

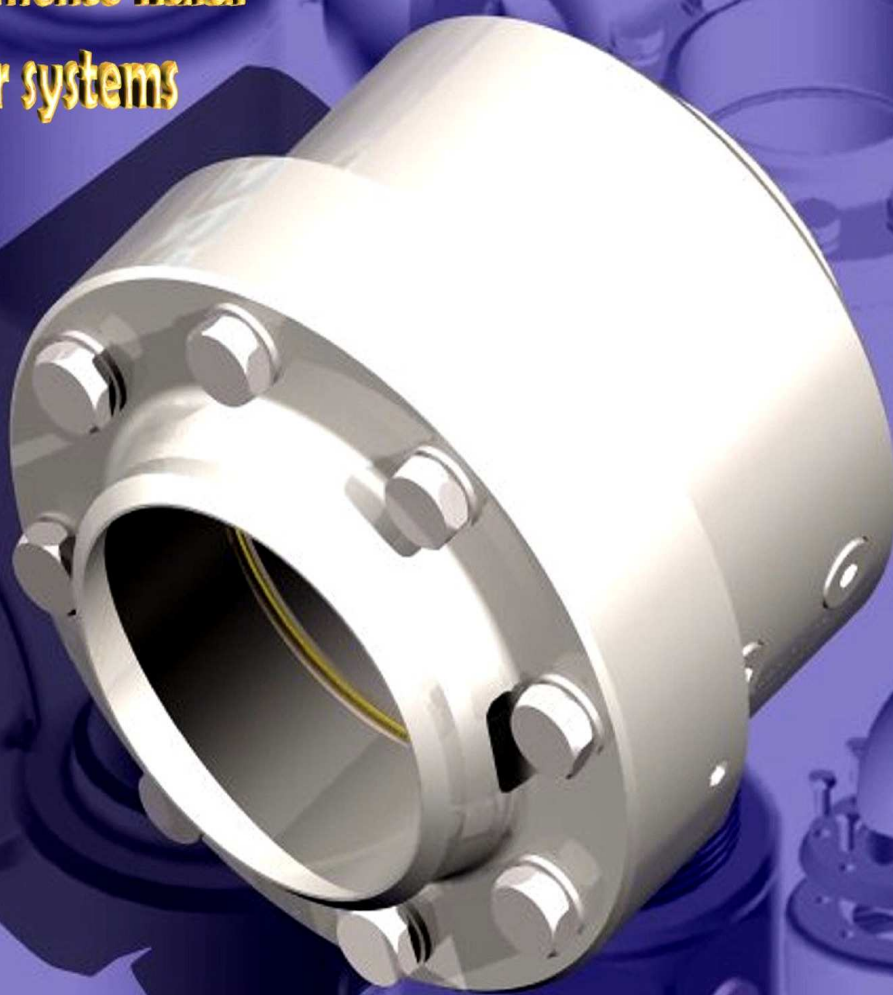


OFFICINE MECCANICHE

CAVOURRESI S.p.A.

Sistemi di trasferimento fluidi

Liquid transfer systems



Giunti a snodo
Swivel joints





CERTIFICATE OF APPROVAL

This is to certify that the Quality Management System of:

Officine Meccaniche Cavourresi S.p.A.
Via Saluzzo, 78
Cavour – Torino, Italy

has been approved by Lloyd's Register Quality Assurance
to the following Quality Management System Standards:

ISO 9001:2000
EN ISO 9001:2000
UNI EN ISO 9001:2000

The Quality Management System is applicable to:

**Design and production of fluid transfer systems
intended for petrochemical industry.**

Approval
Certificate No: LRC 110910

Original Approval: 28th September 2001

Current Certificate: 22nd October 2007

Certificate Expiry: 28th September 2010

Issued by: Lloyd's Register Quality Assurance Italy S.r.l.



001

This document is subject to the provision on the reverse
71 Fenchurch Street, London EC3M 4BS United Kingdom. Registration number 1879370
This approval is carried out in accordance with the LRQA assessment and certification procedures and monitored by LRQA.
The use of the UKAS Accreditation Mark indicates Accreditation in respect of those activities covered by the Accreditation Certificate Number 001
Mark Number 15

**Il nostro sistema di conduzione aziendale per la qualità secondo le
norme EN ISO 9001:2000, ampiamente testato negli anni tramite
continui aggiornamenti sia ai cicli di lavorazione, che ai controlli e
tests finali, e di conseguenza al Manuale di Assicurazione della
Qualità e delle relative Procedure, si fregia dal Settembre 2001
dell'approvazione da parte del
LLOYD'S REGISTER QUALITY ASSURANCE.**

*Our Quality Control System according to EN ISO 9001:2000, has
been widely tested in years with continuous updates, to the
production cycle, to the final checks and tests and in consequence to
the quality manual and procedures.*

*For this reason on September 2001 we have obtained the approval from
LLOYD'S REGISTER QUALITY ASSURANCE*



Giunti a snodo Swivel joints

OMC, offre una completa gamma di giunti a snodo, frutto di un'esperienza quarantennale nel campo della ricerca e dello sviluppo della tecnologia, capaci di soddisfare qualsiasi esigenza. Questa completa gamma, comprende snodi di diversi materiali sia nelle unità rotanti e interne, che nelle tenute, da scegliere a seconda del prodotto che si intende trasferire. La varietà di snodi OMC comprende gruppi rotanti capaci di sopportare alte e basse temperature, alte pressioni e carichi elevati, grazie alla cura con cui vengono fabbricati. Il punto di forza dei nostri snodi in acciaio al carbonio, è la presenza di due piste di rotolamento temperate e rettificate, che conferiscono agli stessi grande capacità di carico, affidabilità e lunga durata nel tempo. Inoltre OMC provvede a testare in fabbrica il proprio prodotto a una pressione pari al 150% rispetto a quella di progetto.

Gli snodi OMC sono sinonimo di affidabilità e lunga durata nel tempo. La produzione degli stessi viene effettuata in accordo alle procedure del nostro Sistema Qualità, approvato da LLOYD'S REGISTER QUALITY STANDARD, secondo quanto previsto dalle norme UNI EN ISO9001:2000.

OMC offers a complete range of swivel joints able to satisfy every type of necessity owing to his forty-year experience in the field of research and development of the technology. This complete range includes joints of different materials, concerning the unit, the inner parts and the seals, to be selected depending on the product to be handled. The variety of OMC swivels includes joints that can support high and low temperatures, high pressure and high loads, thanks to the care they are manufactured.

The main characteristic of our carbon steel joints is the double turn of balls on hardened and grinded raceways, that gives to the swivel high load capability, reliability and long life. Furthermore OMC tests its own product in its plant at pressures equal to the 150% of the design pressure. OMC swivel joints are synonym of reliability and long life. They are manufactured according to our Quality System, approved by LLOYD'S REGISTER QUALITY STANDARD, according to UNI EN ISO9001:2000 normative.

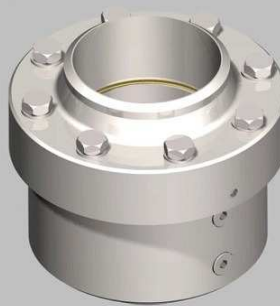
Giunti a snodo "serie standard" - "Standard series" swivel joint



Mod. 2174



Mod. 2175



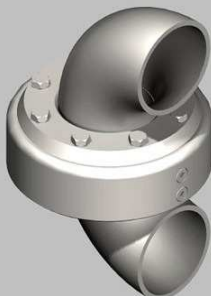
Mod. 2833



Mod. 2815



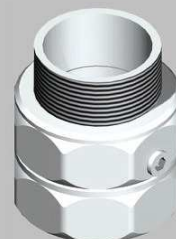
Mod. 3885



Mod. 3996



Mod. 2004

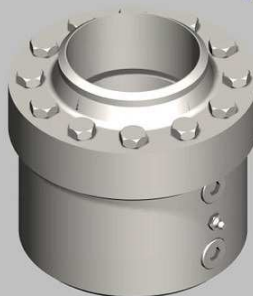


Mod. 3934

Giunti a snodo per carichi elevati - "Heavy-Duty series" swivel joint



Mod. 2174-HD



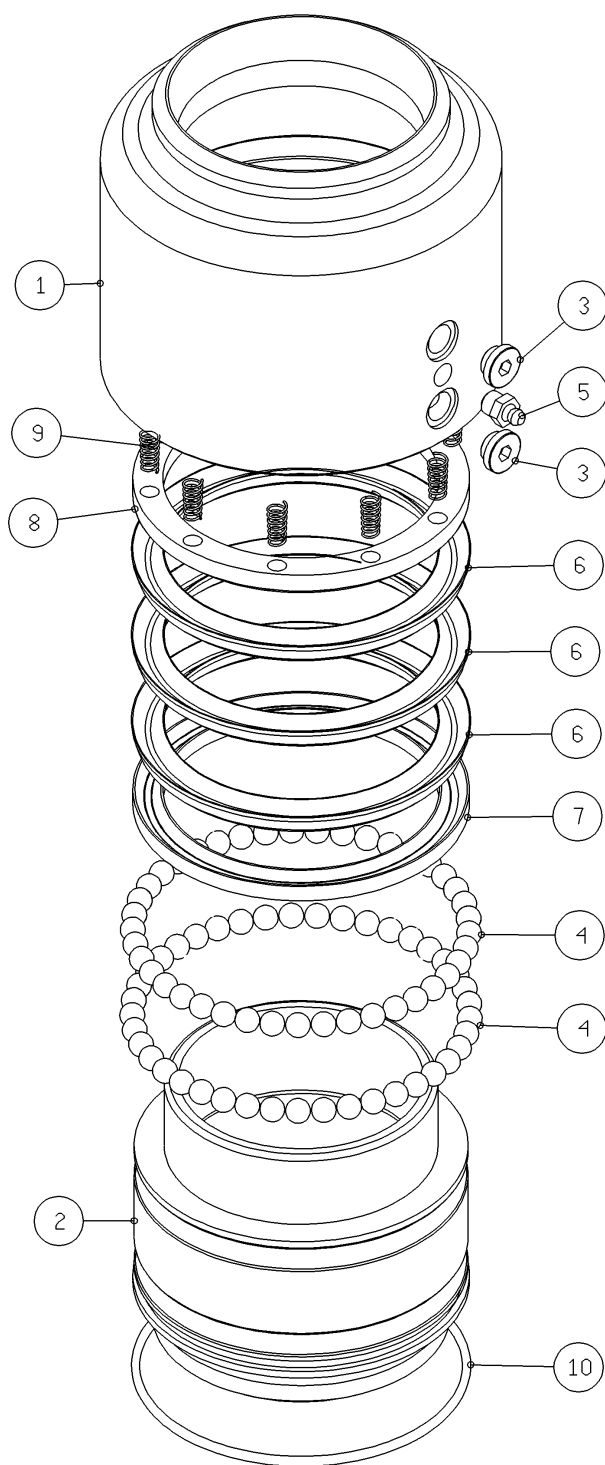
Mod. 2833-HD



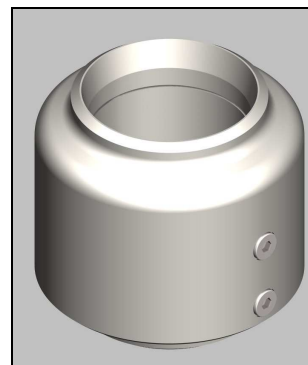
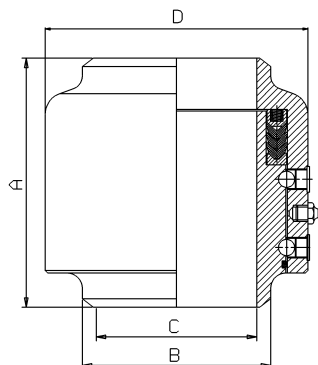
Mod. 2815-HD

Snodo girevole Tp.2174

2174 Mod. swivel joint



Dimensioni primarie / Dimensions



Size	A	B	C	D	Kg	Design Pressure
1"	96.5	33.4	26.5	62	2.1	40 Bar
1.1/2"	115	48.3	40	85	2.7	40 Bar
2"	115	60.3	51	94	3.2	40 Bar
2.1/2"	125	73	63	113	5.2	40 Bar
3"	139.5	88.9	78	124	6	40 Bar
4"	146	114.3	102	156	9.8	40 Bar
6"	216.5	168.3	152	225	26.6	10 Bar

Note / Remark

- Superfici di rotolamento temperate per induzione e rettificate.
- Induction hardened and grinded ball bearing raceways.

