

The background features a stylized American flag with stars and stripes, set against a dark field with white technical lines and circular patterns. A large, glowing yellow liquid splash is at the bottom. The logo 'FBB' is in a bold, yellow, sans-serif font, with 'Hydraulic' in white below it.

FBB

Hydraulic

DRY-FIT ONE PIECE
Fittings

DRY-SPIRAL ONE PIECE
Fittings

WATERBLAST
Fittings



website: www.fb-channel.net

Edition USA: 2018

The future follows Us

F.B. Hydraulic is a leading company in the production of hydraulic fittings, assembled hoses and rigid pipes.

F.B. Hydraulic, azienda leader nella produzione di raccorderia per oleodinamica, nell'assemblaggio di tubi flessibili raccordati e tubi rigidi sagomati.



**DRY-FIT ONE PIECE FITTINGS
WIRE BRAIDED HOSES
RACCORDI DRY-FIT ONE PIECE
PER TUBI TRECCIATI**



**DRY-SPIRAL ONE PIECE FITTINGS
SPIRAL HOSES
RACCORDI DRY-SPIRAL ONE PIECE
PER TUBI SPIRALATI**



**WATERBLAST FITTINGS
RACCORDI WATERBLAST**



TECHNICAL SHEETS

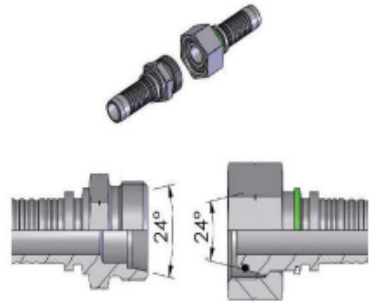
TECHNICAL SHEETS
SCHEDE TECNICHE



METRIC - METRICO 24°

LIGHT - SERIE LEGGERA

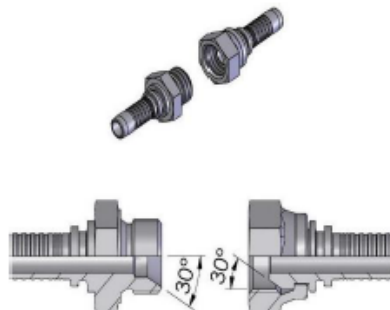
Ref.	Thread Filettatura	Torque - Coppie Nm -0% +10%	Working pressure Pressione di esercizio ISO 8434-1
06	12 x 1,5	20	250
08	14 x 1,5	25	250
10	16 x 1,5	35	250
12	18 x 1,5	40	250
15	22 x 1,5	50	250
18	26 x 1,5	60	160
22	30 x 2	80	160
28	36 x 2	140	100
35	45 x 2	175	100
42	52 x 2	190	100



HEAVY - SERIE PESANTE

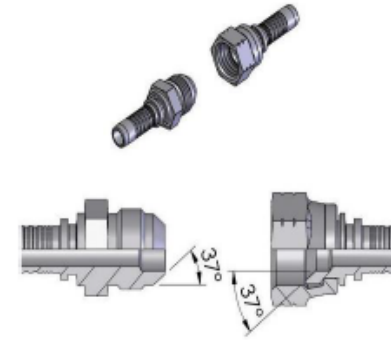
Ref.	Thread Filettatura	Torque - Coppie Nm -0% +10%	Working pressure Pressione di esercizio ISO 8434-1
06	14 x 1,5	30	630
08	16 x 1,5	30	630
10	18 x 1,5	40	630
12	20 x 1,5	50	630
14	22 x 1,5	60	630
16	24 x 1,5	80	400
20	30 x 2	100	400
25	36 x 2	140	400
30	42 x 2	180	250
38	52 x 2	220	250

BSP 60°



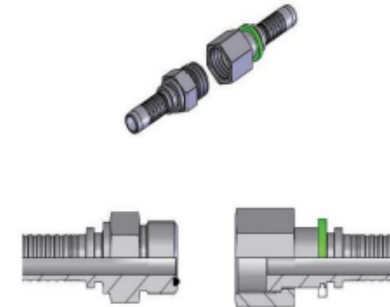
Ref.	Thread Filettatura	Torque - Coppie Nm -0% +10%	Working pressure Pressione di esercizio ISO 8434-6
1/8-28	1/8-28	10	350
1/4-19	1/4-19	20	350
3/8-19	3/8-19	35	350
1/2-14	1/2-14	60	315
5/8-14	5/8-14	70	315
3/4-14	3/4-14	115	250
1"-11	1"-11	140	200
1 1/4-11	1 1/4-11	210	160
1 1/2-11	1 1/2-11	290	125
2"	2"	-	80

JIC 37°



Ref.	Thread Filettatura	Torque - Coppie Nm -0% +10%	Working pressure Pressione di esercizio ISO 8434-2
7/16-20	7/16-20	15	350
1/2-20	1/2-20	19	350
9/16-18	9/16-18	24	350
3/4-18	3/4-18	49	310
7/8-14	7/8-14	77	240
1 1/16-12	1 1/16-12	107	240
1 3/16-12	1 3/16-12	118	210
1 5/16-12	1 5/16-12	147	210
1 7/8-12	1 7/8-12	172	170
1 7/8-12	1 7/8-12	215	140
2 1/2	2 1/2	-	105

ORFS

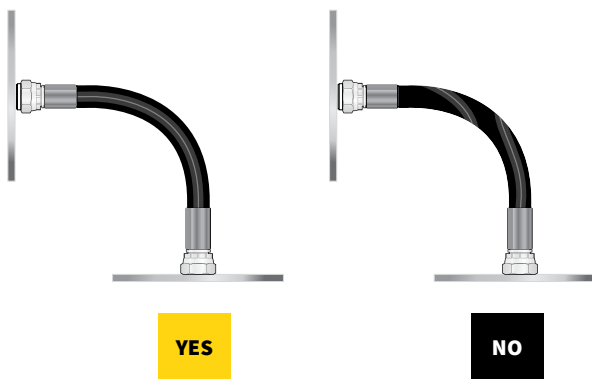


Ref.	Thread Filettatura	Torque - Coppie Nm -0% +10%	Working pressure Pressione di esercizio ISO 8434-3
9/16-18	9/16-18	25	630
11/16-16	11/16-16	40	630
13/16-16	13/16-16	55	630
1"-14	1"-14	60	400
1 3/16-12	1 3/16-12	90	400
1 7/16-12	1 7/16-12	125	400
1 11/16-12	1 11/16-12	170	250
2"-12	2"-12	200	250

METRIC - METRICO 60°



Ref.	Thread Filettatura	Torque - Coppie Nm -0% +10%
M10X1	M10X1	10
M12X1,5	M12X1,5	20
M14X1,5	M14X1,5	45
M16X1,5	M16X1,5	55
M18X1,5	M18X1,5	70
M20X1,5	M20X1,5	80
M22X1,5	M22X1,5	80
M26X1,5	M26X1,5	80
M30X1,5	M30X1,5	100

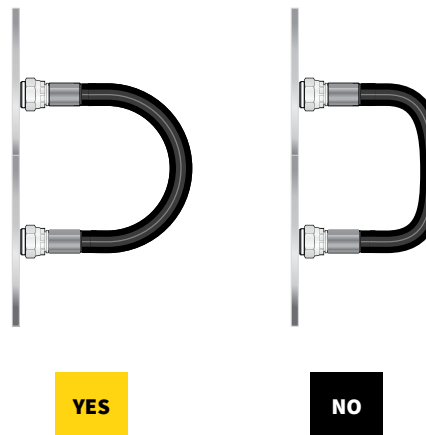


TORSION

Avoid twisting the hose. Hoses must be installed in such a way that there are no harsh conditions that may reduce the normal life of the hose.

TORSIONE

Evitare qualsiasi tipo di torsione. È importante accertarsi che non si verifichino situazioni gravose che possano compromettere e ridurre la normale durata del flessibile.

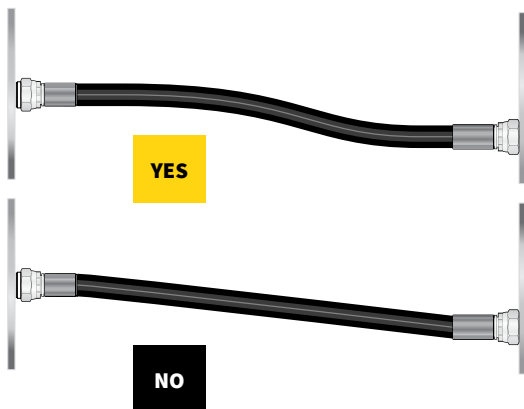


BENDING RADIUS

Check that the hose, when installed, has not a smaller bending radius than reported in the respective data sheet.

RAGGIO DI CURVATURA

Controllare che il flessibile, non operi ad un raggio di curvatura minore rispetto a quello riportato nella rispettiva scheda tecnica.

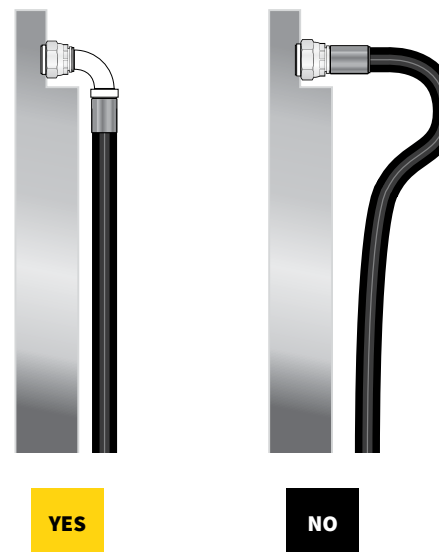


LENGTH VARIATIONS

Do not install the hose too tightly. During the aging process and various movements there can occur length variations. It is appropriate to calculate a length slightly bigger than requested. We remind you that the DIN and SAE provide that the hose under pressure can get longer (max 2%) or even shorter (max 4%).

VARIAZIONE DI LUNGHEZZA

Evitare montaggi in tensione. Nel tempo e durante i vari movimenti si possono verificare delle variazioni di lunghezza. È opportuno calcolare una lunghezza leggermente superiore a quella teorica. Le norme DIN e SAE prevedono che il tubo sottoposto alla pressione di esercizio possa subire un allungamento (max +2%) o un accorciamento (max -4%).

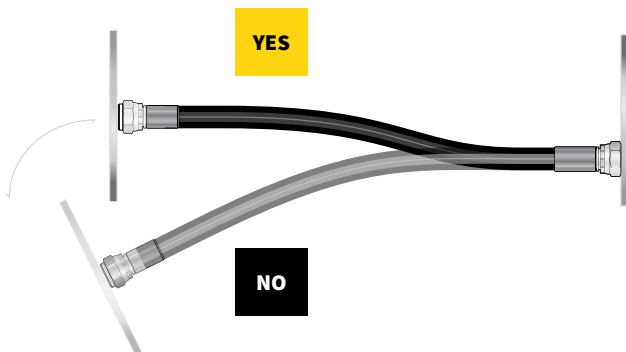


CHOICE OF FITTINGS

We recommend to choose the most appropriate type of fitting in order to eliminate any incorrect positions.

SCelta DEL RACCORDO

Nella scelta del tipo di raccordo è opportuno considerare la tipologia più indicata al fine si eliminare eventuali posizionamenti non corretti.



ASSEMBLED HOSE IN MOTION

In the case of motion, take particularly care to avoid any twisting, tensions or abrasions which are dangerous for the normal operation.

FLESSIBILE IN MOVIMENTO

Nel caso di flessibili in movimento, fare particolare attenzione ad evitare eventuali torsioni, tensioni o abrasioni dannose per il normale funzionamento.

Surface treatment

FB Hydraulic, inside its own R&D department, has installed a test bench to realize salt spray test according to the normative UNI EN ISO 9227 (NNS, neutral salt spray).

FB develops and verifies new types of treatments looking for the continuous improvement of the coefficient of friction, of the distribution, of the thickness of layers and the visual quality of its products.

Zinc coating

The galvanizing process deposits on the steel layers of material which increase the corrosion resistance:

- Zinc deposit
- Passivation CrIII
- Sealer

The total thickness of these deposits is:

- Fittings 8-10 μm
- Ferrules 10-12 μm

Performances

The zinc coating on the surface has the following corrosion resistance, according to

UNI ISO 9227:

- MIN 100 h before the appearance of the outbreaks of white corrosion
- MIN 350 h before the appearance of the outbreaks of red corrosion

Trattamento superficiale

FB Hydraulic, all'interno del proprio centro R&D, ha installato un banco prova per realizzare test in nebbia salina in accordo alla normativa **UNI EN ISO 9227** (NNS, nebbia salina neutra).

FB sviluppa e verifica nuovi tipi di trattamenti ricercando il miglioramento continuo del coefficiente di attrito, della distribuzione, dello spessore e della qualità visiva dei propri prodotti.

Zincatura

Il processo di zincatura deposita sull'acciaio strati di materiale che aumentano la resistenza alla corrosione:

- Deposito di zinco
- Passivazione cromo trivalente
- Sigillatura

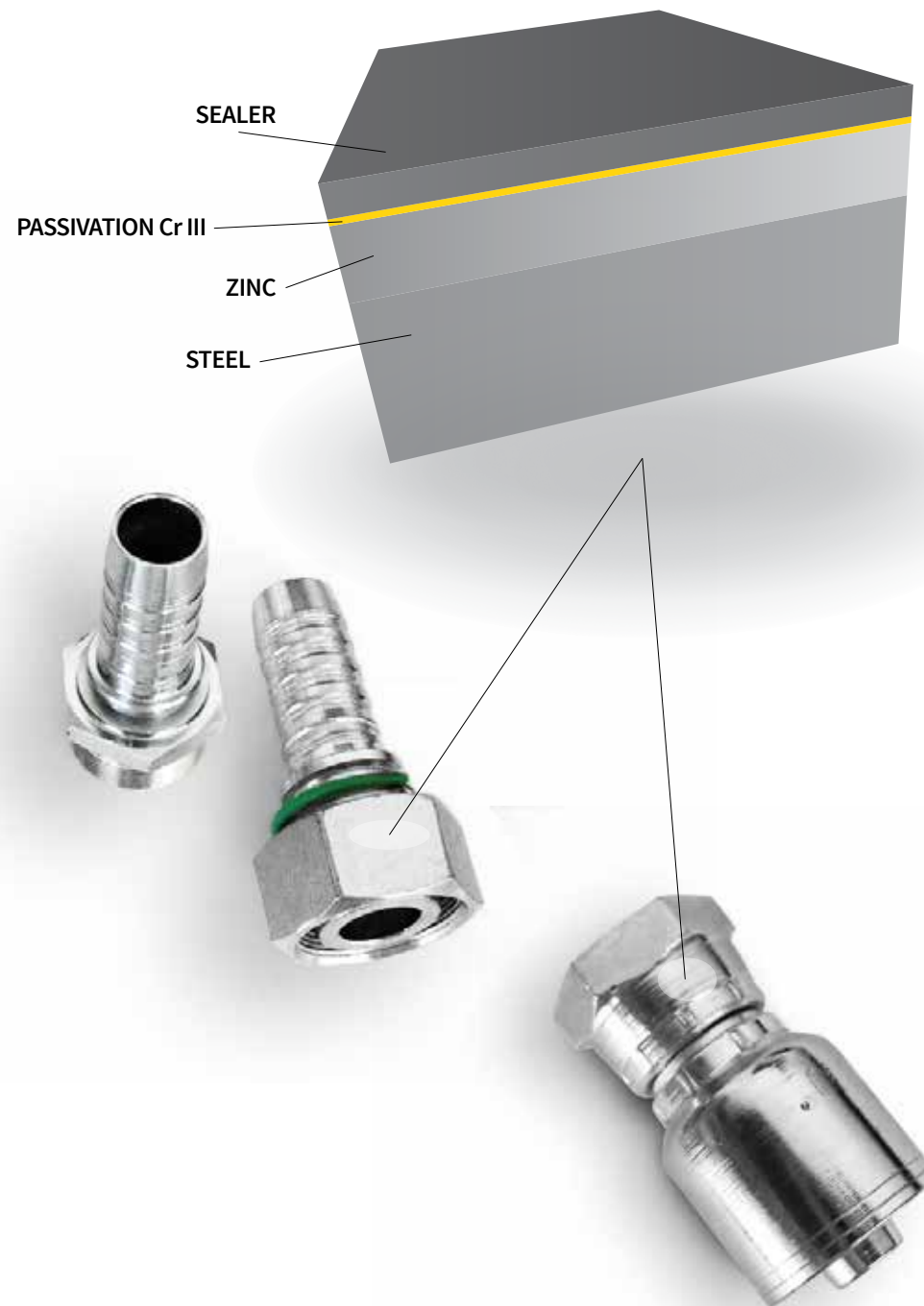
Lo spessore totale di questi depositi è:

- Raccordi 8-10 μm
- Boccole 10-12 μm

Prestazioni

La zincatura superficiale ha la seguente resistenza alla corrosione, secondo **UNI ISO 9227:**

- MIN 100 h prima della comparsa dei focolai di corrosione bianca
- MIN 350 h prima della comparsa dei focolai di corrosione rossa



CATALOGUE

PRODUCTS CATALOGUE
CATALOGO PRODOTTI

|



Catalogue website: www.fb-channel.net/catalogo.html

**1e DRY-FIT ONE PIECE FITTINGS WIRE BRAIDED HOSES
RACCORDI DRY-FIT ONE PIECE PER TUBI TRECCIATI**



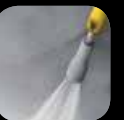
2

**1d DRY-SPIRAL ONE PIECE FITTINGS SPIRAL HOSES
RACCORDI DRY-SPIRAL ONE PIECE PER TUBI SPIRALATI**



70

**1f WATERBLAST FITTINGS
RACCORDI WATERBLAST**



104

DRY-FIT ONE-PIECE

The **ONE-PIECE** range is characterized by the **DRY-FIT** profile which guarantees high reliability and from a no skive ferrule suitable for the most common 1 and 2 wires braided hoses on the market.

The main advantages of **DRY-FIT ONE-PIECE**:

- Slows down the aging process and hardening of the inner lining.
- Increases the resistance of the bent hose.
- Eliminates leakages of a cooled hose.
- Easy to crimp.

Maximum functionality on the hoses:

- SAE 100 R1/2T
- SAE 100 R17/R16S
- DIN EN 853 1/2SN
- DIN EN 857 1/2SC
- 1/2SNK PREMIUM

La gamma **ONE-PIECE** è caratterizzata dal profilo **DRY-FIT** da cui ne deriva una grande affidabilità e da una boccia no skive adatta ai più comuni tubi 1 e 2 trecce presenti sul mercato.

I principali vantaggi del **DRY-FIT ONE-PIECE** :

- Rallenta il processo di invecchiamento e indurimento del sottostrato
- Aumenta la resistenza del tubo in flessione.
- Elimina i trafiletti a freddo.
- Semplifica la pressatura.

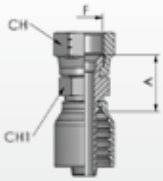
Massima funzionalità sui tubi:

- SAE 100 R1/2T
- SAE 100 R17/R16S
- DIN EN 853 1/2SN
- DIN EN 857 1/2SC
- 1/2SNK PREMIUM

DRY-FIT ONE PIECE FITTINGS
RACCORDI DRY-FIT ONE PIECE
WIRE BRAIDED HOSES - PER TUBI TRECCIATI



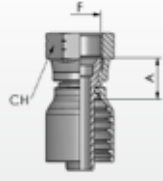
UBFJDE



8

DKJ - JIC FEMALE DOUBLE HEXAGON, 37° CONE
DKJ - FEMMINA DOPPIO ESAGONO, CONO 37°

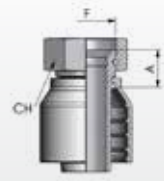
UBFJ



9

DKJ - JIC FEMALE, 37° CONE
DKJ - FEMMINA JIC, CONO 37°

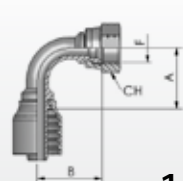
UBPFJ



10

DKJ - JIC FEMALE THRUST WIRE NUT, 37° CONE
DKJ - FEMMINA JIC DADO SPINATO, CONO 37°

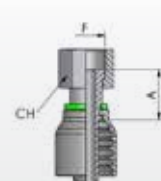
UBC90J



11

DKJ 90° - JIC FEMALE 90°, 37° CONE
DKJ 90° - FEMMINA 90° JIC, CONO 37°

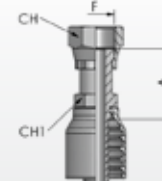
UBFORFS



24

DKO - ORFS FEMALE
DKO - FEMMINA ORFS

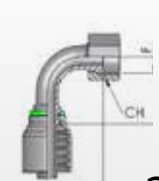
UBFORFSDE



25

DKO - ORFS FEMALE DOUBLE HEXAGON
DKO - FEMMINA DOPPIO ESAGONO ORFS

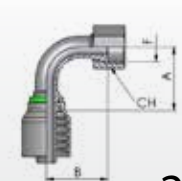
UBC90ORFS



26

DKO 90° - ORFS FEMALE 90°
DKO 90° - FEMMINA 90° ORFS

UBCM90ORFS



27

DKO 90° - ORFS MEDIUM FEMALE 90°
DKO 90° - FEMMINA 90° ORFS MEDIA

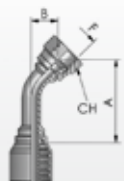
UBPC90J



12

DKJ 90° - JIC FEMALE 90° THRUST WIRE NUT, 37° CONE
DKJ 90° - FEMMINA 90° JIC DADO SPINATO, CONO 37°

UBC45J



13

DKJ 45° - JIC FEMALE 45°, 37° CONE
DKJ 45° - FEMMINA 45° JIC, CONO 37°

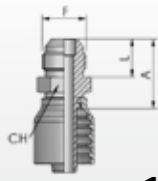
UBPC45J



14

DKJ 45° - JIC FEMALE 45° THRUST WIRE NUT, 37° CONE
DKJ 45° - FEMMINA 45° JIC DADO SPINATO, CONO 37°

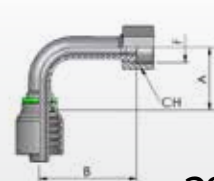
UBMJ



15

AGJ - JIC MALE, 37° CONE
AGJ - MASCHIO JIC, CONO 37°

UBCL90ORFS



28

DKO 90° - ORFS LONG FEMALE 90°
DKO 90° - FEMMINA 90° ORFS LUNGA

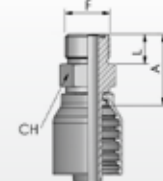
UBC45ORFS



29

DKO 45° - ORFS FEMALE 45°
DKO 45° - FEMMINA 45° ORFS

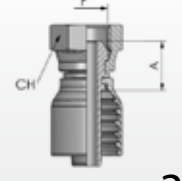
UBMORFS



30

AGO - ORFS MALE
AGO - MASCHIO ORFS

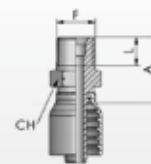
UBFG



31

DKR - BSP FEMALE, 60° CONE
DKR - FEMMINA BSP, CONO 60°

UBMNPT



16

AGN - NPTF MALE
AGN - MASCHIO NPTF

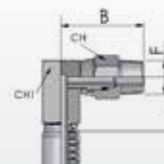
UBMNPTGG



17

NPTF - SWIVEL MALE 30° CONE STRAIGHT
NPTF - MASCHIO GIREVOLE CONO 30°

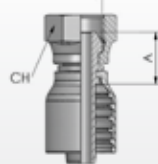
UBM90NPTGG



18

NPTF - SWIVEL MALE 30° CONE SEAT - 90° COMPACT ELBOW
NPTF - MASCHIO GIREVOLE CONO SVASATO 30° - CURVA 90° COMPATTA

UBFNPSM



19

NPSM - FEMALE 30° CONE STRAIGHT
NPSM - FEMMINA CONO 30°

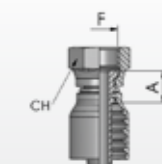
UBPFG



32

DKR - BSP FEMALE THRUST WIRE NUT O-RING, 60° CONE
DKR - FEMMINA BSP DADO SPINATO O-RING, CONO 60°

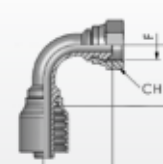
UBFSPG



33

DKR F - BSP FEMALE FLAT FACE
DKRF - FEMMINA BSP, SEDE PIANA

UBC90G



34

DKR 90° - BSP FEMALE 90°, 60° CONE
DKR 90° - FEMMINA 90° BSP, CONO 60°

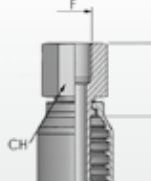
UBPC90G



35

DKR 90° - BSP FEMALE 90° THRUST WIRE NUT O-RING, 60° CONE
DKR 90° - FEMMINA 90° BSP DADO SPINATO O-RING, CONO 60°

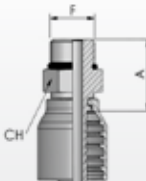
UBFSNPT



20

NPT - FEMALE SOLID STRAIGHT
NPT - FEMMINA PEZZO UNICO

UBMSAE



21

STANDARD ORB MALE SOLID SAE
MASCHIO STANDARD ORB SAE

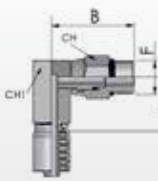
UBMSAEGG



22

STANDARD ORB MALE SWIVEL SAE
MASCHIO GIREVOLE STANDARD ORB SAE

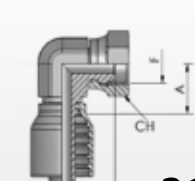
UBM90SAEGG



23

STANDARD ORB MALE SWIVEL SAE - 90° COMPACT ELBOW
MASCHIO GIREVOLE STANDARD ORB SAE - CURVA A 90° COMPATTA

UBC90COMPG



36

DKR 90° K - BSP FEMALE 90° COMPACT, 60° CONE
DKR 90° K - FEMMINA 90° COMPATTA BSP, CONO 60°

UBC45G



37

DKR 45° - BSP FEMALE 45°, 60° CONE
DKR 45° - FEMMINA 45° BSP, CONO 60°

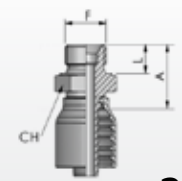
UBPC45G



38

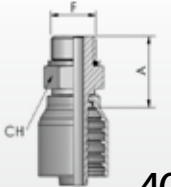
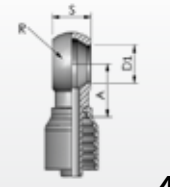
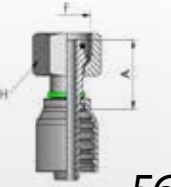
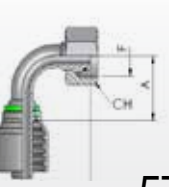
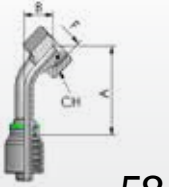
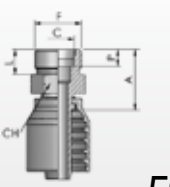
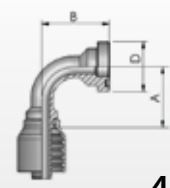
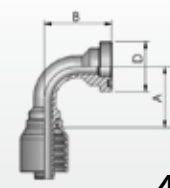
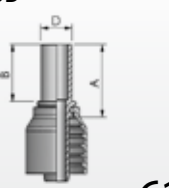
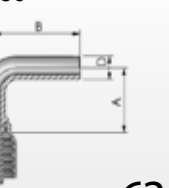
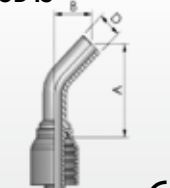
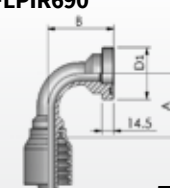
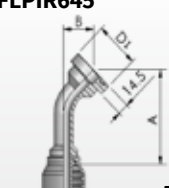


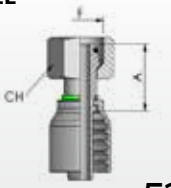
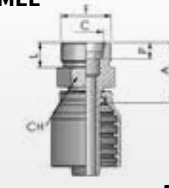
DKR 45° - BSP FEMALE 45° THRUST WIRE NUT O-RING, 60° CONE
DKR 45° - FEMMINA 45° BSP DADO SPINATO O-RING, CONO 60°

