6	Grub Screw M4	AISI 304
			7	Handle	PTFE + INOX

DIN 32676 - Tri-Clamp



Size	Ø A	H	L max	Valve Material	O-Rings Material	Code
DN 15	34,00	80,00	80,00	1.4404	FPM/FKM	057Z6D015V
					EPDM	057Z6D015EP
					SILICONE FDA	057Z6D015SIF
					SILICONE USP-121	057Z6D015S121
				1.4435-BN2	FPM/FKM	057Z5D015V
					EPDM	057Z5D015EP
					SILICONE FDA	057Z5D015SIF
					SILICONE USP-121	057Z5D015S121
DN 20	34,00	80,00	80,00	1.4404	FPM/FKM	057Z6D020V
					EPDM	057Z6D020EP
					SILICONE FDA	057Z6D020SIF
					SILICONE USP-121	057Z6D020S121
				1.4435-BN2	FPM/FKM	057Z5D020V
					EPDM	057Z5D020EP
					SILICONE FDA	057Z5D020SIF
					SILICONE USP-121	057Z5D020S121
DN 25	50,50	80,00	80,00	1.4404	FPM/FKM	057Z6D025V
					EPDM	057Z6D025EP
					SILICONE FDA	057Z6D025SIF
					SILICONE USP-121	057Z6D025S121
				1.4435-BN2	FPM/FKM	057Z5D025V
					EPDM	057Z5D025EP
					SILICONE FDA	057Z5D025SIF
					SILICONE USP-121	057Z5D025S121
DN 32	50,50	80,00	80,00	1.4404	FPM/FKM	057Z6D032V
					EPDM	057Z6D032EP
					SILICONE FDA	057Z6D032SIF
					SILICONE USP-121	057Z6D032S121
				1.4435-BN2	FPM/FKM	057Z5D032V
					EPDM	057Z5D032EP
					SILICONE FDA	057Z5D032SIF
					SILICONE USP-121	057Z5D032S121
DN 40	50,50	80,00	80,00	1.4404	FPM/FKM	057Z6D040V
					EPDM	057Z6D040EP
					SILICONE FDA	057Z6D040SIF
					SILICONE USP-121	057Z6D040S121
				1.4435-BN2	FPM/FKM	057Z5D040V
					EPDM	057Z5D040EP
					SILICONE FDA	057Z5D040SIF
					SILICONE USP-121	057Z5D040S121

Int. finishing: **Ra ≤ 0,4 µm**Ext. finishing: **Ra ≤ 0,8 µm Mirror Polished**

Max Working Conditions:

12 bar (170 psi) and 150°C (300°F)

Installation:

Check correct flow direction during assembly. 5° upward installation recommended.

ISO 1127 Tri-Clamp



Size	Ø A	H	L max	Valve Material	O-Rings Material	Code
DN 10	34,00	80,00	80,00	1.4404	FPM/FKM	057Z61010V
					EPDM	057Z61010EP
					SILICONE FDA	057Z61010SIF
					SILICONE USP-121	057Z61010S121
				1.4435-BN2	FPM/FKM	057Z51010V
					EPDM	057Z51010EP
					SILICONE FDA	057Z51010SIF
					SILICONE USP-121	057Z51010S121
DN 15	34,00	80,00	80,00	1.4404	FPM/FKM	057Z61015V
					EPDM	057Z61015EP
					SILICONE FDA	057Z61015SIF
					SILICONE USP-121	057Z61015S121
				1.4435-BN2	FPM/FKM	057Z51015V
					EPDM	057Z51015EP
					SILICONE FDA	057Z51015SIF
					SILICONE USP-121	057Z51015S121
DN 20	50,50	80,00	80,00	1.4404	FPM/FKM	057Z61020V
					EPDM	057Z61020EP
					SILICONE FDA	057Z61020SIF
					SILICONE USP-121	057Z61020S121
				1.4435-BN2	FPM/FKM	057Z51020V
					EPDM	057Z51020EP
					SILICONE FDA	057Z51020SIF
					SILICONE USP-121	057Z51020S121
DN 25	50,50	80,00	80,00	1.4404	FPM/FKM	057Z61025V
					EPDM	057Z61025EP
					SILICONE FDA	057Z61025SIF
					SILICONE USP-121	057Z61025S121
				1.4435-BN2	FPM/FKM	057Z51025V
					EPDM	057Z51025EP
					SILICONE FDA	057Z51025SIF
					SILICONE USP-121	057Z51025S121
DN 32	50,50	80,00	80,00	1.4404	FPM/FKM	057Z61032V
					EPDM	057Z61032EP
					SILICONE FDA	057Z61032SIF
					SILICONE USP-121	057Z61032S121
				1.4435-BN2	FPM/FKM	057Z51032V
					EPDM	057Z51032EP
					SILICONE FDA	057Z51032SIF
					SILICONE USP-121	057Z51032S121

Int. finishing: $Ra \leq 0,4 \mu m$ Ext. finishing: $Ra \leq 0,8 \mu m$ Mirror Polished

Max Working Conditions:

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Installation:

Check correct flow direction during assembly. 5° upward installation recommended.

N°	Description	Valve size	Code
2+4	O-Ring Kit 3021 / 2037 FPM/FKM - n° 10 + 10 pcs	all sizes	057X000024K1
2+4	O-Ring Kit 3021 / 2037 EPDM - n° 10 + 10 pcs	all sizes	057X000024K2
2+4	O-Ring Kit 3021 / 2037 SILICONE FDA - n° 10 + 10 pcs	all sizes	057X000024K3
2+4	O-Ring Kit 3021 / 2037 SILICONE USP 121° - n° 10 + 10 pcs	all sizes	057X000024K4
5	Ring - n° 1 pcs	all sizes	0576000005
6	Grub Screw M4 Kit - n° 10 pcs	all sizes	0574000006
7	Handle PTFE + INOX - n° 1 pcs	all sizes	0576000007PTF

Part list

ASTM A270: Ø A 25	DIN / ISO: Ø A 34	ASTM A270 / DIN / ISO: Ø A 50	N°	Name	Material
			1	Body	AISI 316L
			2	O-Ring 3021	FPM/FKM or EPDM or SILICONE
			3	Piston	AISI 316L
			4	O-Ring 2037	FPM/FKM or EPDM or SILICONE
			5	Ring	AISI 316L
			6	Grub Screw M4	AISI 304
			7	Handle	PTFE + INOX