Part	Description	Q.ty	Material
1	Corpo dello snodo <i>Body</i>	1	Acc. Carbonio <i>Carbon Steel</i>
2	Maschio <i>Sleeve</i>	1	Acc. Carbonio <i>Carbon Steel</i>
3	Tappi fermo sfere <i>Ball plugs</i>	2	AISI 303
4	Sfere <i>Balls</i>		Acc. Carbonio <i>Carbon Steel</i>
5	Ingrassatore <i>Grease nipple</i>	1	Acc. Carbonio <i>Carbon Steel</i>
6	Guarnizioni a "V" <i>"V" ring seals</i>	3	BUNA N/VITON
7	Anello di appoggio <i>Female adapter</i>	1	Bronzo/Alluminio <i>Bronze/Aluminium</i>
8	Anello contropinta <i>Spring adapter</i>	1	Bronzo/Alluminio <i>Bronze/Aluminium</i>
9	Molle <i>Springs</i>		INOX
10	Anello ritegno grasso <i>Grease O'Ring</i>	1	BUNA N/VITON

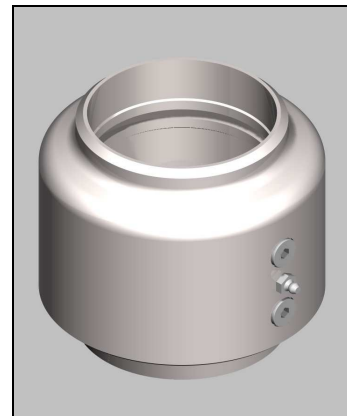
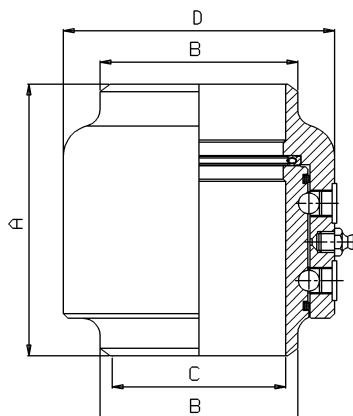
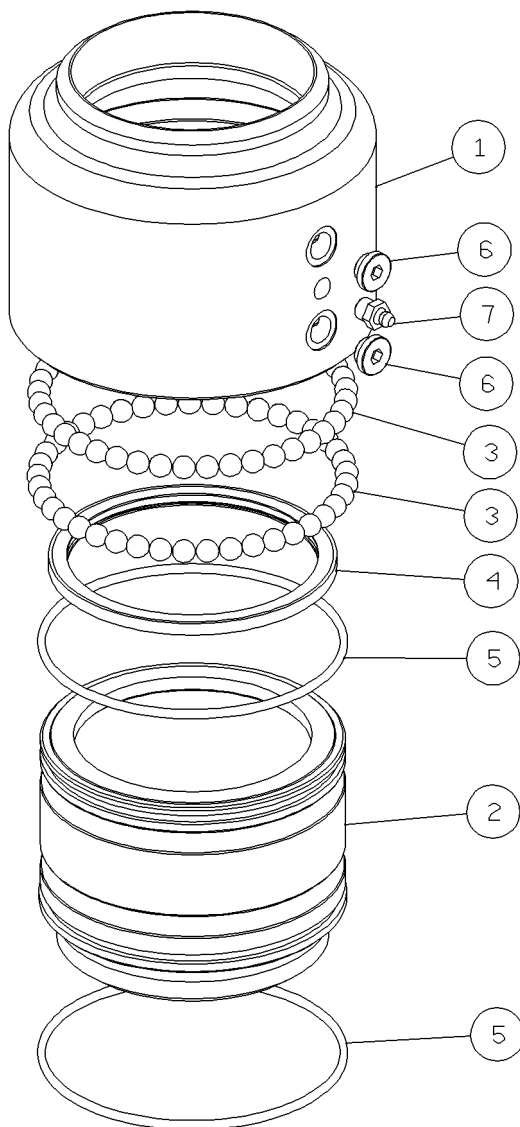
Snodo girevole Tp.2175

(acciaio al carbonio, acciaio inox o alluminio)

2175 Mod. swivel joint

(Carbon Steel, Stainless Steel or Aluminum made)

Dimensioni primarie / Dimensions



Size	A	B	C	D	Kg	Design Pressure
1"	80	33.4	26.5	62	1.8	40 Bar
1.1/2"	100	48.3	41	87	2.2	40 Bar
2"	101	60.3	52	93	2.8	40 Bar
3"	123	88.9	78	122	5	40 Bar
4"	136	114.3	102	154	8.7	40 Bar
6"	175	168.3	152	225	21	10 Bar

-Le pressioni e pesi sopra indicati sono riferiti allo snodo in esecuzione in Acciaio al Carbonio e Acciaio Inox. Per lo snodo in Alluminio la pressione di progetto è da considerarsi di 10 Bar per tutti i diametri disponibili.

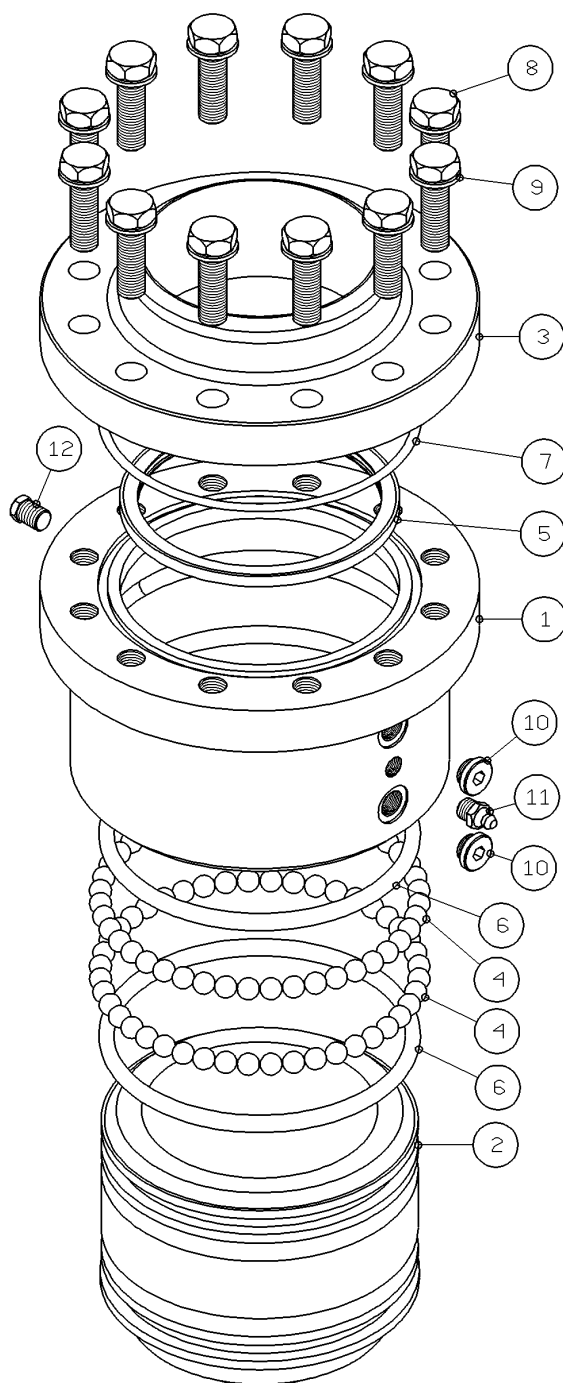
-Indicated pressures and weight are referred to Carbon Steel and Stainless Steel swivel joints. Aluminum swivel joint design pressure is 10 Bar for all available diameters.

Note / Remark

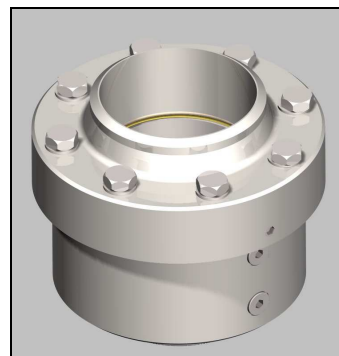
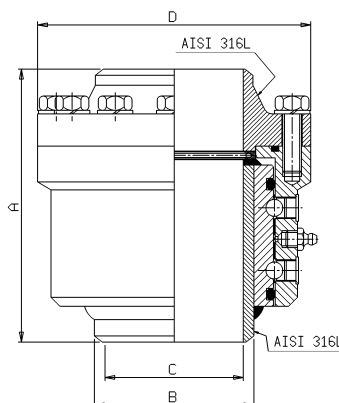
- **Solo per snodo in Acc.Carbonio:**
Superfici di rotolamento temperate per induzione e rettificate.
- **Only for Carbon Steel type:**
Induction hardened and grinded ball bearing raceways

Part	Description	Q.ty	Material	Material	Material
1	Corpo dello snodo Body	1	Acc.Carbonio Carbon Steel	AISI 304L/316L	Alluminio Alu. Alloy
2	Maschio Sleeve	1	Acc.Carbonio Carbon Steel	AISI 304L/316L	Alluminio Alu. Alloy
3	Sfere Balls		Acc.Carbonio Carbon Steel	Acc.Carbonio Carbon Steel	Acc.Carbonio Carbon Steel
4	Anello di tenuta energizzato Energized seal	1	PTFE caricato+ELGILOY® PTFE filled+ELGILOY®	PTFE caricato+ELGILOY® PTFE filled+ELGILOY®	PTFE caricato+ELGILOY® PTFE filled+ELGILOY®
5	Anelli di ritegno grasso Grease O'Ring	2	BUNA N / VITON	BUNA N / VITON	BUNA N / VITON
6	Tappi fermo sfere Ball plugs	2	AISI 303	AISI 303	AISI 303
7	Ingrassatore Grease nipple	1	Acc.Carbonio Carbon Steel	Acc.Carbonio Carbon Steel	Acc.Carbonio Carbon Steel
			ACC.CARBONIO/C.S.	ACC.INOX/S.S.	ALLUMINIO/ALU.ALLOY
Disponibilità - Availability Dn.			3"-4"-6"	1"-1.1/2"-2"-3"-4"-6"	3"-4"

Snodo girevole in 3 pezzi Tp.2815 con passaggio interno Inox 2815 Mod. 3 pieces swivel joint with s.s. lined



Dimensioni primarie / Dimensions



Size	A	B	C	D	Kg	Design Pressure
1.1/2"	126	48.3	41	106	4.7	40 Bar
2"	129	60.3	52	118	5.7	40 Bar
3"	152.5	88.9	78	154	10.3	40 Bar
4"	166	114.3	102	190	15.2	40 Bar
6"	215	168.3	152	240	37	10 Bar

Note / Remark

- Superfici di rotolamento temperate per induzione e rettificate. Superfici di tenuta e passaggio in AISI 316L
- Induction hardened and grinded ball bearing raceways. AISI 316L sealing and product contact surfaces