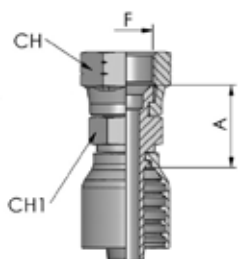
UBMG



39

AGR - BSPP MALE, 60° CONE
AGR - MASCHIO BSPP, CONO 60°

<p>UBMORG</p>  <p>40</p> <p>BSPP - MALE O-RING FLAT SEAL STRAIGHT BSPP - MASCHIO FACCIA PIANA CON O-RING</p>	<p>UBMC</p>  <p>41</p> <p>AGR K - BSPT MALE, 60° CONE AGR K - MASCHIO BSPT, CONO 60°</p>	<p>UBOG</p>  <p>42</p> <p>RNR - BSP BANJO RNR - OCCHIO BSP</p>	<p>UBFLPI3</p>  <p>43</p> <p>SFL - SAE FLANGE 3000 PSI SFL - FLANGIA SAE 3000 PSI</p>	<p>UBFES</p>  <p>56</p> <p>DKOS - METRIC O-RING FEMALE, 24° CONE, HEAVY DKOS - FEMMINA METRICA O-RING, CONO 24°, SERIE PESANTE</p>	<p>UBC90ES</p>  <p>57</p> <p>DKOS 90° - METRIC O-RING FEMALE 90°, 24° CONE, HEAVY DKOS 90° - FEMMINA 90° METRICA O-RING, CONO 24°, SERIE PESANTE</p>	<p>UBC45ES</p>  <p>58</p> <p>DKOS 45° - METRIC O-RING FEMALE 45°, 24° CONE, HEAVY DKOS 45° - FEMMINA 45° METRICA O-RING, CONO 24°, SERIE PESANTE</p>	<p>UBMES</p>  <p>59</p> <p>CES - METRIC MALE, 24° CONE, HEAVY CES - MASCHIO METRICO, CONO 24°, SERIE PESANTE</p>
<p>UBFLPI6</p>  <p>44</p> <p>SFS - SAE FLANGE 6000 PSI SFS - FLANGIA SAE 6000 PSI</p>	<p>UBFLPI390</p>  <p>45</p> <p>SFL 90° - SAE FLANGE 90° 3000 PSI SFL 90° - FLANGIA 90° SAE 3000 PSI</p>	<p>UBFLPI690</p>  <p>46</p> <p>SFS 90° - SAE FLANGE 90° 6000 PSI SFS 90° - FLANGIA 90° SAE 6000 PSI</p>	<p>UBFLPI345</p>  <p>47</p> <p>SFL 45° - SAE FLANGE 45° 3000 PSI SFL 45° - FLANGIA 45° SAE 3000 PSI</p>	<p>UBOM</p>  <p>60</p> <p>RNM - METRIC BANJO RNM - OCCHIO METRICO</p>	<p>UBCOD</p>  <p>61</p> <p>BEL/BES - METRIC STANDPIPE BEL/BES - CODOLO METRICO DIRITTO</p>	<p>UBCOD90</p>  <p>63</p> <p>BEL/BES 90° - METRIC STANDPIPE 90° BEL/BES 90° - CODOLO METRICO 90°</p>	<p>UBCOD45</p>  <p>65</p> <p>BEL/BES 45° - METRIC STANDPIPE 45° BEL/BES 45° - CODOLO METRICO 45°</p>
<p>UBFLPI645</p>  <p>48</p> <p>SFS 45° - SAE FLANGE 45° 6000 PSI SFS 45° - FLANGIA 45° SAE 6000 PSI</p>	<p>UBFLPIR6</p>  <p>49</p> <p>SFC - SUPERCAT FLANGE SFC - FLANGIA SUPERCAT</p>	<p>UBFLPIR690</p>  <p>50</p> <p>SFC 90° - SUPERCAT FLANGE 90° SFC 90° - FLANGIA 90° SUPERCAT</p>	<p>UBFLPIR645</p>  <p>51</p> <p>SFC 45° - SUPERCAT FLANGE 45° SFC 45° - FLANGIA 45° SUPERCAT</p>	<p>UBGPG</p>  <p>67</p> <p>HOSE JUNCTION GIUNZIONE PER TUBI FLESSIBILI</p>	<p>UBFKTS</p>  <p>68</p> <p>JISK - JIS KOMATSU FEMALE JISK - FEMMINA JIS KOMATSU</p>	<p>UBFJS</p>  <p>69</p> <p>JIST - JIS TOYOTA FEMALE JIST - FEMMINA JIS TOYOTA</p>	
<p>UBFEL</p>  <p>52</p> <p>DKOL - METRIC O-RING FEMALE, 24° CONE, LIGHT DKOL - FEMMINA METRICA O-RING, CONO 24°, SERIE LEGGERA</p>	<p>UBC90EL</p>  <p>53</p> <p>DKOL 90° - METRIC O-RING FEMALE 90°, 24° CONE, LIGHT DKOL 90° - FEMMINA 90° METRICA O-RING, CONO 24°, SERIE LEGGERA</p>	<p>UBC45EL</p>  <p>54</p> <p>DKOL 45° - METRIC O-RING FEMALE 45°, 24° CONE, LIGHT DKOL 45° - FEMMINA 45° METRICA O-RING, CONO 24°, SERIE LEGGERA</p>	<p>UBMEL</p>  <p>55</p> <p>CEL - METRIC MALE, 24° CONE, LIGHT CEL - MASCHIO METRICO, CONO 24°, SERIE LEGGERA</p>				<p>index</p> <p>1e</p> <hr/> <p>8</p> <p>67</p>



ONE PIECE WIRE BRAIDED HOSES JIC FITTINGS 37°
 INSERTI JIC 37° ONE PIECE TUBI TRECCIATI

UBFJDE

DKJ - JIC FEMALE DOUBLE HEXAGON, 37° CONE
 DKJ - FEMMINA DOPPIO ESAGONO, CONO 37°

Thread - Filetto: UNF-UN
 Norme - Norma: SAE J514

Notes

FOR HOSE:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

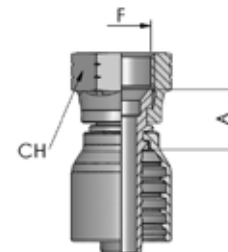
CRIMPED NUT

Note

PER TUBO:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

DADO PINZATO

Code Article Codice Articolo	Thread Filetto	Hose Tubo		Dimensions (mm) Dimensioni (mm)		
		Inch/Pollici	DN (mm)	CH	CH1	A
UBFJDE0604	7/16-20	1/4	6	15	12	21
UBFJDE0804	1/2-20	1/4	6	17	14	21
UBFJDE1004	9/16-18	1/4	6	19	14	22.5
UBFJDE1006	9/16-18	3/8	10	19	14	20.5
UBFJDE1106	5/8-18	3/8	10	22	19	23.9
UBFJDE1204	3/4-16	1/4	6	24	19	24.5
UBFJDE1206	3/4-16	3/8	10	24	19	25
UBFJDE1208	3/4-16	1/2	12	24	19	23
UBFJDE1606	7/8-14	3/8	10	27	22	28.2
UBFJDE1608	7/8-14	1/2	12	27	22	29
UBFJDE1610	7/8-14	5/8	16	27	22	26.3
UBFJDE1612	7/8-14	3/4	19	27	27	31.3
UBFJDE2008	1"1/16-12	1/2	12	32	27	33.1
UBFJDE2010	1"1/16-12	5/8	16	32	27	33.1
UBFJDE2012	1"1/16-12	3/4	19	32	27	34
UBFJDE2212	1"3/16-12	3/4	19	36	30	34.5
UBFJDE2512	1"5/16-12	3/4	19	41	32	36,3
UBFJDE2516	1"5/16-12	1"	25	41	32	37.3



ONE PIECE WIRE BRAIDED HOSES JIC FITTINGS 37°
 INSERTI JIC 37° ONE PIECE TUBI TRECCIATI

UBFJ

DKJ - JIC FEMALE, 37° CONE
 DKJ - FEMMINA JIC, CONO 37°

Thread - Filetto: UNF-UN
 Norme - Norma: SAE J514

Notes

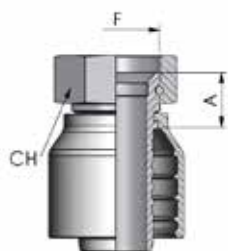
FOR HOSE:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

CRIMPED NUT
 *FJ1106 45° CONE

Note

PER TUBO:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM
 DADO PINZATO
 *FJ1106 CONO 45°

Code Article Codice Articolo	Thread Filetto	Hose Tubo		Dimensions (mm) Dimensioni (mm)	
		Inch/Pollici	DN (mm)	CH	A
UBFJ0604	7/16-20	1/4	6	15	15
UBFJ0804	1/2-20	1/4	6	17	14.5
UBFJ1004	9/16-18	1/4	6	19	15.9
UBFJ1006	9/16-18	3/8	10	19	16
UBFJ1106*	5/8-18	3/8	10	22	16.9
UBFJ1204	3/4-16	1/4	6	24	17
UBFJ1206	3/4-16	3/8	10	24	16.1
UBFJ1208	3/4-16	1/2	12	24	16.7
UBFJ1606	7/8-14	3/8	10	27	18.2
UBFJ1608	7/8-14	1/2	12	27	18.8
UBFJ1610	7/8-14	5/8	16	27	18.8
UBFJ1612	7/8-14	3/4	19	27	22.3
UBFJ2008	1"1/16-12	1/2	12	32	24.1
UBFJ2010	1"1/16-12	5/8	16	32	21.6
UBFJ2012	1"1/16-12	3/4	19	32	22.6
UBFJ2212	1"3/16-12	3/4	19	36	22.1
UBFJ2512	1"5/16-12	3/4	19	41	24.3
UBFJ2516	1"5/16-12	1"	25	41	24.8



ONE PIECE WIRE BRAIDED HOSES JIC FITTINGS 37°
 INSERTI JIC 37° ONE PIECE TUBI TRECCIATI

UBPFJ

DKJ - JIC FEMALE THRUST WIRE NUT, 37° CONE
 DKJ - FEMMINA JIC DADO SPINATO, CONO 37°

Thread - Filetto: UNF-UN
 Norme - Norma: SAE J514

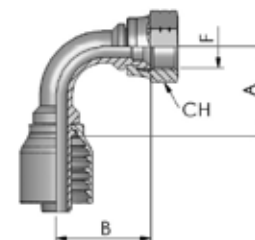
Notes

FOR HOSE:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

Code Article Codice Articolo	Thread Filetto	Hose Tubo		Dimensions (mm) Dimensioni (mm)		
		Inch/Pollici	DN (mm)	CH	A	
UBPFJ2010	1"1/16-12	5/8	16	32	21.5	
UBPFJ2012	1"1/16-12	3/4	19	32	22.5	
UBPFJ2516	1"5/16-12	1"	25	41	23.5	
UBPFJ3416	1"5/8-12	1"	25	50	26.7	
UBPFJ3420	1"5/8-12	1"1/4	32	50	28.1	
UBPFJ4020	1"7/8-12	1"1/4	32	55	28.5	
UBPFJ4024	1"7/8-12	1"1/2	38	55	28.5	
UBPFJ5032	2"1/2-12	2"	51	70	28.5	

Note

PER TUBO:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM



ONE PIECE WIRE BRAIDED HOSES JIC FITTINGS 37°
 INSERTI JIC 37° ONE PIECE TUBI TRECCIATI

UBC90J

DKJ 90° - JIC FEMALE 90°, 37° CONE
 DKJ 90° - FEMMINA 90° JIC, CONO 37°

Thread - Filetto: UNF-UN
 Norme - Norma: SAE J514

Notes

FOR HOSE:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

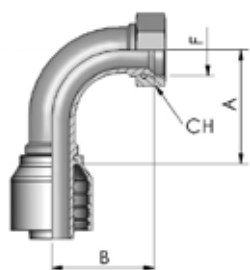
CRIMPED NUT
 *C90J1106 45°CONE

Note

PER TUBO:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

DADO PINZATO
 *C90J1106 CONO 45°

Code Article Codice Articolo	Thread Filetto	Hose Tubo		Dimensions (mm) Dimensioni (mm)		
		Inch/Pollici	DN (mm)	CH	A	B
UBC90J0604	7/16-20	1/4	6	15	23	27
UBC90J0804	1/2-20	1/4	6	17	23	26
UBC90J1004	9/16-18	1/4	6	19	23	29
UBC90J1006	9/16-18	3/8	10	19	35	33
UBC90J1106*	5/8-18	3/8	10	22	35	34
UBC90J1206	3/4-16	3/8	10	24	35	34
UBC90J1208	3/4-16	1/2	12	24	39	39
UBC90J1606	7/8-14	3/8	10	27	35	37
UBC90J1608	7/8-14	1/2	12	27	39	41
UBC90J1610	7/8-14	5/8	16	27	48	45
UBC90J1612	7/8-14	3/4	19	27	50	52
UBC90J2008	1"1/16-12	1/2	12	32	39	48
UBC90J2010	1"1/16-12	5/8	16	32	48	51
UBC90J2012	1"1/16-12	3/4	19	32	50	51
UBC90J2212	1"3/16-12	3/4	19	36	58	64
UBC90J2512	1"5/16-12	3/4	19	41	50	55
UBC90J2516	1"5/16-12	1"	25	41	72	67



ONE PIECE WIRE BRAIDED HOSES JIC FITTINGS 37°
 INSERTI JIC 37° ONE PIECE TUBI TRECCIATI

UBPC90J

DKJ 90° - JIC FEMALE 90° THRUST WIRE NUT, 37° CONE
 DKJ 90° - FEMMINA 90° JIC DADO SPINATO, CONO 37°

Thread - Filetto: UNF-UN
 Norme - Norma: SAE J514

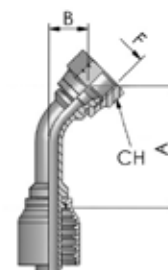
Code Article Codice Articolo	Thread Filetto	Hose Tubo		Dimensions (mm) Dimensioni (mm)		
		Inch/Pollici	DN (mm)	CH	A	B
UBPC90J2010*	1"1/16-12	5/8	16	32	47	50
UBPC90J2012	1"1/16-12	3/4	19	32	50	50
UBPC90J2516	1"5/16-12	1"	25	41	72	64
UBPC90J3416	1"5/8-12	1"	25	50	72	71
UBPC90J3420	1"5/8-12	1"1/4	32	50	88	77
UBPC90J4020*	1"7/8-12	1"1/4	32	55	100	100
UBPC90J4024	1"7/8-12	1"1/2	38	55	99	89
UBPC90J5032	2"1/2-12	2"	51	70	127	121

Notes

FOR HOSE:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

Note

PER TUBO:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM



ONE PIECE WIRE BRAIDED HOSES JIC FITTINGS 37°
 INSERTI JIC 37° ONE PIECE TUBI TRECCIATI

UBC45J

DKJ 45° - JIC FEMALE 45°, 37° CONE
 DKJ 45° - FEMMINA 45° JIC, CONO 37°

Thread - Filetto: UNF-UN
 Norme - Norma: SAE J514

Code Article Codice Articolo	Thread Filetto	Hose Tubo		Dimensions (mm) Dimensioni (mm)		
		Inch/Pollici	DN (mm)	CH	A	B
UBC45J0604	7/16-20	1/4	6	15	39	14
UBC45J0804	1/2-20	1/4	6	17	39	13
UBC45J1004	9/16-18	1/4	6	19	40	15
UBC45J1006	9/16-18	3/8	10	19	54	16
UBC45J1206	3/4-16	3/8	10	24	55	17
UBC45J1208	3/4-16	1/2	12	24	62	19
UBC45J1606	7/8-14	3/8	10	27	58	20
UBC45J1608	7/8-14	1/2	12	27	64	21
UBC45J1610	7/8-14	5/8	16	27	74	21
UBC45J2010	1"1/16-12	5/8	16	32	78	26
UBC45J2012	1"1/16-12	3/4	19	32	81	25
UBC45J2512	1"5/16-12	3/4	19	41	84	28
UBC45J2516	1"5/16-12	1"	25	41	111	31

Notes

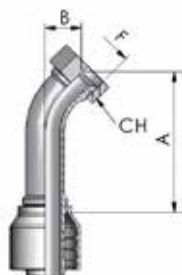
FOR HOSE:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

CRIMPED NUT

Note

PER TUBO:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

DADO PINZATO



ONE PIECE WIRE BRAIDED HOSES JIC FITTINGS 37°
 INSERTI JIC 37° ONE PIECE TUBI TRECCIATI

UBPC45J

DKJ 45° - JIC FEMALE 45° THRUST WIRE NUT, 37° CONE
 DKJ 45° - FEMMINA 45° JIC DADO SPINATO, CONO 37°

Thread - Filetto: UNF-UN
 Norme - Norma: SAE J514

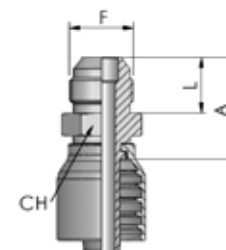
Code Article Codice Articolo	Thread Filetto	Hose Tubo		Dimensions (mm) Dimensioni (mm)		
		Inch/Pollici	DN (mm)	CH	A	B
UBPC45J2010	1"1/16-12	5/8	16	32	80	25
UBPC45J2012	1"1/16-12	3/4	19	32	80	25
UBPC45J2516	1"5/16-12	1"	25	41	108	29
UBPC45J3420	1"5/8-12	1"1/4	32	50	132	35
UBPC45J4020	1"7/8-12	1"1/4	32	55	108	40
UBPC45J4024	1"7/8-12	1"1/2	38	55	149	38
UBPC45J5032	2"1/2-12	2"	51	70	142	54

Notes

FOR HOSE:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

Note

PER TUBO:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM



ONE PIECE WIRE BRAIDED HOSES JIC FITTINGS 37°
 INSERTI JIC 37° ONE PIECE TUBI TRECCIATI

UBMJ

AGJ - JIC MALE, 37° CONE
 AGJ - MASCHIO JIC, CONO 37°

Thread - Filetto: UNF-UN
 Norme - Norma: SAE J514

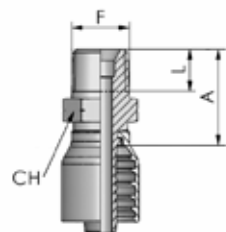
Code Article Codice Articolo	Thread Filetto	Hose Tubo		Dimensions (mm) Dimensioni (mm)		
		Inch/Pollici	DN (mm)	CH	A	L
UBMJ0604	7/16-20	1/4	6	12	26.5	14
UBMJ0804	1/2-20	1/4	6	15	26.5	14
UBMJ1004	9/16-18	1/4	6	15	27.4	14.1
UBMJ1006	9/16-18	3/8	10	17	27.5	14.1
UBMJ1106	5/8-18	3/8	10	17	29.9	16
UBMJ1204*	3/4-16	1/4	6	19	30	16.7
UBMJ1206	3/4-16	3/8	10	19	30.6	16.7
UBMJ1208	3/4-16	1/2	12	19	31.2	16.7
UBMJ1606	7/8-14	3/8	10	24	35.3	19.3
UBMJ1608	7/8-14	1/2	12	24	35.3	19.3
UBMJ1610	7/8-14	5/8	16	24	35.3	19.3
UBMJ2008	1"1/16-12	1/2	12	27	39.7	21.9
UBMJ2010	1"1/16-12	5/8	16	27	39.7	21.9
UBMJ2012	1"1/16-12	3/4	19	27	40.7	21.9
UBMJ2512	1"5/16-12	3/4	19	34	41.9	23.1
UBMJ2516	1"5/16-12	1"	25	34	42.9	23.1
UBMJ3416	1"5/8-12	1"	25	42	46.1	24.3
UBMJ3420	1"5/8-12	1"1/4	32	42	47.5	24.3
UBMJ4024	1"7/8-12	1"1/2	38	50	53	27.5
UBMJ5032	2"1/2-12	2"	51	65	63.2	33.9

Notes

FOR HOSE:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

Note

PER TUBO:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM



ONE PIECE WIRE BRAIDED HOSES NPT FITTINGS
 INSERTI NPT ONE PIECE TUBI TRECCIATI

UBMNPT

AGN - NPTF MALE 30° CONE
 AGN - MASCHIO NPTF CONO 30°

Thread - Filetto: NPTF
 Norme - Norma:

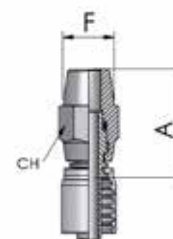
Code Article Codice Articolo	Thread Filetto	Hose Tubo		Dimensions (mm) Dimensioni (mm)		
		Inch/Pollici	DN (mm)	CH	A	L
UBMNPT0204	1/8-27	1/4	6	12	21.9	9.7
UBMNPT0404	1/4-18	1/4	6	15	27.1	14.2
UBMNPT0406	1/4-18	3/8	10	15	27.7	14.2
UBMNPT0604	3/8-18	1/4	6	19	28.2	14.2
UBMNPT0606	3/8-18	3/8	10	19	28.7	14.2
UBMNPT0608	3/8-18	1/2	12	19	29.3	14.2
UBMNPT0806	1/2-14	3/8	10	22	34.5	19
UBMNPT0808	1/2-14	1/2	12	22	35.1	19
UBMNPT1208	3/4-14	1/2	12	27	36.1	19
UBMNPT1210	3/4-14	5/8	16	27	36.1	19
UBMNPT1212	3/4-14	3/4	19	27	37.1	19
UBMNPT1616	1"-11,5	1"	25	36	44	23.9
UBMNPT2016	1"1/4-11,5	1"	25	46	48.2	24.6
UBMNPT2020	1"1/4-11,5	1"1/4	32	46	49.6	24.6
UBMNPT2424	1"1/2-11,5	1"1/2	38	50	50.9	25.4
UBMNPT3232	2"-11,5	2"	51	65	53.2	26.2

Notes

FOR HOSE:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

Note

PER TUBO:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM



ONE PIECE WIRE BRAIDED HOSES NPTF SWIVEL MALE 30° CONE STRAIGHT SAE J516
 INSERTI NPTF MASCHIO CONO 30°GIREVOLE ONE PIECE TUBI TRECCIATI

UBMNPTGG

NPTF - SWIVEL MALE 30° CONE STRAIGHT
 NPTF - MASCHIO GIREVOLE CONO 30°

Thread - Filetto: NPTF
 Norme - Norma: SAE J516

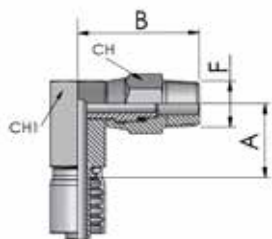
Code Article Codice Articolo	Thread Filetto	Hose Tubo		Dimensions (mm) Dimensioni (mm)	
		Inch/Pollici	DN (mm)	CH	A
UBMNPTGG0204	1/8-27	1/4	6	14	-
UBMNPTGG0404	1/4-18	1/4	6	17	41,5
UBMNPTGG0406	1/4-18	3/8	10	17	41,5
UBMNPTGG0604	3/8-18	1/4	6	19	46,5
UBMNPTGG0605	3/8-18	5/16	8	19	46,5
UBMNPTGG0606	3/8-18	3/8	10	19	45,5
UBMNPTGG0806	1/2-14	3/8	10	22	57,5
UBMNPTGG0808	1/2-14	1/2	12	22	56,6
UBMNPTGG1212	3/4-14	3/4	19	27	61,6
UBMNPTGG1616	1"-11,5	1"	25	36	65

Notes

FOR HOSE:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

Note

PER TUBO:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM



ONE PIECE WIRE BRAIDED HOSES NPTF SWIVEL MALE 60° CONE STRAIGHT SAE J516
 INSERTI NPTF MASCHIO CONO 60°GIREVOLE ONE PIECE TUBI TRECCIATI

UBM90NPTGG

NPTF - SWIVEL MALE 60° CONE SEAT - 90° COMPACT ELBOW
 NPTF - MASCHIO GIREVOLE CONO SVASATO 60° - CURVA 90° COMPATTA

Thread - Filetto: NPTF
 Norme - Norma: SAE J516

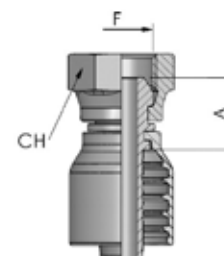
Code Article Codice Articolo	Thread Filetto	Hose Tubo		Dimensions (mm) Dimensioni (mm)			
		Inch/Pollici	DN (mm)	CH	CH1	A	B
UBM90NPTGG0404	1/4 - 18	1/4	6,3	17	17	29	43
UBM90NPTGG0606	3/8 - 18	3/8	10	22	22	31	49
UBM90NPTGG0808	1/2 - 14	1/2	12,5	27	25	33	62
UBM90NPTGG1212	3/4 - 14	3/4	19	34	32	43	69

Notes

FOR HOSE:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

Note

PER TUBO:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM



ONE PIECE WIRE BRAIDED HOSES NPSM FEMALE 30° CONE STRAIGHT
 INSERTI NPSM FEMMINA CONO 30° ONE PIECE TUBI TRECCIATI

UBFNPSM

NPSM - FEMALE 30° CONE STRAIGHT
 NPSM - FEMMINA CONO 30°

Thread - Filetto: NPSM

Code Article Codice Articolo	Thread Filetto	Hose Tubo		Dimensions (mm) Dimensioni (mm)	
		Inch/Pollici	DN (mm)	CH	A
UBFNPSM0403	1/4-18	3/16	5	19	-
UBFNPSM0404	1/4-18	1/4	6	19	17.6
UBFNPSM0406	1/4-18	3/8	10	19	17.7
UBFNPSM0604	3/8-18	1/4	6	22	18.7
UBFNPSM0605	3/8-18	5/16	8	22	-
UBFNPSM0606	3/8-18	3/8	10	22	18.8
UBFNPSM0808	1/2-14	1/2	12	27	21.2
UBFNPSM1210	3/4-14	5/8	16	32	22.8
UBFNPSM1212	3/4-14	3/4	19	32	22.8
UBFNPSM1612	1"-11,5	3/4	19	41	24.5
UBFNPSM1616	1"-11,5	1"	25	41	25
UBFNPSM2020	1"1/4-11.5	1"1/4	32	50	-
UBFNPSM2420	1"1/2-11.5	1"1/4	32	55	-
UBFNPSM2424	1"1/2-11.5	1"1/2	38	55	-
UBFNPSM3232	2"-11,5	2"	50	70	-

Notes

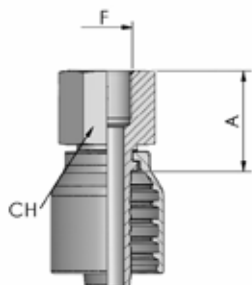
FOR HOSE:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

CRIMPED NUT

Note

PER TUBO:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

DADO PINZATO



ONE PIECE WIRE BRAIDED HOSES NPT FEMALE SOLID STRAIGHT
 INSERTI NPT FEMMINA PEZZO UNICO ONE PIECE TUBI TRECCIATI

UBFSNPT

NPT - FEMALE SOLID STRAIGHT
 NPT - FEMMINA PEZZO UNICO

Thread - Filetto: NPT

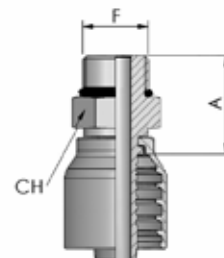
Code Article Codice Articolo	Thread Filetto	Hose Tubo		Dimensions (mm) Dimensioni (mm)	
		Inch/Pollici	DN (mm)	CH	A
UBFSNPT0404	1/4-18	1/4	6	19	-
UBFSNPT0406	1/4-18	3/8	10	19	-
UBFSNPT0606	3/8-18	3/8	10	22	-
UBFSNPT0806	1/2-14	3/8	10	25,4	-

Notes

FOR HOSE:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

Note

PER TUBO:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM



ONE PIECE WIRE BRAIDED HOSES STANDARD ORB MALE SOLID SAE J514/J516
 INSERTI MASCHIO STANDARD ORB SAE J514/J516 ONE PIECE TUBI TRECCIATI

UBMSAE

STANDARD ORB MALE SOLID SAE
 MASCHIO STANDARD ORB SAE

Thread - Filetto: UNF-UN
 Norme - Norma: SAE J514/J516

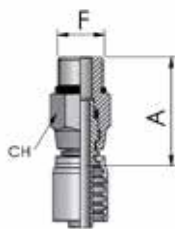
Code Article Codice Articolo	Thread Filetto	Hose Tubo		Dimensions (mm) Dimensioni (mm)	
		Inch/Pollici	DN (mm)	CH	A
UBMSAE0604	7/16-20	1/4	6	14	22
UBMSAE0804	1/2-20	1/4	6	17	22,5
UBMSAE1005	9/16-18	5/16	8	17	24
UBMSAE1006	9/16-18	3/8	10	17	11
UBMSAE1206	3/4-16	3/8	10	22	26,5
UBMSAE1208	3/4-16	1/2	12	22	27,6
UBMSAE1608	7/8-14	1/2	12	27	30,1
UBMSAE1610	7/8-14	5/8	16	27	30,4
UBMSAE2010	1"1/16-12	5/8	16	32	34,4
UBMSAE2012	1"1/16-12	3/4	19	32	35,1
UBMSAE2016	1"5/16-12	1"	25	41	37,6

Notes

FOR HOSE:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

Note

PER TUBO:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM



ONE PIECE WIRE BRAIDED HOSES STANDARD ORB MALE SWIVEL SAE J514/J516
 INSERTI MASCHIO STANDARD GIREVOLE ORB SAE J514/J516 ONE PIECE TUBI TRECCIATI

