

# PR HYDRAULICS & AIR BRAKE

## ADAPTOR

M16 X 1.5	3/8"	AD-M16-3/8
M22 X 1.5	1/2NPT	AD-22M-1/2
M16 X 1.5	M 22X1.5	AD-16M-22F
M14 X 1.5	MzZX1.5	AD-14lg-22F
M16 X 1.5	3/8"	AD-16M x 3/8
1/4"	M22X1.5	AD-1/4-M22
1/4"	3/8" 1/4" 22F	AD-1/4-3/8
M16 X 1.5		AD16-1/4
M16 X 1.5		AD-16-22 VOSS TYPE
3/4"	1/2"	AD3/4 X 1/2
1/8"	1/4"	AD-1/B - 1/4
1/2"	M22 x 1.5	AD-t/2 Mx M22 F
M26 X 1.5"	M22 x 1.5	AD 26 Mx M22 F



## BANJO BOLT SINGLE

BANJO SINGLE	10x1.5	BBS-10
BANJO SINGLE	12X1.5	BBS-12
BANJO SINGLE	14X1.5	BBS-14
BANJO SINGLE	16XJ.5	BBS-16



## BANJO BOLT DOUBLE


BANJO DOUBLE	8X1.5	BBS-10
BANJO <b>DOUBLE</b>	10X1.5	BBS-12
BANJO DOUBLE	12X1.5	BBS-14
BANJO DOUBLE	14X1.5	BBS-16
BANJO <b>DOUBLE</b>	16XJ.5	



## BANJO TAIL

BANJO TAIL-NYLON M12x06MM PIPE	12X6	BT•12•6
BANJO TAIL-NYLON M12x08MM PIPE	12X8	BT•12•8
BANJO TAIL-NYLON lyl12x12MN PIPE	12X12	BT•1z•1z
BANJO TAIL-NYLON M14x08MM PIPE	1QX8	BT.1t8
BANJO TAIL-NYLON M14x10MU	14X10	BT•14- 10
BANJO TAIL-NYLON M14x12MM PIPE	14X12	BT-14-12
BANJO TAIL-NYLON M16x06MM PIPE	16X6	BT-16-6
BANJO TAIL-NYLON M16x08MM PIPE	16X8	BT-16-8
BANJO TAIL-NYLON M16s10MM PIPE	16X10	BT-16-10
BANJO TAIL-NYLON M16x12MM PIPE	16X12	BT-16-12

PR HYDRAULICS



BULKHEAD UNIONS

BULKHEAD STEEL BULKHEAD STEEL

U  
B  
H  
S  
-  
1  
/  
2  
-  
1  
2  
B  
T  
-  
1  
2  
-  
6  
U  
B  
H  
S  
-  
2  
2  
-  
1  
2  
B  
T  
-  
1  
2  
-  
8



BULKHEAD NIPPLE WITH LOCK NUT

**M22X1.5** BHN-M22



CABLE TIES

<b>CABLE TIE</b>	104 X 2,0	CT104X2.0
CABLE TIE	150 X 3,5	CT150X3.5
CABLE TIE	200 h 4,8	CT200X4.8
CABLE TIE	300 X 4,8	CT300X4.8
CABLE TIE	380 X 7,8	CT380X7.8
CABLE TIE	400 X 4,7	CT400X4.7

## COPPER WASHERS

<b>COPPER WASHERS</b>	12MM	<b>CW12</b>
COPPER WASHERS	14MM	CW14
COPPER WASHERS	16MM	CW16
COPPER WASHERS	22MM	CW22
COPPER WASHERS	26MM	CW26

## CUTTING RINGS

CUTTING RINGS	04MM	CR-4
CUTTING RINGS	06MM	CR-6
CUTTING RINGS	08MM	CR-8
CUTTING RINGS	10MM	CR-10
CUTTING RINGS	12MM	CR-12
CUTTING RINGS	14MM	CR-14
CUTTING RINGS	15MM	CR-15
CUTTING RINGS	16MM	CR-16



PR HYDRAULIC

## ELBOW EQUAL STEEL WITH PIPE NUT & CUTTING RINGS

ELBOW EQUAL STEEL 6 - 6	6MM-6MM	EES-6-6
ELBOW EQUAL STEEL 8 - 8	8MM-8MM	EES-8-8
ELBOW EQUAL STEEL 10 - 10	10MM-10MM	EES-10-10
ELBOW EQUAL STEEL 12 - 12	12MM-12MM	EES-12-12