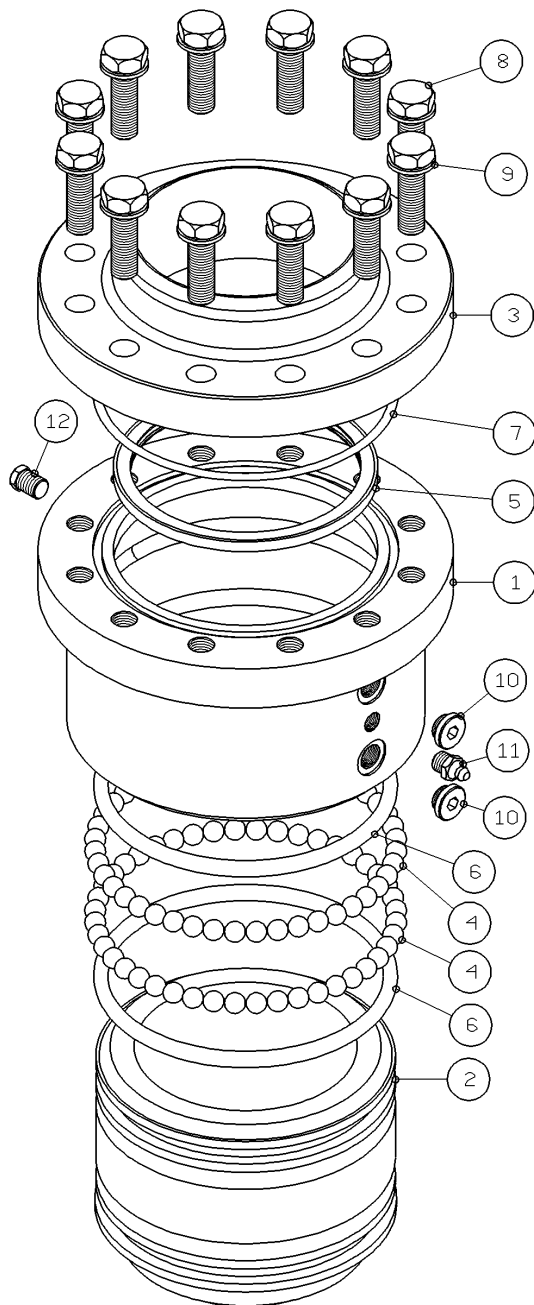
Part	Description	Q.ty	Material
1	Corpo dello snodo <i>Body</i>	1	Acc.Carbonio <i>Carbon Steel</i>
2	Maschio <i>Sleeve</i>	1	Acc.Carbonio/ AISI 316L <i>Carbon Steel/ AISI 316L</i>
3	Flangia del corpo <i>Body flange</i>	1	AISI 316-L
4	Sfere <i>Balls</i>		Acc.Carbonio <i>Carbon Steel</i>
5	Anello tenuta energizzato <i>Energized seal</i>	1	PTFE caricato+Elgiloy® <i>PTFE filled+ELGILOY®</i>
6	Anelli di ritegno grasso <i>Grease O'Ring</i>	2	BUNA N / VITON
7	Anello di tenuta flangia <i>Flange O'Ring</i>	1	BUNA N / VITON
8	Viti fissaggio flangia <i>Flange screws</i>		AISI 316L
9	Rosette elastiche <i>Washers</i>		AISI 316L
10	Tappi fermo sfere <i>Ball plugs</i>	2	AISI 303
11	Ingrassatore <i>Grease nipple</i>	1	Acc.Carbonio <i>Carbon Steel</i>
12	Tappo leak detector <i>Leak detector plug</i>	1	AISI 304

Snodo girevole in 3 pezzi Tp.2833

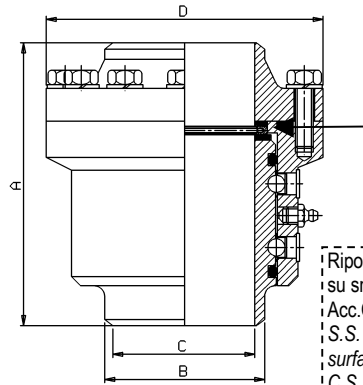
(acciaio al carbonio o acciaio inox)

2833 Mod. 3 pieces swivel joint

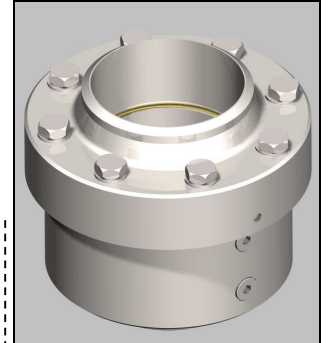
(Carbon Steel or Stainless Steel made)



Dimensioni primarie / Dimensions



Riparto Inox solo
su snodo in
Acc. Carbonio
S.S. sealing
surfaces only for
C.S. swivel joint



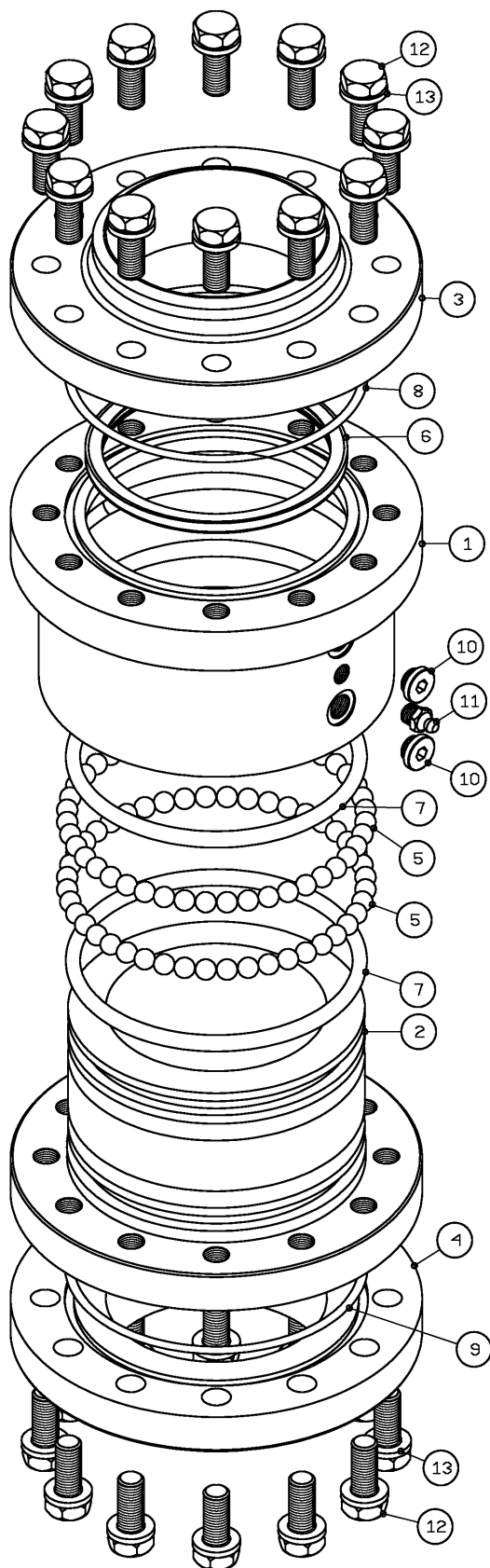
Size	A	B	C	D	Kg	Design Pressure
1.1/2"	126	48.3	41	106	4.3	40 Bar
2"	129	60.3	52	118	5.1	40 Bar
3"	155.5	88.9	78	154	8.8	40 Bar
4"	168	114.3	102	190	14.2	40 Bar
6"	215	168.3	152	240	27.7	10 Bar
8"	235	219.1	202.5	320	52.3	10 Bar
10"	252	273	254.5	390	67.6	10 Bar
12"	250	324	303	450	94.3	10 Bar

Note / Remark

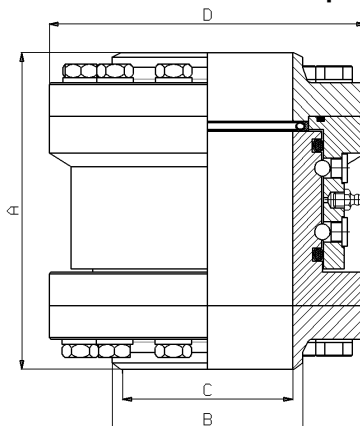
- Solo per snodo in Acc. Carbonio: Superfici di rotolamento temperate per induzione e rettificate. Superfici di tenuta con riparto in AISI 309.
- Only for Carbon Steel type: Induction hardened and grinded ball bearing raceways. AISI 309 sealing surfaces

Part	Description	Q.ty	Material	Material
1	Corpo dello snodo Body	1	Acc. Carbonio Carbon Steel	AISI 304L/316L
2	Maschio Sleeve	1	Acc. Carbonio Carbon Steel	AISI 304L/316L
3	Flangia del corpo Body flange	1	Acc. Carbonio Carbon Steel	AISI 304L/316L
4	Sfere Balls		Acc. Carbonio Carbon Steel	Acc. Carbonio Carbon Steel
5	Tenuta energizzata Energized seal	1	PTFE caricato+ELGILOY PTFE filled+ELGILOY®	PTFE caricato+ELGILOY PTFE filled+ELGILOY®
6	Anelli ritegno grasso Grease O'Ring	2	BUNA N / VITON	BUNA N / VITON
7	Anello tenuta flangia Flange O'Ring	1	BUNA N / VITON	BUNA N / VITON
8	Viti fissaggio flangia Flange screws		Acc. Carbonio Carbon Steel	AISI 304L/316L
9	Rosette elastiche Washers		Acc. Carbonio Carbon Steel	AISI 304L/316L
10	Tappi fermo sfere Ball plugs	2	AISI 303	AISI 303
11	Ingrassatore Grease nipple	1	Acc. Carbonio Carbon Steel	Acc. Carbonio Carbon Steel
12	Tappo leak detector Leak detector plug	1	AISI 304	AISI 304
			ACC. CARB./C.S.	ACC. INOX/S.S.
Disponibilità - Availability Dn.			Tutti diam./All size	3"-4"

Snodo girevole in 4 pezzi Tp.3885 **3885 Mod. 4 pieces swivel joint**



Dimensioni primarie / Dimensions



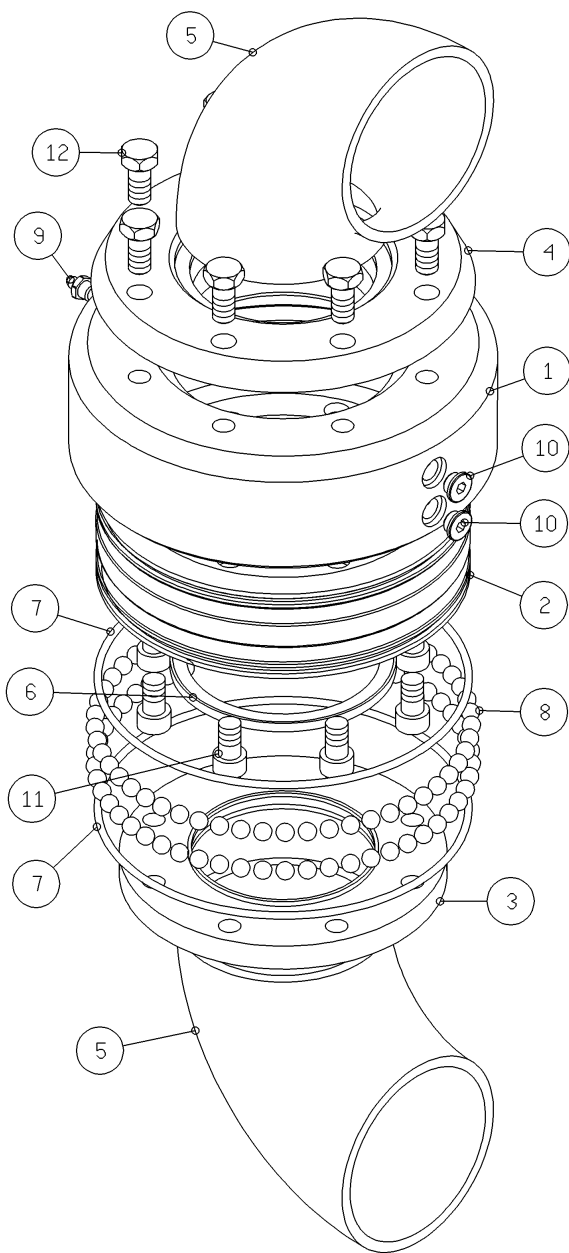
Size	A	B	C	D	Kg	Design Pressure
2"	153	60.3	52	118		40 Bar
3"	185	88.9	78	154	12.6	40 Bar
4"	189	114.3	102	190	20.5	40 Bar

