



**PEZZI SPECIALI
IN GHISA**
per tubo in ghisa, PVC, PE

**DUCTILE IRON
FITTINGS**
for D.I., PVC, PE pipes

GAMMA PRODOTTI
PRODUCT RANGE

GIUNTI BICCHIERATI
SOCKET JOINTS

Giunti meccanici
Mechanical joints

Innesto rapido
Tyton joint

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SISTEMI ANTISFILAMENTO
RESTRAINING SYSTEMS

Giunti meccanici
Mechanical joints

Innesto rapido
Tyton joint

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GIUNTI FLANGIATI
FLANGED FITTINGS

Flangia orientabile PN 10 - 16 - 25
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GIUNTI PER TUBI PVC - PE
JOINTS FOR PVC - PE PIPES

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DUCTILE IRON PROPERTIES

Ductile iron is an iron/carbon/silicon alloy. In 1948 it was discovered that with the addition of magnesium to the molten iron, the graphite forms in spheres rather than flakes. Thus brittleness is eliminated and the material is strong and "ductile".

MECHANICAL PROPERTIES

Minimum Ultimate Tensile Strength	420 MN/mq.	
Minimum Elongation	Pipes Fittings	10% for DN< 1000 5%
Maximum Design Stresses:		
TENSION	170 MN/mq	
COMPRESSION	180 MN/mq	
SHEAR	150 MN/mq	
BENDING (Circumferential - Pipe wall)	250 MN/mq	
(Longitudinal - Pipe as beam)	200 MN/mq	
Modulus of Elasticity	170 GN/mq	
Poisson's Ratio	0,28	
Density	7050 Kg/mc	
Damping (logarithmic decrement)	(5 to 20) x 10 ⁻⁴	
Coefficient of Thermal Expansion	11 x 10 ⁻⁶ per °C	
Thermal Conductivity	36 W/m °C	

FEATURES

Inherent Strength

BENEFITS

- Ability to withstand extreme internal pressures and external loads.
- Can be laid in poor load bearing or unstable ground.
- Resistent to freeze-thaw conditions.
- Minimum number of supports due to high beam strength.
- Easier, faster direct tapping.
- Minimum risk of damage to exposed pipework during installation.
- Resistance to second corner damage or disruption.
- Resistance to vandalism.
- High safety factor incorporated into design.
- Measured failure at more than double allowable operating pressure.
- Can be laid in poor load bearing or unstable ground. No long term reduction in stiffness (relaxation).
- Less dependant on surrounding material for support.
- Variety of jointing systems to suit different applications.
- Accomodate expansion and contraction.
- Fixed joints to minimise number of supports.
- Accomodate ground movement and limit longitudinal stresses. Capable of angular deflection and axial withdrawal.
- Vast range of fittings available from stock.
- Ability to meet emergency requirements without special fabrication.
- Range of fittings ensures ability to accommodate pipework in a confined space.

Excellent Impact Resistance

High Safety Margin

High Ring Stiffness

Joints

Complete Range of Fittings

Consistent High Quality Performance

- Quality assured to EN ISO 9001: 2008, EN 545, ARPAL, Etc.

PROPRIETÀ DELLA GHISA SFEROIDALE

La ghisa sferoidale è una lega di ferro/carbonio/silice.

Nel 1948 fu scoperto che aggiungendo del Magnesio al ferro fuso, la grafite si combina in sfere anziché in fiocchi. In questa maniera si elimina la fragilità ed il materiale è robusto e "malleabile".

PROPRIETÀ MECCANICHE

Resistenza a trazione minima	420 MN/mq.	
Allungamento minimo	Tubi Raccordi	10% for DN< 1000 5%
Massimi sforzi di progetto:		
TENSIONE	170 MN/mq	
COMPRESSIONE	180 MN/mq	
TAGLIO	150 MN/mq	
PIEGATURA (Circonfrenziale - parete del tubo)	250 MN/mq	
(Longitudinale - tubo come trave)	200 MN/mq	
Modulo elastico	170 GN/mq	
Coefficiente di Poisson	0,28	
Densità	7050 Kg/mc	
Ammortizzazione (diminuzione logaritmica)	(5 to 20) x 10 ⁻⁴	
Coefficiente di espansione termica	11 x 10 ⁻⁶ per °C	
Conducibilità termica	36 W/m °C	

CARATTERISTICHE BENEFICI

Robustezza intrinseca

- Capacità di sopportare pressioni interne e carichi esterni estremi.
- Può essere posato su terreni a poca resistenza o instabili.
- Resistente ai cicli di congelamento.
- L'alta resistenza come trave permette un numero di supporti minimo.
- Derivazioni dirette facili e rapide.
- Minimo rischio di danneggiamento alla tubazione esposta durante l'installazione.
- resistenza al vandalismo.
- Nella progettazione è incluso un alto fattore di sicurezza.
- Rotture sono state misurate a più del doppio della pressione di funzionamento ammissibile.
- Può essere posato su terreni a poca resistenza od instabili.
- Nessuna riduzione di resistenza nel tempo.
- Meno dipendente dai materiali di riempimento per essere supportata.
- Varie possibilità di giunzione per ottimizzare le applicazioni.
- Permettono espansioni e contrazioni.
- Giunzioni fisse per minimizzare i supporti.
- Permettono movimenti del terreno evitando stress longitudinali.
- Permettono spostamenti assiali.
- Vasta gamma di raccordi disponibile a magazzino.
- Possibilità di far fronte ad emergenze senza fabbricazioni speciali al momento.
- La gamma di raccordi permette installazioni in spazi ristretti.

Resistenza all'urto

Alto margine di sicurezza

Alta resistenza sulla circonferenza

Giunzioni

Gamma completa di raccordi

Alta qualità garantita e costante

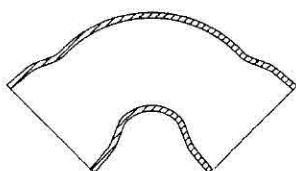
- La qualità è assicurata dalla EN ISO 9001:2008, EN 545, ARPAL, ecc.