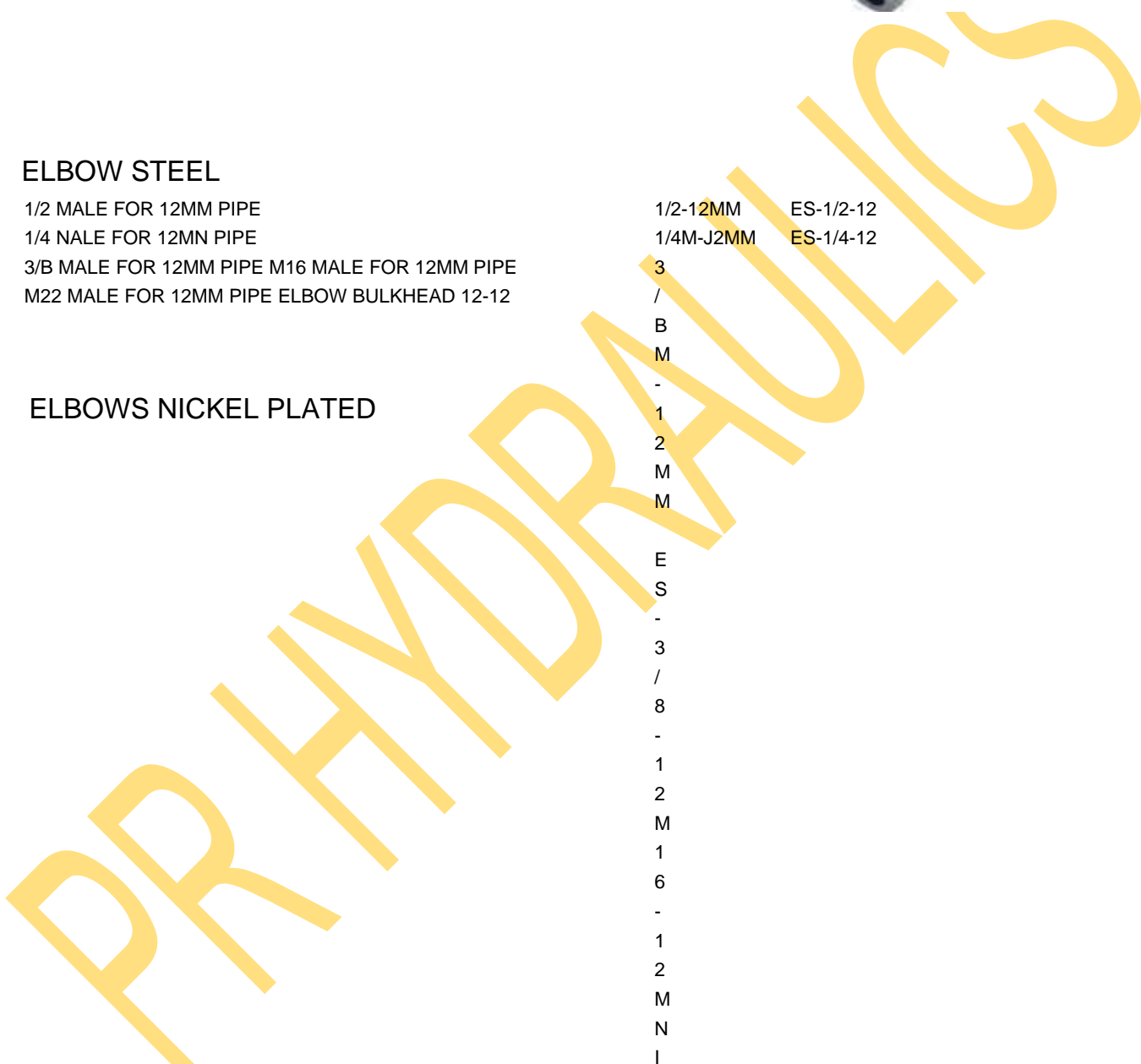
## ELBOW STEEL

1/2 MALE FOR 12MM PIPE  
 1/4 MALE FOR 12MM PIPE  
 3/8 MALE FOR 12MM PIPE M16 MALE FOR 12MM PIPE  
 M22 MALE FOR 12MM PIPE ELBOW BULKHEAD 12-12

1/2-12MM ES-1/2-12  
 1/4M-J2MM ES-1/4-12

## ELBOWS NICKEL PLATED

3  
 /  
 B  
 M  
 -  
 1  
 2  
 M  
 M  
 E  
 S  
 -  
 3  
 /  
 8  
 -  
 1  
 2  
 M  
 1  
 6  
 -  
 1  
 2  
 M  
 N  
 I  
 E  
 S  
 1  
 6  
 -  
 1  
 2  
 M



2	-	
2	1	
M	2	
-	-	
1	1	
2	2	
M		M
M		12X1.5
E		- 6 OD
S		12X1,5
2		- 8 OD
2		12X1,5
-		- 8 OD
1		14X1.5
2		- 8 OD
1		14X1.5
2		- 12 OD
•		14X1.5
1		- 12 OD
2		16X1,5
M		- 8 OD
M		16X1,5
E		- 12 OD
E		22X1,5
B		- 8 OD
H		22X1.5
		- 12 OD
		NEPI 12*6 M 12X1.5 - 12 OD NEPI 12-12 M
		NEPI 12-8 M 12X1.5 - 10 OD NEPI 12-10 M
		NEPI 14-8 M 14X1.5 - 10 OD NEPI t4-10 M
		NEPI 14-12 M 16X1,5 - 6 OD NEPI 16-6 M
		NEPI 16-8 M 16X1.5 - 10 OD NEPI 16-10 M
		NEPI t6-12 M 22X1.5 - 6 OD NEPI 22*6 M
		NEPI 22*8 M 22X1.5 - 10 OD NEPI 22-10 M
		NEPI 22-12