Note / Remark

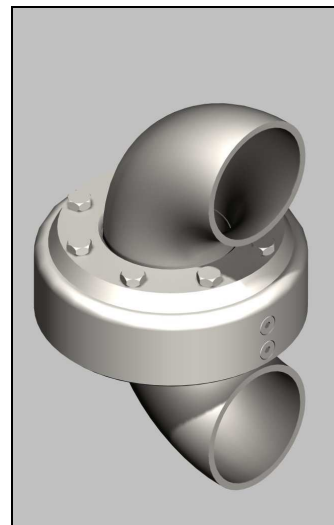
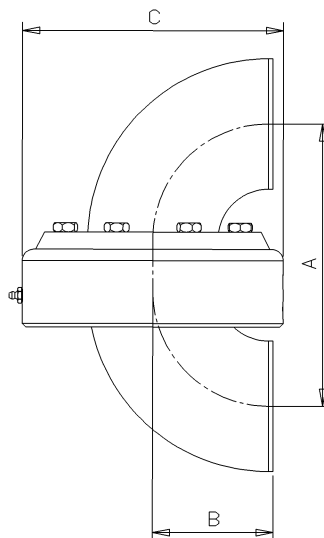
- Funzione leak-detector.
- Leak detector function.

Part	Description	Q.ty	Material
1	Corpo dello snodo <i>Body</i>	1	AISI 304L/316L
2	Maschio flangiato <i>Flanged sleeve</i>	1	AISI 304L/316L
3	Flangia del corpo <i>Body flange</i>	1	AISI 304L/316L
4	Flangia del maschio <i>Male flange</i>	1	AISI 304L/316L
5	Sfere <i>Balls</i>		Acc. Carbonio <i>Carbon Steel</i>
6	Anello tenuta energizzato <i>Energized seal</i>	1	PTFE caricato+Elgiloy® <i>PTFE filled+ELGILOY®</i>
7	Anelli di ritegno grasso <i>Grease O'Ring</i>	2	BUNA N / VITON
8	Anello tenuta flangia del corpo <i>Body's flange O'Ring</i>	1	BUNA N / VITON
9	Anello tenuta flangia maschio <i>Male's flange O'Ring</i>	1	BUNA N / VITON
10	Tappi fermo sfere <i>Ball plugs</i>	2	AISI 303
11	Ingrassatore <i>Grease nipple</i>	1	Acc. Carbonio <i>Carbon Steel</i>
12	Viti fissaggio flangia <i>Flange screws</i>		AISI 304/316
13	Rosette elastiche <i>Washers</i>		AISI 304/316

Snodo girevole Tp.3996 a ingombro ridotto **3996 Mod. reduced height swivel joint**



Dimensioni primarie / Dimensions



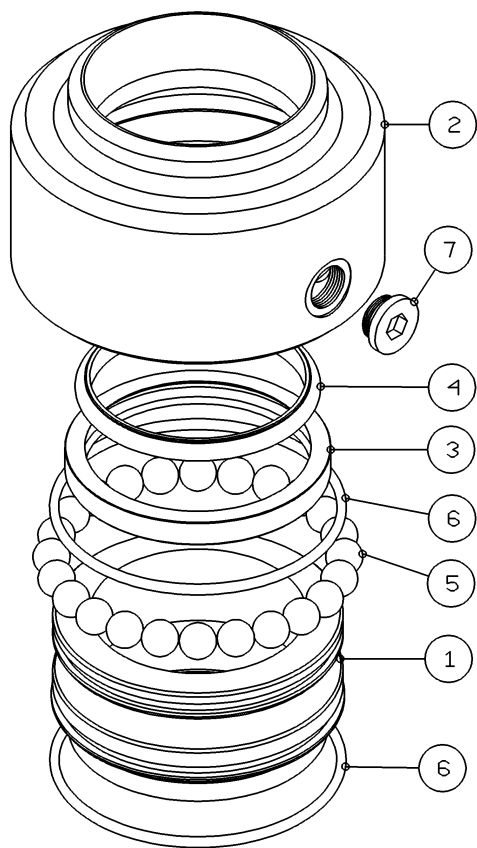
Size	A	B	C	Kg	Design Pressure
3"	200	76.2	206	13.7	10 Bar
4"	245	101.6	224	15.2	10 Bar

Note / Remark

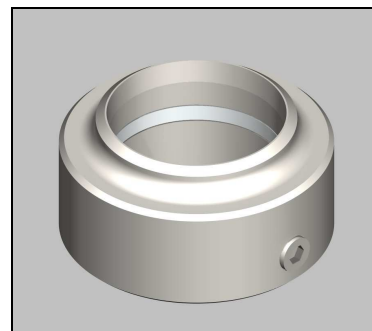
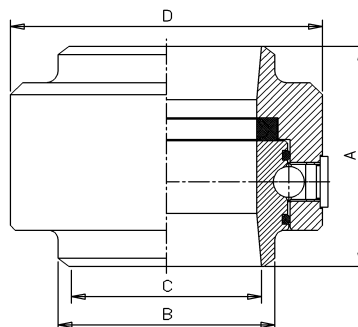
- Superfici di rotolamento temperate per induzione e rettificate.
- Induction hardened and grinded ball bearing raceways

Part	Description	Q.ty	Material
1	Femmina flangiata <i>Flanged female</i>	1	Acc. Carbonio <i>Carbon Steel</i>
2	Maschio flangiato <i>Flanged Sleeve</i>	1	Acc. Carbonio <i>Carbon Steel</i>
3	Flangia del maschio <i>Sleeve flange</i>	1	Acc. Carbonio <i>Carbon Steel</i>
4	Flangia della femmina <i>Female flange</i>	1	Acc. Carbonio <i>Carbon Steel</i>
5	Curve "Short-radius" <i>"Short-radius" elbows</i>	2	Acc. Carbonio <i>Carbon Steel</i>
6	Tenuta primaria <i>Primary seal</i>	1	PTFE caricato+ELGILOY® <i>PTFE filled+ELGILOY®</i>
7	Anello "O'ring" <i>"O'ring"</i>	2	BUNA N / VITON
8	Sfere <i>Ball</i>		Acc. Carbonio <i>Carbon Steel</i>
9	Ingrassatore <i>Grease nipple</i>	1	Acc. Carbonio <i>Carbon Steel</i>
10	Tappi fermo sfere <i>Ball plugs</i>	2	AISI 303
11	Viti fissaggio flangia <i>Flange screws</i>	8	Acc. Carbonio <i>Carbon Steel</i>
12	Viti fissaggio flangia <i>Flange screws</i>	8	Acc. Carbonio <i>Carbon Steel</i>

Snodo girevole Tp.2004 **2004 Mod. swivel joint**



Dimensioni primarie / Dimensions



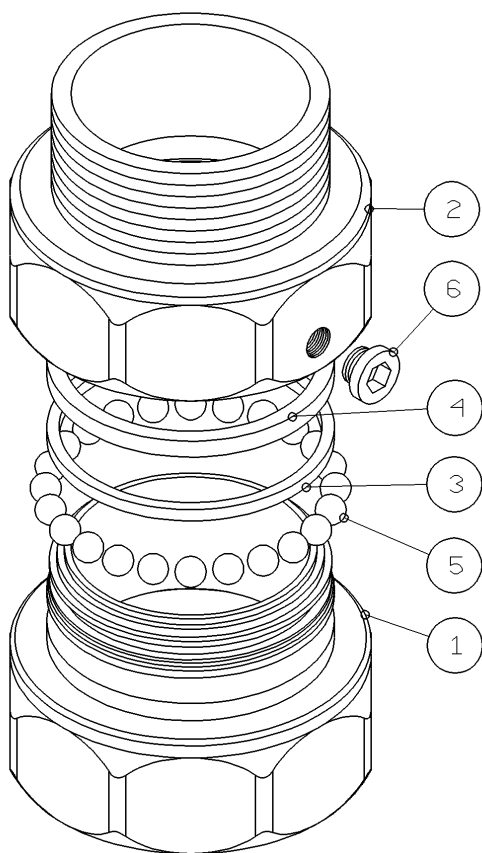
Size	A	B	C	D	Kg	Design Pressure
3"	91	88.9	78	128	3.7	10 Bar
4"	95	114.3	102	156	5	10 Bar

Note / Remark

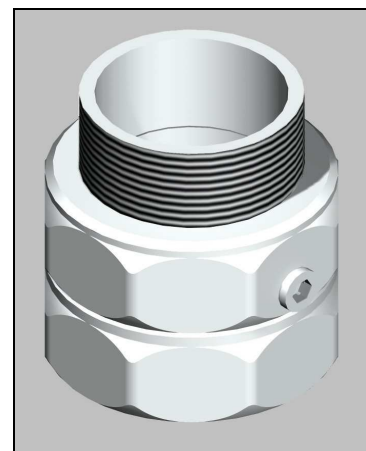
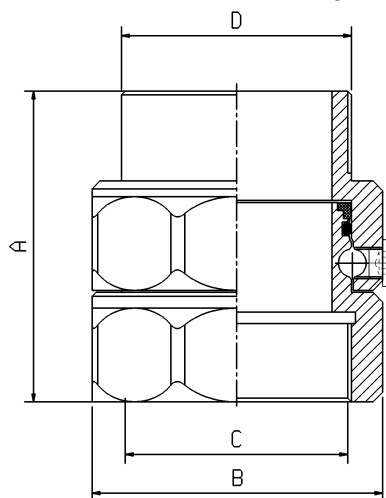
- Superficie di rotolamento temperata per induzione e rettificata.
- Induction hardened and grinded ball bearing raceway.