GIUNTI BICCHIERATI

SOCKET JOINTS



CURVA 90°
BEND 90°



GIUNTI MECCANICI - MECHANICAL JOINTS

RHE

DN	Kg.	codice	Euro
60	10,2	GOE 0600	63.70
80	12,0	GOE 0800	79.10
100	14,1	GOE 1000	93.40
125	18,4	GOE 1250	113.20
150	26,2	GOE 1500	140.70
200	34,7	GOE 2000	200.20
250	51,6	GOE 2500	294.90
300	68,0	GOE 3000	399.00

INNESTO RAPIDO - TYTON JOINT

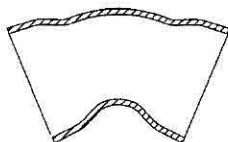
RHR

350	79,0	GOR 3500	474.00
400	108,0	GOR 4000	648.00
450	138,0	GOR 4500	828.00
500	177,0	GOR 5000	1062.00
600	285,0	GOR 6000	1710.00

700 ÷ 1000 DISPONIBILI SU RICHIESTA - TIPO AUTOMATICO TYTON
700 ÷ 1000 UPON REQUEST - PUSH FIT TYPE TYTON



CURVA 45°
BEND 45°



GIUNTI MECCANICI - MECHANICAL JOINTS

RHE

DN	Kg.	codice	Euro
60	10	GYE 0600	61.40
80	11,5	GYE 0800	73.40
100	13,6	GYE 1000	84.80
125	17,0	GYE 1250	110.50
150	23,6	GYE 1500	128.70
200	30,3	GYE 2000	174.80
250	42,6	GYE 2500	247.90
300	59,9	GYE 3000	329.20

INNESTO RAPIDO - TYTON JOINT

RHR

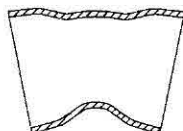
350	58,0	GYR 3500	348.00
400	80,0	GYR 4000	480.00
450	99,0	GYR 4500	594.00
500	128,0	GYR 5000	768.00
600	186,0	GYR 6000	1116.00

700 ÷ 1000 DISPONIBILI SU RICHIESTA - TIPO AUTOMATICO TYTON
700 ÷ 1000 UPON REQUEST - PUSH FIT TYPE TYTON

GIUNTI BICCHIERATI SOCKET JOINTS



CURVA 22° 30'
BEND 22° 30'



GIUNTI MECCANICI - MECHANICAL JOINTS

RHE

DN	Kg.	codice	Euro
80	11,2	GKE 0800	74.10
100	13,3	GKE 1000	85.80
125	16,0	GKE 1250	111.80
150	22,6	GKE 1500	129.90
200	29,3	GKE 2000	176.90
250	38,3	GKE 2500	242.30
300	58,2	GKE 3000	315.80

INNESTO RAPIDO - TYTON JOINT

RHR

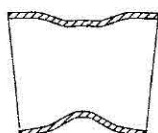
350	48,0	GKR 3500	288.00
400	63,0	GKR 4000	378.00
450	78,0	GKR 4500	468.00
500	99,0	GKR 5000	594.00
600	142,0	GKR 6000	852.00

700÷1000 DISPONIBILI SU RICHIESTA - TIPO AUTOMATICO TYTON

700÷1000 UPON REQUEST - PUSH FIT TYPE TYTON



CURVA 11° 15'
BEND 11° 15'



GIUNTI MECCANICI - MECHANICAL JOINTS

RHE

DN	Kg.	codice	Euro
80	11,1	GJE 0800	75.40
100	13,1	GJE 1000	84.40
125	16,0	GJE 1250	110.50
150	21,4	GJE 1500	126.20
200	26,6	GJE 2000	172.60
250	36,1	GJE 2500	227.00
300	58,2	GJE 3000	294.90

INNESTO RAPIDO - TYTON JOINT

RHR

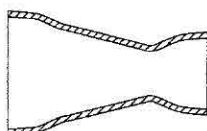
350	41,0	GJR 3500	246.00
400	54,0	GJR 4000	324.00
450	76,0	GJR 4500	456.00
500	84,0	GJR 5000	504.00
600	121,0	GJR 6000	726.00

350÷1000 DISPONIBILI SU RICHIESTA - TIPO AUTOMATICO TYTON

350÷1000 UPON REQUEST - PUSH FIT TYPE TYTON



RIDUZIONE
Concentric reducer



GIUNTI MECCANICI - MECHANICAL JOINTS

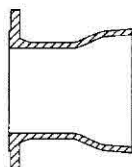
RHE

DN	dn	Kg.	codice	Euro
100	80	12,3	RCE 100 I	80.60
150	100	18,4	RCE 150 L	112.20
200	150	26,8	RCE 200 N	156.10
250	200	39,5	RCE 250 P	256.60
300	250	53,4	RCE 300 Q	265.40

350÷1000 DISPONIBILI SU RICHIESTA - TIPO AUTOMATICO TYTON

350÷1000 UPON REQUEST - PUSH FIT TYPE TYTON

GIUNTI BICCHIERATI
SOCKET JOINTS

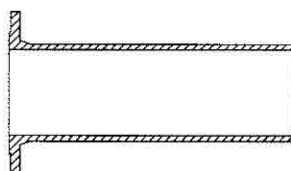
TAZZA
Flange - Socket

GIUNTI MECCANICI - MECHANICAL JOINTS
RHE

DN	Kg.	codice	Euro
60	9,0	TBE 0600	46.90
80	9,8	TBE 0800	57.10
100	10,6	TBE 1000	62.50
125	12,0	TBE 1250	72.50
150	19,5	TBE 1500	86.10
200	23,4	TBE 2000	124.20
250	31,6	TBE 2500	166.70
300	38,0	TBE 3000	217.10

INNESTO RAPIDO - TYTON JOINT
RHR

350	47.0	TBR 3500	232.10
400	63.0	TBR 4000	311.30
450	72.0	TBR 4500	356.40
500	93.0	TBR 5000	459.80
600	135.0	TBR 6000	667.70