UBMSAEGG

STANDARD ORB MALE SWIVEL SAE
 MASCHIO GIREVOLE STANDARD ORB SAE

Thread - Filetto: UNF-UN
 Norme - Norma: SAE J514/J516

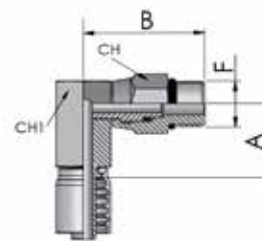
Code Article Codice Articolo	Thread Filetto	Hose Tubo		Dimensions (mm) Dimensioni (mm)		
		Inch/Pollici	DN (mm)	CH	A	
UBMSAEGG0604	7/16-20	1/4	6	14	37,4	
UBMSAEGG1004	9/16-18	1/4	6	17	42,5	
UBMSAEGG1006	9/16-18	3/8	10	17	42,5	
UBMSAEGG1206	3/4-16	3/8	10	22	47,5	
UBMSAEGG1208	3/4-16	1/2	12	22	49,6	
UBMSAEGG1608	7/8-14	1/2	12	27	50,6	
UBMSAEGG1610	7/8-14	5/8	16	27	50,8	
UBMSAEGG2008	1"1/16-12	1/2	12	32	58	
UBMSAEGG2012	1"1/16-12	3/4	19	32	59,6	

Notes

FOR HOSE:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

Note

PER TUBO:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM



ONE PIECE WIRE BRAIDED HOSES STANDARD ORB MALE SWIVEL SAE J514/J516
 INSERTI MASCHIO STANDARD GIREVOLE ORB SAE J514/J516 ONE PIECE TUBI TRECCIATI

UBM90SAEGG

STANDARD ORB MALE SWIVEL SAE - 90° COMPACT ELBOW
 MASCHIO GIREVOLE STANDARD ORB SAE - CURVA A 90° COMPATTA

Thread - Filetto: UNF-UN
 Norme - Norma: SAE J514/J516

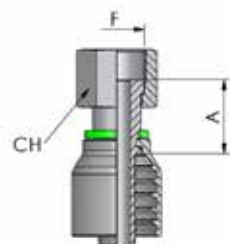
Code Article Codice Articolo	Thread Filetto	Hose Tubo		Dimensions (mm) Dimensioni (mm)			
		Inch/Pollici	DN (mm)	CH	CH1	A	B
UBM90SAEGG1006	9/16 - 18	3/8	10	22	22	31	47
UBM90SAEGG1206	3/4 - 16	3/8	10	27	25	34	54
UBM90SAEGG1208	3/4 - 16	1/2	12,5	27	25	33	54
UBM90SAEGG1608	7/8 - 14	1/2	12,5	27	25	33	56
UBM90SAEGG2012	1"1/16 - 12	3/4	19	34	32	43	67

Notes

FOR HOSE:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

Note

PER TUBO:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM



ONE PIECE WIRE BRAIDED HOSES ORFS FITTINGS
 INSERTI ORFS ONE PIECE TUBI TRECCIATI

UBFORFS

DKO - ORFS FEMALE
 DKO - FEMMINA ORFS

Thread - Filetto: UNF-UN
 Norme - Norma: SAE J1453

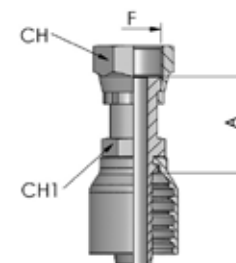
Notes

FOR HOSE:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

Note

PER TUBO:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

Code Article Codice Articolo	Thread Filetto	Hose Tubo		Dimensions (mm) Dimensioni (mm)		
		Inch/Pollici	DN (mm)	CH	A	
UBFORFS1004	9/16-18	1/4	6	17	20.5	
UBFORFS1104	11/16-16	1/4	6	22	21.9	
UBFORFS1106	11/16-16	3/8	10	22	22	
UBFORFS1306	13/16-16	3/8	10	24	25	
UBFORFS1308	13/16-16	1/2	12	24	25.6	
UBFORFS1808	1"-14	1/2	12	30	29.9	
UBFORFS1810	1"-14	5/8	16	30	29.9	
UBFORFS2208	1"3/16-12	1/2	12	36	32.1	
UBFORFS2210	1"3/16-12	5/8	16	36	32.1	
UBFORFS2212	1"3/16-12	3/4	19	36	33	
UBFORFS2612	1"7/16-12	3/4	19	41	33.6	
UBFORFS2616	1"7/16-12	1"	25	41	34.1	
UBFORFS3620	1"11/16-12	1"1/4	32	50	35.5	
UBFORFS4624	2"-12	1"1/2	38	60	37	



ONE PIECE WIRE BRAIDED HOSES ORFS FITTINGS
 INSERTI ORFS ONE PIECE TUBI TRECCIATI

UBFORFSDE

DKO - ORFS FEMALE DOUBLE HEXAGON
 DKO - FEMMINA DOPPIO ESAGONO ORFS

Thread - Filetto: UNF-UN

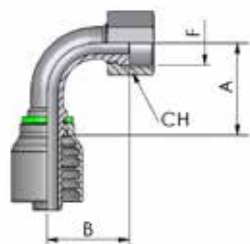
Notes

FOR HOSE:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

Note

PER TUBO:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

Code Article Codice Articolo	Thread Filetto	Hose Tubo		Dimensions (mm) Dimensioni (mm)		
		Inch/Pollici	DN (mm)	CH	CH1	A
UBFORFSDE1004	9/16-18	1/4	6	17	14	28
UBFORFSDE1104	11/16-16	1/4	6	22	17	30.8
UBFORFSDE1106	11/16-16	3/8	10	22	17	32
UBFORFSDE1108	11/16-16	1/2	12	22	19	32.5
UBFORFSDE1306	13/16-16	3/8	10	24	19	35.3
UBFORFSDE1308	13/16-16	1/2	12	24	19	33.4
UBFORFSDE1808	1"-14	1/2	12	30	24	39.6
UBFORFSDE1810	1"-14	5/8	16	30	24	39.6
UBFORFSDE1812	1"-14	3/4	19	30	27	40.5
UBFORFSDE2212	1"3/16-12	3/4	19	36	27	43
UBFORFSDE2616	1"7/16-12	1"	25	41	36	46.1
UBFORFSDE3620	1"11/16-12	1"1/4	32	50	41	48
UBFORFSDE4624	2"-12	1"1/2	38	60	50	49.6



ONE PIECE WIRE BRAIDED HOSES ORFS FITTINGS
 INSERTI ORFS ONE PIECE TUBI TRECCIATI

UBC90ORFS

DKO 90° - ORFS FEMALE 90°
 DKO 90° - FEMMINA 90° ORFS

Thread - Filetto: UNF-UN
 Norme - Norma: SAE J1453

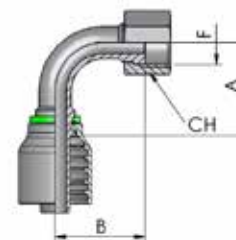
Notes

FOR HOSE:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

Code Article Codice Articolo	Thread Filetto	Hose Tubo		Dimensions (mm) Dimensioni (mm)		
		Inch/Pollici	DN (mm)	CH	A	B
UBC90ORFS1004	9/16-18	1/4	6	17	33	24
UBC90ORFS1104	11/16-16	1/4	6	22	33	26
UBC90ORFS1106	11/16-16	3/8	10	22	38	29
UBC90ORFS1306	13/16-16	3/8	10	24	38	32
UBC90ORFS1308	13/16-16	1/2	12	24	40	36
UBC90ORFS1808	1"-14	1/2	12	30	40	41
UBC90ORFS1810	1"-14	5/8	16	30	46	47
UBC90ORFS2208	1"3/16-12	1/2	12	36	40	43
UBC90ORFS2210	1"3/16-12	5/8	16	36	46	46
UBC90ORFS2212	1"3/16-12	3/4	19	36	52	46
UBC90ORFS2612	1"7/16-12	3/4	19	41	52	52
UBC90ORFS2616	1"7/16-12	1"	25	41	72	63
UBC90ORFS3620	1"11/16-12	1"1/4	32	50	88	73
UBC90ORFS4624	2"-12	1"1/2	38	60	105	84

Note

PER TUBO:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM



ONE PIECE WIRE BRAIDED HOSES ORFS FITTINGS
 INSERTI ORFS ONE PIECE TUBI TRECCIATI

UBCM90ORFS

DKO 90° - ORFS MEDIUM FEMALE 90°
 DKO 90° - FEMMINA 90° ORFS MEDIA

Thread - Filetto: UNF-UN
 Norme - Norma: SAE J1454 - SAE J516

Notes

FOR HOSE:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

Code Article Codice Articolo	Thread Filetto	Hose Tubo		Dimensions (mm) Dimensioni (mm)		
		Inch/Pollici	DN (mm)	CH	A	B
UBCM90ORFS1004	9/16-18	1/4	6	17	32.9	38
UBCM90ORFS1106	11/16-16	3/8	10	22	37.5	38
UBCM90ORFS1306	13/16-16	3/8	10	24	37.5	41
UBCM90ORFS1308	13/16-16	1/2	12	24	40.05	41
UBCM90ORFS1808	1"-14	1/2	12	30	40.05	47
UBCM90ORFS1810	1"-14	5/8	16	30	46.05	47
UBCM90ORFS2210	1"3/16-12	5/8	16	36	46.05	58
UBCM90ORFS2212	1"3/16-12	3/4	19	36	50	58
UBCM90ORFS2616	1"7/16-12	1"	25	41	71.6	71

Note

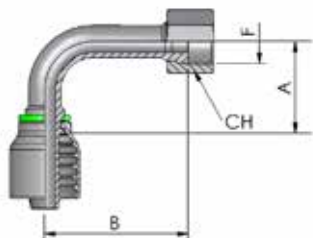
PER TUBO:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

ONE PIECE WIRE BRAIDED HOSES ORFS FITTINGS
 INSERTI ORFS ONE PIECE TUBI TRECCIATI

UBCL90ORFS

DKO 90° - ORFS LONG FEMALE 90°
 DKO 90° - FEMMINA 90° ORFS LUNGA

Thread - Filetto: UNF-UN
 Norme - Norma: SAE J1454 - SAE J516



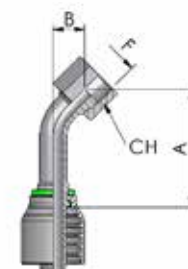
Notes

FOR HOSE:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

Code Article Codice Articolo	Thread Filetto	Hose Tubo		Dimensions (mm) Dimensioni (mm)		
		Inch/Pollici	DN (mm)	CH	A	B
UBCL90ORFS1004	9/16-18	1/4	6	17	32.85	46
UBCL90ORFS1106	11/16-16	3/8	10	22	37.5	54
UBCL90ORFS1306	13/16-16	3/8	10	24	37.5	64
UBCL90ORFS1308	13/16-16	1/2	12	24	40.05	64
UBCL90ORFS1808	1"-14	1/2	12	30	42.4	66
UBCL90ORFS1810	1"-14	5/8	16	30	46.05	70
UBCL90ORFS2210	1"3/16-12	5/8	16	36	46.05	96
UBCL90ORFS2212	1"3/16-12	3/4	19	36	52.2	96
UBCL90ORFS2616	1"7/16-12	1"	25	41	71.6	114

Note

PER TUBO:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM



ONE PIECE WIRE BRAIDED HOSES ORFS FITTINGS
 INSERTI ORFS ONE PIECE TUBI TRECCIATI

UBC45ORFS

DKO 45° - ORFS FEMALE 45°
 DKO 45° - FEMMINA 45° ORFS

Thread - Filetto: UNF-UN
 Norme - Norma: SAE J1453

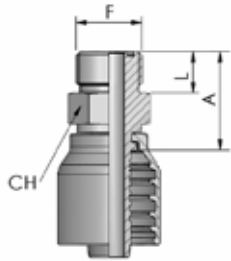
Notes

FOR HOSE:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

Code Article Codice Articolo	Thread Filetto	Hose Tubo		Dimensions (mm) Dimensioni (mm)		
		Inch/Pollici	DN (mm)	CH	A	B
UBC45ORFS1004	9/16-18	1/4	6	17	47	12
UBC45ORFS1104	11/16-16	1/4	6	22	48	13
UBC45ORFS1106	11/16-16	3/8	10	22	54	14
UBC45ORFS1306	13/16-16	3/8	10	24	56	16
UBC45ORFS1308	13/16-16	1/2	12	24	61	17
UBC45ORFS1808	1"-14	1/2	12	30	64	20
UBC45ORFS1810	1"-14	5/8	16	30	71	20
UBC45ORFS1812	1"-14	3/4	19	30	85	35
UBC45ORFS2208	1"3/16-12	1/2	12	36	66	22
UBC45ORFS2210	1"3/16-12	5/8	16	36	73	22
UBC45ORFS2212	1"3/16-12	3/4	19	36	78	21
UBC45ORFS2612	1"7/16-12	3/4	19	41	82	26
UBC45ORFS2616	1"7/16-12	1"	25	41	108	29
UBC45ORFS3620	1"11/16-12	1"1/4	32	50	129	32
UBC45ORFS4624	2"-12	1"1/2	38	60	151	35

Note

PER TUBO:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM



ONE PIECE WIRE BRAIDED HOSES ORFS FITTINGS
 INSERTI ORFS ONE PIECE TUBI TRECCIATI

UBMORFS

AGO - ORFS MALE
 AGO - MASCHIO ORFS

Thread - Filetto: UNF-UN
 Norme - Norma: SAE J1453

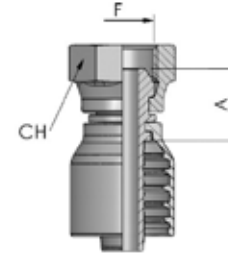
Notes

FOR HOSE:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

Note

PER TUBO:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

Code Article Codice Articolo	Thread Filetto	Hose Tubo		Dimensions (mm) Dimensioni (mm)		
		Inch/Pollici	DN (mm)	CH	A	L
UBMORFS1004	9/16-18	1/4	6	17	24.6	9.8
UBMORFS1104	11/16-16	1/4	6	19	26.8	11.2
UBMORFS1106	11/16-16	3/8	10	19	27.4	11.2
UBMORFS1306	13/16-16	3/8	10	22	30.1	12.8
UBMORFS1308	13/16-16	1/2	12	22	30.7	12.8
UBMORFS1808	1"-14	1/2	12	27	35.2	15.5
UBMORFS1810	1"-14	5/8	16	27	35.2	15.5
UBMORFS1812	1"-14	3/4	19	27	36.2	15.5
UBMORFS2208	1"3/16-12	1/2	12	32	38.2	17
UBMORFS2210	1"3/16-12	5/8	16	32	38.2	17
UBMORFS2212	1"3/16-12	3/4	19	32	39.2	17
UBMORFS2612	1"7/16-12	3/4	19	38	40.9	17.5
UBMORFS2616	1"7/16-12	1"	25	38	41.9	17.5
UBMORFS3620	1"11/16-12	1"1/4	32	46	45.3	17.5
UBMORFS4624	2"-12	1"1/2	38	55	47.6	17.5



ONE PIECE WIRE BRAIDED HOSES BSP FITTINGS 60°
 INSERTI BSP 60° ONE PIECE TUBI TRECCIATI

UBFG

DKR - BSP FEMALE, 60° CONE
 DKR - FEMMINA BSP, CONO 60°

Thread - Filetto: BSP
 Norme - Norma: BS 5200

Notes

FOR HOSE:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

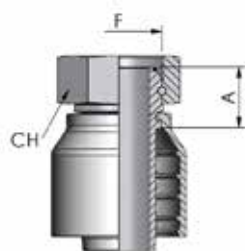
CRIMPED NUT

Note

PER TUBO:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

DADO PINZATO

Code Article Codice Articolo	Thread Filetto	Hose Tubo		Dimensions (mm) Dimensioni (mm)	
		Inch/Pollici	DN (mm)	CH	A
UBFG0204	1/8-28	1/4	6	14	15.9
UBFG0404	1/4-19	1/4	6	19	17.6
UBFG0406	1/4-19	3/8	10	19	17.7
UBFG0604	3/8-19	1/4	6	22	18.7
UBFG0606	3/8-19	3/8	10	22	18.8
UBFG0608	3/8-19	1/2	12	22	19.4
UBFG0804	1/2-14	1/4	6	27	22.5
UBFG0806	1/2-14	3/8	10	27	20.6
UBFG0808	1/2-14	1/2	12	27	21.2
UBFG0810	1/2-14	5/8	16	27	21.2
UBFG0812	1/2-14	3/4	19	27	24
UBFG1008	5/8-14	1/2	12	30	21.3
UBFG1010	5/8-14	5/8	16	30	21.3
UBFG1208	3/4-14	1/2	12	32	25.3
UBFG1210	3/4-14	5/8	16	32	22.8
UBFG1212	3/4-14	3/4	19	32	22.8
UBFG1216	3/4-14	1"	25	32	27.5
UBFG1612	1"-11	3/4	19	38	24.5
UBFG1616	1"-11	1"	25	38	25



ONE PIECE WIRE BRAIDED HOSES BSP FITTINGS 60°
 INSERTI BSP 60° ONE PIECE TUBI TRECCIATI

UBPFPG

DKR - BSP FEMALE THRUST WIRE NUT O-RING, 60° CONE
 DKR - FEMMINA BSP DADO SPINATO O-RING, CONO 60°

Thread - Filetto: BSP
 Norme - Norma: BS 5200

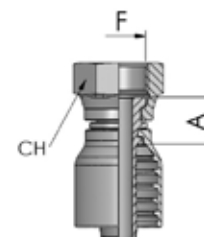
Notes

FOR HOSE:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

Code Article Codice Articolo	Thread Filetto	Hose Tubo		Dimensions (mm) Dimensioni (mm)	
		Inch/Pollici	DN (mm)	CH	A
UBPFPG1212	3/4-14	3/4	19	32	27
UBPFPG1616	1"-11	1"	25	38	31
UBPFPG2016	1"1/4-11	1"	25	50	32.6
UBPFPG2020	1"1/4-11	1"1/4	32	50	31
UBPFPG2420	1"1/2-11	1"1/4	32	55	32.7
UBPFPG2424	1"1/2-11	1"1/2	38	55	32.7
UBPFPG3224	2"-11	1"1/2	38	70	29.8
UBPFPG3232	2"-11	2"	51	70	29.8

Note

PER TUBO:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM



ONE PIECE WIRE BRAIDED HOSES BSP FITTINGS 60°
 INSERTI BSP 60° ONE PIECE TUBI TRECCIATI

UBFSPG

DKR F - BSP FEMALE FLAT FACE
 DKRF - FEMMINA BSP, SEDE PIANA

Thread - Filetto: BSP

Notes

FOR HOSE:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

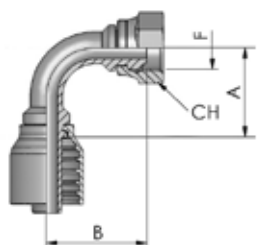
CRIMPED NUT

Note

PER TUBO:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

DADO PINZATO

Code Article Codice Articolo	Thread Filetto	Hose Tubo		Dimensions (mm) Dimensioni (mm)	
		Inch/Pollici	DN (mm)	CH	A
UBFSPG0404	1/4-19	1/4	6	19	14.4
UBFSPG0604	3/8-19	1/4	6	22	16
UBFSPG0606	3/8-19	3/8	10	22	14.9
UBFSPG0806	1/2-14	3/8	10	27	15.7
UBFSPG0808	1/2-14	1/2	12	27	16.3
UBFSPG1208	3/4-14	1/2	12	32	21
UBFSPG1210	3/4-14	5/8	16	32	18.5
UBFSPG1212	3/4-14	3/4	19	32	19.5
UBFSPG1616	1"-11	1"	25	38	21.2



ONE PIECE WIRE BRAIDED HOSES BSP FITTINGS 60°
 INSERTI BSP 60° ONE PIECE TUBI TRECCIATI

UBC90G

DKR 90° - BSP FEMALE 90°, 60° CONE
 DKR 90° - FEMMINA 90° BSP, CONO 60°

Thread - Filetto: BSP
 Norme - Norma: BS 5200

Notes

FOR HOSE:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

CRIMPED NUT

Note

PER TUBO:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

DADO PINZATO

Code Article Codice Articolo	Thread Filetto	Hose Tubo		Dimensions (mm) Dimensioni (mm)		
		Inch/Pollici	DN (mm)	CH	A	B
UBC90G0204	1/8-28	1/4	6	15	23	26
UBC90G0404	1/4-19	1/4	6	19	23	29
UBC90G0406	1/4-19	3/8	10	19	35	33
UBC90G0604	3/8-19	1/4	6	22	23	33
UBC90G0606	3/8-19	3/8	10	22	35	36
UBC90G0608	3/8-19	1/2	12	22	39	40
UBC90G0806	1/2-14	3/8	10	27	35	40
UBC90G0808	1/2-14	1/2	12	27	39	44
UBC90G0810	1/2-14	5/8	16	27	48	47
UBC90G1008	5/8-14	1/2	12	30	39	47
UBC90G1010	5/8-14	5/8	16	30	48	50
UBC90G1208	3/4-14	1/2	12	32	39	49
UBC90G1210	3/4-14	5/8	16	32	48	52
UBC90G1212	3/4-14	3/4	19	32	50	52
UBC90G1612	1"-11	3/4	19	38	50	56
UBC90G1616	1"-11	1"	25	38	72	67



ONE PIECE WIRE BRAIDED HOSES BSP FITTINGS 60°
 INSERTI BSP 60° ONE PIECE TUBI TRECCIATI

UBPC90G

DKR 90° - BSP FEMALE 90° THRUST WIRE NUT O-RING, 60° CONE
 DKR 90° - FEMMINA 90° BSP DADO SPINATO O-RING, CONO 60°

Thread - Filetto: BSP
 Norme - Norma: BS 5200

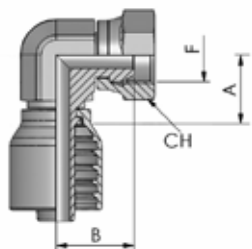
Notes

FOR HOSE:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

Note

PER TUBO:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

Code Article Codice Articolo	Thread Filetto	Hose Tubo		Dimensions (mm) Dimensioni (mm)		
		Inch/Pollici	DN (mm)	CH	A	B
UBPC90G1212	3/4-14	3/4	19	32	54	56
UBPC90G1616	1"-11	1"	25	38	70	72
UBPC90G2016	1"1/4-11	1"	25	50	72	74
UBPC90G2020	1"1/4-11	1"1/4	32	50	88	80
UBPC90G2420	1"1/2-11	1"1/4	32	55	88	84
UBPC90G2424	1"1/2-11	1"1/2	38	55	108	101
UBPC90G3224	2"-11	1"1/2	38	70	99	97
UBPC90G3232	2"-11	2"	51	70	127	122



ONE PIECE WIRE BRAIDED HOSES BSP FITTINGS 60°
 INSERTI BSP 60° ONE PIECE TUBI TRECCIATI

UBC90COMPG

DKR 90° K - BSP FEMALE 90° COMPACT, 60° CONE
 DKR 90° K - FEMMINA 90° COMPATTA BSP, CONO 60°

Thread - Filetto: BSP
 Norme - Norma: BS 5200

Code Article Codice Articolo	Thread Filetto	Hose Tubo		Dimensions (mm) Dimensioni (mm)		
		Inch/Pollici	DN (mm)	CH	A	B
UBC90COMPG0404	1/4-19	1/4	6	19	21	23
UBC90COMPG0606	3/8-19	3/8	10	22	22	24
UBC90COMPG0808	1/2-14	1/2	12	27	24	27
UBC90COMPG1212	3/4-14	3/4	19	32	32	35
UBC90COMPG1616	1"-11	1"	25	38	34	40

Notes

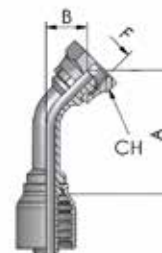
FOR HOSE:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

CRIMPED NUT

Note

PER TUBO:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

DADO PINZATO



ONE PIECE WIRE BRAIDED HOSES BSP FITTINGS 60°
 INSERTI BSP 60° ONE PIECE TUBI TRECCIATI

UBC45G

DKR 45° - BSP FEMALE 45°, 60° CONE
 DKR 45° - FEMMINA 45° BSP, CONO 60°

Thread - Filetto: BSP
 Norme - Norma: BS 5200

Code Article Codice Articolo	Thread Filetto	Hose Tubo		Dimensions (mm) Dimensioni (mm)		
		Inch/Pollici	DN (mm)	CH	A	B
UBC45G0204	1/8-28	1/4	6	15	38	13
UBC45G0404	1/4-19	1/4	6	19	41	16
UBC45G0406	1/4-19	3/8	10	19	55	17
UBC45G0604	3/8-19	1/4	6	22	43	18
UBC45G0606	3/8-19	3/8	10	22	57	18
UBC45G0608	3/8-19	1/2	12	22	62	19
UBC45G0806	1/2-14	3/8	10	27	60	21
UBC45G0808	1/2-14	1/2	12	27	65	22
UBC45G1008	5/8-14	1/2	12	30	68	25
UBC45G1010	5/8-14	5/8	16	30	77	25
UBC45G1208	3/4-14	1/2	12	32	69	26
UBC45G1210	3/4-14	5/8	16	32	79	27
UBC45G1212	3/4-14	3/4	19	32	82	26
UBC45G1612	1"-11	3/4	19	38	84	28
UBC45G1616	1"-11	1"	25	38	111	31

Notes

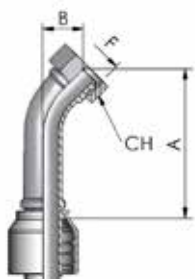
FOR HOSE:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

CRIMPED NUT

Note

PER TUBO:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

DADO PINZATO



ONE PIECE WIRE BRAIDED HOSES BSP FITTINGS 60°
 INSERTI BSP 60° ONE PIECE TUBI TRECCIATI

UBPC45G

DKR 45° - BSP FEMALE 45° THRUST WIRE NUT O-RING, 60° CONE
 DKR 45° - FEMMINA 45° BSP DADO SPINATO O-RING, CONO 60°

Thread - Filetto: BSP
 Norme - Norma: BS 5200

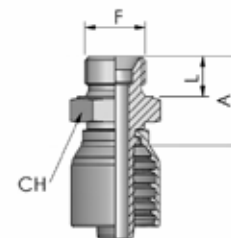
Code Article Codice Articolo	Thread Filetto	Hose Tubo		Dimensions (mm) Dimensioni (mm)		
		Inch/Pollici	DN (mm)	CH	A	B
UBPC45G1212	3/4-14	3/4	19	32	82	30
UBPC45G1616	1"-11	1"	25	38	90	41
UBPC45G2016	1"1/4-11	1"	25	50	116	36
UBPC45G2020	1"1/4-11	1"1/4	32	50	134	37
UBPC45G2424	1"1/2-11	1"1/2	38	55	122	48
UBPC45G3224	2"-11	1"1/2	38	70	155	44
UBPC45G3232	2"-11	2"	51	70	143	55

Notes

FOR HOSE:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

Note

PER TUBO:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM



ONE PIECE WIRE BRAIDED HOSES BSP FITTINGS 60°
 INSERTI BSP 60° ONE PIECE TUBI TRECCIATI

UBMG

AGR - BSPP MALE, 60° CONE
 AGR - MASCHIO BSPP, CONO 60°

Thread - Filetto: BSPP
 Norme - Norma: BS 5200

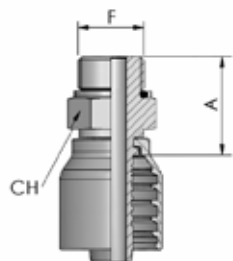
Code Article Codice Articolo	Thread Filetto	Hose Tubo		Dimensions (mm) Dimensioni (mm)		
		Inch/Pollici	DN (mm)	CH	A	L
UBMG0204	1/8-28	1/4	6	14	20.5	8
UBMG0404	1/4-19	1/4	6	19	25.5	12
UBMG0406	1/4-19	3/8	10	19	26.5	12
UBMG0604	3/8-19	1/4	6	22	26.6	12
UBMG0606	3/8-19	3/8	10	22	27.2	12
UBMG0608	3/8-19	1/2	12	22	27.8	12
UBMG0804	1/2-14	1/4	6	27	29.7	14
UBMG0806	1/2-14	3/8	10	27	30.3	14
UBMG0808	1/2-14	1/2	12	27	30.9	14
UBMG0810	1/2-14	5/8	16	27	30.9	14
UBMG1008	5/8-14	1/2	12	28	34.2	16
UBMG1010	5/8-14	5/8	16	28	34.2	16
UBMG1208	3/4-14	1/2	12	32	34.3	16
UBMG1210	3/4-14	5/8	16	32	34.3	16
UBMG1212	3/4-14	3/4	19	32	35	16
UBMG1612	1"-11	3/4	19	41	37.1	18
UBMG1616	1"-11	1"	25	41	38.1	18
UBMG2016	1"1/4-11	1"	25	50	46.1	20
UBMG2020	1"1/4-11	1"1/4	32	50	47.5	20
UBMG2420*	1"1/2-11	1"1/4	32	55	50.5	22
UBMG2424	1"1/2-11	1"1/2	38	55	51	22
UBMG3232	2"-11	2"	51	70	54	24