### ELBOWS PUSH IN EQUAL PLASTIC

ELBOW PI PLAS	4 OD	PEPI-4&
ELBOW PI PLAS	6 OD	PEPI*6-6
ELBOW PI PLAS	8 OD	PEPI-8-8
ELBOW PI PLAS	10 OD	PEPh10-00
ELBOW PI PLAS	12 OD	PEPI-12-12
ELBOW PI PLAS	14 OD	PEPI-14-14
ELBOW PI PLAS	15OD	PEPI-15-15
ELBOW PI PLAS	16 OD	PEPI-16-t6
ELBOW PI PLAS	1/2 OD	PEQEPI-1/2-1/2
ELBOW PI PLAS	1/4 OD	PEQEPI-1/4-1/4
ELBOW PI PLAS	3/8 OD	PEQEPI-3/B-3/8



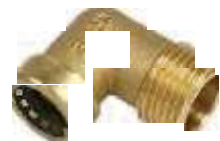
## ELBOW PUSH IN PLASTIC

ELBOW PUSH IN PLASTIC	1/2-12OD	PEPS-1/2-12
ELBOW PUSH IN PLASTIC	1/2NPT-1/2OD	PEPS-1/2NPT-1/2
ELBOW PUSH IN PLASTIC	1/2-1/4	PEPI-1/2 - 1/4
ELBOW PUSH IN PLASTIC	1/2-3/8OD	PEPT-1/2-3/8
ELBOW PUSH IN PLASTIC	1/2 - a OD	PEPJ-1/2-8
ELBOW PUSH IN PLASTIC	1/4NPT-1/2OD	PEPT-1/4NPT-172
ELBOW PUSH IN PLASTIC	1/4NPT-1/4	PEPT-1/4NPT-1/4
ELBOW PUSH IN PLASTIC	1/4-3/8OD	PEPI-1/4-3/8
ELBOW PUSH IN PLASTIC	1/4 - 6 OD	PEPI-1/4-6
ELBOW PUSH IN PLASTIC	1/4 - 8 OD	PEPI-1/4-8
ELBOW PUSH IN PLASTIC	1/4 - 10 OD	PEPJ-1/4-10
ELBOW PUSH IN PLASTIC	1/4-12OD	PEPI-1/4-12
ELBOW PUSH IN PLASTIC	1/eNPT.1£40D	PEPI-1/8NPT•1/4
ELBOW PUSH IN PLASTIC	1/8-40D	PEPI-1/8-4
ELBOW PUSH IN PLASTIC	1/8-40D	PEPI-1/8-4
ELBOW PUSH IN PLASTIC	<b>1/8 - 6 OD</b>	PEPI-1/8-6
ELBOW PUSH IN PLASTIC	1/8 - 8 OD	PEPT-1/8-8
ELBOW PUSH IN PLASTIC	1/8 - 10 OD	PEPT-1/8-10
ELBOW PUSH IN PLASTIC	3/8 - 6 OD	PEPT-3/8-6
ELBOW PUSH IN PLASTIC	1/8 - 12 OD	PEPI-1/8-12
ELBOW PUSH IN PLASTIC	3/8-1/2OD	PEPI-3/8-1/2
ELBOW PUSH IN PLASTIC	3/8NPT•1/2OD	PEPI-3/8NPT•1/2
ELBOW PUSH IN PLASTIC	3/8NPT•1/4OD	PEPI-3/8NPT-174
ELBOW PUSH IN PLASTIC	3/8NPT•3/aOD	PEPI-3/8NPT•3/8
ELBOW PUSH IN PLASTIC	3/8 - 8 OD	PEPI-3/8-8
ELBOW PUSH IN PLASTIC	3/8 - 10 OD	PEPI-3/8-10
ELBOW PUSH IN PLASTIC	3/8 - 12 OD	PEPI-3/8-12