700÷1000 DISPONIBILI SU RICHIESTA - TIPO AUTOMATICO TYTON
 700÷1000 UPON REQUEST - PUSH FIT TYPE TYTON


IMBOCCO
Flange - Spigot

GIUNTI MECCANICI - MECHANICAL JOINTS
RHE

DN	Kg.	codice	Euro
60	8,8	MBF 0600	40.70
65	9,0	MBF 0650	42.60
80	9,2	MBF 0800	43.50
100	11,8	MBF 1000	50.00
125	14,0	MBF 1250	62.40
150	18,7	MBF 1500	76.00
200	26,9	MBF 2000	107.10
250	42,8	MBF 2500	208.00
300	52,2	MBF 3000	226.30

INNESTO RAPIDO - TYTON JOINT
RHR

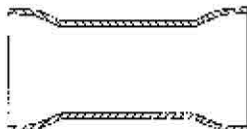
350	55,0	MBF 3500	296.40
400	75,0	MBF 4000	404.40
450	90,0	MBF 4500	486.00
500	115,0	MBF 5000	620.40
600	161	MBF 6000	868.80

700÷1000 DISPONIBILI SU RICHIESTA TYTON
 700÷1000 UPON REQUEST TYTON

GIUNTI BICCHIERATI SOCKET JOINTS



MANICOTTO a 2 bicchieri Double socket collar



GIUNTI MECCANICI - MECHANICAL JOINTS

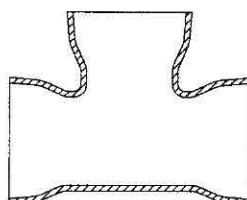
RHE

DN	Kg.	codice	Euro
80	12,3	M2B 0800	79.10
100	15,5	M2B 1000	89.30
125	18,7	M2B 1250	99.70
150	24,9	M2B 1500	122.10
200	31,4	M2B 2000	168.40
250	40,5	M2B 2500	280.30
300	52,5	M2B 3000	339.50

350÷1000 DISPONIBILI SU RICHIESTA - TIPO AUTOMATICO TYTON
350÷1000 UPON REQUEST - PUSH FIT TYPE TYTON



TEE a 3 bicchieri All socket TEE



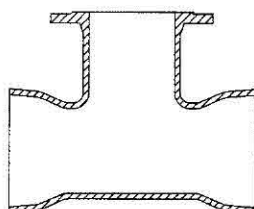
GIUNTI MECCANICI - MECHANICAL JOINTS

RHE

DN	dn	Kg.	codice	Euro
80	80	22,0	T3B 080 0	112.80
100	80	24,3	T3B 100 I	134.20
100	100	28,2	T3B 100 0	134.20
150	80	35,3	T3B 150 I	168.60
150	100	35,9	T3B 150 L	168.60
150	150	38,7	T3B 150 0	189.90
200	80	45,3	T3B 200 I	216.50
200	100	47,0	T3B 200 L	216.50
200	150	54,5	T3B 200 N	247.30
200	200	62,0	T3B 200 0	269.00

250÷1000 DISPONIBILI SU RICHIESTA - TIPO AUTOMATICO TYTON
250÷1000 UPON REQUEST - PUSH FIT TYPE TYTON

GIUNTI BICCHIERATI
SOCKET JOINTS

TEE
a 2 bicchieri e flangia
Flange on socket TEE

GIUNTI MECCANICI - MECHANICAL JOINTS
RHE

DN	dn	Kg.		codice	Euro
80	60	18,0		T2B 080 J	95.30
80	80	18,7		T2B 080 O	96.20
100	80	20,8		T2B 100 I	98.50
100	100	22,1		T2B 100 O	103.70
125	125	31,6		T2B 125 O	119.30
150	80	28,9		T2B 150 I	129.70
150	100	30,1		T2B 150 L	138.00
150	150	35,1		T2B 150 O	154.80
200	80	37,9		T2B 200 I	185.80
200	100	39,7		T2B 200 L	185.80
200	150	46,0		T2B 200 N	207.40
200	200	52,0		T2B 200 O	223.90
250	80	50,8		T2B 250 I	395.80
250	100	53,1		T2B 250 L	395.90
250	150	59,5		T2B 250 N	395.90
250	200	61,0		T2B 250 P	395.90
250	250	70,9		T2B 250 O	415.00
300	80	76,0		T2B 300 I	529.70
300	100	78,1		T2B 300 L	529.70
300	150	92,1		T2B 300 N	566.20
300	200	95,0		T2B 300 P	566.20
300	250	113,0		T2B 300 Q	566.20
300	300	120,0		T2B 300 O	566.20

INNESTO RAPIDO - TYTON JOINT
RHR

350	80	56.0		T2B 350 I	336.00
350	100	57.0		T2B 350 L	342.00
350	150	75.0		T2B 350 N	450.00
350	350	122.0		T2B 350 O	732.00
400	80	71.0		T2B 400 I	426.00
400	100	72.0		T2B 400 L	432.00
400	150	90.0		T2B 400 N	540.00
400	200	92.0		T2B 400 P	552.00
400	250	131.0		T2B 400 Q	786.00
400	300	135.0		T2B 400 T	810.00
400	400	150.0		T2B 400 O	900.00
450	80	89.0		T2B 450 I	534.00
450	100	90.0		T2B 450 L	540.00
450	150	110.0		T2B 450 N	660.00
450	300	174.0		T2B 450 T	1044.00
450	400	191.0		T2B 450 V	1146.00
450	450	198.0		T2B 450 O	1188.00

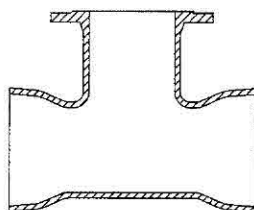
GIUNTI BICCHIERATI SOCKET JOINTS



TEE

a 2 bicchieri e flangia

Flange on socket TEE



INNESTO RAPIDO - TYTON JOINT

RHR

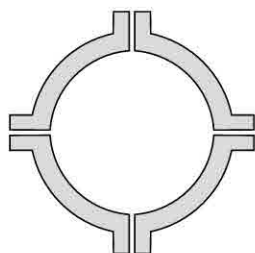
DN	dn	Kg.		codice	Euro
500	80	103.0		T2B 500 I	618.00
500	100	91.0		T2B 500 L	546.00
500	150	128.0		T2B 500 N	768.00
500	200	131.0		T2B 500 P	786.00
500	300	185.0		T2B 500 T	1110.00
500	400	210.0		T2B 500 V	1260.00
500	500	258.0		T2B 505 O	1548.00
600	80	167.0		T2B 600 I	1002.00
600	100	167.0		T2B 600 L	1002.00
600	150	170.0		T2B 600 N	1020.00
600	200	172.0		T2B 600 P	1032.00
600	300	238.0		T2B 600 T	1428.00
600	400	268.0		T2B 600 V	1608.00
600	450	269.0		T2B 600 W	1614.00
600	500	350.0		T2B 600 X	2100.00
600	600	388.0		T2B 600 O	2328.00