Notes

FOR HOSE:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

Note

PER TUBO:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM



ONE PIECE WIRE BRAIDED HOSES BSPP MALE O-RING FLAT SEAL STRAIGHT
 INSERTI MASCHIO FACCIA PIANA CON O-RING ONE PIECE TUBI TRECCIATI

UBMORG

BSPP - MALE O-RING FLAT SEAL STRAIGHT CONE
 BSPP - MASCHIO FACCIA PIANA CON O-RING

Thread - Filetto: BSPP

Norme - Norma:

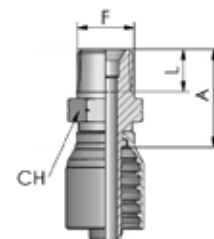
Notes

FOR HOSE:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

Note

PER TUBO:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

Code Article Codice Articolo	Thread Filetto	Hose Tubo		Dimensions (mm) Dimensioni (mm)		
		Inch/Pollici	DN (mm)	CH	A	
UBMORG0404	1/4-19	1/4	6	17	-	
UBMORG0406	1/4-19	3/8	10	19	-	
UBMORG0606	3/8-19	3/8	10	22	-	
UBMORG0804	1/2-14	1/4	6	27	-	
UBMORG0806	1/2-14	3/8	10	27	-	
UBMORG0808	1/2-14	1/2	12	27	-	
UBMORG1010	5/8-14	5/8	16	30	-	
UBMORG1210	3/4-14	5/8	16	32	-	
UBMORG1212	3/4-14	3/4	19	32	-	
UBMORG1216	3/4-14	1"	25	32	-	
UBMORG1616	1"-11	1"	25	41	-	
UBMORG2020	1"1/4-11	1"1/4	32	50	-	



ONE PIECE WIRE BRAIDED HOSES BSP FITTINGS 60°
 INSERTI BSP 60° ONE PIECE TUBI TRECCIATI

UBMC

AGR K - BSPT MALE, 60° CONE
 AGR K - MASCHIO BSPT, CONO 60°

Thread - Filetto: BSPT

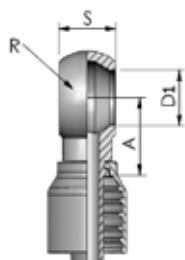
Notes

FOR HOSE:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

Note

PER TUBO:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

Code Article Codice Articolo	Thread Filetto	Hose Tubo		Dimensions (mm) Dimensioni (mm)		
		Inch/Pollici	DN (mm)	CH	A	L
UBMC0204	1/8-28	1/4	6	12	22.2	10
UBMC0404	1/4-19	1/4	6	15	27	14
UBMC0406	1/4-19	3/8	10	15	25	12.5
UBMC0604	3/8-19	1/4	6	19	28.5	15
UBMC0606	3/8-19	3/8	10	19	29	14.5
UBMC0806	1/2-14	3/8	10	22	34.5	19
UBMC0808	1/2-14	1/2	12	22	35.1	19
UBMC1212	3/4-14	3/4	19	27	37.1	19
UBMC1612	1"-11	3/4	19	36	43.1	24
UBMC1616	1"-11	1"	25	36	44.1	24
UBMC2020	1"1/4-11	1"1/4	32	46	49.5	24.5
UBMC2424	1"1/2-11	1"1/2	38	50	51	25
UBMC3232	2"-11	2"	51	65	53	26



ONE PIECE WIRE BRAIDED HOSES BSP FITTINGS 60°
 INSERTI BSP 60° ONE PIECE TUBI TRECCIATI

UBOG

RNR - BSP BANJO
 RNR - OCCHIO BSP

Thread - Filetto: BSP

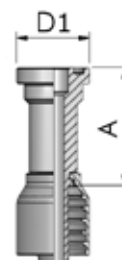
Code Article Codice Articolo	Hose Tubo		Dimensions (mm) Dimensioni (mm)			
	Inch/Pollici	DN (mm)	A	R	D1	S
UBOG0204	1/4	6	24.8	8.5	1/8	10
UBOG0404	1/4	6	23.3	12	1/4	14
UBOG0406	3/8	10	23.4	12	1/4	14
UBOG0604	1/4	6	26.8	14	3/8	17
UBOG0606	3/8	10	26.9	14	3/8	17
UBOG0608	1/2	12	27.5	14	3/8	17
UBOG0806	3/8	10	29	18	1/2	23
UBOG0808	1/2	12	29.6	18	1/2	23
UBOG1206	3/8	10	46	23	3/4	29
UBOG1208	1/2	12	39	22.5	3/4	29.5
UBOG1210	5/8	16	39	22.5	3/4	29.5
UBOG1212	3/4	19	40	22.5	3/4	29.5
UBOG1612	3/4	19	46.6	29	1"	38
UBOG1616	1"	25	47	29	1"	38

Notes

FOR HOSE:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

Note

PER TUBO:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM



ONE PIECE WIRE BRAIDED HOSES FLANGES
 FLANGE ONE PIECE TUBI TRECCIATI

UBFLPI3

SFL - SAE FLANGE 3000 PSI
 SFL - FLANGIA SAE 3000 PSI

Norme - Norma: SAE J518

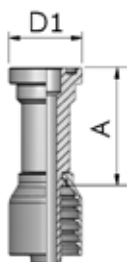
Code Article Codice Articolo	Flange Flangia	Hose Tubo		Dimensions (mm) Dimensioni (mm)	
		Inch/Pollici	DN (mm)	D1	A
UBFLPI30808	1/2	1/2	12	30.2	48.8
UBFLPI31208	3/4	1/2	12	38.1	52.8
UBFLPI31210	3/4	5/8	16	38.1	50.8
UBFLPI31212	3/4	3/4	19	38.1	54.6
UBFLPI31612	1"	3/4	19	44.5	60.6
UBFLPI31616	1"	1"	25	44.5	60.8
UBFLPI32016	1"1/4	1"	25	50.8	65.3
UBFLPI32020	1"1/4	1"1/4	32	50.8	65.8
UBFLPI32420	1"1/2	1"1/4	32	60.4	71.3
UBFLPI32424	1"1/2	1"1/2	38	60.4	70.9
UBFLPI33232	2"	2"	51	71.4	77.5

Notes

FOR HOSE:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

Note

PER TUBO:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM



ONE PIECE WIRE BRAIDED HOSES FLANGES
FLANGE ONE PIECE TUBI TRECCIATI

UBFLPI6

SFS - SAE FLANGE 6000 PSI
SFS - FLANGIA SAE 6000 PSI

Norme - Norma: SAE J518

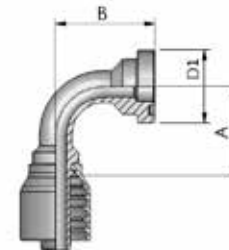
Notes

FOR HOSE:
SAE 100 R1/2T
SAE 100 R17/R16S
DIN EN 853 1/2SN
DIN EN 857 1/2SC
1/2SNK PREMIUM

Code Article Codice Articolo	Flange Flangia	Hose Tubo		Dimensions (mm) Dimensioni (mm)	
		Inch/Pollici	DN (mm)	D1	A
UBFLPI60808	1/2	1/2	12	31.7	48.8
UBFLPI61208	3/4	1/2	12	41.3	56.8
UBFLPI61210	3/4	5/8	16	41.3	54.8
UBFLPI61212	3/4	3/4	19	41.3	58.6
UBFLPI61612	1"	3/4	19	47.6	64.6
UBFLPI61616	1"	1"	25	47.6	66.1
UBFLPI62016	1"1/4	1"	25	54	71.1
UBFLPI62020	1"1/4	1"1/4	32	54	72.3
UBFLPI62420	1"1/2	1"1/4	32	63.5	81.8
UBFLPI62424	1"1/2	1"1/2	38	63.5	81.4
UBFLPI63232	2"	2"	51	79.4	100.5

Note

PER TUBO:
SAE 100 R1/2T
SAE 100 R17/R16S
DIN EN 853 1/2SN
DIN EN 857 1/2SC
1/2SNK PREMIUM



ONE PIECE WIRE BRAIDED HOSES FLANGES
FLANGE ONE PIECE TUBI TRECCIATI

UBFLPI390

SFL 90° - SAE FLANGE 90° 3000 PSI
SFL 90° - FLANGIA 90° SAE 3000 PSI

Norme - Norma: SAE J518

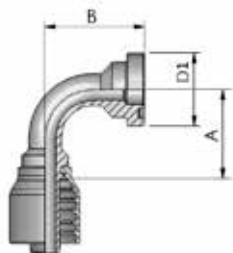
Notes

FOR HOSE:
SAE 100 R1/2T
SAE 100 R17/R16S
DIN EN 853 1/2SN
DIN EN 857 1/2SC
1/2SNK PREMIUM

Code Article Codice Articolo	Flange Flangia	Hose Tubo		Dimensions (mm) Dimensioni (mm)		
		Inch/Pollici	DN (mm)	D1	A	B
UBFLPI3900806	1/2	3/8	10	30.2	34	37
UBFLPI3900808	1/2	1/2	12	30.2	39	42
UBFLPI3901208	3/4	1/2	12	38.1	39	47
UBFLPI3901210	3/4	5/8	16	38.1	48	50
UBFLPI3901212	3/4	3/4	19	38.1	50	50
UBFLPI3901612	1"	3/4	19	44.5	50	53
UBFLPI3901616	1"	1"	25	44.5	72	70
UBFLPI3902016	1"1/4	1"	25	50.8	72	67
UBFLPI3902020	1"1/4	1"1/4	32	50.8	88	73
UBFLPI3902420	1"1/2	1"1/4	32	60.4	88	78
UBFLPI3902424	1"1/2	1"1/2	38	60.4	108	88
UBFLPI3903232	2"	2"	51	71.5	126	130

Note

PER TUBO:
SAE 100 R1/2T
SAE 100 R17/R16S
DIN EN 853 1/2SN
DIN EN 857 1/2SC
1/2SNK PREMIUM

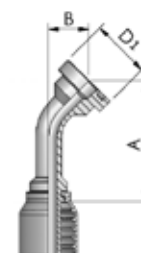


ONE PIECE WIRE BRAIDED HOSES FLANGES
FLANGE ONE PIECE TUBI TRECCIATI

UBFLPI690

SFS 90° - SAE FLANGE 90° 6000 PSI
SFS 90° - FLANGIA 90° SAE 6000 PSI

Norme - Norma: SAE J518



ONE PIECE WIRE BRAIDED HOSES FLANGES
FLANGE ONE PIECE TUBI TRECCIATI

UBFLPI345

SFL 45° - SAE FLANGE 45° 3000 PSI
SFL 45° - FLANGIA 45° SAE 3000 PSI

Norme - Norma: SAE J518

Notes

FOR HOSE:
SAE 100 R1/2T
SAE 100 R17/R16S
DIN EN 853 1/2SN
DIN EN 857 1/2SC
1/2SNK PREMIUM

Note

PER TUBO:
SAE 100 R1/2T
SAE 100 R17/R16S
DIN EN 853 1/2SN
DIN EN 857 1/2SC
1/2SNK PREMIUM

Code Article Codice Articolo	Flange Flangia	Hose Tubo		Dimensions (mm) Dimensioni (mm)		
		Inch/Pollici	DN (mm)	D1	A	B
UBFLPI6900808	1/2	1/2	12	31.7	39	43
UBFLPI6901208	3/4	1/2	12	41.3	39	51
UBFLPI6901210	3/4	5/8	16	41.3	48	54
UBFLPI6901212	3/4	3/4	19	41.3	50	54
UBFLPI6901612	1"	3/4	19	47.6	50	60
UBFLPI6901616	1"	1"	25	47.6	72	71
UBFLPI6902016	1"1/4	1"	25	54	72	78
UBFLPI6902020	1"1/4	1"1/4	32	54	88	84
UBFLPI6902420	1"1/2	1"1/4	32	63.5	88	93
UBFLPI6902424	1"1/2	1"1/2	38	63.5	99	101
UBFLPI6903224	2"	1"1/2	38	79.4	105	109
UBFLPI6903232	2"	2"	51	79.4	127	133

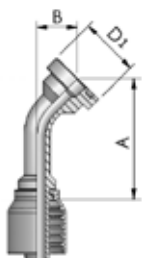
Notes

FOR HOSE:
SAE 100 R1/2T
SAE 100 R17/R16S
DIN EN 853 1/2SN
DIN EN 857 1/2SC
1/2SNK PREMIUM

Note

PER TUBO:
SAE 100 R1/2T
SAE 100 R17/R16S
DIN EN 853 1/2SN
DIN EN 857 1/2SC
1/2SNK PREMIUM

Code Article Codice Articolo	Flange Flangia	Hose Tubo		Dimensions (mm) Dimensioni (mm)		
		Inch/Pollici	DN (mm)	D1	A	B
UBFLPI3450808	1/2	1/2	12	30.2	64	21
UBFLPI3451208	3/4	1/2	12	38.1	68	25
UBFLPI3451210	3/4	5/8	16	38.1	78	25
UBFLPI3451212	3/4	3/4	19	38.1	80	24
UBFLPI3451612	1"	3/4	19	44.5	82	27
UBFLPI3451616	1"	1"	25	44.5	113	34
UBFLPI3452016	1"1/4	1"	25	50.8	111	31
UBFLPI3452020	1"1/4	1"1/4	32	50.8	129	32
UBFLPI3452420	1"1/2	1"1/4	32	60.4	133	36
UBFLPI3452424	1"1/2	1"1/2	38	60.4	116	41
UBFLPI3453232	2"	2"	51	71.4	148	60



ONE PIECE WIRE BRAIDED HOSES FLANGES
FLANGE ONE PIECE TUBI TRECCIATI

UBFLPI645

SFS 45° - SAE FLANGE 45° 6000 PSI
SFS 45° - FLANGIA 45° SAE 6000 PSI

Norme - Norma: SAE J518

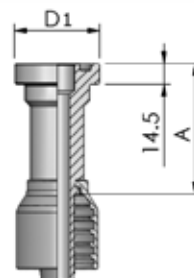
Notes

FOR HOSE:
SAE 100 R1/2T
SAE 100 R17/R16S
DIN EN 853 1/2SN
DIN EN 857 1/2SC
1/2SNK PREMIUM

Code Article Codice Articolo	Flange Flangia	Hose Tubo		Dimensions (mm) Dimensioni (mm)		
		Inch/Pollici	DN (mm)	D1	A	B
UBFLPI6450808	1/2	1/2	12	31.7	65	22
UBFLPI6451208	3/4	1/2	12	41.3	71	28
UBFLPI6451210	3/4	5/8	16	41.3	81	28
UBFLPI6451212	3/4	3/4	19	41.3	83	27
UBFLPI6451612	1"	3/4	19	47.6	87	31
UBFLPI6451616	1"	1"	25	47.6	114	34
UBFLPI6452016	1"1/4	1"	25	54	119	39
UBFLPI6452020	1"1/4	1"1/4	32	54	137	40
UBFLPI6452420	1"1/2	1"1/4	32	63.5	143	46
UBFLPI6452424	1"1/2	1"1/2	38	63.5	158	46
UBFLPI6453232	2"	2"	51	79.4	203	59

Note

PER TUBO:
SAE 100 R1/2T
SAE 100 R17/R16S
DIN EN 853 1/2SN
DIN EN 857 1/2SC
1/2SNK PREMIUM



ONE PIECE WIRE BRAIDED HOSES FLANGES
FLANGE ONE PIECE TUBI TRECCIATI

UBFLPIR6

SFC - SUPERCAT FLANGE
SFC - FLANGIA SUPERCAT

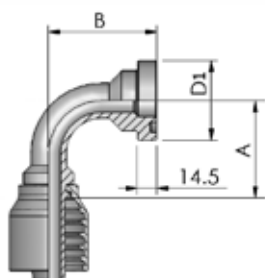
Notes

FOR HOSE:
SAE 100 R1/2T
SAE 100 R17/R16S
DIN EN 853 1/2SN
DIN EN 857 1/2SC
1/2SNK PREMIUM

Code Article Codice Articolo	Flange Flangia	Hose Tubo		Dimensions (mm) Dimensioni (mm)	
		Inch/Pollici	DN (mm)	D1	A
UBFLPIR61212	3/4	3/4	19	41.3	65.8
UBFLPIR61612	1"	3/4	19	47.6	69.6
UBFLPIR61616	1"	1"	25	47.6	71.1
UBFLPIR62016	1"1/4	1"	25	54	75
UBFLPIR62020	1"1/4	1"1/4	32	54	76.5

Note

PER TUBO:
SAE 100 R1/2T
SAE 100 R17/R16S
DIN EN 853 1/2SN
DIN EN 857 1/2SC
1/2SNK PREMIUM



ONE PIECE WIRE BRAIDED HOSES FLANGES
FLANGE ONE PIECE TUBI TRECCIATI

UBFLPIR690

SFC 90° - SUPERCAT FLANGE 90°
SFC 90° - FLANGIA 90° SUPERCAT

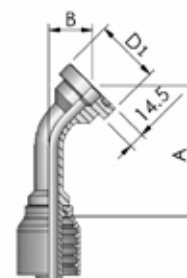
Code Article Codice Articolo	Flange Flangia	Hose Tubo		Dimensions (mm) Dimensioni (mm)		
		Inch/Pollici	DN (mm)	D1	A	B
UBFLPIR6901212	3/4	3/4	19	41.3	50	60
UBFLPIR6901612	1"	3/4	19	47.6	50	65
UBFLPIR6901616	1"	1"	25	47.6	72	76
UBFLPIR6902016	1"1/4	1"	25	54	72	82
UBFLPIR6902020	1"1/4	1"1/4	32	54	88	88

Notes

FOR HOSE:
SAE 100 R1/2T
SAE 100 R17/R16S
DIN EN 853 1/2SN
DIN EN 857 1/2SC
1/2SNK PREMIUM

Note

PER TUBO:
SAE 100 R1/2T
SAE 100 R17/R16S
DIN EN 853 1/2SN
DIN EN 857 1/2SC
1/2SNK PREMIUM



ONE PIECE WIRE BRAIDED HOSES FLANGES
FLANGE ONE PIECE TUBI TRECCIATI

UBFLPIR645

SFC 45° - SUPERCAT FLANGE 45°
SFC 45° - FLANGIA 45° SUPERCAT

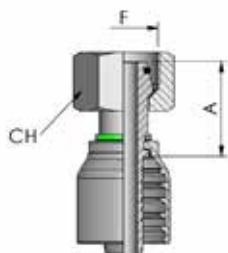
Code Article Codice Articolo	Flange Flangia	Hose Tubo		Dimensions (mm) Dimensioni (mm)		
		Inch/Pollici	DN (mm)	D1	A	B
UBFLPIR6451212	3/4	3/4	19	41.3	87	31
UBFLPIR6451612	1"	3/4	19	47.6	91	35
UBFLPIR6451616	1"	1"	25	47.6	117	38
UBFLPIR6452016	1"1/4	1"	25	54	122	42
UBFLPIR6452020	1"1/4	1"1/4	32	54	140	43

Notes

FOR HOSE:
SAE 100 R1/2T
SAE 100 R17/R16S
DIN EN 853 1/2SN
DIN EN 857 1/2SC
1/2SNK PREMIUM

Note

PER TUBO:
SAE 100 R1/2T
SAE 100 R17/R16S
DIN EN 853 1/2SN
DIN EN 857 1/2SC
1/2SNK PREMIUM



ONE PIECE WIRE BRAIDED HOSES METRIC FITTINGS 24°
 INSERTI METRICI 24° ONE PIECE TUBI TRECCIATI

UBFEL

DKOL - METRIC O-RING FEMALE, 24° CONE, LIGHT
 DKOL - FEMMINA METRICA O-RING, CONO 24°, SERIE LEGGERA

Thread - Filetto: METRICO - METRIC
 Norme - Norma: DIN 3865

Notes

FOR HOSE:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

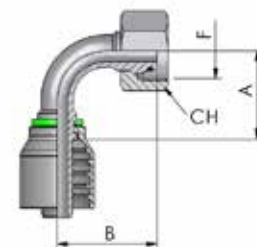
* CRIMPED NUT

Note

PER TUBO:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

* DADO PINZATO

Code Article Codice Articolo	Thread Filetto	Hose Tubo		Standpipe Codolo	Dimensions (mm) Dimensioni (mm)		
		Inch/Pollici	DN (mm)		mm	CH	A
UBFEL0604*	M12x1,5	1/4	6	6	14	26.5	
UBFEL0804	M14x1,5	1/4	6	8	17	22.4	
UBFEL1004	M16x1,5	1/4	6	10	19	24.6	
UBFEL1006*	M16x1,5	3/8	10	10	19	28.5	
UBFEL1204	M18x1,5	1/4	6	12	22	23.9	
UBFEL1206	M18x1,5	3/8	10	12	22	24	
UBFEL1506	M22x1,5	3/8	10	15	27	25.2	
UBFEL1508	M22x1,5	1/2	12	15	27	25.8	
UBFEL1808	M26x1,5	1/2	12	18	32	26.8	
UBFEL1810	M26x1,5	5/8	16	18	32	26.8	
UBFEL2210	M30x2	5/8	16	22	36	28.8	
UBFEL2212	M30x2	3/4	19	22	36	29.8	
UBFEL2816	M36x2	1"	25	28	41	31.3	
UBFEL3520	M45x2	1"1/4	32	35	50	36.4	
UBFEL4224	M52x2	1"1/2	38	42	60	38.4	



ONE PIECE WIRE BRAIDED HOSES METRIC FITTINGS 24°
 INSERTI METRICI 24° ONE PIECE TUBI TRECCIATI

UBC90EL

DKOL 90° - METRIC O-RING FEMALE 90°, 24° CONE, LIGHT
 DKOL 90° - FEMMINA 90° METRICA O-RING, CONO 24°, SERIE LEGGERA

Thread - Filetto: METRICO - METRIC
 Norme - Norma: DIN 3865

Notes

FOR HOSE:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

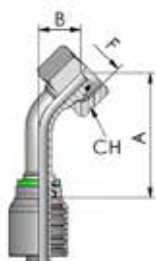
* CRIMPED NUT

Note

PER TUBO:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

* DADO PINZATO

Code Article Codice Articolo	Thread Filetto	Hose Tubo		Standpipe Codolo	Dimensions (mm) Dimensioni (mm)		
		Inch/Pollici	DN (mm)		mm	CH	A
UBC90EL0604*	M12x1,5	1/4	6	6	14	23	38
UBC90EL0804	M14x1,5	1/4	6	8	17	29	35
UBC90EL1004	M16x1,5	1/4	6	10	19	29	37
UBC90EL1006*	M16x1,5	3/8	10	10	19	35	45
UBC90EL1204	M18x1,5	1/4	6	12	22	33	31
UBC90EL1206	M18x1,5	3/8	10	12	22	38	35
UBC90EL1506	M22x1,5	3/8	10	15	27	38	37
UBC90EL1508	M22x1,5	1/2	12	15	27	40	41
UBC90EL1808	M26x1,5	1/2	12	18	32	38	45
UBC90EL1810	M26x1,5	5/8	16	18	32	46	48
UBC90EL2212	M30x2	3/4	19	22	36	52	50
UBC90EL2816	M36x2	1"	25	28	41	72	65
UBC90EL3520	M45x2	1"1/4	32	35	50	98	77
UBC90EL4224	M52x2	1"1/2	38	42	60	105	96



ONE PIECE WIRE BRAIDED HOSES METRIC FITTINGS 24°
 INSERTI METRICI 24° ONE PIECE TUBI TRECCIATI

UBC45EL

DKOL 45° - METRIC O-RING FEMALE 45°, 24° CONE, LIGHT
 DKOL 45° - FEMMINA 45° METRICA O-RING, CONO 24°, SERIE LEGGERA

Thread - Filetto: METRICO - METRIC
 Norme - Norma: DIN 3865

Code Article Codice Articolo	Thread Filetto	Hose Tubo		Standpipe Codolo	Dimensions (mm) Dimensioni (mm)		
		Inch/Pollici	DN (mm)		mm	CH	A
UBC45EL0604*	M12x1,5	1/4	6	6	14	47	22
UBC45EL0804	M14x1,5	1/4	6	8	17	50	17
UBC45EL1004	M16x1,5	1/4	6	10	19	52	18
UBC45EL1006*	M16x1,5	3/8	10	10	19	63	25
UBC45EL1204	M18x1,5	1/4	6	12	22	52	17
UBC45EL1206	M18x1,5	3/8	10	12	22	58	18
UBC45EL1506	M22x1,5	3/8	10	15	27	60	19
UBC45EL1508	M22x1,5	1/2	12	15	27	65	21
UBC45EL1808	M26x1,5	1/2	12	18	32	65	23
UBC45EL1810	M26x1,5	5/8	16	18	32	74	23
UBC45EL2212	M30x2	3/4	19	22	36	80	24
UBC45EL2812	M36x2	3/4	19	28	41	102	35
UBC45EL2816	M36x2	1"	25	28	41	109	30
UBC45EL3520	M45x2	1"1/4	32	35	50	142	34
UBC45EL4224	M52x2	1"1/2	38	42	60	160	43

Notes

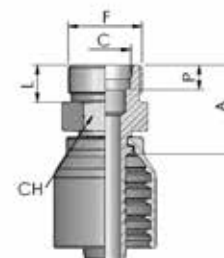
FOR HOSE:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

* CRIMPED NUT

Note

PER TUBO:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

* DADO PINZATO



ONE PIECE WIRE BRAIDED HOSES METRIC FITTINGS 24°
 INSERTI METRICI 24° ONE PIECE TUBI TRECCIATI

UBMEEL

CEL - METRIC MALE, 24° CONE, LIGHT
 CEL - MASCHIO METRICO, CONO 24°, SERIE LEGGERA

Thread - Filetto: METRICO - METRIC
 Norme - Norma: DIN 3861

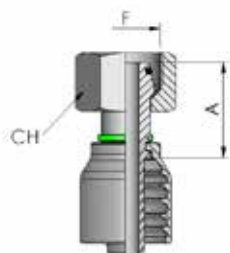
Code Article Codice Articolo	Thread Filetto	Hose Tubo		Standpipe Codolo	Dimensions (mm) Dimensioni (mm)			
		Inch/Pollici	DN (mm)		mm	CH	A	P
UBMEEL0604	M12x1,5	1/4	6	6	12	20.9	7	10
UBMEEL0804	M14x1,5	1/4	6	8	14	21.9	7	10
UBMEEL1004	M16x1,5	1/4	6	10	17	22.9	7	11
UBMEEL1006	M16x1,5	3/8	10	10	17	23.5	7	11
UBMEEL1204	M18x1,5	1/4	6	12	19	23.9	7	11
UBMEEL1206	M18x1,5	3/8	10	12	19	24.5	7	11
UBMEEL1506	M22x1,5	3/8	10	15	22	25.5	7	12
UBMEEL1508	M22x1,5	1/2	12	15	22	26.1	7	12
UBMEEL1808	M26x1,5	1/2	12	18	27	27.1	7.5	12
UBMEEL1810	M26x1,5	5/8	16	18	27	27.1	7.5	12
UBMEEL2210	M30x2	5/8	16	22	30	29	7.5	14
UBMEEL2212	M30x2	3/4	19	22	30	30.1	7.5	14
UBMEEL2816	M36x2	1"	25	28	36	32.1	7.5	14
UBMEEL3520	M45x2	1"1/4	32	35	46	36.5	10.5	16
UBMEEL4224	M52x2	1"1/2	38	42	55	39	11	16

Notes

FOR HOSE:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

Note

PER TUBO:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM



ONE PIECE WIRE BRAIDED HOSES METRIC FITTINGS 24°
 INSERTI METRICI 24° ONE PIECE TUBI TRECCIATI

UBFES

DKOS - METRIC O-RING FEMALE, 24° CONE, HEAVY
 DKOS - FEMMINA METRICA O-RING, CONO 24°, SERIE PESANTE

Thread - Filetto: METRICO - METRIC
 Norme - Norma: DIN 3865

Notes

FOR HOSE:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

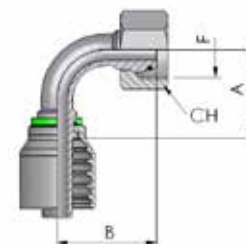
* CRIMPED NUT

Code Article Codice Articolo	Thread Filetto	Hose Tubo		Standpipe Codolo	Dimensions (mm) Dimensioni (mm)		
		Inch/Pollici	DN (mm)		mm	CH	A
UBFES0604*	M14x1,5	1/4	6	6	17	26.5	
UBFES0804	M16x1,5	1/4	6	8	19	22.4	
UBFES1004	M18x1,5	1/4	6	10	22	24.6	
UBFES1006*	M18x1,5	3/8	10	10	22	28.5	
UBFES1204	M20x1,5	1/4	6	12	24	23.9	
UBFES1206	M20x1,5	3/8	10	12	24	24	
UBFES1406	M22x1,5	3/8	10	14	27	28.7	
UBFES1608	M24x1,5	1/2	12	16	30	28.9	
UBFES1610	M24x1,5	5/8	16	16	30	30	
UBFES2010	M30x2	5/8	16	20	36	31.5	
UBFES2012	M30x2	3/4	19	20	36	32.5	
UBFES2512	M36x2	3/4	19	25	46	37.5	
UBFES2516	M36x2	1"	25	25	46	36.9	
UBFES3016	M42x2	1"	25	30	50	40.1	
UBFES3020	M42x2	1"1/4	32	30	50	41	
UBFES3820	M52x2	1"1/4	32	38	60	44.2	