## ELBOW PUSH IN BRASS WB TYPE

ELBOW PI BRAS	M 12 X B OD	BEPI-12-8
ELBOW BRASS PUSH IN	M 16 X B OD	BEPI-16-8
ELBOW PI BRAS	M 16 X 10 OD	BEPI-16-10
ELBOW PI BRAS	kl 16 X 12 OD	BEPI-16-12
ELBOW PI BRAS	M 22 X B OD	BEPI-22-8
ELBOW PI BRAS	M 22 X 12 OD	BEPI-22-12
ELBOW PI BRAS	M1/2 X 1/2 OD	BEPI-1/2-1/2 45D
ELBOW PI BRAE	M1/2 X 1/2 OD	BEPI-1/2-1/2 90D
ELBOW PI BRAS	M1/2 X 5/8 OD	BEPI-1/2-5/8 45B
ELBOW PI BRAB	M1/2 X 5/8 OD	BEPI-1/2-5/8 45D
ELBOW PI BRAB	M1/2 X 5/8 OD	BEPI-1/2-S/8 90D
ELBOW PI BRAS	M1/2 X 12 OD	BEPI-1/2X12B
ELBOW PI BRAS	N1/4 X 1/2 OD	BEPI-1/4•1/2 45D
ELBOW PI BRAS	MI/4 X 1/2 OD	BEPI-1/4-1/2 90D
ELBOW PI BRAS	MI/4 X 1/4 OD	BEPI-1/4-1/4 45D
ELBOW PI BRAS	M1/4 X 1/4 OD	BEPI-1/4-1/4 90D
ELBOW PI BRAS	M1/4 X 3/8 OD	BEPI-1/4-3/8 45D
ELBOW PI BRAS	M1/4 X 3/8 OD	BEPI-1/4-3/8 90D
ELBOW PI BRAS	M3/8 X 1/2 OD	BEPI-3/8-1/2 45D
ELBOW PI BRAE	M3/8 X 1/2 OD	BEPI-3/8-1/2 90D
ELBOW PI BRAS	M3/8 X 1/4 OD	BEPI-3/8-1/4 45D
ELBOW PI BRAB	M3/8 X 1/4 OD	BEPI-3/8-1/4 90D
ELBOW PI BRAS	M3/8 X 3/8 OD	BEPI-3/8•3/8 45D
ELBOW PI BRAS	N3/8 X 3/8 OD	BEPI-3/8-3/8 90D



ELBOW STEEL SWIVEL



ELBOW STEEL SWIVEL

6SW X  
6 BSW  
X B

**12SW X 12**  
10XJ0

E6SW  
6  
E8SW  
8  
E12SW1  
2  
E10SW1  
0

## F & J COUPLINGS

Mounting BRACKET MALE

FEMALE

SHORT STEM VALVE

LONG STEM CHECK VALVE STRIKER PLUG

FEMALE COUPLING ASSEMBLY MALE COUPLING

ASSEMBLY DOWTY WASHER

DUST FLAPS FOR FEMALE

M  
B  
/  
F  
-  
&  
J  
M  
C  
1  
/  
2  
F  
C  
1  
/  
2  
S  
S  
S  
O  
V  
-  
t  
/  
2  
L  
S  
S  
O  
V  
-  
1  
/  
2  
S  
P  
1  
/  
2  
F  
C  
A

PR HYDRAULICS



-  
0  
0  
1  
M  
C  
A  
-  
0  
0  
1  
D  
W  
-  
1  
/  
2  
DF/F&J

PR HYDRAULICS



## HEX NIPPLES

HEX NIPPLES	1/2 X 1/2	HN-1/2-1/2
HEX NIPPLES	1/4 X 1/4	HN-1/4•1/4
HEX NIPPLES	⊗*	HN-3/8•3/8
HEX NIPPLES	M22 X M22	HN-22-22



## HOSE TAIL/ JOINER/TEE/PIPE STEM

HOSE TAIL	1/2 X 1/2	HA-0/2-1/2
HOSE TAIL	1/4 X 1/2	HA-1/4-1/2
HOSE TAIL	3/8 X 1/2	HA-3/8-1/2
HOSE TAIL	16 X 1/2	HA-16-1/2
HOSE TAIL	22 X 1/2	HA•22-1/2
HOSE JOINER	1/2 X 1/2	HJ-1/2 X 1/2
HOSE TEE	1/2 X 1/2 STEEL	HT-1/2•1/2
	12-1/2.	PS-12/1/2