700÷1000 DISPONIBILI SU RICHIESTA - TIPO AUTOMATICO TYTON
700÷1000 UPON REQUEST - PUSH FIT TYPE TYTON

SISTEMI ANTISFILAMENTO

RESTRAINING SYSTEMS

DISPOSITIVO ANTISFILAMENTO *Restraining system*



PER GIUNTI MECCANICI - FOR MECHANICAL JOINTS

RHE

DN	N. settori	codice	Euro
80	3	GSA 0800	114.30
100	3	GSA 1000	125.80
125	3	GSA 1250	152.50
150	4	GSA 1500	208.80
200	5	GSA 2000	247.00
250	6	GSA 2500	348.90
300	7	GSA 3000	407.90

GUARNIZIONE ANTISFILAMENTO (incluso anello di segnalazione) *Restraining gasket (including marking ring)*



INNESTO RAPIDO TIPO TYTON - TYTON JOINT

RHR

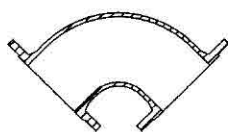
DN	codice	Euro
80	TYR 0800	33.00
100	TYR 1000	36.00
125	TYR 1250	48.00
150	TYR 1500	51.00
200	TYR 2000	105.00
250	TYR 2500	144.00
300	TYR 3000	225.00
350	TYR 3500	375.00
400	TYR 4000	525.00
500	TYR 5000	624.00
600	TYR 6000	675.00

GIUNTI FLANGIATI

FLANGED FITTINGS



CURVA 90°
BEND 90°



FLANGIA ORIENTABILE PN 10 - 16 - 25 REVOLVING FLANGE JOINT PN 10 - 16 - 25

RHO - PN 16

DN	Kg.	codice	Euro
50	8,0	GOO 050 0	40.00
60	8,0	GOO 060 0	40.00
65	8,0	GOO 066 0	40.00
80	9,6	GOO 080 0	43.30
100	11,7	GOO 100 0	55.40
125	18,2	GOO 125 0	87.60
150	22,0	GOO 150 0	97.20
200	32,0	GOO 200 0	136.90
250	53,0	GOO 250 0	336.60
300	75,0	GOO 300 0	403.80

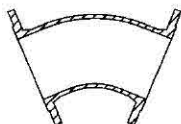
FLANGIA FISSA - FIX FLANGE PN 10 - 16

RHF

350	110.0	GOF 350 0	660.00
400	145.0	GOF 400 0	870.00
450	184.0	GOF 450 0	1104.00
500	242.0	GOF 500 0	1452.00
600	373.0	GOF 600 0	2238.00

700÷1000 DISPONIBILI SU RICHIESTA A FLANGE FISSE
700÷1000 UPON REQUEST - FIX FLANGES

GIUNTI FLANGIATI
FLANGED FITTINGS

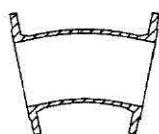
CURVA 45°
BEND 45°

FLANGIA ORIENTABILE PN 10 - 16 - 25
REVOLVING FLANGE JOINT PN 10 - 16 - 25
RHO - PN 16

DN	Kg.	codice	Euro
65	8,4	GYO 065 0	40.00
80	9,2	GYO 080 0	41.90
100	12,0	GYO 100 0	52.40
125	16,2	GYO 125 0	84.90
150	21,4	GYO 150 0	88.90
200	30,0	GYO 200 0	114.20
250	42,0	GYO 250 0	295.60
300	64,0	GYO 300 0	421.40

FLANGIA FISSA - FIX FLANGE PN 10 - 16
RHF

350	94.0	GYF 3500	564.00
400	122.0	GYF 4000	732.00
450	152.0	GYF 4500	912.00
500	200.0	GYF 5000	1200.00
600	304.0	GYF 6000	1824.00

700÷1000 DISPONIBILI SU RICHIESTA A FLANGE FISSE
 700÷1000 UPON REQUEST - FIX FLANGES


CURVA 22° 30'
BEND 22° 30'

FLANGIA ORIENTABILE PN 10 - 16 - 25
REVOLVING FLANGE JOINT PN 10 - 16 - 25
RHO - PN 16

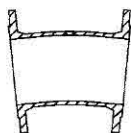
DN	Kg.	codice	Euro
80	9,0	GKO 080 0	38.80
100	12,0	GKO 100 0	50.50
125	16,0	GKO 125 0	75.50
150	21,0	GKO 150 0	84.20
200	30,0	GKO 200 0	111.30
250	38,0	GKO 250 0	238.20
300	52,0	GKO 300 0	340.00

FLANGIA FISSA - FIX FLANGE PN 10 - 16
RHF

350	82.0	GKF 3500	492.00
400	107.0	GKF 4000	642.00
450	135.0	GKF 4500	810.00
500	175.0	GKF 5000	1050.00
600	267.0	GKF 6000	1602.00

700÷1000 DISPONIBILI SU RICHIESTA A FLANGE FISSE
 700÷1000 UPON REQUEST - FIX FLANGES

GIUNTI FLANGIATI
FLANGED FITTINGS

CURVA 11° 15'
BEND 11° 15'