Note

PER TUBO:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

* DADO PINZATO



ONE PIECE WIRE BRAIDED HOSES METRIC FITTINGS 24°
 INSERTI METRICI 24° ONE PIECE TUBI TRECCIATI

UBC90ES

DKOS 90° - METRIC O-RING FEMALE 90°, 24° CONE, HEAVY
 DKOS 90° - FEMMINA 90° METRICA O-RING, CONO 24°, SERIE PESANTE

Thread - Filetto: METRICO - METRIC
 Norme - Norma: DIN 3865

Notes

FOR HOSE:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

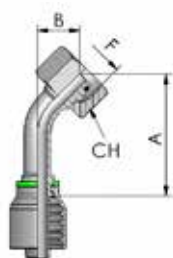
* CRIMPED NUT

Code Article Codice Articolo	Thread Filetto	Hose Tubo		Standpipe Codolo	Dimensions (mm) Dimensioni (mm)			
		Inch/Pollici	DN (mm)		mm	CH	A	B
UBC90ES0604*	M14x1,5	1/4	6	6	17	23	38	
UBC90ES0804	M16x1,5	1/4	6	8	19	29	35	
UBC90ES1004	M18x1,5	1/4	6	10	22	29	37	
UBC90ES1006*	M18x1,5	3/8	10	10	22	35	45	
UBC90ES1204	M20x1,5	1/4	6	12	24	33	31	
UBC90ES1206	M20x1,5	3/8	10	12	24	38	35	
UBC90ES1406	M22x1,5	3/8	10	14	27	36	38	
UBC90ES1608	M24x1,5	1/2	12	16	30	38	44	
UBC90ES2008	M30x2	1/2	12	20	36	50	65	
UBC90ES2010	M30x2	5/8	16	20	36	46	51	
UBC90ES2012	M30x2	3/4	19	20	36	52	51	
UBC90ES2512	M36x2	3/4	19	25	46	52	55	
UBC90ES2516	M36x2	1"	25	25	46	72	66	
UBC90ES3016	M42x2	1"	25	30	50	72	70	
UBC90ES3020	M42x2	1"1/4	32	30	50	95	85	
UBC90ES3820	M52x2	1"1/4	32	38	60	99	81	

Note

PER TUBO:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

* DADO PINZATO



ONE PIECE WIRE BRAIDED HOSES METRIC FITTINGS 24°
 INSERTI METRICI 24° ONE PIECE TUBI TRECCIATI

UBC45ES

DKOS 45° - METRIC O-RING FEMALE 45°, 24° CONE, HEAVY
 DKOS 45° - FEMMINA 45° METRICA O-RING, CONO 24°, SERIE PESANTE

Thread - Filetto: METRICO - METRIC
 Norme - Norma: DIN 3865

Code Article Codice Articolo	Thread Filetto	Hose Tubo		Standpipe Codolo	Dimensions (mm) Dimensioni (mm)		
		Inch/Pollici	DN (mm)		mm	CH	A
UBC45ES0604*	M14X1,5	1/4	6	6	17	47	22
UBC45ES0804	M16x1,5	1/4	6	8	19	50	17
UBC45ES1004	M18x1,5	1/4	6	10	22	52	18
UBC45ES1006*	M18x1,5	3/8	10	10	22	63	25
UBC45ES1204	M20x1,5	1/4	6	12	24	53	17
UBC45ES1206	M20x1,5	3/8	10	12	24	58	18
UBC45ES1406	M22x1,5	3/8	10	14	27	59	20
UBC45ES1608	M24x1,5	1/2	12	16	30	64	22
UBC45ES2010	M30x2	5/8	16	20	36	77	26
UBC45ES2012	M30x2	3/4	19	20	36	82	25
UBC45ES2512	M36x2	3/4	19	25	46	84	28
UBC45ES2516	M36x2	1"	25	25	46	110	31
UBC45ES3016	M42x2	1"	25	30	50	113	33
UBC45ES3020	M42x2	1"1/4	32	30	50	140	45
UBC45ES3820	M52x2	1"1/4	32	38	60	146	38

Notes

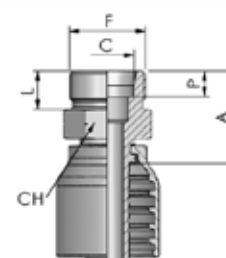
FOR HOSE:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

* CRIMPED NUT

Note

PER TUBO:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

* DADO PINZATO



ONE PIECE WIRE BRAIDED HOSES METRIC FITTINGS 24°
 INSERTI METRICI 24° ONE PIECE TUBI TRECCIATI

UBMES

CES - METRIC MALE, 24° CONE, HEAVY
 CES - MASCHIO METRICO, CONO 24°, SERIE PESANTE

Thread - Filetto: METRICO - METRIC
 Norme - Norma: DIN 3861

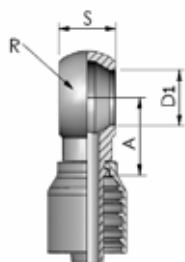
Code Article Codice Articolo	Thread Filetto	Hose Tubo		Standpipe Codolo	Dimensions (mm) Dimensioni (mm)			
		Inch/Pollici	DN (mm)		mm	CH	A	P
UBMES0604	M14X1,5	1/4	6	6	14	23.9	7	12
UBMES0804	M16x1,5	1/4	6	8	17	26.9	7	12
UBMES1004	M18x1,5	1/4	6	10	19	26.9	7.5	12
UBMES1006	M18x1,5	3/8	10	10	19	27.5	7.5	12
UBMES1206	M20x1,5	3/8	10	12	22	29.5	7.5	12
UBMES1406	M22x1,5	3/8	10	14	22	31.5	8	14
UBMES1408	M22x1,5	1/2	12	14	22	32.1	8	14
UBMES1608	M24x1,5	1/2	12	16	24	32.1	8.5	14
UBMES2010	M30x2	5/8	16	20	30	36.1	10.5	16
UBMES2012	M30x2	3/4	19	20	30	37.1	10.5	16
UBMES2512	M36x2	3/4	19	25	36	41.1	12	18
UBMES2516	M36x2	1"	25	25	36	42.1	12	18
UBMES3016	M42x2	1"	25	30	46	44.1	13.5	20
UBMES3816	M52x2	1"	25	38	55	45	16	22
UBMES3820	M52x2	1"1/4	32	38	55	48.5	16	22
UBMES3824	M52x2	1"1/2	38	38	55	42.5	16	22

Notes

FOR HOSE:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

Note

PER TUBO:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM



ONE PIECE WIRE BRAIDED HOSES METRIC FITTINGS 60°
 INSERTI METRICI 60° ONE PIECE TUBI TRECCIATI

UBOM

RNM - METRIC BANJO
 RNM - OCCHIO METRICO

Thread - Filetto: METRICO - METRIC
 Norme - Norma: DIN 7642

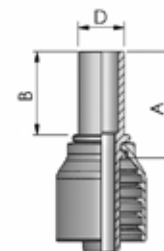
Notes

FOR HOSE:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

Note

PER TUBO:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

Code Article Codice Articolo	Hose Tubo		Dimensions (mm) Dimensioni (mm)			
	Inch/Pollici	DN (mm)	A	R	D1	S
UBOM1004	1/4	6	24.8	8.5	M10	10
UBOM1204	1/4	6	28.3	10	M12	12
UBOM1404	1/4	6	24.8	12	M14	14
UBOM1406	3/8	10	25.4	12	M14	14
UBOM1604	1/4	6	26.7	14	M16	17
UBOM1606	3/8	10	26.9	14	M16	17
UBOM1804	1/4	6	31.9	16	M18	20
UBOM1806	3/8	10	32.3	16	M18	20
UBOM1808	1/2	12	29.3	16	M18	20
UBOM2006	3/8	10	27.8	17.5	M20	22
UBOM2008	1/2	12	28.3	17.5	M20	22
UBOM2206	3/8	10	32.3	18	M22	22
UBOM2208	1/2	12	29.6	18	M22	22
UBOM2210	5/8	16	30.5	18	M22	22
UBOM2610	5/8	16	38	22.5	M26	29
UBOM2612	3/4	19	38	22.5	M26	29



ONE PIECE WIRE BRAIDED HOSES STANDPIPES
 CODOLI ONE PIECE TUBI TRECCIATI

UBCOD

BEL/BES - METRIC STANDPIPE
 BEL/BES - CODOLO METRICO DIRITTO

Norme - Norma: DIN 2353

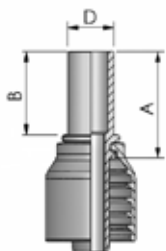
Notes

FOR HOSE:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

Note

PER TUBO:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

Code Article Codice Articolo	Hose Tubo		D Standpipe D Codolo	Dimensions (mm) Dimensioni (mm)	
	Inch/Pollici	DN (mm)	mm	A	B
UBCOD0604	1/4	6	6	31.2	24
UBCOD0804	1/4	6	8	31.2	24
UBCOD1004	1/4	6	10	31.2	24
UBCOD1006	3/8	10	10	31.5	24
UBCOD1204	1/4	6	12	32	27.3
UBCOD1206	3/8	10	12	32.5	25
UBCOD1208	1/2	12	12	33.1	25
UBCOD1406	3/8	10	14	36.3	29
UBCOD1408	1/2	12	14	37.1	29
UBCOD1506	3/8	10	15	36.5	29
UBCOD1508	1/2	12	15	36.8	29
UBCOD1608	1/2	12	16	37.1	29
UBCOD1808	1/2	12	18	37.1	29
UBCOD1810	5/8	16	18	36.8	29
UBCOD1812	3/4	19	18	37.5	29
UBCOD2008	1/2	12	20	43.8	38.5
UBCOD2010	5/8	16	20	43.8	36
UBCOD2012	3/4	19	20	44.5	36
UBCOD2210	5/8	16	22	36.8	29
UBCOD2212	3/4	19	22	37.5	29
UBCOD2512	3/4	19	25	44.5	36
UBCOD2516	1"	25	25	46.1	36
UBCOD2816	1"	25	28	45.8	36

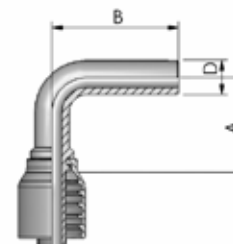


ONE PIECE WIRE BRAIDED HOSES STANDPIPES
 CODOLI ONE PIECE TUBI TRECCIATI

UBCOD

BEL/BES - METRIC STANDPIPE
 BEL/BES - CODOLO METRICO DIRITTO

Norme - Norma: DIN 2353



ONE PIECE WIRE BRAIDED HOSES STANDPIPES
 CODOLI ONE PIECE TUBI TRECCIATI

UBCOD90

BEL/BES 90° - METRIC STANDPIPE 90°
 BEL/BES 90° - CODOLO METRICO 90°

Norme - Norma: DIN 2353

Notes

FOR HOSE:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

Code Article Codice Articolo	Hose Tubo		D Standpipe D Codolo	Dimensions (mm) Dimensioni (mm)	
	Inch/Pollici	DN (mm)		A	B
UBCOD3016	1"	25	30	46.1	36
UBCOD3020	1"1/4	32	30	51	38
UBCOD3520	1"1/4	32	35	46	35
UBCOD3820	1"1/4	32	38	53	40
UBCOD3824	1"1/2	38	38	58	45
UBCOD4224	1"1/2	38	42	55	42

Note

PER TUBO:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

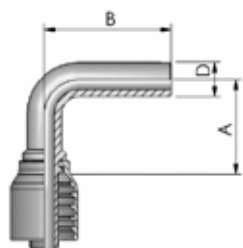
Notes

FOR HOSE:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

Code Article Codice Articolo	Hose Tubo		D Standpipe D Codolo	Dimensions (mm) Dimensioni (mm)	
	Inch/Pollici	DN (mm)		A	B
UBCOD900604	1/4	6	6	28	38
UBCOD900804	1/4	6	8	28	38
UBCOD901004	1/4	6	10	32	36
UBCOD901006	3/8	10	10	32	41
UBCOD901204	1/4	6	12	33	43
UBCOD901206	3/8	10	12	33	44
UBCOD901208	1/2	12	12	33	45
UBCOD901406	3/8	10	14	35	48
UBCOD901408	1/2	12	14	35	48
UBCOD901506	3/8	10	15	38	53
UBCOD901508	1/2	12	15	38	53
UBCOD901608	1/2	12	16	43	56
UBCOD901808	1/2	12	18	45	58
UBCOD901810	5/8	16	18	45	58
UBCOD901812	3/4	19	18	43	57
UBCOD902008	1/2	12	20	48	65
UBCOD902010	5/8	16	20	51	63
UBCOD902012	3/4	19	20	51	66
UBCOD902210	5/8	16	22	47	70
UBCOD902212	3/4	19	22	55	72
UBCOD902512	3/4	19	25	58	74
UBCOD902516	1"	25	25	61	74
UBCOD902816	1"	25	28	68	84

Note

PER TUBO:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM



ONE PIECE WIRE BRAIDED HOSES STANDPIPES
 CODOLI ONE PIECE TUBI TRECCIATI

UBCOD90

BEL/BES 90° - METRIC STANDPIPE 90°
 BEL/BES 90° - CODOLO METRICO 90°

Norme - Norma: DIN 2353

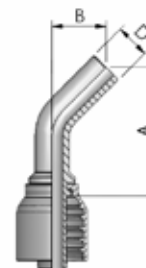
Code Article Codice Articolo	Hose Tubo		D Standpipe D Codolo	Dimensions (mm) Dimensioni (mm)	
	Inch/Pollici	DN (mm)		A	B
UBCOD903016	1"	25	30	76	87
UBCOD903520	1"1/4	32	35	68	95
UBCOD903820	1"1/4	32	38	83	105
UBCOD904220	1"1/4	32	42	96	115
UBCOD904224	1"1/2	38	42	85	110

Notes

FOR HOSE:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

Note

PER TUBO:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM



ONE PIECE WIRE BRAIDED HOSES STANDPIPES
 CODOLI ONE PIECE TUBI TRECCIATI

UBCOD45

BEL/BES 45° - METRIC STANDPIPE 45°
 BEL/BES 45° - CODOLO METRICO 45°

Norme - Norma: DIN 2353

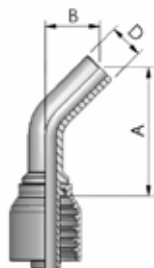
Code Article Codice Articolo	Hose Tubo		D Standpipe D Codolo	Dimensions (mm) Dimensioni (mm)	
	Inch/Pollici	DN (mm)		A	B
UBCOD450604	1/4	6	6	40	22
UBCOD450804	1/4	6	8	46	20
UBCOD451004	1/4	6	10	43	20
UBCOD451006	3/8	10	10	43	22
UBCOD451204	1/4	6	12	52	24
UBCOD451206	3/8	10	12	52	25
UBCOD451406	3/8	10	14	52	25
UBCOD451408	1/2	12	14	52	31
UBCOD451506	3/8	10	15	56	24
UBCOD451508	1/2	12	15	56	24
UBCOD451608	1/2	12	16	54	25
UBCOD451808	1/2	12	18	61	26
UBCOD451810	5/8	16	18	75	33
UBCOD452008	1/2	12	20	67	35
UBCOD452010	5/8	16	20	81	40
UBCOD452012	3/4	19	20	70	40
UBCOD452210	5/8	16	22	77	34
UBCOD452212	3/4	19	22	77	34
UBCOD452512	3/4	19	25	82	36
UBCOD452516	1"	25	25	82	36
UBCOD452816	1"	25	28	87	44
UBCOD453016	1"	25	30	90	44
UBCOD453520	1"1/4	32	35	99	46

Notes

FOR HOSE:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

Note

PER TUBO:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM



ONE PIECE WIRE BRAIDED HOSES STANDPIPES
 CODOLI ONE PIECE TUBI TRECCIATI

UBCOD45

BEL/BES 45° - METRIC STANDPIPE 45°
 BEL/BES 45° - CODOLO METRICO 45°

Norme - Norma: DIN 2353

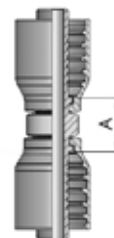
Code Article Codice Articolo	Hose Tubo		D Standpipe D Codolo	Dimensions (mm) Dimensioni (mm)	
	Inch/Pollici	DN (mm)		A	B
UBCOD453820	1"1/4	32	38	104	51
UBCOD453824	1"1/2	38	38	100	54
UBCOD454224	1"1/2	38	42	113	60

Notes

FOR HOSE:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

Note

PER TUBO:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM



ONE PIECE WIRE BRAIDED HOSES HOSE JUNCTION
 GIUNZIONE PER TUBI FLESSIBILI ONE PIECE TUBI TRECCIATI

UBGPG

HOSE JUNCTION
 GIUNZIONE PER TUBI FLESSIBILI

Norme - Norma:

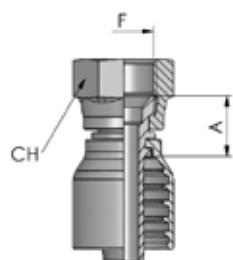
Code Article Codice Articolo	Hose Tubo		Dimensions (mm) Dimensioni (mm)
	Inch/Pollici	DN (mm)	A
UBGPG0404	1/4	6	17
UBGPG0606	3/8	10	17
UBGPG0808	1/2	12	18
UBGPG1010	5/8	16	18
UBGPG1212	3/4	19	19
UBGPG1616	1"	25	21
UBGPG2020	1"1/4	32	24

Notes

FOR HOSE:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

Note

PER TUBO:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM



ONE PIECE WIRE BRAIDED HOSES JIS FITTINGS KOMATSU
 INSERTI JIS ONE PIECE TUBI TRECCIATI

UBFKTS

JISK - JIS KOMATSU FEMALE, 60° CONE
 JISK - FEMMINA JIS KOMATSU, CONO 60°

Thread - Filetto: METRICO - METRIC

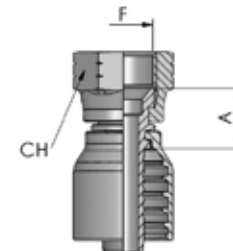
Code Article Codice Articolo	Thread Filetto	Hose Tubo		Dimensions (mm) Dimensioni (mm)	
		Inch/Pollici	DN (mm)	CH	A
UBFKTS1204	12X1,5	1/4	6	17	10.5
UBFKTS1404	14X1,5	1/4	6	19	10.5
UBFKTS1606	16X1,5	3/8	10	22	12
UBFKTS1806	18X1,5	3/8	10	24	12
UBFKTS2008	20X1,5	1/2	12	27	13
UBFKTS2208	22X1,5	1/2	12	27	13.5
UBFKTS2410	24X1,5	5/8	16	30	14

Notes

FOR HOSE:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

Note

PER TUBO:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM



ONE PIECE WIRE BRAIDED HOSES JIS FITTINGS TOYOTA
 INSERTI JIS TOYOTA ONE PIECE TUBI TRECCIATI

UBFJS

JIST - JIS TOYOTA FEMALE, 60° CONE
 JIST - FEMMINA JIS TOYOTA, CONO 60°

Thread - Filetto: BSP

Code Article Codice Articolo	Thread Filetto	Hose Tubo		Dimensions (mm) Dimensioni (mm)	
		Inch/Pollici	DN (mm)	CH	A
UBFJS0404	1/4-19	1/4	6	17	10.5
UBFJS0606	3/8-19	3/8	10	22	12
UBFJS0808	1/2-14	1/2	12	27	13.5
UBFJS1212	3/4-14	3/4	19	32	14
UBFJS1616	1"-11	1"	25	38	15

Notes

FOR HOSE:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

Note

PER TUBO:
 SAE 100 R1/2T
 SAE 100 R17/R16S
 DIN EN 853 1/2SN
 DIN EN 857 1/2SC
 1/2SNK PREMIUM

DRY-SPIRAL ONE PIECE

The combination of **FB Dry-Spiral** fittings and high pressure spiral hoses, united by an innovative crimping process, grants 1.000.000 cycles (Test in accordance with the norm EN6803).

FB Hydraulic wants to assure a constant innovation to its own customers in terms of quality and enlargement of the product range, therefore the range of Dry-Spiral fittings NO SKIVE has been born to meet specific market needs, such as the speed of assembly and the continuous cost reduction.

I raccordi **FB Dry-spiral** ed i tubi spirali ad alta pressione unitamente ad un processo di raccordatura all'avanguardia permettono di garantire 1.000.000 di cicli (test realizzato secondo la norma EN6803).

FB Hydraulic vuole assicurare ai propri clienti un'innovazione costante in termini di qualità e di ampliamento della gamma dei prodotti, pertanto è nata la tipologia di raccordi Dry-spiral NO SKIVE per far fronte a specifiche esigenze di mercato, quali la velocità dei tempi di assemblaggio e la continua riduzione dei costi.

DRY-SPIRAL ONE PIECE FITTINGS
RACCORDI DRY-SPIRAL ONE PIECE



USDFJDE



74

DKJ - DRY-SPIRAL JIC FEMALE THRUST WIRE NUT, DOUBLE HEXAGON 37° CONE
DKJ - DRY-SPIRAL FEMMINA JIC DADO SPINATO, DOPPIO ESAGONO CONO 37°

USDC90J



75

DKJ 90° - DRY-SPIRAL JIC FEMALE 90° THRUST WIRE NUT, 37° CONE
DKJ 90° - DRY-SPIRAL FEMMINA 90° JIC DADO SPINATO, CONO 37°

USDCL90J



76

DKJ 90° - DRY-SPIRAL JIC LONG FEMALE 90° THRUST WIRE NUT, 37° CONE
DKJ 90° - DRY-SPIRAL FEMMINA 90° JIC LUNGA DADO SPINATO, CONO 37°

USDC45J



77

DKJ 45° - DRY-SPIRAL JIC FEMALE 45° THRUST WIRE NUT, 37° CONE
DKJ 45° - DRY-SPIRAL FEMMINA 45° JIC DADO SPINATO, CONO 37°

USDFLPI3



90

SFL - DRY-SPIRAL SAE FLANGE 3000 PSI
SFL - DRY-SPIRAL FLANGIA SAE 3000 PSI

USDFLPI6



91

SFS - DRY-SPIRAL SAE FLANGE 6000 PSI
SFS - DRY-SPIRAL FLANGIA SAE 6000 PSI

USDFLPI390



92

SFL 90° - DRY-SPIRAL SAE FLANGE 90° 3000 PSI
SFL 90° - DRY-SPIRAL FLANGIA 90° SAE 3000 PSI

USDFLPI690



93

SFS 90° - DRY-SPIRAL SAE FLANGE 90° 6000 PSI
SFS 90° - DRY-SPIRAL FLANGIA 90° SAE 6000 PSI

USDMJ



78

AGJ - DRY-SPIRAL JIC MALE, 37° CONE
AGJ - DRY-SPIRAL MASCHIO JIC, CONO 37°

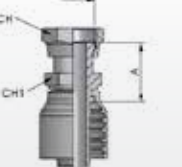
USDMNPT



79

AGN - DRY-SPIRAL NPTF MALE
AGN - DRY-SPIRAL MASCHIO NPTF

USDFORFSDE



80

DKO - DRY-SPIRAL ORFS FEMALE DOUBLE HEXAGON
DKO - DRY-SPIRAL FEMMINA ORFS DOPPIO ESAGONO

USDC90ORFS



81

DKO 90° - DRY-SPIRAL ORFS FEMALE 90°
DKO 90° - DRY-SPIRAL FEMMINA 90° ORFS

USDFLPI345



94

SFL 45° - DRY-SPIRAL SAE FLANGE 45° 3000 PSI
SFL 45° - DRY-SPIRAL FLANGIA 45° SAE 3000 PSI

USDFLPI645



95

SFS 45° - DRY-SPIRAL SAE FLANGE 45° 6000 PSI
SFS 45° - DRY-SPIRAL FLANGIA 45° SAE 6000 PSI

USDFLPIR6



96

SFC - DRY-SPIRAL SUPERCAT FLANGE
SFC - DRY-SPIRAL FLANGIA SUPERCAT

USDFLPIR690



97

SFC 90° - DRY-SPIRAL SUPERCAT FLANGE 90°
SFC 90° - DRY-SPIRAL FLANGIA 90° SUPERCAT

USDCL90ORFS



82

DKO 90° - DRY-SPIRAL ORFS LONG FEMALE 90°
DKO 90° - DRY-SPIRAL FEMMINA 90° ORFS LUNGA

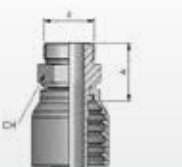
USDC45ORFS



83

DKO 45° - DRY-SPIRAL ORFS FEMALE 45°
DKO 45° - DRY-SPIRAL FEMMINA 45° ORFS

USDMORFS



84

AGO - DRY-SPIRAL ORFS MALE
AGO - DRY-SPIRAL MASCHIO ORFS

USDFG



85

DKOR - DRY-SPIRAL BSP FEMALE THRUST WIRE NUT O-RING, 60° CONE
DKOR - DRY-SPIRAL FEMMINA BSP DADO SPINATO O-RING, CONO 60°

USDFLPIR645



98

SFC 45° - DRY-SPIRAL SUPERCAT FLANGE 45°
SFC 45° - DRY-SPIRAL FLANGIA 45° SUPERCAT

USDFES



99

DKOS - DRY-SPIRAL METRIC O-RING FEMALE, 24° CONE, HEAVY
DKOS - DRY-SPIRAL FEMMINA METRICA O-RING, CONO 24°, SERIE PESANTE

USDC90ES



100

DKOS 90° - DRY-SPIRAL METRIC O-RING FEMALE 90°, 24° CONE, HEAVY
DKOS 90° - DRY-SPIRAL FEMMINA 90° METRICA O-RING, CONO 24°, SERIE PESANTE

USDC45ES



101

DKOS 45° - DRY-SPIRAL METRIC O-RING FEMALE 45°, 24° CONE, HEAVY
DKOS 45° - DRY-SPIRAL FEMMINA 45° METRICA O-RING, CONO 24°, SERIE PESANTE

USDC90G



86

DKOR 90° - DRY-SPIRAL BSP FEMALE 90° THRUST WIRE NUT O-RING, 60° CONE
DKOR 90° - DRY-SPIRAL FEMMINA 90° BSP DADO SPINATO O-RING, CONO 60°

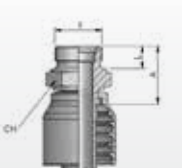
USDC45G



87

DKOR 45° - DRY-SPIRAL BSP FEMALE 45° THRUST WIRE NUT O-RING, 60° CONE
DKOR 45° - DRY-SPIRAL FEMMINA 45° BSP DADO SPINATO O-RING, CONO 60°

USDMG



88

AGR - DRY-SPIRAL BSPP MALE, 60° CONE
AGR - DRY-SPIRAL MASCHIO BSPP, CONO 60°

USDMC



89

AGN - DRY-SPIRAL BSPT MALE
AGN - DRY-SPIRAL MASCHIO BSPT

USDMES



102

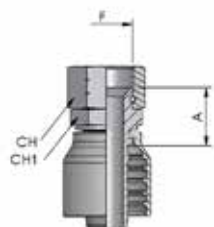
CES - DRY-SPIRAL METRIC MALE, 24° CONE, HEAVY
CES - DRY-SPIRAL MASCHIO METRICO, CONO 24°, SERIE PESANTE

index

1d

74

103



ONE PIECE SPIRAL HOSES DRY-SPIRAL JIC FITTINGS 37°
 INSERTI JIC 37° DRY-SPIRAL ONE PIECE TUBI SPIRALATI

USDFJDE

DKJ - DRY-SPIRAL JIC FEMALE THRUST WIRE NUT DOUBLE
 HEXAGON, 37° CONE

DKJ - DRY-SPIRAL FEMMINA JIC DADO SPINATO DOPPIO ESAGONO,
 CONO 37°

Thread - Filetto: UNF-UN
 Norme - Norma: SAE J514

Code Article Codice Articolo	Thread Filetto	Hose Tubo		Dimensions (mm) Dimensioni (mm)		
		Inch/Pollici	DN (mm)	CH	CH1	A
USDFJDE1612	7/8-14	3/4	19	27	27	33
USDFJDE2012	1"1/16-12	3/4	19	32	27	34
USDFJDE2016	1"1/16-12	1"	25	32	32	36.5
USDFJDE2212	1"3/16-12	3/4	19	36	30	35.5
USDFJDE2512	1"5/16-12	3/4	19	41	32	38
USDFJDE2516	1"5/16-12	1"	25	41	32	39.5
USDFJDE2520	1"5/16-12	1"1/4	32	41	41	45.5
USDFJDE3416	1"5/8-12	1"	25	50	41	46
USDFJDE3420	1"5/8-12	1"1/4	32	50	41	48
USDFJDE4020	1"7/8-12	1"1/4	32	60	46	51
USDFJDE4024	1"7/8-12	1"1/2	38	60	46	53
USDFJDE5024	2"1/2-12	1"1/2	38	75	60	66
USDFJDE5032	2"1/2-12	2"	51	75	60	69