Part.	Description	Q.ty	Material
1	Maschio <i>Sleeve</i>	1	Acc.Carbonio <i>Carbon Steel</i>
2	Corpo dello snodo <i>Body</i>	1	Acc.Carbonio <i>Carbon Steel</i>
3	Guarnizione di tenuta <i>Packing seal</i>	1	BUNA N / VITON
4	Anello interno guarnizione <i>Seal ring</i>	1	Lega Alluminio <i>Alu.Alloy</i>
5	Sfere <i>Balls</i>		Acc.Carbonio <i>Carbon Steel</i>
6	Anello di ritegno grasso <i>Grease O'Ring</i>	1	BUNA N / VITON
7	Tappo fermo sfere <i>Ball plug</i>		AISI 303

Snodo per terminali flessibili Tp.3934 **3934 Mod. hose swivel joint**



Dimensioni primarie / Dimensions

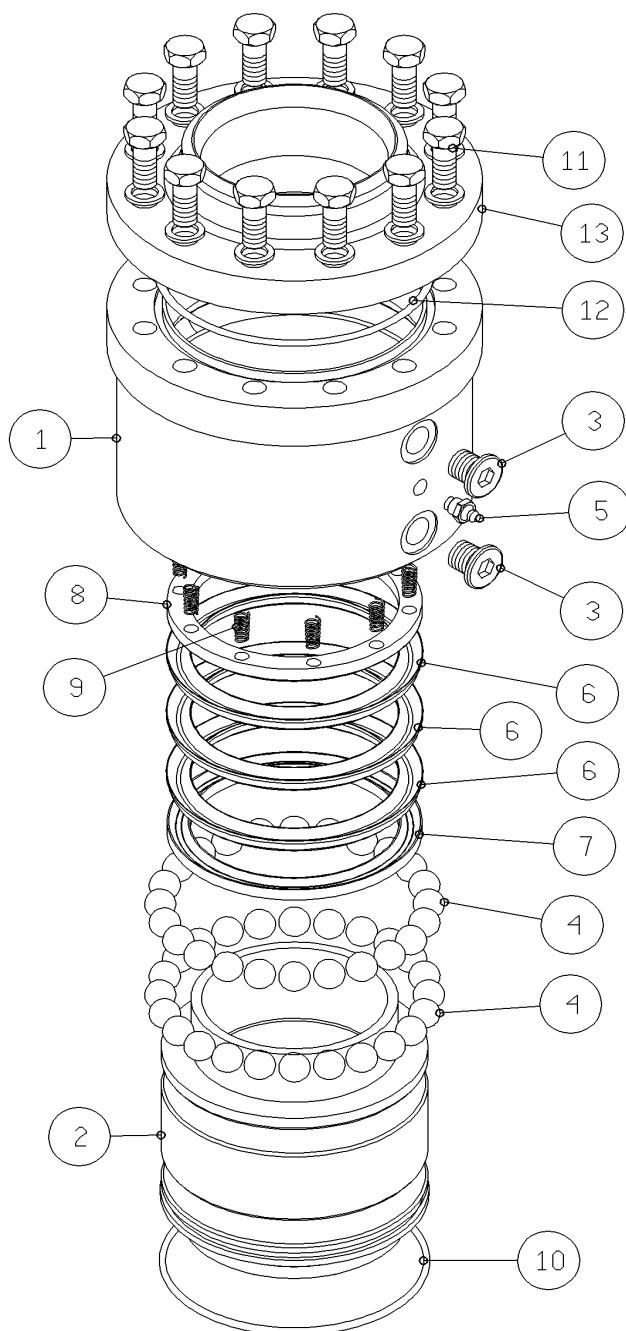


Size	A	B	C	D	Kg	Design Pressure
2"	80	75	Fil.F.2" BSPP	Fil.M.2" BSPT	0.5	10 Bar

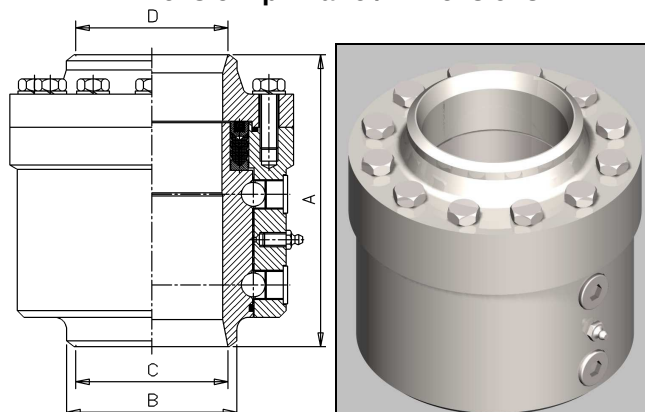
Part	Description	Q.ty	Material
1	Maschio <i>Sleeve</i>	1	Lega Alluminio <i>Alu.Alloy</i>
2	Corpo dello snodo <i>Body</i>	1	Lega Alluminio <i>Alu.Alloy</i>
3	O'ring di tenuta <i>O'Ring seal</i>	1	BUNA N / VITON
4	Anello guida <i>Guide ring</i>	1	PTFE
5	Sfere <i>Balls</i>		Acc.Carbonio <i>Carbon Steel</i>
6	Tappo fermo sfere <i>Ball plug</i>		AISI 303

Snodo girevole Tp.2174-HD per carichi elevati

2174-HD Mod. heavy-duty swivel joint



Dimensioni primarie / Dimensions



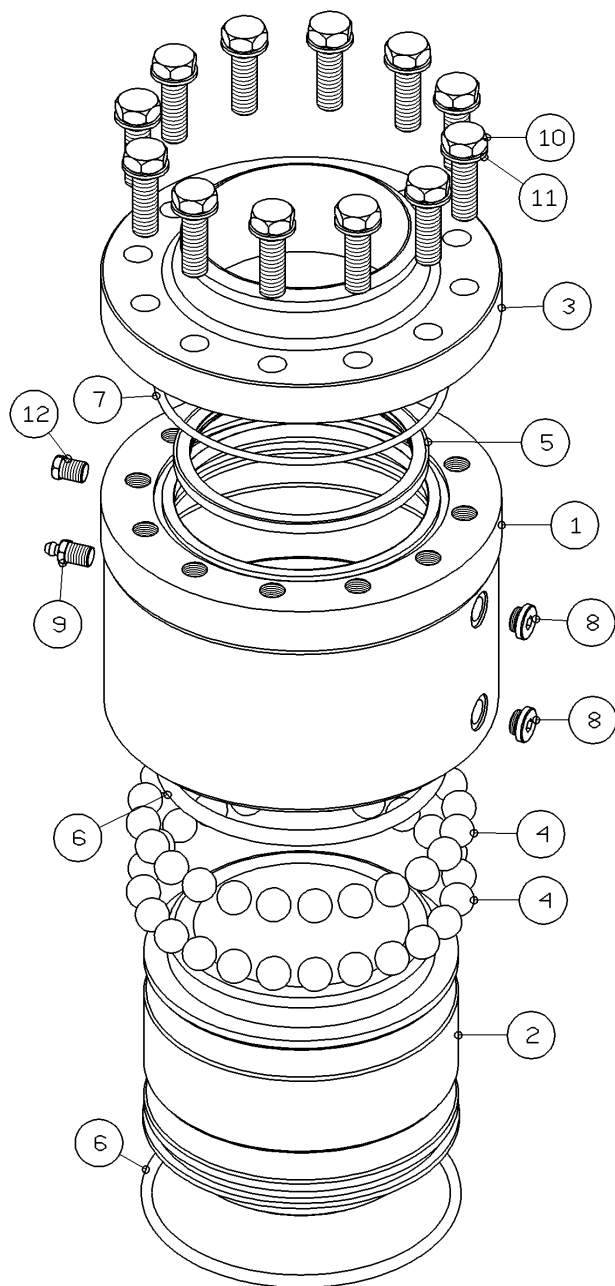
Size	A	B	C	D	Kg	Design Pressure
2"	129	60.3	51	52	5.4	40 Bar
3"	168.5	88.9	78	78	12	40 Bar
4"	193.5	114.3	102	102	20	40 Bar
6"	245.5	169	152	152	50	10 Bar

Note / Remark

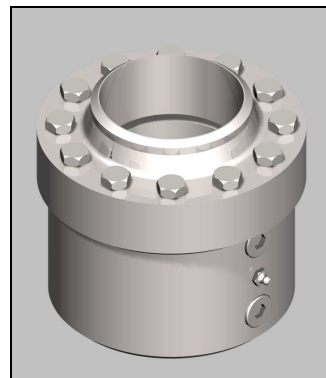
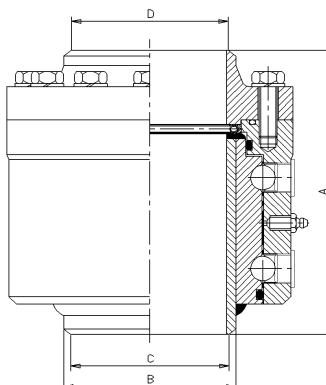
- Superfici di rotolamento temperate per induzione e rettificate.
- Induction hardened and grinded ball bearing raceways.

Part	Description	Q.ty	Material
1	Corpo Body	1	Acc.Carbonio Carbon Steel
2	Maschio Sleeve	1	Acc.Carbonio Carbon Steel
3	Tappi fermo sfere Ball plugs	2	AISI 303
4	Sfere Balls		Acc.Carbonio Carbon Steel
5	Ingrassatore Grease nipple	1	Acc.Carbonio Carbon Steel
6	Guarnizioni a "V" "V" ring seals	3	BUNA N/VITON
7	Anello di appoggio Female adapter	1	Ottone Brass
8	Anello contropinta Spring adapter	1	All. / Bronzo Alum. / Bronze
9	Molle Springs		INOX
10	Anello di ritegno grasso Grease O'Ring	1	BUNA N/VITON
11	Viti di bloccaggio Locking screws		Acc.Carbonio Carbon Steel
12	Anello di tenuta del corpo Body O'Ring	1	BUNA N/VITON
13	Flangia superiore Body flange	1	Acc.Carbonio Carbon Steel

Snodo girevole in 3 pezzi Tp.2815-HD con passaggio interno Inox 2815-HD Mod. 3 pieces swivel joint with s.s. lined



Dimensioni primarie / Dimensions



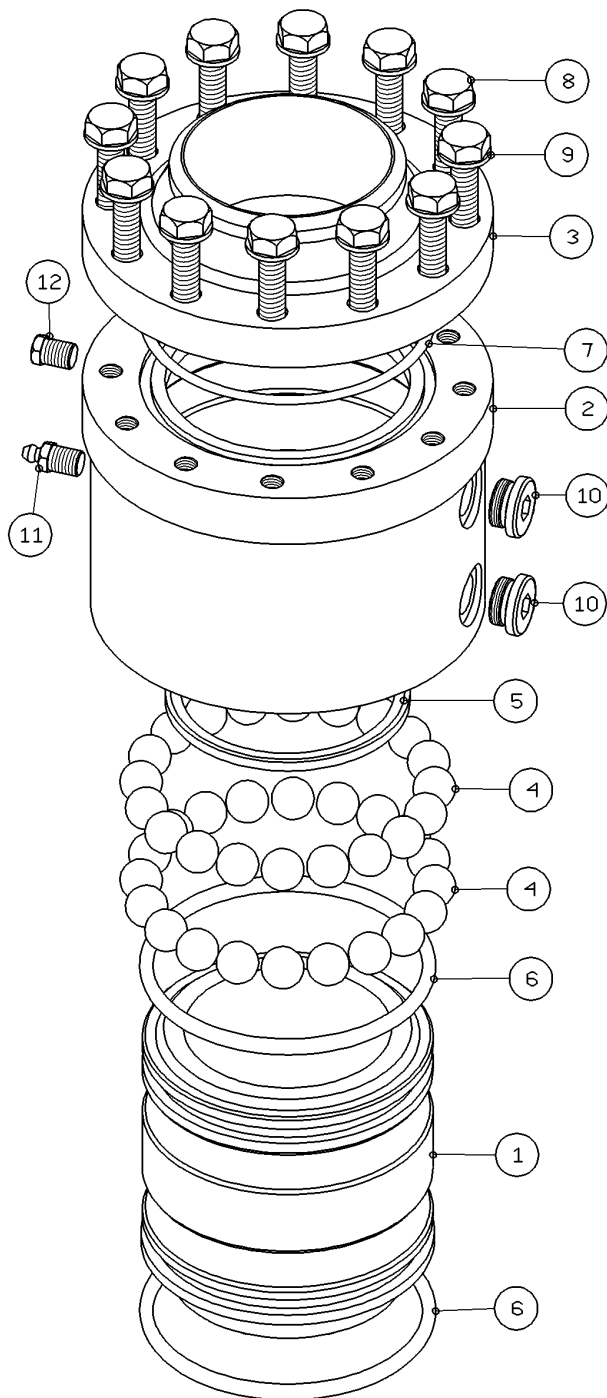
Size	A	B	C	D	Kg	Design Pressure
2"	129	60.3	52	52	6	40 Bar
3"	165	88.9	78	78	12	40 Bar
4"	189	114.3	102	102	20.3	40 Bar
6"	232	168.3	152	152	52.2	10 Bar