FLANGIA ORIENTABILE PN 10 - 16 - 25
REVOLVING FLANGE JOINT PN 10 - 16 - 25
RHO - PN 16

DN	Kg.	codice	Euro
80	9,0	GJO 080 0	42.20
100	11,0	GJO 100 0	47.60
125	16,0	GJO 125 0	74.10
150	19,0	GJO 150 0	82.70
200	27,0	GJO 200 0	109.30
250	39,0	GJO 250 0	214.50
300	52,0	GJO 300 0	288.90

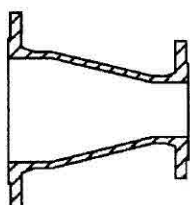
FLANGIA FISSA - FIX FLANGE PN 10 - 16
RHF

350	72.0	GJF 3500	432.00
400	87.0	GJF 4000	522.00
450	136.0	GJF 4500	816.00
500	177.0	GJF 5000	1062.00
600	268.0	GJF 6000	1608.00

700÷1000 DISPONIBILI SU RICHIESTA A FLANGE FISSE

700÷1000 UPON REQUEST - FIX FLANGES

GIUNTI FLANGIATI
FLANGED FITTINGS

RIDUZIONE
CONCENTRIC REDUCER

FLANGIA ORIENTABILE PN 10 - 16 - 25
REVOLVING FLANGE JOINT PN 10 - 16 - 25
RHO - PN 16

DN	dn	Kg.		codice	Euro
65	50	5,5		<i>RCO 065 G</i>	36.90
80	50	6,6		<i>RCO 080 G</i>	36.90
80	65	7,5		<i>RCO 080 H</i>	39.10
100	50	8,0		<i>RCO 100 G</i>	49.30
100	60	8,4		<i>RCO 100 J</i>	49.30
100	65	8,4		<i>RCO 100 H</i>	49.30
100	80	9		<i>RCO 100 I</i>	49.30
125	80	11,0		<i>RCO 125 I</i>	58.20
125	100	11,0		<i>RCO 125 L</i>	58.20
150	80	14,0		<i>RCO 150 I</i>	63.50
150	100	15,0		<i>RCO 150 L</i>	70.10
150	125	18,0		<i>RCO 150 M</i>	88.10
200	80	21,0		<i>RCO 200 I</i>	86.10
200	100	20,0		<i>RCO 200 L</i>	91.60
200	150	21,0		<i>RCO 200 N</i>	105.80
250	100	30,0		<i>RCO 250 L</i>	207.10
250	150	30,0		<i>RCO 250 N</i>	207.10
250	200	30,0		<i>RCO 250 P</i>	207.10
300	100	41,0		<i>RCO 300 L</i>	250.60
300	150	42,0		<i>RCO 300 N</i>	250.60
300	200	41,0		<i>RCO 300 P</i>	250.60
300	250	39,0		<i>RCO 300 Q</i>	250.60

FLANGIA FISSA - FIX FLANGE PN 10 - 16
RHF

350	200	61.0		<i>RCF 350 P</i>	366.00
350	300	52.0		<i>RCF 350 T</i>	312.00
400	200	74.0		<i>RCF 400 P</i>	444.00
400	250	77.0		<i>RCF 400 Q</i>	462.00
400	300	84.0		<i>RCF 400 T</i>	504.00
400	350	67.0		<i>RCF 400 U</i>	402.00
450	300	95.0		<i>RCF 450 T</i>	570.00
450	400	81.0		<i>RCF 450 V</i>	486.00
500	300	111.0		<i>RCF 500 T</i>	666.00
500	400	130.0		<i>RCF 500 V</i>	780.00
600	400	164.0		<i>RCF 600 V</i>	984.00
600	500	190.0		<i>RCF 600 X</i>	1140.00

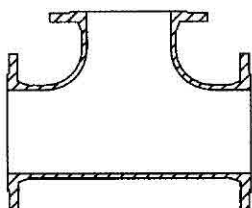
700 ÷ 1000
 DISPONIBILI SU RICHIESTA
 A FLANGE FISSE

700 ÷ 1000
 UPON REQUEST - FIX FLANGES

GIUNTI FLANGIATI FLANGED FITTINGS



TEE a 3 flange ALL FLANGE TEE



FLANGIA ORIENTABILE PN 10 - 16 - 25 REVOLVING FLANGE JOINT PN 10 - 16 - 25

RHO - PN 16

DN	dn	Kg.		codice	Euro
50	50	8,5		T3O 050 O	56.60
60	60	9,0		T3O 060 O	56.60
65	65	9,3		T3O 065 O	56.60
80	50	10,3		T3O 080 F	68.30
80	65	12,0		T3O 080 H	68.30
80	80	16,0		T3O 080 O	68.30
100	50	14,2		T3O 100 F	78.20
100	65	15,0		T3O 100 H	78.20
100	80	18,0		T3O 100 I	78.20
100	100	19,0		T3O 100 O	84.50
125	80	19,0		T3O 125 I	108.20
125	100	21,0		T3O 125 L	110.50
125	125	25,0		T3O 125 O	116.40
150	65	24,2		T3O 150 H	122.40
150	80	27,0		T3O 150 I	124.40
150	100	29,0		T3O 150 L	127.70
150	125	34,0		T3O 150 M	144.40
150	150	34,0		T3O 150 O	144.40
200	65	30,0		T3O 200 H	153.50
200	80	37,0		T3O 200 I	158.40
200	100	39,0		T3O 200 L	169.60
200	150	44,0		T3O 200 N	190.80
200	200	49,0		T3O 200 O	210.70
250	80	51,0		T3O 250 I	314.40
250	100	56,0		T3O 250 L	314.40
250	150	61,0		T3O 250 N	314.40
250	200	68,0		T3O 250 P	314.40
250	250	80,0		T3O 250 O	356.40
300	80	67,0		T3O 300 I	441.60
300	100	71,0		T3O 300 L	441.60
300	150	78,0		T3O 300 N	441.60
300	200	85,0		T3O 300 P	441.60
300	250	95,0		T3O 300 Q	441.60
300	300	105,0		T3O 300 O	486.30