## HOSE CLAMPS

HOSE CLAMP	1/5"	HC-1fl"
HOSE CLAMP HEAVY DUTY	1/2" 15MM	HC-1/2HD
HOSE CLAMP	6-22(GM6)	HC-6-22



## HYDRAULIC COUPLINGS

1/2" HYDRAULIC MALE BALL TYPE

1/2"DNP

HC5

1/2" HYDRAULIC FEMALE BALL TYPE

1/2"DNP

010-

04M-

HYD

HC5

050-

04F-

HYD

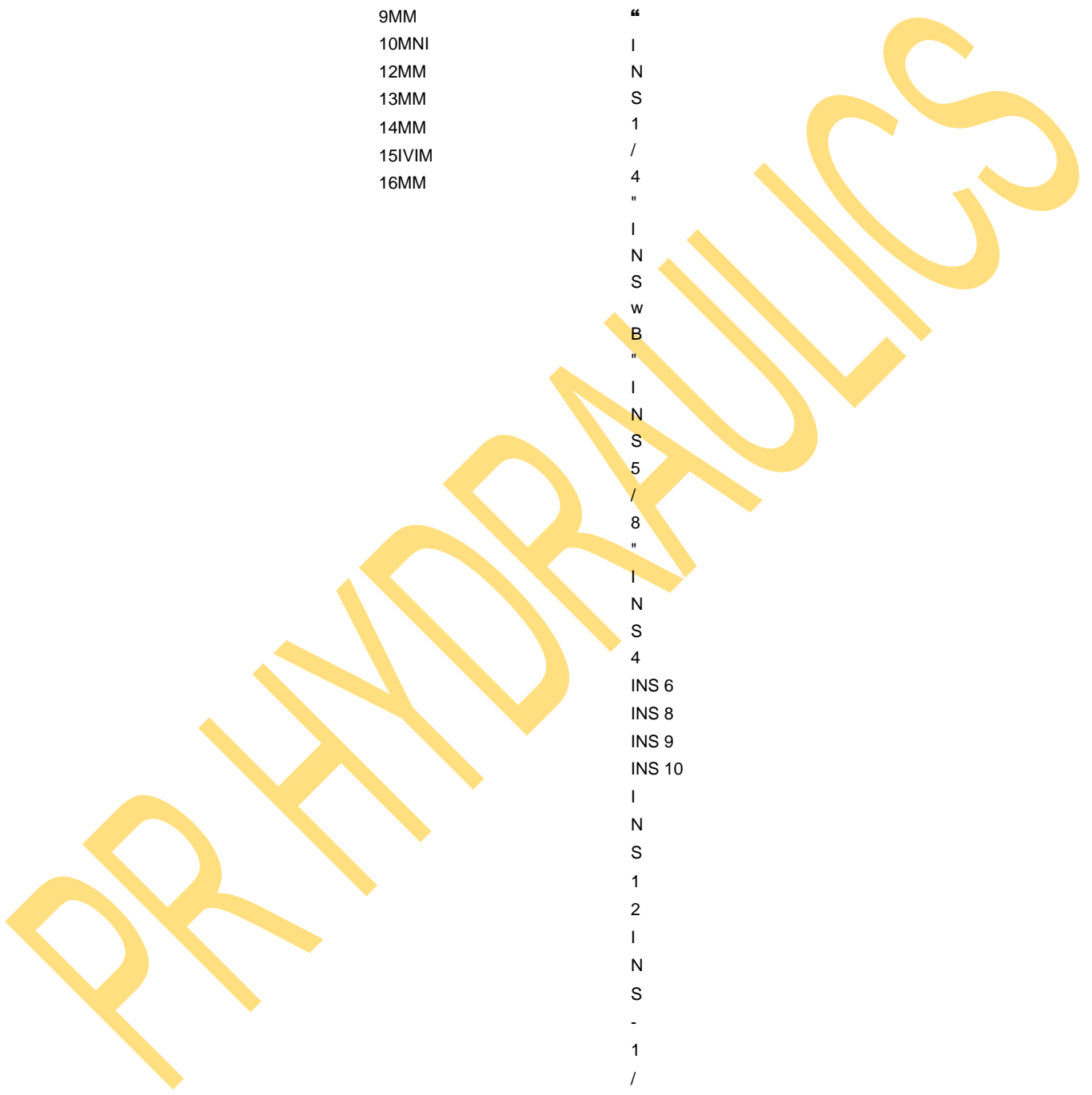


PR HYDRAULICS

INSERTS

1/2"OD  
14 "OD  
3/8 " OD  
5/8"OD  
4MM  
6MM  
8MM  
9MM  
10MM  
12MM  
13MM  
14MM  
15IVIM  
16MM

I  
N  
S  
1  
/  
2  
"  
I  
N  
S  
1  
/  
4  
"  
I  
N  
S  
w  
B  
"  
I  
N  
S  
5  
/  
8  
"  
I  
N  
S  
4  
INS 6  
INS 8  
INS 9  
INS 10  
I  
N  
S  
1  
2  
I  
N  
S  
-  
1  
/  
2  
I  
N  
S  
1  
4  
INS 15  
INS 16



## KOR-SWIVEL REDUCER

10SW-B PIPE OD REDUCER	KOR-10SW X 8
12SW -6 PIPE OD REDUCER	KOR-12SW X 6
12SW•8 PIPE OD REDUCER	KOR•12SW X 8
15SW X 12 PIPE OD REDUCER	KOR•15SW X 12