Notes

FOR HOSE:
 DN 19-25
 DIN EN 856 4SP
 DIN EN 856 4SH
 SAE100 R12
 SAE100 R13
 SAE100 R15
 DN from 32 to 51
 DIN EN 856 4SH
 SAE100 R12

Note

PER TUBO:
 DN 19-25
 DIN EN 856 4SP
 DIN EN 856 4SH
 SAE100 R12
 SAE100 R13
 SAE100 R15
 DN da 32 a 51
 DIN EN 856 4SH
 SAE100 R12



ONE PIECE SPIRAL HOSES DRY-SPIRAL JIC FITTINGS 37°
 INSERTI JIC 37° DRY-SPIRAL ONE PIECE TUBI SPIRALATI

USDC90J

DKJ 90° - DRY-SPIRAL JIC FEMALE 90° THRUST WIRE NUT, 37° CONE
 DKJ 90° - DRY-SPIRAL FEMMINA 90° JIC DADO SPINATO, CONO 37°

Thread - Filetto: UNF-UN
 Norme - Norma: SAE J514

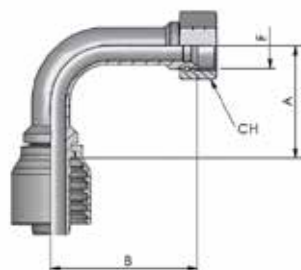
Code Article Codice Articolo	Thread Filetto	Hose Tubo		Dimensions (mm) Dimensioni (mm)		
		Inch/Pollici	DN (mm)	CH	A	B
USDC90J1612	7/8-12	3/4	19	27	55	55
USDC90J2012	1"1/16-12	3/4	19	32	55	52
USDC90J2016	1"1/16-12	1"	25	32	71	71
USDC90J2212	1"3/16-12	3/4	19	36	55	52
USDC90J2512	1"5/16-12	3/4	19	41	55	56
USDC90J2516	1"5/16-12	1"	25	41	71	67
USDC90J2520	1"5/16-12	1"1/4	32	41	87	84
USDC90J3416	1"5/8-12	1"	25	50	71	69
USDC90J3420	1"5/8-12	1"1/4	32	50	87	81
USDC90J4020	1"7/8-12	1"1/4	32	60	87	82
USDC90J4024	1"7/8-12	1"1/2	38	60	105	97
USDC90J5024	2"1/2-12	1"1/2	38	75	105	102
USDC90J5032	2"1/2-12	2"	51	75	140	132

Notes

FOR HOSE:
 DN 19-25
 DIN EN 856 4SP
 DIN EN 856 4SH
 SAE100 R12
 SAE100 R13
 SAE100 R15
 DN from 32 to 51
 DIN EN 856 4SH
 SAE100 R12

Note

PER TUBO:
 DN 19-25
 DIN EN 856 4SP
 DIN EN 856 4SH
 SAE100 R12
 SAE100 R13
 SAE100 R15
 DN da 32 a 51
 DIN EN 856 4SH
 SAE100 R12



ONE PIECE SPIRAL HOSES DRY-SPIRAL JIC FITTINGS 37°
 INSERTI JIC 37° DRY-SPIRAL ONE PIECE TUBI SPIRALATI

USDCL90J

DKJ 90° - DRY-SPIRAL JIC LONG FEMALE 90° THRUST WIRE NUT, 37° CONE

DKJ 90° - DRY-SPIRAL FEMMINA 90° JIC LUNGA DADO SPINATO, CONO 37°

Thread - Filetto: UNF-UN
 Norme - Norma: SAE J514

Code Article Codice Articolo	Thread Filetto	Hose Tubo		Dimensions (mm) Dimensioni (mm)		
		Inch/Pollici	DN (mm)	CH	A	B
USDCL90J2012	1"1/16-12	3/4	19	32	55	52
USDCL90J2516	1"5/16-12	1"	25	41	71	67
USDCL90J3416	1"5/8-12	1"	25	50	71	69
USDCL90J3420	1"5/8-12	1"1/4	32	50	87	81
USDCL90J4024	1"7/8-12	1"1/2	38	60	105	97
USDCL90J5032	2"1/2-12	2"	51	75	140	132

Notes

FOR HOSE:
 DN 19-25
 DIN EN 856 4SP
 DIN EN 856 4SH
 SAE100 R12
 SAE100 R13
 SAE100 R15
 DN from 32 to 51
 DIN EN 856 4SH
 SAE100 R12

Note

PER TUBO:
 DN 19-25
 DIN EN 856 4SP
 DIN EN 856 4SH
 SAE100 R12
 SAE100 R13
 SAE100 R15
 DN da 32 a 51
 DIN EN 856 4SH
 SAE100 R12



ONE PIECE SPIRAL HOSES DRY-SPIRAL JIC FITTINGS 37°
 INSERTI JIC 37° DRY-SPIRAL ONE PIECE TUBI SPIRALATI

USDC45J

DKJ 45° - DRY-SPIRAL JIC FEMALE 45° THRUST WIRE NUT, 37° CONE

DKJ 45° - DRY-SPIRAL FEMMINA 45° JIC DADO SPINATO, CONO 37°

Thread - Filetto: UNF-UN
 Norme - Norma: SAE J514

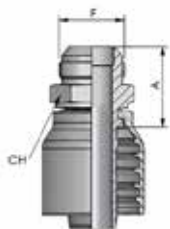
Code Article Codice Articolo	Thread Filetto	Hose Tubo		Dimensions (mm) Dimensioni (mm)		
		Inch/Pollici	DN (mm)	CH	A	B
USDC45J1612	7/8-14	3/4	19	27	66	28
USDC45J2012	1"1/16-12	3/4	19	32	63	25
USDC45J2016	1"1/16-12	1"	25	32	85	35
USDC45J2212	1"3/16-12	3/4	19	36	63	25
USDC45J2512	1"5/16-12	3/4	19	41	66	28
USDC45J2516	1"5/16-12	1"	25	41	82	32
USDC45J2520	1"5/16-12	1"1/4	32	41	100	41
USDC45J3416	1"5/8-12	1"	25	50	83	33
USDC45J3420	1"5/8-12	1"1/4	32	50	98	38
USDC45J4020	1"7/8-12	1"1/4	32	60	99	39
USDC45J4024	1"7/8-12	1"1/2	38	60	118	46
USDC45J5024	2"1/2-12	1"1/2	38	75	122	50
USDC45J5032	2"1/2-12	2"	51	75	157	62

Notes

FOR HOSE:
 DN 19-25
 DIN EN 856 4SP
 DIN EN 856 4SH
 SAE100 R12
 SAE100 R13
 SAE100 R15
 DN from 32 to 51
 DIN EN 856 4SH
 SAE100 R12

Note

PER TUBO:
 DN 19-25
 DIN EN 856 4SP
 DIN EN 856 4SH
 SAE100 R12
 SAE100 R13
 SAE100 R15
 DN da 32 a 51
 DIN EN 856 4SH
 SAE100 R12



ONE PIECE SPIRAL HOSES DRY-SPIRAL JIC FITTINGS 37°
 INSERTI JIC 37° DRY-SPIRAL ONE PIECE TUBI SPIRALATI

USDMJ

AGJ - DRY-SPIRAL JIC MALE, 37° CONE
 AGJ - DRY-SPIRAL MASCHIO JIC, CONO 37°

Thread - Filetto: UNF-UN
 Norme - Norma: SAE J514

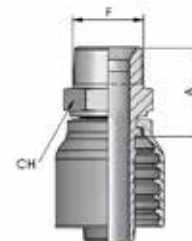
Notes

FOR HOSE:
 DN 19-25
 DIN EN 856 4SP
 DIN EN 856 4SH
 SAE100 R12
 SAE100 R13
 SAE100 R15
 DN from 32 to 51
 DIN EN 856 4SH
 SAE100 R12

Note

PER TUBO:
 DN 19-25
 DIN EN 856 4SP
 DIN EN 856 4SH
 SAE100 R12
 SAE100 R13
 SAE100 R15
 DN da 32 a 51
 DIN EN 856 4SH
 SAE100 R12

Code Article Codice Articolo	Thread Filetto	Hose Tubo		Dimensions (mm) Dimensioni (mm)	
		Inch/Pollici	DN (mm)	CH	A
USDMJ1612	7/8"-14	3/4	19	27	37
USDMJ2012	1"1/16-12	3/4	19	27	40
USDMJ2016	1"1/16-12	1"	25	32	43
USDMJ2212	1"3/16-12	3/4	19	32	41.5
USDMJ2512	1"5/16-12	3/4	19	36	43
USDMJ2516	1"5/16-12	1"	25	36	45
USDMJ2520	1"5/16-12	1"1/4	32	41	48.5
USDMJ3416	1"5/8-12	1"	25	46	48
USDMJ3420	1"5/8-12	1"1/4	32	46	50.5
USDMJ4020	1"7/8-12	1"1/4	32	50	55
USDMJ4024	1"7/8-12	1"1/2	38	50	57
USDMJ5024	2"1/2-12	1"1/2	38	65	65.5
USDMJ5032	2"1/2-12	2"	51	65	68.5



ONE PIECE SPIRAL HOSES DRY-SPIRAL NPT FITTINGS 60°
 INSERTI NPT 60° DRY-SPIRAL ONE PIECE TUBI SPIRALATI

USDMNPT

AGN - DRY-SPIRAL NPTF MALE
 AGN - DRY-SPIRAL MASCHIO NPTF

Thread - Filetto: NPTF

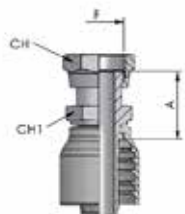
Notes

FOR HOSE:
 DN 19-25
 DIN EN 856 4SP
 DIN EN 856 4SH
 SAE100 R12
 SAE100 R13
 SAE100 R15
 DN from 32 to 51
 DIN EN 856 4SH
 SAE100 R12

Note

PER TUBO:
 DN 19-25
 DIN EN 856 4SP
 DIN EN 856 4SH
 SAE100 R12
 SAE100 R13
 SAE100 R15
 DN da 32 a 51
 DIN EN 856 4SH
 SAE100 R12

Code Article Codice Articolo	Thread Filetto	Hose Tubo		Dimensions (mm) Dimensioni (mm)	
		Inch/Pollici	DN (mm)	CH	A
USDMNPT1212	3/4"-14	3/4"	19	27	39
USDMNPT1216	3/4"-14	1"	25	32	41.5
USDMNPT1612	1"-11,5	3/4"	19	36	47
USDMNPT1616	1"-11,5	1"	25	36	48.5
USDMNPT1620	1"-11,5	1"1/4	32	41	52.5
USDMNPT2016	1"1/4-11	1"	25	46	53
USDMNPT2020	1"1/4-11	1"1/4	32	46	55
USDMNPT2420	1"1/2-11	1"1/4	32	50	59
USDMNPT2424	1"1/2-11	1"1/2	38	50	61
USDMNPT3224	2"-11,5	1"1/2	38	65	67.5
USDMNPT3232	2"-11,5	2"	51	65	70.5



ONE PIECE SPIRAL HOSES DRY-SPIRAL ORFS FITTINGS
 INSERTI ORFS DRY-SPIRAL ONE PIECE TUBI SPIRALATI

USDFORFSDE

DKO - DRY-SPIRAL ORFS FEMALE DOUBLE HEXAGON
 DKO - DRY-SPIRAL FEMMINA DOPPIO ESAGONO ORFS

Thread - Filetto: UNF-UN
 Norme - Norma: SAE J1453

Code Article Codice Articolo	Thread Filetto	Hose Tubo		Dimensions (mm) Dimensioni (mm)		
		Inch/Pollici	DN (mm)	CH	CH1	A
USDFORFSDE1812	1"-14	3/4	19	30	27	43
USDFORFSDE2212	1"3/16-12	3/4	19	36	30	46
USDFORFSDE2612	1"7/16-12	3/4	19	41	36	49
USDFORFSDE2616	1"7/16-12	1"	25	41	36	51
USDFORFSDE3616	1"11/16-12	1"	25	50	41	52
USDFORFSDE3620	1"11/16-12	1"1/4	32	50	41	55
USDFORFSDE4624	2"-12	1"1/2	38	60	50	60

Notes

CRIMPED NUT
 FOR HOSE:
 DN 19-25
 DIN EN 856 4SP
 DIN EN 856 4SH
 SAE100 R12
 SAE100 R13
 SAE100 R15
 DN from 32 to 51
 DIN EN 856 4SH
 SAE100 R12

Note

DADO PINZATO
 PER TUBO:
 DN 19-25
 DIN EN 856 4SP
 DIN EN 856 4SH
 SAE100 R12
 SAE100 R13
 SAE100 R15
 DN da 32 a 51
 DIN EN 856 4SH
 SAE100 R12



ONE PIECE SPIRAL HOSES DRY-SPIRAL ORFS FITTINGS
 INSERTI ORFS DRY-SPIRAL ONE PIECE TUBI SPIRALATI

USDC90ORFS

DKO 90° - DRY-SPIRAL ORFS FEMALE 90°
 DKO 90° - DRY-SPIRAL FEMMINA 90° ORFS

Thread - Filetto: UNF-UN
 Norme - Norma: SAE J1453

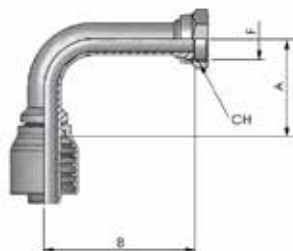
Code Article Codice Articolo	Thread Filetto	Hose Tubo		Dimensions (mm) Dimensioni (mm)		
		Inch/Pollici	DN (mm)	CH	A	B
USDC90ORFS2212	1"3/16-12	3/4	19	36	54	48
USDC90ORFS2612	1"7/16-12	3/4	19	41	54	49
USDC90ORFS2616	1"7/16-12	1"	25	41	71	62
USDC90ORFS3616	1"11/16-12	1"	25	50	71	62
USDC90ORFS3620	1"11/16-12	1"1/4	32	50	87	75
USDC90ORFS4624	2"-12	1"1/2	38	60	105	90

Notes

FOR HOSE:
 DN 19-25
 DIN EN 856 4SP
 DIN EN 856 4SH
 SAE100 R12
 SAE100 R13
 SAE100 R15
 DN from 32 to 51
 DIN EN 856 4SH
 SAE100 R12

Note

PER TUBO:
 DN 19-25
 DIN EN 856 4SP
 DIN EN 856 4SH
 SAE100 R12
 SAE100 R13
 SAE100 R15
 DN da 32 a 51
 DIN EN 856 4SH
 SAE100 R12



ONE PIECE SPIRAL HOSES DRY-SPIRAL ORFS FITTINGS
 INSERTI ORFS DRY-SPIRAL ONE PIECE TUBI SPIRALATI

USDCL90ORFS

DKO 90° - DRY-SPIRAL ORFS LONG DROP FEMALE 90°
 DKO 90° - DRY-SPIRAL FEMMINA 90° ORFS LUNGA

Thread - Filetto: UNF-UN
 Norme - Norma: SAE J1453

Code Article Codice Articolo	Thread Filetto	Hose Tubo		Dimensions (mm) Dimensioni (mm)		
		Inch/Pollici	DN (mm)	CH	A	B
USDCL90ORFS2212	1"3/16-12	3/4	19	36	54	96
USDCL90ORFS2616	1"7/16-12	1"	25	41	71	114
USDCL90ORFS3620	1"11/16-12	1"1/4	32	50	87	130
USDCL90ORFS4624	2"-12	1"1/2	38	60	105	155

Notes

FOR HOSE:
 DN 19-25
 DIN EN 856 4SP
 DIN EN 856 4SH
 SAE100 R12
 SAE100 R13
 SAE100 R15
 DN from 32 to 51
 DIN EN 856 4SH
 SAE100 R12

Note

PER TUBO:
 DN 19-25
 DIN EN 856 4SP
 DIN EN 856 4SH
 SAE100 R12
 SAE100 R13
 SAE100 R15
 DN da 32 a 51
 DIN EN 856 4SH
 SAE100 R12



ONE PIECE SPIRAL HOSES DRY-SPIRAL ORFS FITTINGS
 INSERTI ORFS DRY-SPIRAL ONE PIECE TUBI SPIRALATI

USDC45ORFS

DKO 45° - DRY-SPIRAL ORFS FEMALE 45°
 DKO 45° - DRY-SPIRAL FEMMINA 45° ORFS

Thread - Filetto: UNF-UN
 Norme - Norma: SAE J1453

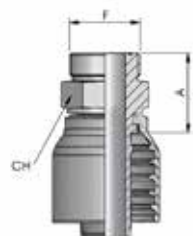
Code Article Codice Articolo	Thread Filetto	Hose Tubo		Dimensions (mm) Dimensioni (mm)		
		Inch/Pollici	DN (mm)	CH	A	B
USDC45ORFS2212	1"3/16-12	3/4	19	36	60	22
USDC45ORFS2612	1"7/16-12	3/4	19	41	61	23
USDC45ORFS2616	1"7/16-12	1"	25	41	78	29
USDC45ORFS3616	1"11/16-12	1"	25	50	78	29
USDC45ORFS3620	1"11/16-12	1"1/4	32	50	93	34
USDC45ORFS4624	2"-12	1"1/2	38	60	113	41

Notes

FOR HOSE:
 DN 19-25
 DIN EN 856 4SP
 DIN EN 856 4SH
 SAE100 R12
 SAE100 R13
 SAE100 R15
 DN from 32 to 51
 DIN EN 856 4SH
 SAE100 R12

Note

PER TUBO:
 DN 19-25
 DIN EN 856 4SP
 DIN EN 856 4SH
 SAE100 R12
 SAE100 R13
 SAE100 R15
 DN da 32 a 51
 DIN EN 856 4SH
 SAE100 R12



ONE PIECE SPIRAL HOSES DRY-SPIRAL ORFS FITTINGS
 INSERTI ORFS DRY-SPIRAL ONE PIECE TUBI SPIRALATI

USDMORFS

AGO - DRY-SPIRAL ORFS MALE
 AGO - DRY-SPIRAL MASCHIO ORFS

Thread - *Filetto*: UNF-UN
 Norme - *Norma*: SAE J1453

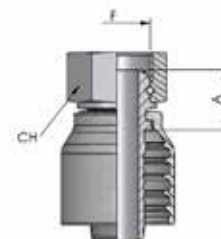
Code Article Codice Articolo	Thread Filetto	Hose Tubo		Dimensions (mm) Dimensioni (mm)	
		Inch/Pollici	DN (mm)	CH	A
USDMORFS2212	1"3/16-12	3/4"	19	32	36
USDMORFS2616	1"7/16-12	1"	25	41	41
USDMORFS3620	1"11/16-12	1"1/4	32	46	44
USDMORFS4624	2"-12	1"1/2	38	55	48

Notes

PER TUBO:
 DN 19-25
 DIN EN 856 4SP
 DIN EN 856 4SH
 SAE100 R12
 SAE100 R13
 SAE100 R15
 DN da 32 a 51
 DIN EN 856 4SH
 SAE100 R12

Note

FOR HOSE:
 DN 19-25
 DIN EN 856 4SP
 DIN EN 856 4SH
 SAE100 R12
 SAE100 R13
 SAE100 R15
 DN from 32 to 51
 DIN EN 856 4SH
 SAE100 R12



ONE PIECE DRY-SPIRAL BSP FITTINGS 60°
 INSERTI BSP 60° DRY-SPIRAL ONE PIECE TUBI SPIRALATI

USDFG

DKOR - DRY-SPIRAL BSP FEMALE THRUST WIRE NUT O-RING, 60°
 CONE
 DKOR - DRY-SPIRAL FEMMINA BSP DADO SPINATO O-RING, CONO 60°

Thread - *Filetto*: BSPP
 Norme - *Norma*: BS 5200

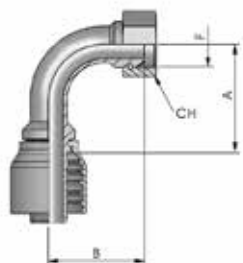
Code Article Codice Articolo	Thread Filetto	Hose Tubo		Dimensions (mm) Dimensioni (mm)	
		Inch/Pollici	DN (mm)	CH	A
USDFG1212	3/4-14	3/4	19	32	29
USDFG1612	1"-11	3/4	19	41	33
USDFG1616	1"-11	1"	25	41	34
USDFG2016	1"1/4-11	1"	25	50	38
USDFG2020	1"1/4-11	1"1/4	32	50	39
USDFG2420	1"1/2-11	1"1/4	32	60	42
USDFG2424	1"1/2-11	1"1/2	38	60	43
USDFG3232	2"-11	2"	51	75	47

Notes

FOR HOSE:
 DN 19-25
 DIN EN 856 4SP
 DIN EN 856 4SH
 SAE100 R12
 SAE100 R13
 SAE100 R15
 DN from 32 to 51
 DIN EN 856 4SH
 SAE100 R12

Note

PER TUBO:
 DN 19-25
 DIN EN 856 4SP
 DIN EN 856 4SH
 SAE100 R12
 SAE100 R13
 SAE100 R15
 DN da 32 a 51
 DIN EN 856 4SH
 SAE100 R12



ONE PIECE DRY-SPIRAL BSP FITTINGS 60°
 INSERTI BSP 60° DRY-SPIRAL ONE PIECE TUBI SPIRALATI

USDC90G

DKOR 90° - DRY-SPIRAL BSP FEMALE 90° THRUST WIRE NUT O-RING, 60° CONE

DKOR 90° - DRY-SPIRAL FEMMINA 90° BSP DADO SPINATO O-RING, CONO 60°

Thread - Filetto: BSPP

Norme - Norma: BS 5200

Code Article Codice Articolo	Thread Filetto	Hose Tubo		Dimensions (mm) Dimensioni (mm)		
		Inch/Pollici	DN (mm)	CH	A	B
USDC90G1212	3/4-14	3/4	19	57	55	32
USDC90G1612	1"-11	3/4	19	61	55	41
USDC90G1616	1"-11	1"	25	72	71	41
USDC90G2016	1"1/4-11	1"	25	74	71	50
USDC90G2020	1"1/4-11	1"1/4	32	88	87	50
USDC90G2420	1"1/2-11	1"1/4	32	88	87	60
USDC90G2424	1"1/2-11	1"1/2	38	104	105	60
USDC90G3232	2"-11	2"	51	137	140	75

Notes

PER TUBO:
 DN 19-25
 DIN EN 856 4SP
 DIN EN 856 4SH
 SAE100 R12
 SAE100 R13
 SAE100 R15
 DN da 32 a 51
 DIN EN 856 4SH
 SAE100 R12

Note

FOR HOSE:
 DN 19-25
 DIN EN 856 4SP
 DIN EN 856 4SH
 SAE100 R12
 SAE100 R13
 SAE100 R15
 DN from 32 to 51
 DIN EN 856 4SH
 SAE100 R12



ONE PIECE DRY-SPIRAL BSP FITTINGS 60°
 INSERTI BSP 60° DRY-SPIRAL ONE PIECE TUBI SPIRALATI

USDC45G

DKOR 45° - DRY-SPIRAL BSP FEMALE 45° THRUST WIRE NUT O-RING, 60° CONE

DKOR 45° - DRY-SPIRAL FEMMINA 45° BSP DADO SPINATO O-RING, CONO 60°

Thread - Filetto: BSPP

Norme - Norma: BS 5200

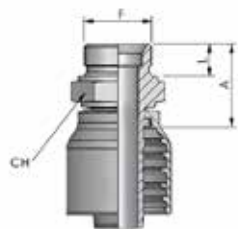
Code Article Codice Articolo	Thread Filetto	Hose Tubo		Dimensions (mm) Dimensioni (mm)		
		Inch/Pollici	DN (mm)	CH	A	B
USDC45G1212	3/4-14	3/4	19	29	67	32
USDC45G1612	1"-11	3/4	19	32	70	41
USDC45G1616	1"-11	1"	25	36	86	41
USDC45G2016	1"1/4-11	1"	25	37	87	50
USDC45G2020	1"1/4-11	1"1/4	32	43	103	50
USDC45G2420	1"1/2-11	1"1/4	32	43	103	60
USDC45G2424	1"1/2-11	1"1/2	38	51	123	60
USDC45G3232	2"-11	2"	51	65	160	75

Notes

FOR HOSE:
 DN 19-25
 DIN EN 856 4SP
 DIN EN 856 4SH
 SAE100 R12
 SAE100 R13
 SAE100 R15
 DN from 32 to 51
 DIN EN 856 4SH
 SAE100 R12

Note

PER TUBO:
 DN 19-25
 DIN EN 856 4SP
 DIN EN 856 4SH
 SAE100 R12
 SAE100 R13
 SAE100 R15
 DN da 32 a 51
 DIN EN 856 4SH
 SAE100 R12



ONE PIECE DRY-SPIRAL BSP FITTINGS 60°
 INSERTI BSP 60° DRY-SPIRAL ONE PIECE TUBI SPIRALATI

USD MG

AGR - DRY-SPIRAL BSPP MALE, 60° CONE
 AGR - DRY-SPIRAL MASCHIO BSPP, CONO 60°

Thread - Filetto: BSPP
 Norme - Norma: BS 5200

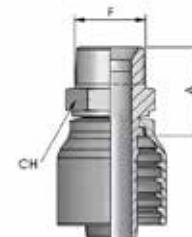
Notes

PER TUBO:
 DN 19-25
 DIN EN 856 4SP
 DIN EN 856 4SH
 SAE100 R12
 SAE100 R13
 SAE100 R15
 DN da 32 a 51
 DIN EN 856 4SH
 SAE100 R12

Code Article Codice Articolo	Thread Filetto	Hose Tubo		Dimensions (mm) Dimensioni (mm)		
		Inch/Pollici	DN (mm)	CH	A	L
USD MG1212	3/4	3/4	19	32	38	16
USD MG1612	1"-11	3/4	19	41	43	19
USD MG1616	1"-11	1"	25	41	45	19
USD MG2016	1"1/4-11	1"	25	50	48	20
USD MG2020	1"1/4-11	1"1/4	32	50	50	20
USD MG2420	1"1/2-11	1"1/4	32	55	53	22
USD MG2424	1"1/2-11	1"1/2	38	55	55	22
USD MG3232	2"-11	2"	51	70	63	25

Note

FOR HOSE:
 DN 19-25
 DIN EN 856 4SP
 DIN EN 856 4SH
 SAE100 R12
 SAE100 R13
 SAE100 R15
 DN from 32 to 51
 DIN EN 856 4SH
 SAE100 R12



ONE PIECE SPIRAL HOSES DRY-SPIRAL BSPT FITTINGS 60°
 INSERTI BSPT 60° DRY-SPIRAL ONE PIECE TUBI SPIRALATI

USD MC

AGN - DRY-SPIRAL BSPT MALE
 AGN - DRY-SPIRAL MASCHIO BSPT

Thread - Filetto: BSPT
 Norme - Norma:

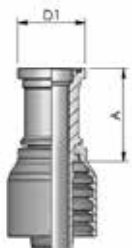
Notes

FOR HOSE:
 DN 19-25
 DIN EN 856 4SP
 DIN EN 856 4SH
 SAE100 R12
 SAE100 R13
 SAE100 R15
 DN from 32 to 51
 DIN EN 856 4SH
 SAE100 R12

Code Article Codice Articolo	Thread Filetto	Hose Tubo		Dimensions (mm) Dimensioni (mm)	
		Inch/Pollici	DN (mm)	CH	A
USD MC1212	3/4-14	3/4	19	27	37
USD MC1616	1"-11	1"	25	36	44
USD MC2020	1"1/4-11	1"1/4	32	46	51
USD MC2424	1"1/2-11	1"1/2	38	50	54
USD MC3232	2"-11	2"	51	65	64

Note

PER TUBO:
 DN 19-25
 DIN EN 856 4SP
 DIN EN 856 4SH
 SAE100 R12
 SAE100 R13
 SAE100 R15
 DN da 32 a 51
 DIN EN 856 4SH
 SAE100 R12