FLANGIA FISSA - FIX FLANGE PN 10 - 16

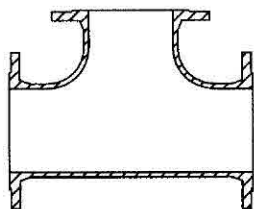
RHF

350	150	135.0		T3F 350 N	810.00
350	300	158.0		T3F 350 T	948.00
350	350	167.0		T3F 350 O	1002.00
400	200	159.0		T3F 400 P	954.00
400	250	161.0		T3F 400 Q	966.00
400	300	177.0		T3F 400 T	1062.00
400	400	194.0		T3F 400 O	1164.00

700 ÷ 1000
DISPONIBILI SU RICHIESTA
A FLANGE FISSE

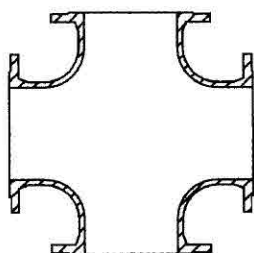
700 ÷ 1000
UPON REQUEST - FIX FLANGES

GIUNTI FLANGIATI
FLANGED FITTINGS

TEE a 3 flange
ALL FLANGE TEE

RHF

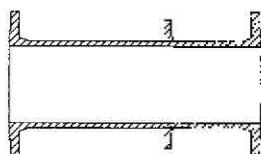
DN	dn	Kg.		codice	Euro
FLANGIA FISSA - FIX FLANGE PN 10 - 16					
450	300	213.0		T3F 450 T	1278.00
450	400	229.0		T3F 450 V	1374.00
450	450	237.0		T3F 450 O	1422.00
500	200	245.0		T3F 500 P	1470.00
500	300	279.0		T3F 500 T	1674.00
500	400	290.0		T3F 500 V	1740.00
500	500	304.0		T3F 500 O	1824.00
600	300	369.0		T3F 600 T	2214.00
600	400	390.0		TRF 600 V	2348.00
600	500	408.0		T3F 600 X	2448.00
600	600	491.0		T3F 600 O	2946.00

 700÷1000 DISPONIBILI SU RICHIESTA A FLANGE FISSE
 700÷1000 UPON REQUEST - FIX FLANGES

CROCE a 4 flange
ALL FLANGE CROSS

FLANGIA ORIENTABILE PN 10 - 16 - 25
REVOLVING FLANGE JOINT PN 10 - 16 - 25
RHO - PN 16

DN		Kg.		codice	Euro
65		16,0		CRO 0650	111.60
80		20,0		CRO 0800	115.90
100		24,0		CRO 1000	130.90
150		48,0		CRO 1500	250.20
200		58,0		CRO 2000	314.50
250		100,0		CRO 2500	528.30
300		132,0		CRO 3000	700.30

 700÷1000 DISPONIBILI SU RICHIESTA A FLANGE FISSE
 700÷1000 UPON REQUEST - FIX FLANGES

TRONCHETTI FLANGIATI
PASSAPARETE
FLANGED SPIGOT PIPE
WHIT PUDDLE FLANGE

FLANGIA ORIENTABILE PN 10 - 16 - 25
REVOLVING FLANGE JOINT PN 10 - 16 - 25
RHO - PN 16

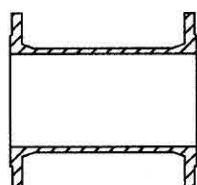
DN	L mm	Kg.		codice	Euro
80	800	21,5		PAO 0800	248.00
100	800	22,3		PAO 1000	266.80
150	800	35,8		PAO 1500	398.90
200	800	45,5		PAO 2000	522.90
250	800	72,4		PAO 2500	690.00
300	800	110,2		PAO 3000	981.00

 350÷1000 DISPONIBILI SU RICHIESTA A FLANGE FISSE
 350÷1000 UPON REQUEST - FIX FLANGES

GIUNTI FLANGIATI FLANGED FITTINGS



TRONCHETTI FLANGIATI REVOLVING DOUBLE FLANGED PIPE



FLANGIA ORIENTABILE PN 10 - 16 - 25 REVOLVING FLANGE JOINT PN 10 - 16 - 25

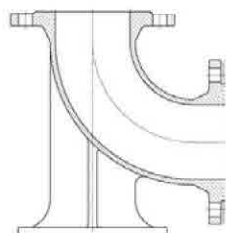
RHO - PN 16

DN	L mm	Kg.		codice	Euro
80	100	7,0		TAO 080 100	49.40
80	150	8,0		TAO 080 150	52.70
80	200	8,0		TAO 080 200	55.20
80	250	9,0		TAO 080 250	61.10
80	300	10,0		TAO 080 300	63.00
80	400	11,0		TAO 080 400	75.80
80	500	12,0		TAO 080 500	79.30
80	1000	19,0		TAO 080 1000	105.30
100	100	9,0		TAO 100 100	59.80
100	150	9,0		TAO 100 150	64.70
100	200	10,0		TAO 100 200	68.00
100	250	11,0		TAO 100 250	69.40
100	300	12,0		TAO 100 300	70.90
100	400	14,0		TAO 100 400	78.30
100	500	15,0		TAO 100 500	89.80
100	1000	24,0		TAO 100 1000	145.90
150	100	13,0		TAO 150 100	98.40
150	200	15,5		TAO 150 200	109.60
150	300	18,0		TAO 150 300	127.30
150	500	22,8		TAO 150 500	158.20
150	1000	39,0		TAO 150 1000	238.10
200	500	33,0		TAO 200 500	230.70
200	1000	53,0		TAO 200 1000	369.60
250	500	41,4		TAO 250 500	245.50
250	1000	62,0		TAO 250 1000	393.80
300	500	71,2		TAO 300 500	319.00
300	1000	97,0		TAO 300 1000	510.40

FLANGIA FISSA - FIX FLANGE PN 10 - 16

400	500	143.0		TAO 400 500	858.00
500	500	215.0		TAO 500 500	1290.00
600	500	292.0		TAO 600 500	1752.00

700÷1000 DISPONIBILI SU RICHIESTA A FLANGE FISSE
700÷1000 UPON REQUEST - FIX FLANGES

GIUNTI FLANGIATI
FLANGED FITTINGS
CURVA D'IDRANTE
FLANGIATA
DUCK FOOT BEND

RHF - PN 16

DN	dn	Kg.			codice	Euro
65	65	11.6			DFE 0650	58.00
80	80	13.4			DFE 0800	67.00
100	100	16.8			DFE 1000	84.00
125	125	22.0			DFE 1250	110.00
150	150	29.5			DFE 1500	145.00
200	200	45.5			DFE 2000	225.00
250	250	72.5			DFE 2500	360.00
300	300	103.0			DFE 3000	490.00