## LINE CONNECTOR BULKHEAD STEEL WITH PIPE NUT & CUTTING RING

LINECONNECTOR BULKHEAD 12•12	12MM•12MM	LCBH-12-12
------------------------------	-----------	------------



## LINE CONNECTOR STEEL

LINE CONNECTOR STEEL 04MM	4h\MM	LCS-4
LINE CONNECTOR STEEL 06MM	6MM	LCS-6
LINE CONNECTOR STEEL 08MM	8MM	LCS-B
LINE CONNECTOR STEEL 9MM	9MM	LCS-9
LINE CONNECTOR STEEL 10MM	10MM	LCS-10
LINE CONNECTOR STEEL 11MM	11MM	LCS-11
LINE CONNECTOR STEEL 12MM	12MM	LCS-12
LINE CONNECTOR STEEL 12MM	13MM	LCS-12
LINE CONNECTOR STEEL 14MM	14MM	LCS-14
LINE CONNECTOR STEEL 15MM	15MM	LCS-15
LINE CONNECTOR STEEL 16MM	16MM	LCS-16



## LINE CONNECTOR BRASS

LINE BRASS	1/2 "PIPEOD	LCB 1/2
LINE BRASS	1/4 "PIPE OD	LCB 1/4
LINE BRASS	3/8 "PIPEOD	LCB 3/8
LINE BRASS	5/8 "PIPE OD	LCB 5/8
LINE BRASS	3/4 X3/4	LCB-3/4-3/4



## LINE CONNECTOR PUSH IN PLASTIC

LINE PLASTIC PI	4MM	PLCPI4
LINE PLASTIC PI	SMM	PLCPI5
LINE PLASTIC PM	6MM	PLCPI6
LINE PLASTIC PV	7MM	PLCPI7
LINE PLASTIC PI	8MM	PLCPI8
LINE PLASTIC PI	9MM	PLCPI9
LINE PLASTIC PT	10MM	PLCPI10
LINE PLASTIC PT	11MM	PLCPI11
LINE PLASTIC PV	12MM	PLCPI12
LINE PLASTIC PT	13MM	PLCPI13
LINE PLASTIC PT	14Mk4	PLCPI14
LINE PLASTIC PT	15MM	PLCPI15
LINE PLASTIC PI	16MM	PLCPI16
LINE PLASTIC PI	1/2"	PLCPI-1/2
LINE PLASTIC PI	1/4"	PLCPI-1/4
LINE PLASTIC PM	1/8"	PLCPI-1/8
LINE PLASTIC PV	3/8"	PLCPI-3/8
LINE PLASTIC PI	3/16"	PLCPI-3/16
LINE PLASTIC PI	5/8"	PLCPI-5/8
LINE PLASTIC PT	5/16"	PLCPI-5/16
LINE PLASTIC PT	6-4	PLCPI 6-4
LINE PLASTIC PV	8-6	PLCPT8-6
LINE PLASTIC PT	10-8	PLCPI10-8
LINE PLASTIC PT	12-8	PLCPI12-8
LINE PLASTIC PT	12-10	PLCPI12-10



## LINECONNECTOR PUSH IN NICKEL

LINE STEEL PIS	4MM	NLCPI-4
----------------	-----	---------

LINE STEEL PIS	6MM	NLCPI-6
LINE STEEL PIS	8MM	NLCPI-8
LINE STEEL PIS	10MM	NLCPI-10
LINE STEEL PIS	12MM	NLCPI-12
LINE STEEL PIS	15UM	NLCPI-15
LINE STEEL PIS	1/8"	NLCPI-1/B
LINE STEEL PIS	3/8"	NLCPI-3/8
LINE STEEL PIS	1/4"	NLCPI-1/4
LINE STEEL PIS	5/8"	NLCPI-5/B
LINE STEEL PIS	1/2"	NLCPI-1/2



PR HYDRAULICS



## LOCK NUT

**M22**

LN-M22



## NYLON PIPE/TUBING

1/2" PER MET BLACK	NT1/2"
1/4" BLACK/ROLL	NT-1/4
1/8" PER MET BLACK	NT1/BNYL
3/4" 30MTR FIOLL	NT-3Y4
3/8" PER NIET BLACK	NTw8NYL
5/8 PER MET BLACK	NT-5/8
4MM LOOSE(20MTR)	NT-4
6MM BLACK LOOSE	NT-6M
6MM PER ROLL(3DM)	NT-6MM
8MM/ROLL BLACK	NT-8MM
8MM ROLL RED	NT-8MM 50 MTR
BMM ROLL	NT-8MM 50 MTR Y
9MN/ROLL BLACK	NT-9MM
10MM/ROLL	NT•10MM
11MN/ROLL	NT-11NM
12MM RED/ROLL	NT-12 NYL RED
12MM BLACK/ROLL	NT-12MM
t2MM YELLOW/ROLL	NT-12NYL
YELLOW 1:3MM/ROLL	NT-13MM
t4MM BLACK/FIOLL	NT-14MM
t5MM BLACK/ROLL	NT-15MM
t6MM /ROLL	NT-16MM
RED 8MhVROLL	NT-8 RED
YELLOW 8Mht/ROLL	NT-8 YEL
TUBE YELLOW LOOSE	NY Y