ONE PIECE SPIRAL HOSES DRY-SPIRAL FLANGES
FLANGE DRY-SPIRAL ONE PIECE TUBI SPIRALATI

USDFLPI3

SFL - DRY-SPIRAL SAE FLANGE 3000 PSI
SFL - DRY-SPIRAL FLANGIA SAE 3000 PSI

Norme - Norma: SAE J518

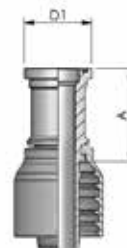
Notes

FOR HOSE:
DN 19-25
DIN EN 856 4SP
DIN EN 856 4SH
SAE100 R12
SAE100 R13
SAE100 R15
DN from 32 to 51
DIN EN 856 4SH
SAE100 R12

Note

PER TUBO:
DN 19-25
DIN EN 856 4SP
DIN EN 856 4SH
SAE100 R12
SAE100 R13
SAE100 R15
DN da 32 a 51
DIN EN 856 4SH
SAE100 R12

Code Article Codice Articolo	Flange Flangia	Hose Tubo		Dimensions (mm) Dimensioni (mm)	
		Inch/Pollici	DN (mm)	D1	A
USDFLPI31212	3/4	3/4	19	38.1	55
USDFLPI31216	3/4	1"	25	38.1	58
USDFLPI31612	1"	3/4	19	44.5	57
USDFLPI31616	1"	1"	25	44.5	58
USDFLPI31620	1"	1"1/4	32	44.5	64
USDFLPI32012	1"1/4	3/4	19	50.8	55
USDFLPI32016	1"1/4	1"	25	50.8	63
USDFLPI32020	1"1/4	1"1/4	32	50.8	64
USDFLPI32416	1"1/2	1"	25	60.4	55
USDFLPI32420	1"1/2	1"1/4	32	60.4	68
USDFLPI32424	1"1/2	1"1/2	38	60.4	73
USDFLPI33220	2"	1"1/4	32	71.4	75
USDFLPI33224	2"	1"1/2	38	71.4	76
USDFLPI33232	2"	2"	51	71.4	77
USDFLPI34032	2"1/2	2"	51	84.1	90



ONE PIECE SPIRAL HOSES DRY-SPIRAL FLANGES
FLANGE DRY-SPIRAL ONE PIECE TUBI SPIRALATI

USDFLPI6

SFS - DRY-SPIRAL SAE FLANGE 6000 PSI
SFS - DRY-SPIRAL FLANGIA SAE 6000 PSI

Norme - Norma: SAE J518

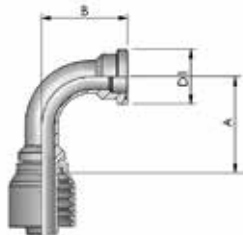
Notes

FOR HOSE:
DN 19-25
DIN EN 856 4SP
DIN EN 856 4SH
SAE100 R12
SAE100 R13
SAE100 R15
DN from 32 to 51
DIN EN 856 4SH
SAE100 R12

Note

PER TUBO:
DN 19-25
DIN EN 856 4SP
DIN EN 856 4SH
SAE100 R12
SAE100 R13
SAE100 R15
DN da 32 a 51
DIN EN 856 4SH
SAE100 R12

Code Article Codice Articolo	Flange Flangia	Hose Tubo		Dimensions (mm) Dimensioni (mm)	
		Inch/Pollici	DN (mm)	D1	A
USDFLPI61212	3/4	3/4	19	41.3	59
USDFLPI61216	3/4	1"	25	41.3	65
USDFLPI61612	1"	3/4	19	47.6	61
USDFLPI61616	1"	1"	25	47.6	65
USDFLPI61620	1"	1"1/4	32	47.6	70
USDFLPI62016	1"1/4	1"	25	54	69
USDFLPI62020	1"1/4	1"1/4	32	54	70
USDFLPI62420	1"1/2	1"1/4	32	63.5	80
USDFLPI62424	1"1/2	1"1/2	38	63.5	84
USDFLPI63224	2"	1"1/2	38	79.4	99
USDFLPI63232	2"	2"	51	79.4	100

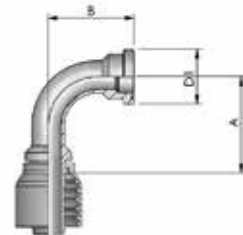


ONE PIECE SPIRAL HOSES DRY-SPIRAL FLANGES
 FLANGE DRY-SPIRAL ONE PIECE TUBI SPIRALATI

USDFLPI390

SFL 90° - DRY-SPIRAL SAE FLANGE 90° 3000 PSI
 SFL 90° - DRY-SPIRAL FLANGIA 90° SAE 3000 PSI

Norme - Norma: SAE J518



ONE PIECE SPIRAL HOSES DRY-SPIRAL FLANGES
 FLANGE DRY-SPIRAL ONE PIECE TUBI SPIRALATI

USDFLPI690

SFS 90° - DRY-SPIRAL SAE FLANGE 90° 6000 PSI
 SFS 90° - DRY-SPIRAL FLANGIA 90° SAE 6000 PSI

Norme - Norma: SAE J518

Notes

FOR HOSE:
 DN 19-25
 DIN EN 856 4SP
 DIN EN 856 4SH
 SAE100 R12
 SAE100 R13
 SAE100 R15
 DN from 32 to 51
 DIN EN 856 4SH
 SAE100 R12

Code Article Codice Articolo	Flange Flangia	Hose Tubo		Dimensions (mm) Dimensioni (mm)		
		Inch/Pollici	DN (mm)	D1	A	B
USDFLPI3901212	3/4	3/4	19	38.1	55	51
USDFLPI3901216	3/4	1"	25	38.1	71	65
USDFLPI3901612	1"	3/4	19	44.5	55	55
USDFLPI3901616	1"	1"	25	44.5	71	61
USDFLPI3901620	1"	1"1/4	32	44.5	87	79
USDFLPI3902012	1"1/4	3/4	19	50.8	55	60
USDFLPI3902016	1"1/4	1"	25	50.8	71	61
USDFLPI3902020	1"1/4	1"1/4	32	50.8	87	71
USDFLPI3902416	1"1/2	1"	25	60.4	71	61
USDFLPI3902420	1"1/2	1"1/4	32	60.4	87	71
USDFLPI3902424	1"1/2	1"1/2	38	60.4	105	83
USDFLPI3903224	2"	1"1/2	38	71.4	105	81
USDFLPI3903232	2"	2"	51	71.4	140	122
USDFLPI3904032	2"1/2	2"	51	84.1	140	117

Note

PER TUBO:
 DN 19-25
 DIN EN 856 4SP
 DIN EN 856 4SH
 SAE100 R12
 SAE100 R13
 SAE100 R15
 DN da 32 a 51
 DIN EN 856 4SH
 SAE100 R12

Notes

FOR HOSE:
 DN 19-25
 DIN EN 856 4SP
 DIN EN 856 4SH
 SAE100 R12
 SAE100 R13
 SAE100 R15
 DN from 32 to 51
 DIN EN 856 4SH
 SAE100 R12

Code Article Codice Articolo	Flange Flangia	Hose Tubo		Dimensions (mm) Dimensioni (mm)		
		Inch/Pollici	DN (mm)	D1	A	B
USDFLPI6901212	3/4	3/4	19	41.3	55	56
USDFLPI6901216	3/4	1"	25	41.3	71	65
USDFLPI6901612	1"	3/4	19	47.6	55	58
USDFLPI6901616	1"	1"	25	47.6	71	64
USDFLPI6901620	1"	1"1/4	32	47.6	87	79
USDFLPI6902016	1"1/4	1"	25	54	71	64
USDFLPI6902020	1"1/4	1"1/4	32	54	87	74
USDFLPI6902420	1"1/2	1"1/4	32	63.5	87	76
USDFLPI6902424	1"1/2	1"1/2	38	63.5	105	88
USDFLPI6903224	2"	1"1/2	38	79.4	105	93
USDFLPI6903232	2"	2"	51	79.4	140	123

Note

PER TUBO:
 DN 19-25
 DIN EN 856 4SP
 DIN EN 856 4SH
 SAE100 R12
 SAE100 R13
 SAE100 R15
 DN da 32 a 51
 DIN EN 856 4SH
 SAE100 R12



ONE PIECE SPIRAL HOSES DRY-SPIRAL FLANGES
 FLANGE DRY-SPIRAL ONE PIECE TUBI SPIRALATI

USDFLPI345

SFL 45° - DRY-SPIRAL SAE FLANGE 45° 3000 PSI
 SFL 45° - DRY-SPIRAL FLANGIA 45° SAE 3000 PSI

Norme - Norma: SAE J518



ONE PIECE SPIRAL HOSES DRY-SPIRAL FLANGES
 FLANGE DRY-SPIRAL ONE PIECE TUBI SPIRALATI

USDFLPI645

SFS 45° - DRY-SPIRAL SAE FLANGE 45° 6000 PSI
 SFS 45° - DRY-SPIRAL FLANGIA 45° SAE 6000 PSI

Norme - Norma: SAE J518

Notes

FOR HOSE:
 DN 19-25
 DIN EN 856 4SP
 DIN EN 856 4SH
 SAE100 R12
 SAE100 R13
 SAE100 R15
 DN from 32 to 51
 DIN EN 856 4SH
 SAE100 R12

Code Article Codice Articolo	Flange Flangia	Hose Tubo		Dimensions (mm) Dimensioni (mm)		
		Inch/Pollici	DN (mm)	D1	A	B
USDFLPI3451212	3/4	3/4	19	38.1	63	25
USDFLPI3451216	3/4	1"	25	38.1	81	31
USDFLPI3451612	1"	3/4	19	44.5	65	27
USDFLPI3451616	1"	1"	25	44.5	78	28
USDFLPI3451620	1"	1"1/4	32	44.5	96	37
USDFLPI3452016	1"1/4	1"	25	50.8	78	28
USDFLPI3452020	1"1/4	1"1/4	32	50.8	91	32
USDFLPI3452420	1"1/2	1"1/4	32	60.4	91	32
USDFLPI3452424	1"1/2	1"1/2	38	60.4	108	36
USDFLPI3453224	2"	1"1/2	38	71.4	107	35
USDFLPI3453232	2"	2"	51	71.4	151	57
USDFLPI3454032	2"1/2	2"	51	84.1	146	51

Note

PER TUBO:
 DN 19-25
 DIN EN 856 4SP
 DIN EN 856 4SH
 SAE100 R12
 SAE100 R13
 SAE100 R15
 DN da 32 a 51
 DIN EN 856 4SH
 SAE100 R12

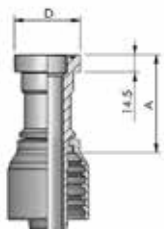
Notes

FOR HOSE:
 DN 19-25
 DIN EN 856 4SP
 DIN EN 856 4SH
 SAE100 R12
 SAE100 R13
 SAE100 R15
 DN from 32 to 51
 DIN EN 856 4SH
 SAE100 R12

Code Article Codice Articolo	Flange Flangia	Hose Tubo		Dimensions (mm) Dimensioni (mm)		
		Inch/Pollici	DN (mm)	D1	A	B
USDFLPI6451212	3/4	3/4	19	41.3	66	28
USDFLPI6451216	3/4	1"	25	41.3	81	31
USDFLPI6451612	1"	3/4	19	47.6	68	29
USDFLPI6451616	1"	1"	25	47.6	80	30
USDFLPI6451620	1"	1"1/4	32	47.6	96	37
USDFLPI6452016	1"1/4	1"	25	54	80	30
USDFLPI6452020	1"1/4	1"1/4	32	54	93	34
USDFLPI6452420	1"1/2	1"1/4	32	63.5	94	35
USDFLPI6452424	1"1/2	1"1/2	38	63.5	112	40
USDFLPI6453224	2"	1"1/2	38	79.4	115	43
USDFLPI6453232	2"	2"	51	79.4	150	56

Note

PER TUBO:
 DN 19-25
 DIN EN 856 4SP
 DIN EN 856 4SH
 SAE100 R12
 SAE100 R13
 SAE100 R15
 DN da 32 a 51
 DIN EN 856 4SH
 SAE100 R12



ONE PIECE SPIRAL HOSES DRY-SPIRAL FLANGES
FLANGE DRY-SPIRAL ONE PIECE TUBI SPIRALATI

USDFLPIR6

SFC - DRY-SPIRAL SUPERCAT FLANGE
SFC - DRY-SPIRAL FLANGIA SUPERCAT

Norme - Norma:

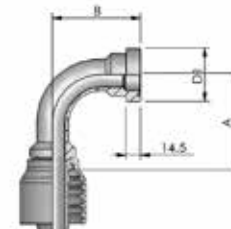
Code Article Codice Articolo	Flange Flangia	Hose Tubo		Dimensions (mm) Dimensioni (mm)		
		Inch/Pollici	DN (mm)	D1	A	
USDFLPIR61212	3/4	3/4	19	41.3	84	
USDFLPIR61612	1"	3/4	19	47.6	84	
USDFLPIR61616	1"	1"	25	47.6	90	
USDFLPIR62016	1"1/4	1"	25	54	90	
USDFLPIR62020	1"1/4	1"1/4	32	54	88	
USDFLPIR62420	1"1/2	1"1/4	32	63.5	88	
USDFLPIR62424	1"1/2	1"1/2	38	63.5	84	
USDFLPIR63224	2"	1"1/2	38	79.4	110	
USDFLPIR63232	2"	2"	51	79.4	130	

Notes

FOR HOSE:
DN 19-25
DIN EN 856 4SP
DIN EN 856 4SH
SAE100 R12
SAE100 R13
SAE100 R15
DN from 32 to 51
DIN EN 856 4SH
SAE100 R12

Note

[it]/[it][en]FOR HOSE:
DN 19-25
DIN EN 856 4SP
DIN EN 856 4SH
SAE100 R12
SAE100 R13
SAE100 R15
DN from 32 to 51
DIN EN 856 4SH
SAE100 R12/[en]



ONE PIECE SPIRAL HOSES DRY-SPIRAL FLANGES
FLANGE DRY-SPIRAL ONE PIECE TUBI SPIRALATI

USDFLPIR690

SFC 90° - DRY-SPIRAL SUPERCAT FLANGE 90°
SFC 90° - DRY-SPIRAL FLANGIA 90° SUPERCAT

Norme - Norma:

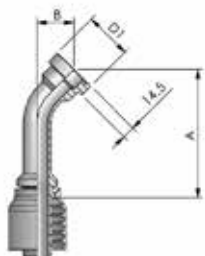
Code Article Codice Articolo	Flange Flangia	Hose Tubo		Dimensions (mm) Dimensioni (mm)		
		Inch/Pollici	DN (mm)	D1	A	B
USDFLPIR6901212	3/4	3/4	19	41.3	55	64
USDFLPIR6901612	1"	3/4	19	47.6	55	64
USDFLPIR6901616	1"	1"	25	47.6	71	73
USDFLPIR6902016	1"1/4	1"	25	54	71	73
USDFLPIR6902020	1"1/4	1"1/4	32	54	87	77
USDFLPIR6902420	1"1/2	1"1/4	32	63.5	87	78
USDFLPIR6902424	1"1/2	1"1/2	38	63.5	105	90
USDFLPIR6903224	2"	1"1/2	38	79.4	105	94
USDFLPIR6903232	2"	2"	51	79.4	140	125

Notes

FOR HOSE:
DN 19-25
DIN EN 856 4SP
DIN EN 856 4SH
SAE100 R12
SAE100 R13
SAE100 R15
DN from 32 to 51
DIN EN 856 4SH
SAE100 R12

Note

PER TUBO:
DN 19-25
DIN EN 856 4SP
DIN EN 856 4SH
SAE100 R12
SAE100 R13
SAE100 R15
DN da 32 a 51
DIN EN 856 4SH
SAE100 R12



ONE PIECE SPIRAL HOSES DRY-SPIRAL FLANGES
 FLANGE DRY-SPIRAL ONE PIECE TUBI SPIRALATI

USDFLPIR645

SFC 45° - DRY-SPIRAL SUPERCAT FLANGE 45°
 SFC 45° - DRY-SPIRAL FLANGIA 45° SUPERCAT

Norme - Norma:

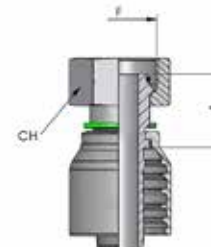
Code Article Codice Articolo	Flange Flangia	Hose Tubo		Dimensions (mm) Dimensioni (mm)		
		Inch/Pollici	DN (mm)	D1	A	B
USDFLPIR6451212	3/4	3/4	19	41.3	72	34
USDFLPIR6451612	1"	3/4	19	47.6	74	36
USDFLPIR6451616	1"	1"	25	47.6	86	36
USDFLPIR6452016	1"1/4	1"	25	54	86	36
USDFLPIR6452020	1"1/4	1"1/4	31.5	54	96	36
USDFLPIR6452420	1"1/2	1"1/4	31.5	63.5	96	36
USDFLPIR6452424	1"1/2	1"1/2	38	63.5	114	41
USDFLPIR6453224	2"	1"1/2	38	79.4	116	44
USDFLPIR6453232	2"	2"	51	79.4	152	57

Notes

FOR HOSE:
 DN 19-25
 DIN EN 856 4SP
 DIN EN 856 4SH
 SAE100 R12
 SAE100 R13
 SAE100 R15
 DN from 32 to 51
 DIN EN 856 4SH
 SAE100 R12

Note

PER TUBO:
 DN 19-25
 DIN EN 856 4SP
 DIN EN 856 4SH
 SAE100 R12
 SAE100 R13
 SAE100 R15
 DN da 32 a 51
 DIN EN 856 4SH
 SAE100 R12



ONE PIECE SPIRAL HOSES DRY-SPIRAL METRIC FITTINGS 24°
 INSERTI METRICI 24° DRY-SPIRAL ONE PIECE TUBI SPIRALATI

USDFES

DKOS - DRY-SPIRAL METRIC O-RING FEMALE, 24° CONE, HEAVY
 DKOS - DRY-SPIRAL FEMMINA METRICA O-RING, CONO24°, SERIE PESANTE

Thread - Filetto: METRICO

Norme - Norma: DIN 3865

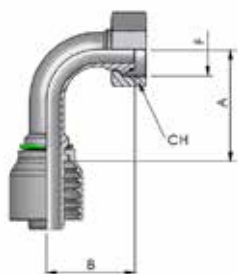
Code Article Codice Articolo	Thread Filetto	Hose Tubo		Standpipe Codolo	Dimensions (mm) Dimensioni (mm)	
		Inch/Pollici	DN (mm)		mm	CH
USDFES2012	M30X2	3/4	19	20	36	37
USDFES2512	M36X2	3/4	19	25	46	39
USDFES2516	M36X2	1"	25	25	46	41
USDFES3016	M42X2	1"	25	30	50	42
USDFES3020	M42X2	1"1/4	32	30	50	43
USDFES3820	M52X2	1"1/4	32	38	60	48
USDFES3824	M52X2	1"1/2	38	38	60	51

Notes

FOR HOSE:
 DN 19-25
 DIN EN 856 4SP
 DIN EN 856 4SH
 SAE100 R12
 SAE100 R13
 SAE100 R15
 DN from 32 to 51
 DIN EN 856 4SH
 SAE100 R12

Note

PER TUBO:
 DN 19-25
 DIN EN 856 4SP
 DIN EN 856 4SH
 SAE100 R12
 SAE100 R13
 SAE100 R15
 DN da 32 a 51
 DIN EN 856 4SH
 SAE100 R12



ONE PIECE SPIRAL HOSES DRY-SPIRAL METRIC FITTINGS 24°
 INSERTI METRICI 24° DRY-SPIRAL ONE PIECE TUBI SPIRALATI

USDC90ES

DKOS 90° - DRY-SPIRAL METRIC O-RING FEMALE 90°, 24° CONE, HEAVY

DKOS 90° - DRY-SPIRAL FEMMINA 90° METRICA O-RING, CONO 24°, SERIE PESANTE

Thread - *Filetto*: METRICO
 Norme - *Norma*: DIN 3865

Code Article Codice Articolo	Thread Filetto	Hose Tubo		Standpipe Codolo	Dimensions (mm) Dimensioni (mm)		
		Inch/Pollici	DN (mm)		mm	CH	A
USDC90ES2012	M30X2	3/4	19	20	36	55	55
USDC90ES2512	M36X2	3/4	19	25	46	55	55
USDC90ES2516	M36X2	1"	25	25	46	71	69
USDC90ES3016	M42X2	1"	25	30	50	71	67
USDC90ES3020	M42X2	1"1/4	32	30	50	87	83
USDC90ES3820	M52X2	1"1/4	32	38	60	87	80
USDC90ES3824	M52X2	1"1/2	38	38	60	105	100

Notes

FOR HOSE:
 DN 19-25
 DIN EN 856 4SP
 DIN EN 856 4SH
 SAE100 R12
 SAE100 R13
 SAE100 R15
 DN from 32 to 51
 DIN EN 856 4SH
 SAE100 R12

Note

PER TUBO:
 DN 19-25
 DIN EN 856 4SP
 DIN EN 856 4SH
 SAE100 R12
 SAE100 R13
 SAE100 R15
 DN da 32 a 51
 DIN EN 856 4SH
 SAE100 R12



ONE PIECE SPIRAL HOSES DRY-SPIRAL METRIC FITTINGS 24°
 INSERTI METRICI 24° DRY-SPIRAL ONE PIECE TUBI SPIRALATI

USDC45ES

DKOS 45° - DRY-SPIRAL METRIC O-RING FEMALE 45°, 24° CONE, HEAVY

DKOS 45° - DRY-SPIRAL FEMMINA 45° METRICA O-RING, CONO 24°, SERIE PESANTE

Thread - *Filetto*: METRIC
 Norme - *Norma*: DIN 3865

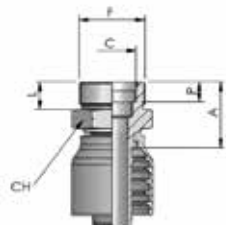
Code Article Codice Articolo	Thread Filetto	Hose Tubo		Standpipe Codolo	Dimensions (mm) Dimensioni (mm)		
		Inch/Pollici	DN (mm)		mm	CH	A
USDC45ES2012	M30x2	3/4	19	20	36	65	27
USDC45ES2512	M36X2	3/4	19	25	46	66	28
USDC45ES2516	M36X2	1"	25	25	46	83	34
USDC45ES3016	M42X2	1"	25	30	50	82	32
USDC45ES3020	M42X2	1"1/4	32	30	50	100	40
USDC45ES3820	M52X2	1"1/4	32	38	60	97	38
USDC45ES3824	M52X2	1"1/2	38	38	60	121	48

Notes

PER TUBO:
 DN 19-25
 DIN EN 856 4SP
 DIN EN 856 4SH
 SAE100 R12
 SAE100 R13
 SAE100 R15
 DN da 32 a 51
 DIN EN 856 4SH
 SAE100 R12

Note

FOR HOSE:
 DN 19-25
 DIN EN 856 4SP
 DIN EN 856 4SH
 SAE100 R12
 SAE100 R13
 SAE100 R15
 DN from 32 to 51
 DIN EN 856 4SH
 SAE100 R12



ONE PIECE SPIRAL HOSES DRY-SPIRAL METRIC FITTINGS 24°
 INSERTI METRICI 24° DRY-SPIRAL ONE PIECE TUBI SPIRALATI

USDMES

CES - DRY-SPIRAL METRIC MALE, 24° CONE, HEAVY
 CES - DRY-SPIRAL MASCHIO METRICO, CONO 24°, SERIE PESANTE

Thread - *Filetto*: METRIC
 Norme - *Norma*: DIN 3861

Code Article Codice Articolo	Thread Filetto	Hose Tubo		Standpipe Codolo	Dimensions (mm) Dimensioni (mm)			
		Inch/Pollici	DN (mm)		mm	CH	A	P
USDMES2012	M30X2	3/4	19	20	30	34	10,5	16
USDMES2512	M36X2	3/4	19	25	36	38	12	18
USDMES2516	M36X2	1"	25	25	36	40	12	18
USDMES3016	M42X2	1"	25	30	46	44	13,5	20
USDMES3020	M42X2	1"1/4	32	30	46	47	13,5	20
USDMES3820	M52x2	1"1/4	32	38	55	51	16	22
USDMES3824	M52x2	1"1/2	38	38	55	53	16	22

Notes

FOR HOSE:
 DN 19-25
 DIN EN 856 4SP
 DIN EN 856 4SH
 SAE100 R12
 SAE100 R13
 SAE100 R15
 DN from 32 to 51
 DIN EN 856 4SH
 SAE100 R12

Note

PER TUBO:
 DN 19-25
 DIN EN 856 4SP
 DIN EN 856 4SH
 SAE100 R12
 SAE100 R13
 SAE100 R15
 DN da 32 a 51
 DIN EN 856 4SH
 SAE100 R12

WATERBLAST

The **WaterBlast** range is characterized for resistance and functionality guaranteeing safety and excellent performance in the washing lines.

The **WaterBlast** fittings have been developed for the hoses from 700 to 1200 bars, with 4 or 6 spirals.

The high pressure hoses are used in the following applications:

- Surface renovation
- Ship maintenance
- Runway cleaning
- Swimming pool cleaning
- Paint removal

La gamma **WaterBlast** si caratterizza per resistenza e funzionalità garantendo sicurezza e ottime performance nelle linee di lavaggio.

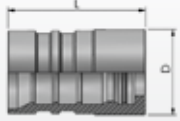
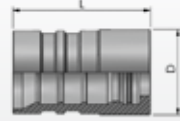

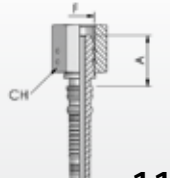
I raccordi **WaterBlast** sono stati sviluppati per tubazioni da 700 a 1200 bar, con 4 o 6 spirali.