FLANGIA CIECA
BLANCK FLANGE

RHO - PN 16

DN		Kg.			codice	Euro
50		2,7			FCF 0500	15.20
60		2,9			FCF 0600	16.20
65		2,9			FCF 0650	16.50
80		3,8			FCF 0800	15.40
100		4,5			FCF 1000	19.00
125		4,9			FCF 1250	32.40
150		5,9			FCF 1500	34.00
200		10,8			FCF 2000	48.20
250		17,0			FCF 2500	135.40
300		23,5			FCF 3000	166.40
400		44,0			FCF 4000	255.40

 450 ÷ 1000 DISPONIBILI SU RICHIESTA
 450 ÷ 1000 UPON REQUEST

FLANGIA CIECA
FILETTATA
BLANCK FLANGE
THREADED

RHO - PN 16

DN	Filetto/Thread	Kg.		codice	Euro
50	2"	2,7		FCH 050 G	17.70
65	2" - 2"½	2,9		FCH 060 ...	19.80
80	1" - 1"¼ - 1"½ - 2" - 2"½ - 3"	2,9		FCH 065 ...	19.80
100	1" - 1"¼ - 1"½ - 2" - 2"½ - 3" - 4"	3,8		FCH 080 ...	22.40
125	2"	4,5		FCH 100 G	38.30
150	1" - 2"	4,9		FCH 125 ...	40.70
200	2"	5,9		FCH 150 G	55.70
250	2"	10,8		FCH 200 G	155.10
300	2"	17,0		FCH 250 G	191.40

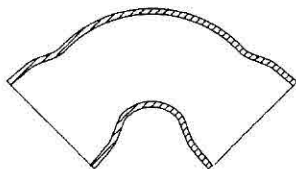
 350 ÷ 1000 DISPONIBILI SU RICHIESTA
 350 ÷ 1000 UPON REQUEST

GIUNTI PER TUBI PVC - PE

JOINTS FOR PVC - PE PIPES



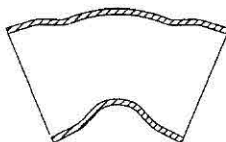

CURVA 90°
BEND 90°


RHP - PN 16

d	Kg.	codice	Euro
63	3,3	GOP 0630	16.60
75	4.5	GOP 0750	21.90
90	6.0	GOP 0900	29.20
110	8.2	GOP 1100	38.50
125	11.0	GOP 1250	51.50
160	16.8	GOP 1600	77.50
200	27.2	GOP 2000	126.90
225	42.0	GOP 2250	190.50
250	42.0	GOP 2500	196.60
280	48.0	GOP 2800	226.60
315	66.0	GOP 3150	330.00
400	80.0	GOP 4000	759.00

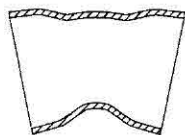


CURVA 45°
BEND 45°

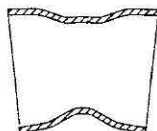

RHP - PN 16

d	Kg.	codice	Euro
63	3.0	GYP 0630	15.40
75	4.2	GYP 0750	20.80
90	4.8	GYP 0900	24.00
110	7.1	GYP 1100	33.50
125	8.3	GYP 1250	40.00
160	12.9	GYP 1600	60.60
200	18.5	GYP 2000	91.00
225	24.2	GYP 2250	114.80
250	39.0	GYP 2500	178.10
280	52,0	GYP 2800	229.00
315	58.0	GYP 3150	259.90

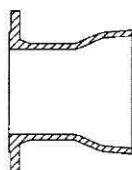
GIUNTI PER TUBI PVC - PE
JOINTS FOR PVC - PE PIPES

CURVA 22° 30'
BEND 22° 30'

RHP - PN 16

d	Kg.	codice	Euro
63	2.7	GKP 0630	14.00
75	3.8	GKP 0750	19.10
90	4.8	GKP 0900	23.70
110	6.3	GKP 1100	30.40
125	6.5	GKP 1250	33.10
160	11.6	GKP 1600	55.30
200	16.2	GKP 2000	81.30
225	23.7	GKP 2250	110.70
250	34.0	GKP 2500	159.00
315	51.0	GKP 3150	233.00

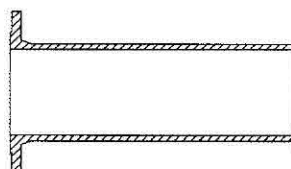

CURVA 11° 15'
BEND 11° 15'

RHP - PN 16

d	Kg.	codice	Euro
63	2.5	GJP 0630	13.40
75	3.7	GJP 0750	18.80
90	4.5	GJP 0900	22.50
110	5.9	GJP 1100	28.70
125	7.5	GJP 1250	36.30
160	11.0	GJP 1600	52.60
200	17.5	GJP 2000	84.60
225	23.5	GJP 2250	110.10
250	27.0	GJP 2500	131.70
315	49.0	GJP 3150	223.50

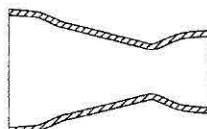

TAZZA
Flange - Socket

RHP - PN 16

d	DN	Kg.	codice	Euro
63	50	3.4	TBP 063 G	15.70
75	65	4.5	TBP 075 H	21.00
90	80	5.2	TBP 090 I	23.70
110	100	5.6	TBP 110 L	25.80
140	125	7.7	TBP 140 M	35.70
160	150	9.5	TBP 160 N	43.30
200	200	16.0	TBP 200 P	71.70
225	200	16.0	TBP 2250 P	89.90
250	250	28.0	TBP 250 Q	121.10
280	250	24.0	TBP 2800 R	123.80
315	300	35.0	TBP 3150 T	152.70
400	400	72.0	TBP 4000 O	309.10