## NYLON PIPE CUTTING TOOL

PIPE CUTTER

PCT001



## PLUGS STEEL

PLUG STEEL	M12X1.5	<b>P-12</b>
PLUG STEEL	M14X1.5	P•14
PLUG STEEL	M16X1.5	P-16
PLUG STEEL	M18X1.5	P-18
PLUG STEEL	M22X1.5	P-22
PLUG STEEL	1/2"	P-1/2
PLUG STEEL	1/4"	P-1/4
PLUG STEEL	3/8"	P-3/8



## PIPE NUTS

M12-O.D PIPE	PN-12
M16-O. D PIPE	PN-16MM



## PUSH RODS

PUSH RODS

T24

Co<sup>+</sup>  
T24PR



## QUICK COUPLERS-"Y"

6MM	PLCPV-06
8MM	PLCPV-08
10MM	PLCPV-10
12MM	PLCPV-12
14MM	PLCPV-14
15MM	PLCPV-15
16MM	PLCPV-16
1/2"	PLGPY-1/2"
1/4"	PLCPY-1/4"
1/e"	PLCPY-1/B"
3/8"	PLCPY-w'8"



## REDUCERS

REDUCER	1/2"NPTM-1/4F	R1/2-1/4
<b>REDUCER</b>	1/2"NPT• 3/8	R1/2-3/8
<b>REDUCER</b>	1/2"MNPT•3/8F	R3/8-1/4
REDUCER	M16M-3/8F	R16-3/8
REDUCER	M16M X M12F	R16-12
REDUCER	M22M-1/4F <b>BSP</b>	R22-1/4
REDUCER	N22M-3/BF <b>BSP</b>	R22-3/8
REDUCER	M22-M16FEM	R•22-16
REDUCER	24M-1/2F	R24-1/2



## RUBBER HOSE

1/2" MULTIPURPOSE(AIR,OIL& FUEL)	1/2 - 12 OD	1/2" RUBBER L
3/8" MULTIPURPOSE(AIR,OIL & FUEL)	1/2 - 12 OD	3/8 RH



## SOCKETS

Male Size	Female Size	Code
SOCKET	22 X 22MM	SM22
SOCKET	1/2"NPT	S-1/2-1/2
SOCKET	1/4"NPT	S1/4
SOCKET	3/8"NPT	S-3/8-3/8

## SUZIS + BLACK MAMBA & ACCESSORIES

Female Size	Code
SUZI RED	R-SUZI
SUIZI YELLOW	Y-SUZI
BLACK MAMBA WITH STEEL FITTING	AC-0149
7 PIN FEMALE COUPLING	AT 7 PIN <b>FEMALE</b>
7 PIN MALE COUPLING	AT 7 PIN MALE



## TEES PUSH IN EQUAL PLASTIC

Male Size	Female Size	Code
TEES PUSH IN	1/2 OD	PTPI-1/2
TEES PUSH IN	1/4 OD	PTPI-1/4
TEES PUSH IN	3/8 OD	PTPI-3/8
TEES PUSH IN	4MM	PTPI4
TEES PUSH IN	6MM	PTPI6
TEEs PUs» IN	BHH	PTPI8
TEES PUSH IN	10MH	PTPI10
TEES PUSI•I IN	12MH	PTPI12
TEEs PUsH IN	14MM	PTPI14
TEES PUSH IN	15MH	PTPI15
TEES PUSH IN	16MH	PTPI16

Female Size Code



## TEE STEEL EQUAL

Male Size	Female Size	Code
TEE sTEEL EQU	6 X 6 X 6	T•G•6•G
TEE sTEEL EQU	8 X 8 X 8	T-8-8-B
TEE STEEL EQU	10 X 10 X 10	T-10•10•10
TEE STEEL EQU	12 X 12 X 12	T-12-12-12
TEE-12-M22-12	TEE-12-M22-12	TEE-12-M22-12



## TEE SWIVELS

Male Size	Female Size	Code
TEE sWIVEL ST	6•SW6• I	T6•SW6-6
TEE sWIVEL sT	T8•8SW-8	T8•8SW-B
TEE sWIVEL ST	12 X 12sW X 12	T-12-12I3W-12
TEE sWIVEL sT	T12SW-12-12	T12SW-12-12