Note / Remark

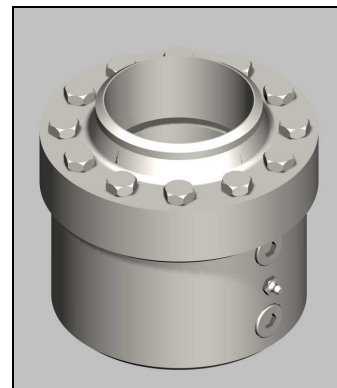
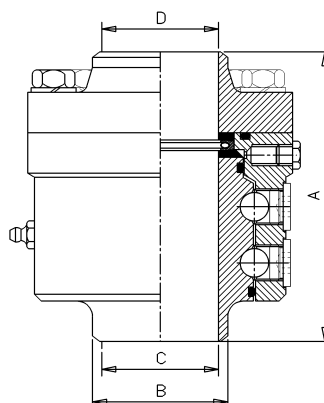
- Superfici di rotolamento temperate per induzione e rettificate. Superfici di tenuta e passaggio in AISI 316L
- Induction hardened and grinded ball bearing raceways. AISI 316L sealing and product contact surfaces

Part	Description	Q.ty	Material
1	Corpo dello snodo Body	1	Acc. Carbonio Carbon Steel
2	Maschio Sleeve	1	Acc. Carb./AISI 316-L Carbon Steel/AISI 316-L
3	Flangia del corpo Body flange	1	AISI 316-L
4	Sfere Balls		Acc. Carbonio Carbon Steel
5	Anello tenuta energizzato Energized seal	1	PTFE energizzato Energized PTFE
6	Anelli di ritegno grasso Grease O'Ring	2	BUNA N / VITON
7	Anello di tenuta flangia Flange O'Ring	1	PTFE / VITON
8	Tappi fermo sfere Ball plugs	2	AISI 303
9	Ingrassatore Grease nipple	1	Acc. Carbonio Carbon Steel
10	Viti fissaggio flangia Flange screws		AISI 304/316
11	Rosette elastiche Washers		AISI 304/316
12	Tappo leak detector Leak detector plug	1	AISI 304

Snodo girevole in 3 pezzi Tp.2833-HD **2833-HD Mod. 3 pieces swivel joint**



Dimensioni primarie / Dimensions



Size	A	B	C	D	Kg	Design Pressure
2"	129	60.3	52	52	6	40 Bar
3"	165	88.9	78	78	12	40 Bar
4"	187.5	114.3	102	102	20.3	40 Bar

Note / Remark

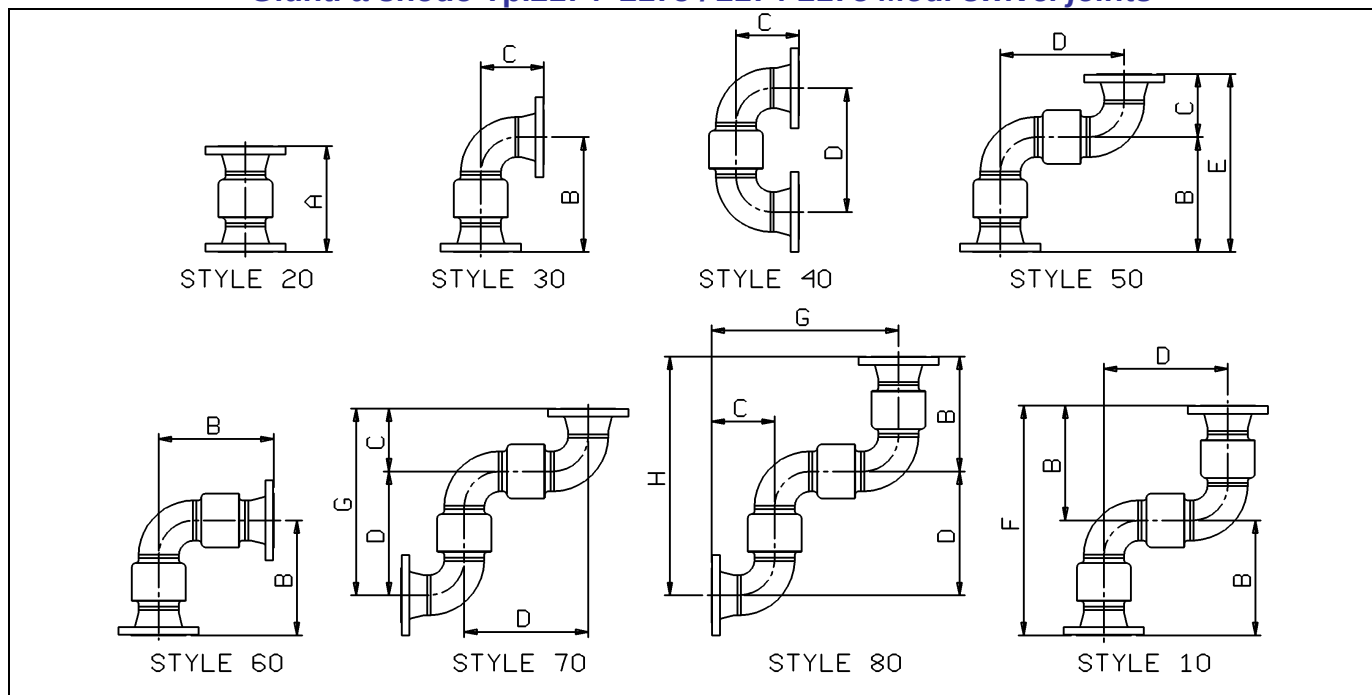
- Superfici di rotolamento temperate per induzione e rettificate. Superfici di tenuta in AISI 309
- Induction hardened and grinded ball bearing raceways. AISI 309 sealing surfaces

Part	Description	Q.ty	Material
1	Maschio Sleeve	1	Acc.Carbonio Carbon Steel
2	Corpo dello snodo Body	1	Acc.Carbonio Carbon Steel
3	Flangia del corpo Body flange	1	Acc.Carbonio Carbon Steel
4	Sfere Balls		Acc.Carbonio Carbon Steel
5	Anello tenuta energizzato Energized seal	1	PTFE energizzato Energized PTFE
6	Anelli di ritegno grasso Grease O'Ring	2	BUNA N / VITON
7	Anello di tenuta flangia Flange O'Ring	1	PTFE / VITON
8	Viti fissaggio flangia Flange screws		Acc.Carbonio Carbon Steel
9	Rosette elastiche Washers		Acc.Carbonio Carbon Steel
10	Tappi fermo sfere Ball plugs	2	AISI 303
11	Ingrassatore Grease nipple	1	Acc.Carbonio Carbon Steel
12	Tappo leak detector Leak detector plug	1	AISI 304

Stili vari e dimensioni di ingombro

Styles and dimensions

Giunti a snodo Tp.2174-2175 / 2174-2175 Mod. swivel joints



Flange ANSI 150 / ANSI 150 flanges

2174	A	B	C	D	E	F	G	H
1"	212	194	96	177	290	388	273	371
1.1/2"	243	238	121	233	359	476	354	471
2"	246	233	116	221	349	466	337	454
2.1/2"	269	262	135	256	397	524	391	518
3"	283	289	148	296	437	578	444	585
4"	302	328	180	353	508	656	533	681
6"	398	462	243	525	705	924	768	987
8"	456	558	307	659	865	1116	966	1217
10"	524	677	358	829	1035	1354	1187	1506

Flange ANSI 150 / ANSI 150 flanges

2175	A	B	C	D	E	F	G	H
1"	196	179	96	161	275	358	257	340
1.1/2"	228	223	121	218	344	446	339	441
2"	232	219	116	207	335	438	323	426
3"	267	273	148	279	421	546	427	552
4"	292	318	180	343	498	636	523	661
6"	357	421	243	484	664	842	727	905
8"	412	514	307	615	821	1028	922	1129
10"	447	600	358	752	958	1200	1110	1352

Flange DIN PN16 / DIN PN16 flanges

2174	A	B	C	D	E	F	G	H
1"	176	177	78	177	255	354	255	354
1.1/2"	203	218	101	233	319	436	334	451
2"	209	215	98	221	313	430	319	436
2.1/2"	219	237	110	256	347	474	366	493
3"	243	270	128	296	398	540	424	566
4"	254	304	156	353	460	608	509	657
6"	330	428	209	525	637	856	734	953
8"	377	518	267	659	785	1036	926	1177
10"	461	645	326	829	971	1290	1155	1474

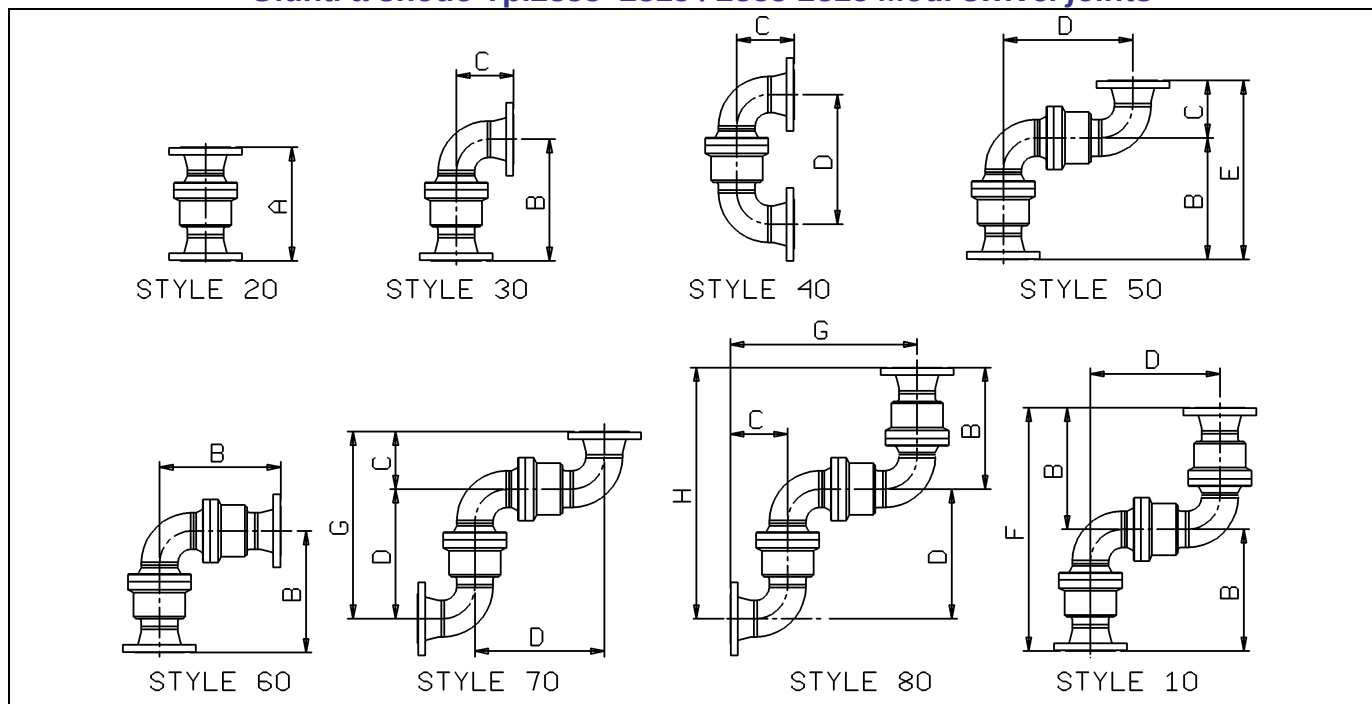
Flange DIN PN16 / DIN PN16 flanges

2175	A	B	C	D	E	F	G	H
1"	161	161	78	161	239	322	239	322
1.1/2"	188	203	101	218	304	406	319	421
2"	195	201	98	207	299	402	305	408
3"	227	253	128	279	381	506	407	532
4"	244	294	156	343	450	588	499	637
6"	289	387	209	484	596	774	693	871
8"	333	474	267	615	741	948	882	1089
10"	384	568	326	752	894	1136	1078	1320