Le condotte ad altissime pressioni sono utilizzate nelle seguenti applicazioni:

- Pulizia delle superfici
- Manutenzione navale
- Rimozione pitture stradali
- Pulizia piscine
- Rimozione vernici

WATERBLAST FITTINGS
RACCORDI WATERBLAST



<p>B4WB</p>  <p>108</p> <p>SKIVE FERRULE WATERBLAST FOR HOSE 4 SPIRALS BOCCOLE WATERBLAST A PELARE PER TUBI 4 SPIRALI</p>	<p>B6WB</p>  <p>109</p> <p>SKIVE FERRULE WATERBLAST FOR HOSE 6 SPIRALS BOCCOLE WATERBLAST A PELARE PER TUBI 6 SPIRALI</p>	<p>WBFES</p>  <p>110</p> <p>DKOS - WATERBLAST METRIC O-RING FEMALE, 24° CONE, HEAVY DKOS - WATERBLAST FEMMINA METRICA O-RING, CONO 24°, SERIE PESANTE</p>	<p>WFBG</p>  <p>111</p> <p>DKR - WATERBLAST BSP FEMALE THRUST WIRE NUT, 60° DKR - WATERBLAST FEMMINA BSP DADO SPINATO, CONO 60°</p>
---	--	--	---

<p>WBMNPT</p>  <p>112</p> <p>AGN - WATERBLAST NPTF MALE AGN - WATERBLAST MASCHIO NPTF</p>			
--	--	--	--

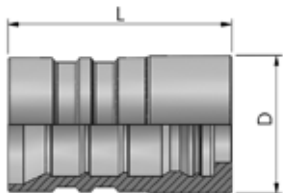
index	1f
	108
	113

SKIVE FERRULE WATERBLAST
BOCCOLE WATERBLAST A PELARE

B4WB

SKIVE FERRULE WATERBLAST FOR HOSE 4 SPIRALS
BOCCOLE WATERBLAST A PELARE PER TUBI 4 SPIRALI

Norme - Norma:



Code Article Codice Articolo	Hose Tubo		Dimensions (mm) Dimensioni (mm)		Skive ins. Pel. int	Skive ext. Pel. est.	Hose Type Tipo Tubo
	Cod	Inch/Pollici	DN (mm)	D	L	DN (mm)	DN (mm)
B4WB04	1/4"	6	24	50	17	38	
B4WB06	3/8"	10	28	54	17	47	
B4WB08	1/2"	12	36	58	18,5	50	
B4WB12	3/4"	19	42	65	20	56	
B4WB16	1"	25	50	82	20	72	

Notes

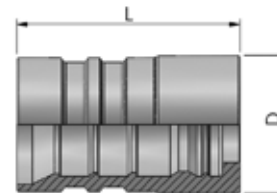
Note

SKIVE FERRULE WATERBLAST
BOCCOLE WATERBLAST A PELARE

B6WB

SKIVE FERRULE WATERBLAST FOR HOSE 6 SPIRALS
BOCCOLE WATERBLAST A PELARE PER TUBI 6 SPIRALI

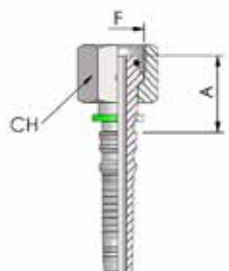
Norme - Norma:



Code Article Codice Articolo	Hose Tubo		Dimensions (mm) Dimensioni (mm)		Skive ins. Pel. int	Skive ext. Pel. est.	Hose Type Tipo Tubo
	Cod	Inch/Pollici	DN (mm)	D	L	DN (mm)	DN (mm)
B6WB04	1/4"	6	27	50	17	40	
B6WB06	3/8"	10	32	54	17	44	
B6WB08	1/2"	12	36,5	58	18,5	50	
B6WB12	3/4"	19	44	65	20	55	
B6WB16	1"	25	-	-	20	-	

Notes

Note



WATERBLAST METRIC FITTINGS 24°
 INSERTI METRICI 24° WATERBLAST

WBFES

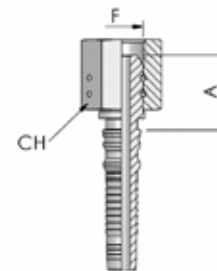
DKOS - WATERBLAST METRIC O-RING FEMALE, 24° CONE, HEAVY
 DKOS - WATERBLAST FEMMINA METRICA O-RING, CONO24°, SERIE PESANTE

Thread - Filetto: METRIC
 Norme - Norma:

Code Article Codice Articolo	Thread Filetto	Hose Tubo		Standpipe Codolo	Dimensions (mm) Dimensioni (mm)	
		Inch/Pollici	DN (mm)		mm	CH
WBFES1004	M18x1,5	1/4"	6	10	22	27
WBFES1204	M20x1,5	1/4"	6	12	24	31
WBFES1406	M22x1,5	3/8"	10	14	27	32
WBFES1606	M24x1,5	3/8"	10	16	32	34
WBFES1608	M24x1,5	1/2"	12	16	32	34
WBFES2512	M36x2	3/4"	19	25	46	44
WBFES3016	M42x2	1"	25	30	50	45

Notes

Note



WATERBLAST BSP FITTINGS 60°
 INSERTI BSP 60° WATERBLAST

WFBG

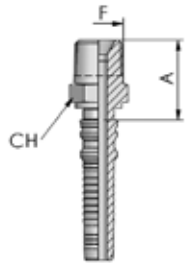
DKR - WATERBLAST BSP FEMALE THRUST WIRE NUT, 60°
 DKR - WATERBLAST FEMMINA BSP DADO SPINATO, CONO 60°

Thread - Filetto: BSP
 Norme - Norma:

Code Article Codice Articolo	Thread Filetto	Hose Tubo		Dimensions (mm) Dimensioni (mm)	
		Inch/Pollici	DN (mm)	CH	A
WFBG0404	1/4"-19	1/4"	6	22	24
WFBG0606	3/8"-19	3/8"	10	25	26
WFBG0808	1/2"-14	1/2"	12	30	32
WFBG1212	3/4"-14	3/4"	19	36	34
WFBG1616	1"-11	1"	25	46	37

Notes

Note



WATERBLAST NPT FITTINGS
 INSERTI NPT WATERBLAST

WBMNPT

AGN - WATERBLAST NPTF MALE
 AGN - WATERBLAST MASCHIO NPTF

Thread - *Filetto*: NPTF
 Norme - *Norma*:

Code Article Codice Articolo	Thread Filetto	Hose Tubo		Dimensions (mm) Dimensioni (mm)	
		Inch/Pollici	DN (mm)	CH	A
WBMNPT0404	1/4"-19	1/4"	6	17	28
WBMNPT0606	3/8"-19	3/8"	10	19	32
WBMNPT0808	1/2"-14	1/2"	12	22	37
WBMNPT1212	3/4"-14	3/4"	19	27	37,5
WBMNPT1616	1"-11	1"	25	36	47,5

Notes

Note



GENERAL TERMS AND CONDITIONS OF SALE

1. General Provisions.

- (a) The terms and conditions set out below (the "General Terms and Conditions of Sale") shall form part of all the agreements executed between the **Seller** and the **Buyer** for the supply of the Seller products (the "**Products**").
- (b) The General Terms and Conditions of Sale shall apply to all transaction executed between the Seller and the Buyer without any need of express reference thereto or agreement thereon at the conclusion of such transaction. Any dissenting terms and conditions shall only apply if confirmed in writing by the Seller.
- (c) The Seller reserves the right to change, integrate or vary the General Terms and Conditions of Sale, by including such variations in the quotations or in any other written correspondence sent to the Buyer.

2. Offers and Orders.

- (a) The Seller's offers shall not be binding, in particular with reference to quantities, price and delivery time.
- (b) Orders placed by the Buyer shall not be regarded as accepted before these have been confirmed by the Seller in writing. If the Seller should fail to confirm an agreement in writing which it has entered into verbally, the Seller's invoice or the execution of the order by the Seller shall be regarded as confirmation.
- (c) On the orders with rateable amount lower than € 200, received by the Seller, is added an increase of € 50.
- (d) The costs of package correspond to 0,5% of the rateable amount of the goods indicated on the invoice.
- (e) Orders and/or amendments of orders placed verbally or by telephone, must be confirmed in writing by the Buyer. Otherwise the Seller does not accept any responsibility for errors or consequent misunderstandings.

3. Prices and Terms of Payment.

- (a) The prices of the Products shall exclude any statutory VAT which shall be payable at the date of delivery or pursuant specific provisions included in the invoice. Unless otherwise stated all prices quoted in any document or correspondence issued by the Seller do not include packaging and transport costs, nor the ancillary expenses as indicated in the Seller's sales catalogue in force at the moment of the conclusion of the contract.
- (b) The payment of the Net Invoice Price shall be paid free of any reduction by the Buyer at least within 30 (thirty) days from the date of the receipt of the invoice by the Buyer.
- (c) In addition to other remedies permitted under the applicable law and these General Terms and Conditions of Sale, the Seller reserves the right to recover default interest on delayed payments starting from the due date, calculated at the official reference rate of the European Central Bank increased by 7 (seven) basis points.
- (d) If the Buyer fails to take payments in the time and manner specified by the Seller or the Buyer business shall be operated beyond the ordinary course of business which shall include, without limitation, when seizure or protest has been made, payments shall be delayed or insolvency proceedings shall have been petitioned or opened, the Seller shall have the right to suspend or cancel, at its sole discretion, further delivery and to declare all its claims arising from the business relationship as immediately payable. Moreover the Seller may in such event request for anticipation on the payments or a warranty deposit.
- (e) The Buyer shall have no right to make any compensation, retention or reduction unless the counterclaims have been conclusively determined by the court.

4. Terms of Delivery.

- (a) Unless otherwise agreed, the delivery of the products shall be EXW (Incoterms 2000) F.B. S.r.l. plants.
- (b) The Buyer shall provide the means of transport and shall

- be responsible for its availability on time. The Seller shall immediately be informed of any delays. Any costs arising thereof shall be at the expense of the Buyer.
- (c) Unless otherwise expressly agreed in writing any indicated time of delivery shall be nonbinding for the Seller. Unless different agreement between the parties, the approximate term for the delivery is the one specified in the confirmation of order.
- (d) The Seller reserves the right to reasonably delivery in instalments.
- (e) Any liability to supply as a result of force majeure or other unforeseen incidents outside the Seller responsibility including, without limitation, strike, lock out, acts of public authorities, subsequent cease of export or import opportunities shall, for their duration and in accordance with their impact, relieve the Seller from the obligation to comply with any agreed time for delivery.
- (f) The Seller is not obliged to accept the Products returns, unless otherwise agreed in writing. Any costs arising thereof shall be at the expense of the Buyer.

5. Duty to Inspection and Acceptance of Products.

- (a) Upon taking possession of the Products, the Buyer shall immediately:
- (i) check quantities and packaging of the Products and record any objections on the delivery note; and
 - (ii) conduct a conformity check on the Products compared to the data indicated in the confirmation of order and record any objections on the delivery note.
- (b) In case of a notice of defect the Buyer shall comply with the following procedures and deadline:
- (i) the notification shall be made by no later than 3 (three) working days from the taking possession of the Products by the Buyer. In the event of an objection to a defect which, despite a first inspection has remained undiscovered, the objection must be raised within the early of the expiry of the working day on which the defect has been discovered but in any event by no later than 2 (two) weeks after take over of the Products;
 - (ii) the detailed notice shall be delivered to the Seller within the aforementioned deadlines in writing by fax or email. Any notice by telephone conversation shall not be accepted;
 - (iii) the notice must clearly specify the kind of the alleged defect;
 - (iv) the Buyer agrees to make available for inspection the objected Products; such inspection shall be done by the Seller or by any expert designated by the Seller.
- (c) No objections with regard to the quantities, quality, type, and packaging of the Products shall be possible unless a note has been placed on the delivery note in accordance with the above mentioned procedure.
- (d) Any Product to which objection shall not have been raised in accordance with the procedures and deadlines set out above shall be regarded as approved and accepted by the Buyer.

6. Terms of Warranty.

- (a) The Seller hereby represents and warrants that the Products shall be free from defect and shall comply with the technical specifications forwarded by the Seller
- (b) The Products are guaranteed for a period of 12 (twelve) months from the date of the shipment of the Products themselves for ordinary operations in accordance with specifications forwarded by the Seller.
- (c) Such warranty only includes the substitution or repair of the defective Products with the exclusion of any other and different obligation. The Product will be repaired by the seller at its own office, its secondary office or its own authorised reseller. The Buyer will have to provide with the sending at his own expenses the defective Product to the office, secondary office, or authorised reseller as indicated by the Seller. The Seller will

- send to the Buyer the new Product or the repaired Product, bearing therefore the costs of the shipment.
- (d) The Seller doesn't accept claims for goods tampered or used improperly.

7. Limitation of Liability.

- (a) Unless in case of justified objection which shall have been raised in accordance with the procedure and deadlines set forth in paragraph 5 above, the Buyer shall not be entitled to any further rights or remedies. In particular, the Seller shall not be responsible for any compensation based on breach of contract or default, for any direct or indirect damage or loss of profit due to the use, the inability to use, or the incorporation of the Products in other products, unless under warranties granted in paragraph 6 or in cases of wilful misconduct or gross negligence on the Seller's part.
- (b) The Seller shall do its best endeavour to deliver the Products within the time agreed (if any), but it shall not be liable for any loss or damage of any kind whatsoever caused directly or indirectly by any delay in the completion of the contract or delivery of the Products.
- (c) Catalogues, price lists or other advertising matters of the seller are only an indication of the type of Products and no prices or other information contained herein shall be binding for the Seller. The Seller does not accept any responsibility for errors or omissions contained in its price lists or promotional matters.
- (d) The dimensions, which must be respected peremptorily, must be written from the buyer on the orders.

8. Retention of Title.

- (a) The Product supplied shall remain in the property of the Seller until the date of the full payment by the Buyer of the entire price of the Products and of all amounts due to the Seller. Until that time the Buyer shall hold the Products as the Seller's fiduciary agent and shall keep the Product properly stored, protected and insured.
- (b) If in the Country of the Buyer's domicile for the validity of the retention of title for the benefit of the Seller it is necessary to fulfil some administrative or legal formalities as, without limitation, to file the Products with the public registers or to affix particular seals on them, the Buyer shall cooperate with the Seller and shall do its best effort for carry out all the necessary actions in order to obtain a valid retention of title right on the Products for the benefit of the seller.
- (c) The Buyer shall have the right to dispose of the Products delivered by the Seller or to process them in the ordinary course of the business. In such a case, the proceeds came from the sale or from the process of the Products shall be transferred to the Seller up to the concurrence of the full price due by the Buyer to the Seller for the supply of Products.
- (d) The right to the Buyer to dispose of Products or to process them shall cease in the cases referred to in paragraph 3 (d) above. In such a case, the Buyer must place the Products at the disposal of the Seller who shall have the right to enter upon the Buyer's premises for the purpose of obtain the ownership of the Products.
- (e) In the event of any third party action against the Seller's Products delivered under retention of title, the Buyer shall notify such party of the Seller's property and shall immediately inform the Seller about such action. The Buyer shall bear the costs of any intervention.

9. Data Protection Law.

- (a) The personal data of the Buyer shall be processed in accordance with the Italian data protection law (Legislative Decree 196/2003). The Seller inform the Buyer that the Seller is the data controller and that the Buyer's personal data shall be collected and processed for the only purpose of the performance of this agreement. Pursuant article 7 of the Italian

Legislative Decree 196/2003, the Buyer has the right to ask to the Seller the updating, amendment, integration, writing off and transformation in anonymous form of its data.

10. Applicable Law.

- (a) In case of the Buyer is a subject having Italian nationality, the present General Terms and Conditions of Sale and all the agreements executed between the Seller and the Buyer shall be governed by Italian laws.
- (b) On the contrary, in case of the Buyer is a subject having a nationality different from the Italian one, the present General Terms and Conditions of Sale and all the agreements executed between the Seller and the Buyer shall be governed by the United Nations Convention of Vienna of 1980 on Contracts for the International Sale of Goods.

11. Jurisdiction.

- (a) Any dispute arising between the parties in connection with the interpretation, validity or performance of the present General Terms and Conditions of Sale and of all the relevant agreements, shall be of the exclusive competence of the referred to the Court of Bologna.
- (b) It is agreed between parties that the Seller, at its own discretion, may have the faculty to waive the exclusive jurisdiction set forth in paragraph (a) to bring an action against the Buyer in its domicile and before any court of competent jurisdiction.

12. Final Provisions.

- (a) The total or partial invalidity of any provision of the present General Terms and Conditions of Sale shall not affect the validity of the other provisions.
- (b) The present General Terms and Conditions of Sale have been drafted in both Italian and English languages. In case of problems of interpretation the Italian version shall prevail.

F.B. Hydraulic Srl

CONDIZIONI GENERALI DI VENDITA

1. Disposizioni Generali.

(a) I termini e le condizioni qui di seguito indicati (le "Condizioni Generali di Vendita") formano parte integrante dei contratti conclusi tra il **Venditore** e l'**Acquirente** per la fornitura dei prodotti del Venditore (i "**Prodotti**").

(b) Le Condizioni Generali di Vendita si applicano a tutte le transazioni concluse tra il Venditore e l'Acquirente senza la necessità che vi sia un espresso richiamo alle stesse o uno specifico accordo in tal senso alla conclusione di ogni singola transazione. Qualsiasi condizione o termine differente trova applicazione soltanto se confermato per iscritto da parte del Venditore.

(c) Il Venditore si riserva il diritto di modificare, integrare o variare le Condizioni Generali di Vendita, allegando tali variazioni alle offerte ovvero a qualsivoglia corrispondenza inviata per iscritto all'Acquirente.

2. Offerte e Ordini.

(a) Le offerte del Venditore non sono da considerarsi vincolanti, in particolare con riferimento alle quantità, ai prezzi e ai termini di consegna.

(b) Gli ordini effettuati dall'Acquirente non s'intendono accettati finché non siano stati confermati per iscritto da parte del Venditore. Nel caso in cui il Venditore non provveda alla conferma per iscritto di un ordine negoziato verbalmente, l'emissione della fattura da parte del Venditore oppure l'esecuzione dell'ordine da parte del Venditore sarà considerata quale conferma.

(c) Agli ordini ricevuti dal Venditore con valore imponibile inferiore ad € 200,00 viene praticato un aumento forfetario di € 50.

(d) I costi di imballo corrispondono allo 0,5% del valore imponibile delle merci indicato in fattura.

(e) Gli ordini e/o le modifiche di ordini effettuati verbalmente o telefonicamente devono essere confermati per iscritto da parte dell'Acquirente. In caso contrario il Venditore non si assume alcuna responsabilità con riguardo a eventuali errori o possibili fraintendimenti.

3. Prezzi e Termini di Pagamento.

(a) I Prezzi dei Prodotti non sono comprensivi di IVA, che deve essere corrisposta al momento della consegna o in conformità alle specifiche disposizioni indicate nella fattura. A meno che non sia diversamente precisato, tutti i prezzi indicati in qualsivoglia documento o corrispondenza emessi dal Venditore si intendono non comprensivi dei costi di imballaggio e di trasporto, né degli oneri accessori indicati nel catalogo del Venditore in vigore al momento della conclusione del contratto.

(b) Il pagamento del Prezzo Netto indicato in fattura deve essere effettuato privo di qualsivoglia riduzione al più tardi entro 30 (trenta) giorni dalla data di ricevimento della fattura da parte dell'Acquirente.

(c) In aggiunta agli altri rimedi consentiti dalla legge applicabile o dalle presenti Condizioni Generali di Vendita, si riserva il diritto di applicare interessi di mora sui ritardati pagamenti a decorrere dalla data in cui sia maturato il diritto al pagamento, calcolati al tasso ufficiale di riferimento della Banca Centrale Europea aumentato di 7 (sette) punti.

(d) Nel caso in cui l'Acquirente non effettui il pagamento nei termini e secondo le modalità indicate dal Venditore o nel caso in cui l'attività dell'acquirente sia condotta non in conformità al corso ordinario degli affari, con ciò intendendosi, senza alcuna limitazione, l'emissione di atti di sequestro o di protesti, o quando i pagamenti siano stati ritardati o siano state richieste o promosse procedure concorsuali, il Venditore ha il diritto, a propria discrezione, di sospendere o di cancellare ulteriori consegne e di dichiarare qualsiasi pretesa derivante dal rapporto d'affari come immediatamente esigibile.

Inoltre il Venditore può in tali casi richiedere anticipi sui pagamenti o un deposito in garanzia.

(e) L'Acquirente non ha alcun diritto di effettuare alcuna compensazione, trattenuta o riduzione tranne che nel caso in cui la propria domanda in tal senso sia stata definitivamente e giudizialmente accolta.

4. Termini di Consegna.

(a) Se non diversamente concordato, la consegna dei Prodotti si intende pattuita EXW (Incoterms 2000) stabilimento F.B. Srl

(b) L'Acquirente provvede al mezzo di trasporto ed è responsabile per la sua disponibilità entro il termine pattuito. Il Venditore deve essere immediatamente informato di ogni ritardo. Qualsiasi costo da ciò derivante è a carico dell'Acquirente.

(c) Se non diversamente concordato per iscritto, qualsiasi termine di consegna indicato non è vincolante per il Venditore. Salvo diverso accordo tra le parti, il termine di consegna indicativo è quello precisato nella conferma d'ordine.

(d) Il Venditore si riserva il diritto di effettuare ragionevolmente consegne parziali.

(e) Qualsiasi responsabilità per la consegna derivante da forza maggiore o da altri eventi imprevedibili non imputabili al Venditore, ivi inclusi, senza alcuna limitazione, scioperi, serrate, disposizioni della pubblica amministrazione, successivi blocchi delle possibilità di esportazione o importazione, in considerazione della loro durata e della loro portata, liberano il Venditore dall'obbligazione di rispettare qualsiasi termine di consegna pattuito.

(f) Il Venditore non è obbligato ad accettare resi dei prodotti, salvo che sia stato espressamente pattuito per iscritto. Qualsiasi costo a tal fine sostenuto è a carico dell'Acquirente.

5. Doveri di Ispezione e Accettazione dei Prodotti.

(a) Al momento della presa in consegna dei Prodotti, l'Acquirente dovrà immediatamente:

(I) verificare le quantità e l'imballaggio dei Prodotti e registrare qualsiasi obiezione nella nota di consegna;

(II) effettuare un controllo di conformità dei Prodotti rispetto a quanto indicato nella conferma d'ordine e registrare qualsiasi difformità nella nota di consegna.

(b) Nel caso di denuncia di vizi l'Acquirente deve rispettare le procedure e i termini che seguono:

(I) la comunicazione deve essere effettuata entro non più di 3 (tre) giorni lavorativi a partire dalla presa in consegna dei Prodotti da parte dell'Acquirente. Nel caso in cui la contestazione sia relativa ad un vizio che, nonostante l'ispezione iniziale, sia rimasto celato, la contestazione deve essere effettuata al più presto entro la fine del giorno lavorativo in cui il vizio sia stato scoperto e, in ogni caso, non più tardi di 2 (due) settimane dalla presa in consegna dei Prodotti;

(II) la comunicazione dettagliata deve essere inoltrata al Venditore entro i termini sopra indicati a mezzo fax. Qualsiasi comunicazione effettuata telefonicamente non viene accettata;

(III) la comunicazione deve chiaramente specificare la tipologia dei vizi addotti;

(IV) l'Acquirente acconsente a mettere a disposizione i Prodotti contestati perché vengano ispezionati; tale ispezione verrà effettuata dal Venditore o da un perito nominato dal Venditore.

(c) Nessuna contestazione con riferimento alle quantità, alla qualità, alla tipologia e all'imballaggio dei Prodotti potrà essere effettuata salvo che attraverso la comunicazione apposta alla nota di consegna, conformemente alla procedura sopra indicata.

(d) Qualsiasi Prodotto per il quale non sia stata sollevata alcuna contestazione conformemente alle procedure e ai termini qui sopra indicati viene considerato approvato e accettato dall'Acquirente.

6. Termini di Garanzia.

(a) Il Venditore garantisce che i Prodotti sono esenti da vizi e conformi alle specifiche tecniche dichiarate dal Venditore.

(b) I Prodotti sono garantiti per un periodo di 12(dodici) mesi dalla data di spedizione dei Prodotti stessi per un funzionamento ordinario secondo le specifiche dichiarate dal Venditore.

(c) Tale garanzia comprende unicamente la sostituzione o riparazione dei Prodotti difettosi con esclusione di ogni ulteriore e diversa obbligazione. Il Prodotto verrà riparato dal Venditore presso la propria sede, la propria filiale o il proprio

rivenditore autorizzato. L'Acquirente dovrà provvedere ad inviare a proprie spese il Prodotto difettoso presso la sede, filiale o rivenditore autorizzato indicatogli dal Venditore. Il Venditore invierà all'Acquirente il nuovo Prodotto o il Prodotto riparato, sostenendo i costi della spedizione.

(d) Il Venditore non accetta reclami per materiale manomesso o utilizzato in modo improprio.

7. Limitazione della Responsabilità.

(a) Tranne che nei casi di giustificata contestazione sollevati conformemente a quanto previsto nel precedente paragrafo 5, all'Acquirente non è riconosciuto alcun ulteriore diritto o rimedio. In particolare, il Venditore non è responsabile per alcun indennizzo richiesto per violazione o inadempimento contrattuale, per qualsiasi danno diretto o perdita di profitto sopportato dall'Acquirente in conseguenza dell'uso, del mancato uso, o dell'installazione dei Prodotti in altri prodotti, ad eccezione dei casi coperti da garanzia indicati nel paragrafo 6 o in caso di dolo o colpa grave da parte del Venditore.

(b) Il Venditore farà tutto quanto in suo potere per consegnare i Prodotti entro i termini eventualmente concordati, ma in nessun caso potrà essere chiamato a rispondere dei danni direttamente o indirettamente causati dalla ritardata esecuzione di un contratto o dalla ritardata consegna dei Prodotti.

(c) I cataloghi, i listini prezzi o altro materiale promozionale del Venditore costituiscono soltanto una indicazione della tipologia dei Prodotti e dei prezzi e le indicazioni ivi indicate non sono vincolanti per il Venditore. Il Venditore non si assume alcuna responsabilità per errori od omissioni contenuti nei propri listini prezzi o nel proprio materiale promozionale.

(d) Le quote dimensionali da rispettarsi tassativamente devono essere esplicitamente indicate per iscritto dall'Acquirente sugli ordini.

8. Riserva di Proprietà.

(a) I Prodotti forniti rimangono di piena proprietà del Venditore fino alla data in cui l'Acquirente non abbia provveduto al pagamento dell'intero prezzo degli stessi e di tutte le somme dovute al Venditore. Fino a tale momento l'Acquirente conserva i prodotti in qualità di possessore fiduciario del Venditore e deve custodire i Prodotti adeguatamente immagazzinati, protetti e assicurati.

(b) Nel caso in cui nel paese in cui l'Acquirente ha il proprio domicilio per la validità della riserva di proprietà a favore del Venditore sia necessario l'esplicitamento di formalità amministrative o legali quali, senza alcuna limitazione, la registrazione dei Prodotti in pubblici registri, ovvero l'apposizione sugli stessi di appositi sigilli, l'Acquirente si impegna fin d'ora a collaborare con il Venditore e a porre in essere tutti gli atti necessari al fine di far ottenere a quest'ultimo un valido diritto con riferimento alla riserva di proprietà.

(c) L'Acquirente ha il diritto di disporre dei Prodotti fornitigli o di utilizzare gli stessi nelle lavorazioni nel corso dello svolgimento ordinario della sua attività. In tal caso, i proventi derivanti dalla vendita o dalla lavorazione dei Prodotti verranno trasferiti al Venditore fino alla concorrenza del prezzo dovuto dall'Acquirente al Venditore per la fornitura dei Prodotti.

(d) Il diritto dell'Acquirente di disporre dei Prodotti o di utilizzare gli stessi nel corso dello svolgimento ordinario della sua attività verrà meno nei casi indicati nel paragrafo 3 sopra indicato. In tal caso l'Acquirente dovrà mettere i Prodotti a disposizione del Venditore, che potrà accedere alla sede dell'Acquirente per ottenere il possesso degli stessi.

(e) Nell'ipotesi di azioni esercitate da terzi nei confronti dei Prodotti del Venditore forniti e assoggettati alla riserva di proprietà, l'Acquirente dovrà comunicare ai terzi il fatto che gli stessi sono di proprietà del Venditore e dovrà informare immediatamente il Venditore di tale azione. L'Acquirente sosterrà tutti i costi relativi a ciascun intervento.

9. Trattamento dei Dati Personali.

(a) I dati personali dell'Acquirente saranno trattati secondo quanto disposto dalla legge italiana in materia di trattamento dei dati personali (Decreto Legislativo 196/2003). Il Venditore informa l'Acquirente che il Venditore è il titolare del trattamento e che i dati personali dell'Acquirente vengono raccolti e trattati esclusivamente per l'esecuzione del presente accordo. Ai sensi

dell'articolo 7 del D. Lgs. 196/2003, l'Acquirente ha il diritto di richiedere al Venditore l'aggiornamento, la rettifica, l'integrazione, la cancellazione e la trasformazione in forma anonima dei propri dati.

10. Legge Applicabile.

(a) Qualora l'Acquirente sia un soggetto di diritto Italiano, le presenti Condizioni Generali di Vendita e tutti i contratti stipulati da quest'ultimo con il Venditore s'intendono regolati dalla legge Italiana.

(b) Qualora invece l'Acquirente sia un soggetto di nazionalità diversa da quella italiana, le presenti Condizioni Generali di Vendita e tutti i contratti stipulati da quest'ultimo con il Venditore s'intendono regolati dalla Convenzione di Vienna del 1980 relativa ai Contratti di Vendita Internazionale di Beni Mobili.

11. Foro Competente.

(a) Qualsiasi controversia insorta tra le parti a seguito dell'interpretazione, validità o esecuzione delle presenti Condizioni Generali di Vendita e dei relativi contratti stipulati sarà devoluta alla competenza esclusiva del Tribunale di Bologna.

(b) Resta inteso tra le parti che soltanto il Venditore, a propria discrezione, avrà la facoltà di rinunciare alla competenza del foro esclusivo di cui al precedente paragrafo (a) per agire in giudizio nei confronti dell'Acquirente, al suo domicilio e presso il Tribunale ivi competente.

12. Disposizioni Finali.

(a) L'invalidità in tutto o in parte di singole disposizioni delle presenti Condizioni Generali di Vendita non inficia la validità delle restanti previsioni.

(b) Le presenti Condizioni Generali di vendita sono redatte in duplice lingua italiana e inglese. In caso sorgessero dubbi interpretativi prevarrà la versione in italiano.

F.B. Hydraulic Srl



Sales Department
Ufficio Commerciale



export@fb-channel.net

Purchase Department
Ufficio Acquisti

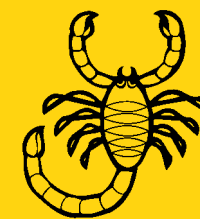
purchase2@fb-channel.net

Technical Department
Ufficio Tecnico

tecnico@fb-channel.net

Quality Assurance quality
Assicurazione Qualità

quality@fb-channel.net



CopyRight © 2015 **FB Hydraulic** | fb-channel.net | All rights reserved

FB Hydraulic reserves the right to make changes in specifications and / or discontinue the production of any item, at any time, without notice or obligation, and disclaims any liability for any consequences arising from the improper use of this publication.

FB Hydraulic si riserva il diritto di apportare modifiche alle specifiche e/o di cessare la produzione di qualsiasi articolo, in qualsiasi momento, senza preavviso o obblighi, e declina qualsiasi responsabilità per eventuali conseguenze derivanti dall'uso improprio della presente pubblicazione.

Credits

Product by:
FB Hydraulic

Graphic design and development:



Matteo Fantini
Francesco del Bosco
Davide Sani
Micaela Contoli



40050 Castello d'Argile (Bologna) - Italy - Via Provinciale Nord, 26/A
Tel. +39 051.97.66.35 Fax +39 051.97.65.72

Web : www.fb-channel.net