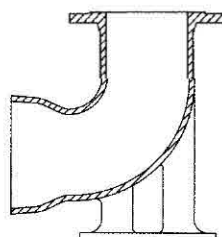
GIUNTI PER TUBI PVC - PE
JOINTS FOR PVC - PE PIPES

RHP - PN 16
IMBOCCO
Flange - Spigot


d	DN	Kg.			codice	Euro
63	50	3.8			MBP 0630	19.50
75	65	5.0			MBP 0750	25.20
90	80	5.0			MBP 0900	26.10
110	100	7.0			MBP 1100	35.90
160	150	10.0			MBP 1600	52.10
200	200	14.5			MBP 2000	75.70
225	200	17.0			MBP 2250	88.00
250	250	25.0			MBP 2500	126.50
280	250	27.8			MBP 2800	140.40
315	300	37.0			MBP 3150	189.60


RHP - PN 16
RIDUZIONE
Concentric reducer


d	DN	Kg.			codice	Euro
110	75	4.5			RCP 110 H	27.20
160	110	8.0			RCP 160 L	47.00
200	110	13.0			RCP 200 L	74.00
225	160	17.0			RCP 225 O	96.20
250	160	21.4			RCP 250 O	120.10
250	225	27.8			RCP 250 Q	154.00

CURVA D'IDRANTE
FLANGIATA
RHP - PN 16
Duck foot bend


d	DN	Kg.			codice	Euro
90	80	12.0			DFP 090 I	54.10
110	80	15.0			DFP 110 I	65.30
160	80	20.5			DFP 160 I	93.10

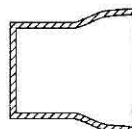
GIUNTI PER TUBI PVC - PE
JOINTS FOR PVC - PE PIPES


MANICOTTO
a 2 bicchieri
Double socket collar

RHP - PN 16

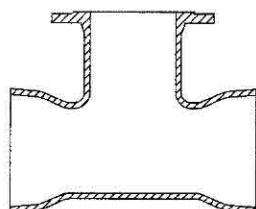

d	DN	Kg.			codice	Euro
90	90	7,0			M2P 0900	33.00
110	110	10,0			M2P 1100	45.50
160	160	16,0			M2P 1600	72.90

C
TAPPO
Cap

RHP - PN 16


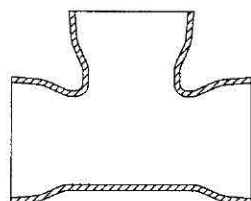
d		Kg.			codice	Euro
90		3,0			CAP 090	13.60
110		4,0			CAP 110	18.00
160		6,0			CAP 160	29.00

GIUNTI PER TUBI PVC - PE
JOINTS FOR PVC - PE PIPES

TEE
a 2 bicchieri e flangia
Flange on socket TEE

RHP - PN 16

d	deriv	Kg.			codice	Euro
63	50	6,5			T2P 063 G	28.30
75	65	7,6			T2P 075 H	33.00
90	50	9,5			T2P 090 G	41.00
90	80	10,8			T2P 090 I	46.00
110	50	11,0			T2P 110 G	47.20
110	65	10,0			T2P 110 H	44.30
110	80	12,0			T2P 110 I	52.00
110	100	12,5			T2P 110 L	54.00
140	80	16,5			T2P 140 I	71.70
140	100	16,9			T2P 140 L	73.90
160	50	12,8			T2P 160 G	59.90
160	65	14,6			T2P 160 H	67.20
160	80	20,2			T2P 160 I	87.90
160	100	21,5			T2P 160 L	93.10
160	150	28,6			T2P 160 N	120.00
200	80	27,0			T2P 200 I	119.80
200	100	29,0			T2P 200 L	127.60
200	150	34,0			T2P 200 N	147.40
200	200	40,0			T2P 200 P	170.60
225	65	27,0			T2P 225 H	122.40
225	80	28,0			T2P 225 I	127.00
225	100	28,5			T2P 225 L	129.60
225	200	40,0			T2P 225 P	174.80
250	80	37,0			T2P 250 I	166.00
250	100	38,0			T2P 250 L	170.50
250	150	43,0			T2P 250 N	190.60
250	200	56,0			T2P 250 P	239.80
250	250	66,0			T2P 250 Q	277.50
280	100	35,0			T2P 280 L	188.10
315	80	50,9			T2P 315 I	226.40
315	100	47,0			T2P 315 L	213.60
315	150	55,0			T2P 315 N	245.00
315	200	77,0			T2P 315 P	326.60
315	250	69,5			T2P 315 Q	328.30
315	300	76,0			T2P 315 T	351.00

GIUNTI PER TUBI PVC - PE
JOINTS FOR PVC - PE PIPES

TEE a 3 bicchieri
All socket TEE
RHP - PN 16


d	DN	Kg.		codice	Euro
75	75	5,5		T3P 075 H	27.10
90	80	6,5		T3P 090 I	42.20
110	63	7,0		T3P 110 G	35.00
110	75	7,7		T3P 110 H	38.00
110	90	8,0		T3P 110 I	39.90
110	110	9,0		T3P 110 L	44.00
140	110	14,0		T3P 140 L	67.40
140	140	17,0		T3P 140 N	81.20
160	63	11,0		T3P 160 G	55.60
160	75	11,2		T3P 160 H	56.80
160	90	12,0		T3P 160 I	60.20
160	110	14,0		T3P 160 L	68.20
160	160	17,0		T3P 160 O	82.30
200	110	20,3		T3P 200 L	98.70
200	160	23,1		T3P 200 O	112.30
200	200	24,0		T3P 200 P	134.70
225	75	24,0		T3P 225 H	113.00
225	110	26,9		T3P 225 L	125.20
225	160	32,0		T3P 225 O	147.20
225	225	40,0		T3P 225 R	182.60
250	160	52,0		T3P 250 O	226.60
250	200	54,0		T3P 250 P	238.80
250	225	49,2		T3P 250 R	241.30
250	250	51,0		T3P 250 Q	246.30
315	110	38,0		T3P 315 L	195.20
315	160	43,0		T3P 315 O	229.10
315	315	63,0		T3P 315 T	296.40