Stili vari e dimensioni di ingombro

Styles and dimensions

Giunti a snodo Tp.2833-2815 / 2833-2815 Mod. swivel joints



Flange ANSI 150 / ANSI 150 flanges

2833	A	B	C	D	E	F	G	H
1.1/2"	254	249	121	244	370	498	365	493
2"	260	273	142	285	415	546	427	558
3"	299	305	148	312	453	610	460	617
4"	324	350	180	375	530	700	555	725
6"	397	460	243	524	703	920	767	984
8"	442	544	307	645	851	1088	952	1189
10"	457	610	358	762	968	122	1120	1372
12"	483	673	421	864	1094	1346	1285	1537

Flange ANSI 150 / ANSI 150 flanges

2815	A	B	C	D	E	F	G	H
1.1/2"	254	249	121	244	370	498	365	493
2"	260	273	142	285	415	546	427	558
3"	296	302	148	309	450	604	457	611
4"	322	348	180	373	528	696	553	721
6"	397	460	243	524	703	920	767	984

Flange DIN PN16 / DIN PN16 flanges

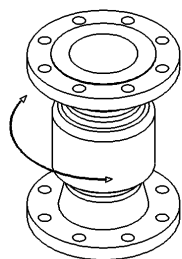
2833	A	B	C	D	E	F	G	H
1.1/2"	214	229	101	244	330	458	345	473
2"	223	254	123	285	377	508	408	539
3"	259	286	128	312	414	572	440	598
4"	276	326	156	375	482	652	531	701
6"	329	426	209	524	635	852	733	950
8"	363	504	267	645	771	1008	912	1149
10"	394	578	326	762	904	1156	1088	1340
12"	410	637	385	864	1022	1274	1249	1501

Flange DIN PN16 / DIN PN16 flanges

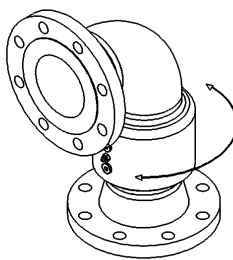
2815	A	B	C	D	E	F	G	H
1.1/2"	214	229	101	244	330	458	345	473
2"	223	254	123	285	377	508	408	539
3"	256	283	128	309	411	566	437	592
4"	274	324	156	373	480	648	529	697
6"	329	426	209	524	635	852	733	950

Stili vari e tipologia di rotazione

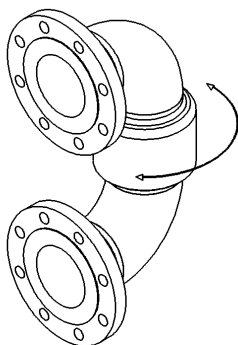
Styles and rotation typologies



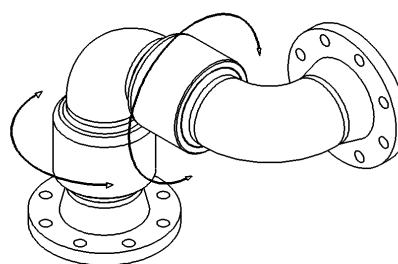
Style 20 H



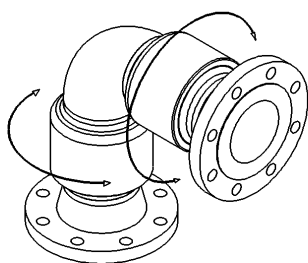
Style 30 H



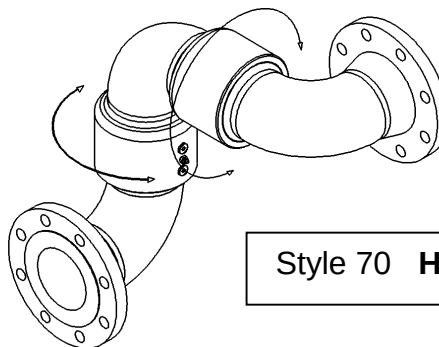
Style 40 H



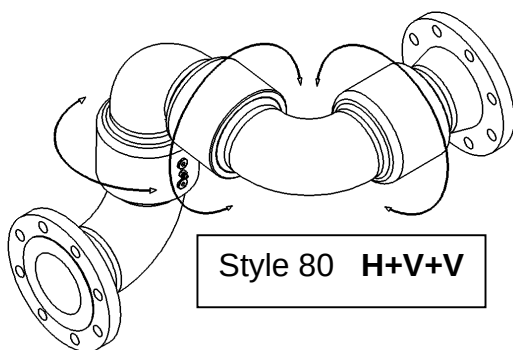
Style 50 H+V



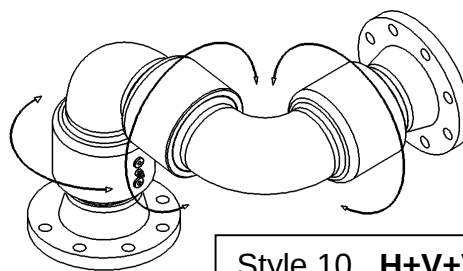
Style 60 H+V



Style 70 H+V



Style 80 H+V+V



Style 10 H+V+V

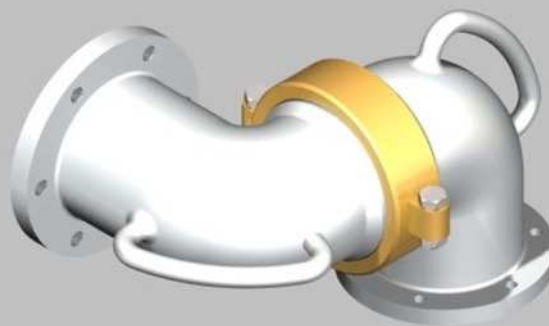
H = Rotazione orizzontale/Horizontal rotation **V** = Rotazione verticale/Vertical rotation



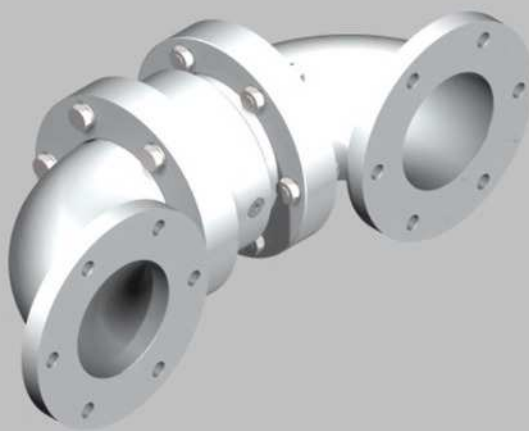
Gomiti girevoli Swivel elbows



Mod. 3443

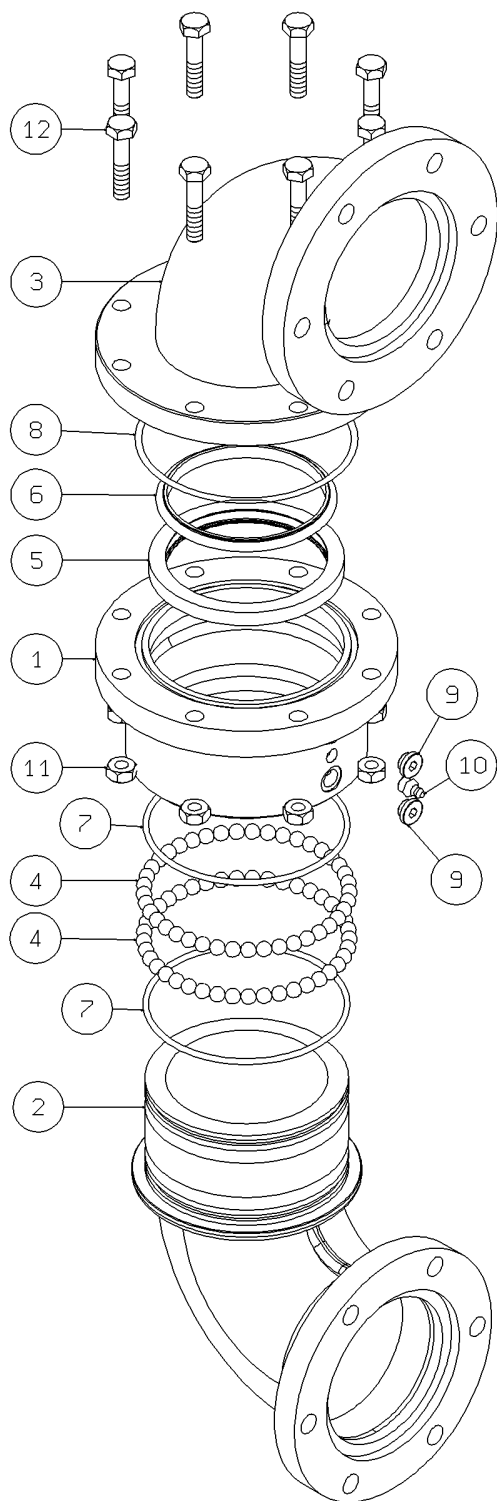


Mod. 536

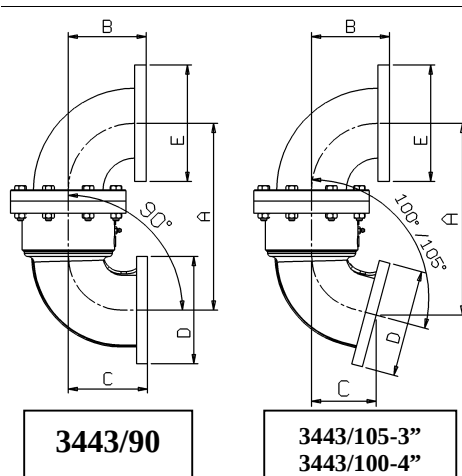


Mod. 4044

Snodo leggero Tp.3443 **3443 Mod. light swivel joint**



Dimensioni primarie / Dimensions



Size	A	B	C	D	E	Kg	Design Pressure
3"	238	101	106	154	154	6.6	10 Bar
4"	305	128	130	175	190	10	10 Bar

Note / Remark

Lo snodo Tp. 3443 è disponibile in 2 diversi modelli:

- Mod.3443/90 per avere il tubo secondario del braccio di carico orizzontale
- Mod.3443/105/100 per avere il tubo secondario del braccio di carico inclinato di 15°/10° verso il basso

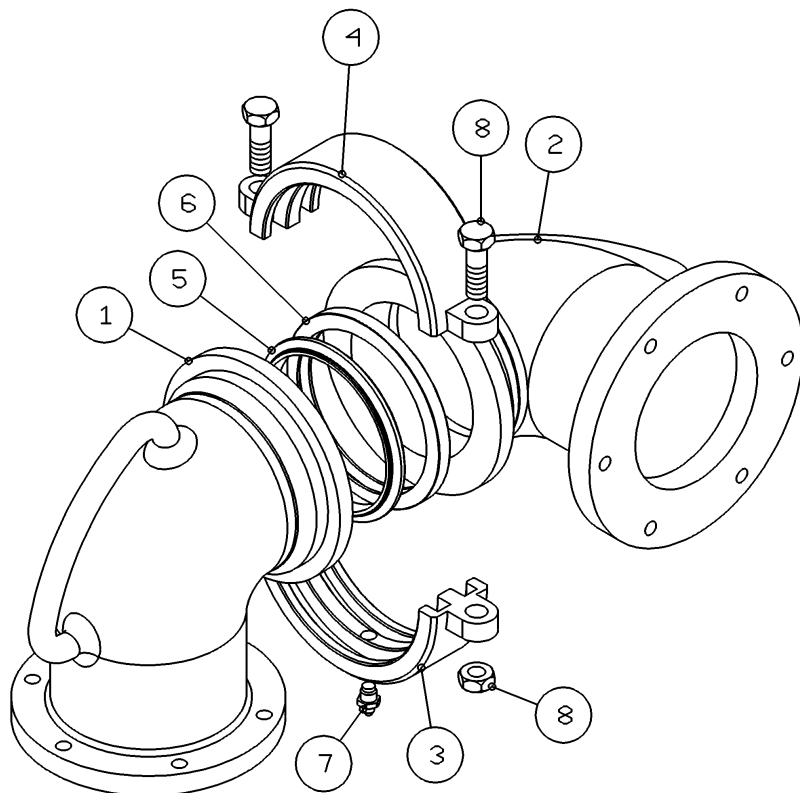
3443 swivel joint is available in 2 different models:

- 3443/90 Mod. to have horizontal secondary tube
- 3443/105/100 Mod. to have 15°/10° below the horizon tal secondary tube

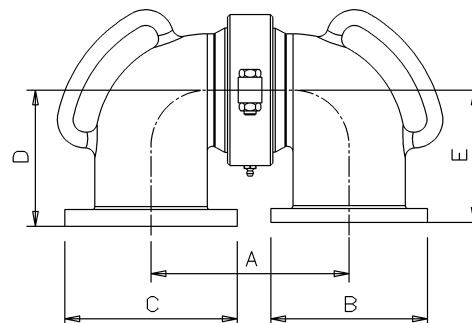
Part	Description	Q.ty	Material
1	Femmina <i>Female</i>	1	Lega Alluminio <i>Alu.Alloy</i>
2	Gomito maschio flangiato <i>Flanged drop male</i>	1	Lega Alluminio <i>Alu.Alloy</i>
3	Gomito flangiato <i>Flanged drop</i>	1	Lega Alluminio <i>Alu.Alloy</i>
4	Sfere <i>Balls</i>		Acc.Carbonio <i>Carbon Steel</i>
5	Guarnizione di tenuta <i>Packing seal</i>	1	BUNA N / VITON
6	Anello interno guarnizione <i>Seal ring</i>	1	Lega Alluminio <i>Alu.Alloy</i>
7	Anello di ritegno grasso <i>Grease O'Ring</i>	2	BUNA N / VITON
8	O'Ring <i>O'Ring</i>	1	BUNA N / VITON
9	Tappo ferma sfere <i>Ball retaining screws</i>	2	AISI 303
10	Ingrassatore <i>Grease fitting</i>	1	Acc.Carbonio <i>Carbon Steel</i>
11	Bullone con rosette elastiche <i>Bolting and washers</i>	8	Acc.Carbonio <i>Carbon Steel</i>
12	Viti <i>Screws</i>	8	Acc.Carbonio <i>Carbon Steel</i>

Gomito rotante Tp.536

536 Mod. drop tube swivel

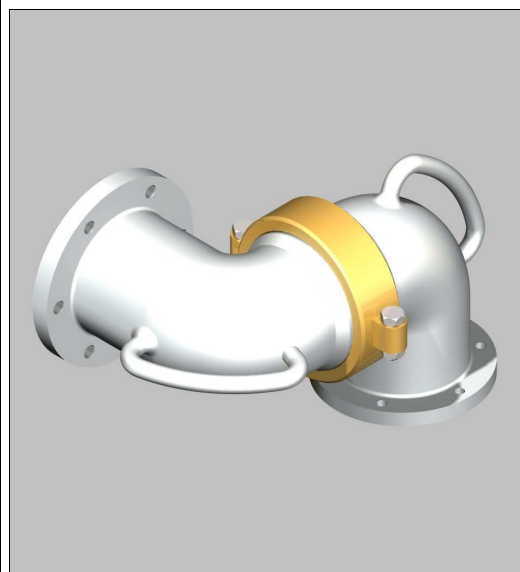


Dimensioni primarie / Dimensions

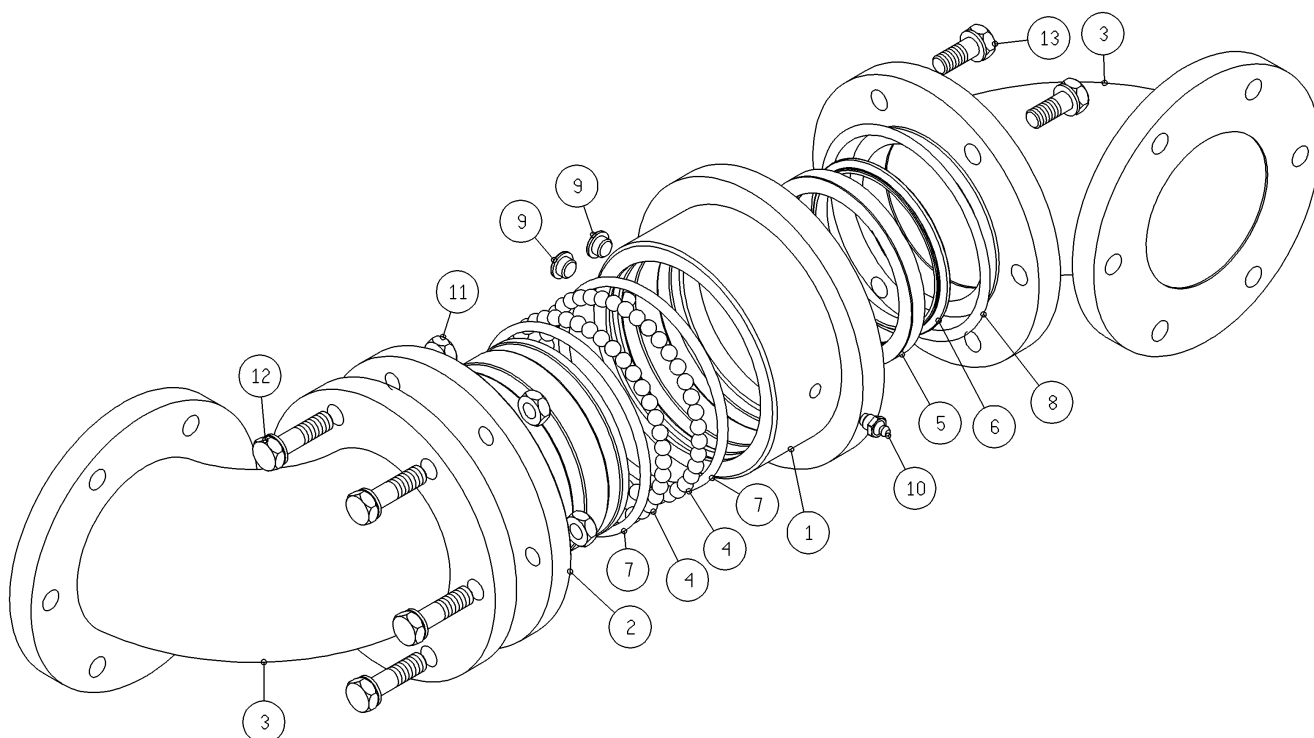


Size	3"	4"	6"
A	174	201	275
B	128	159	222
C	154	175	222
D	122	138	160
E	127	134	160
Kg	4.5	6.5	13
Design Pressure	10 Bar	10 Bar	10 Bar

Part	Description	Q.ty	Material
1	Gomito di uscita <i>Outlet elbow</i>	1	Lega Alluminio <i>Alu.Alloy</i>
2	Gomito di entrata <i>Inlet elbow</i>	1	Lega Alluminio <i>Alu.Alloy</i>
3	Mezzo collare <i>Half collar</i>	1	Bronzo <i>Bronze</i>
4	Mezzo collare <i>Half collar</i>	1	Bronzo <i>Bronze</i>
5	Anello interno guarnizione <i>Seal ring</i>	1	Lega Allum. / INOX <i>Alu.Alloy / INOX</i>
6	Guarnizione di tenuta <i>Packing seal</i>	1	BUNA N / VITON
7	Ingrassatore <i>Grease fitting</i>	1	Acc.Carbonio <i>Carbon Steel</i>
8	Viti e dadi di fissaggio <i>Screws and nuts</i>	2	Acc.Carbonio <i>Carbon Steel</i>

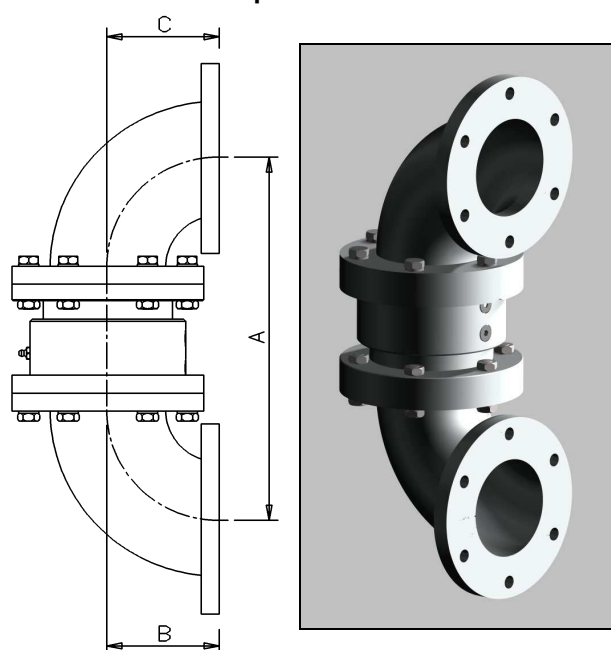


Snodo Tp.4044 per flottante **4044 Mod. floating suction swivel joint**



Part	Description	Q.ty	Material
1	Femmina flangiata <i>Flanged female</i>	1	Lega Alluminio <i>Alu.Alloy</i>
2	Maschio flangiato <i>Flanged male</i>	1	Lega Alluminio <i>Alu.Alloy</i>
3	Gomito flangiato <i>Flanged drop</i>	2	Lega Alluminio <i>Alu.Alloy</i>
4	Sfere <i>Balls</i>		Acc.Carbonio <i>Carbon Steel</i>
5	Guarnizione di tenuta <i>Packing seal</i>	1	BUNA N / VITON
6	Anello interno guarnizione <i>Seal ring</i>	1	Lega Alluminio <i>Alu.Alloy</i>
7	Anello di ritegno grasso <i>Grease O'Ring</i>	2	BUNA N / VITON
8	O'Ring <i>O'Ring</i>	1	BUNA N / VITON
9	Tappo ferma sfere <i>Ball retaining screws</i>	2	AISI 303
10	Ingrassatore <i>Grease fitting</i>	1	Acc.Carbonio <i>Carbon Steel</i>
11	Bullone e rosette elastiche <i>Bolting and washers</i>		Acc.Carbonio <i>Carbon Steel</i>
12	Viti <i>Screws</i>		Acc.Carbonio <i>Carbon Steel</i>
13	Viti <i>Screws</i>		Acc.Carbonio <i>Carbon Steel</i>

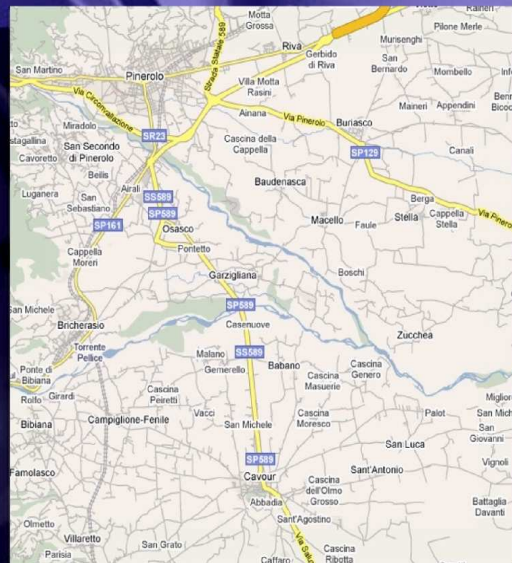
Dimensioni primarie / Dimensions



Size	2"	3"	4"	6"	8"	10"	12"	Design Pressure
A	257	363	375	513	547	634	885	10 Bar
B	91	129	125	190	210	226	375	10 Bar
C	91	129	125	190	210	226	375	10 Bar



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 5th. issue - January 2009.