\*OEM REFERENCES AND BRAND NAMES ARE USED FOR REFERENCE PURPOSE ONLY

THREAD TAPE

THREAD TAPE

T-TAPE

UNION PLASTIC PUSH IN

UNION PLASTIC PI	1/2 - 8 OD	PUPI•1/2-8
UNION PLASTIC PI	1/2 - 10 OD	PUPI•1/2-10
UNION PLASTIC PI	1/2 - 12 OD	PUPI•1/2-12
UNION PLASTIC PI	1/4 - 4 OD	PUPI•1/4 - 4
UNION PLASTIC PI	1/4 - 6 OD	PUPI•1/4-6
UNION PLASTIC PI	1/4 - 8 OD	PUPI•1/4-8
UNION PLASTIC PI	1/4 - 10 OD	PUPI•1/4-10
UNION PLASTIC PI	1/4 - 12 OD	PUPI•1/4-12
UNION PLASTIC PI	1/8 - 4 OD	PUPI•1/8-4
UNION PLASTIC PI	1/8 - 6 OD	PUPI•1/8-6
UNION PLASTIC PI	1/8 - 8 OD	PUPI•1/8-8
UNION PLASTIC PI	1/8 - 10 OD	PUPI•1/8-10
UNION PLASTIC PI	3/8 - 6 OD	PUPI•3/8-6
UNION PLASTIC PI	3/8 - 8 OD	PUPI•3/8-8
UNION PLASTIC PI	3/8 - 10 OD	PUPI•3/8-10
UNION PLASTIC PI	3/8 - 12 OD	PUPI•3/8-12
UNION PLASTIC PI	1Z X 6	PUPI•1 Z•6
UNION PLASTIC PI	12 X 8	PUPI•12•8
UNION PLASTIC PI	12 X 12	PUPI-12-12
UNION PLASTIC PI	14 X 8	PUPI-14-8
UNION PLASTIC PI	14 X 12	PUPI-14-12
UNION PLASTIC PI	16 X 6	PUPI-16-6
UNION PLASTIC PI	16 X 8	PUPI-16-8
UNION PLASTIC PI	16 X 10	PUPI•16•10
UNION PLASTIC PI	16 X 12	PUPI-16•12
UNION PLASTIC PI	22X 6	PUPI•22•6
<b>UNION PLASTIC PI</b>	22 X 8	PUPI-22•8
UNION PLASTIC PI	22 X 10	PUPI•12•1D
UNION PLASTIC PI	22 X 12	PUPI-22•12



UNION BRASS METRIC WB PUSH IN

6 - M 12X1.5	BUPI-12-6
8 - M 12X1.5	BUPI-12-B
1Z - M 1ZX1.5	BUPI-12-12
6-M 16 X 1.5	BUPI-16-6



8 - M 16X1.5 BUPI-16-B  
12 - M 16X1.5 BUPI-16-12  
8 - M 22X1.5 BUPI-22-B  
10 - M 22X1.5 BUPI-22-10  
12 - M 22X1.5 BUPI-22-12

\*OEM REFERENCE S AND BRAND NAMES ARE USED FOR REFERENCE PURPOSE ONLY

## UNION BRASS IMPERIAL PUSH IN AMERICAN VEHICLES

ELBOW EQUAL STEEL 6 - 6	1/2X1/2	BUPI1/2-1/2
ELBOW EQUAL STEEL B - 8	1/4 X 1/2	BUPI-1/4-1/2
ELBOW EQUAL STEEL 10 - 10	1/4 X 1/4	BUPI-1/4-1/4
ELBOW EQUAL STEEL 12 - 12	1/4 X 3/8	BUPI-1/4 -3/8
ELBOW EQUAL STEEL 12 - 12	1/8 - 1/4	BUPI-1/8-1/4
ELBOW EQUAL STEEL 12 - 12	3/8 X 1/2	BUPI-3/8-1/2
ELBOW EQUAL STEEL 12 • 12	3/8 X 1/4	BUPI-3/8•1/4
ELBOW EQUAL STEEL 12 - 12	3/8 X3/8	BUPI-3/8 -3/8



## UNION NICKEL PLATED PUSH IN

1/4 - 6 OD	NUPI 1/4-6
1/4 - 8 OD	NUPI 1/4-8
1/4 -10 OD	NUPI 1/4-10
1/4 - 12 OD	NUPI 1/4-12
1/8 - 6 OD	NUPI 1/8•6
1/8-8 OD	NUPI 1/8•8
3/8-12/OD	NUPI 3/8•12



## UNION STEEL WITH PIPE NUT /CUTTING RING

UNION STEEL	1/2-12	US1/2-12
UNION STEEL	1/4-6	US-1/4-6
UNION STEEL	1/4-8	US-1/4-B
UNION STEEL	1/4-12	US-1/4-12
UNION STEEL	3/8-12	US3/8-12
UNION STEEL	12•6	US-M12-6
UNION STEEL	12•8	US-Mt2-8
UNION STEEL	12•12	US-Mt2-12
UNION STEEL	1S•6	US-16-6
UNION STEEL	16•10	US-M16-10
UNION STEEL	16•12	US-M16-12
UNION STEEL	22-8	US-M22-8
UNION STEEL	22-10	US-M23-10
UNION STEEL	12-12	US-M22-12
UNION STEEL	22-15	US-M22-15
UNION STEEL	22-16	US-M22-16
UNION STEEL	22-6+ R22-16	BLD US-22-6



## UNION BRASS

UNION BRASS	1/2NPT X5/8	UB-1/2 '8
UNION BRASS	1/4NPT-3/8	UB-1/4•3/8
UNION BRASS	3/4-12OD	UB-3/4-12
UNION BRASS	3/8NPT-1/2	UB-3/8-1/2
UNION BRASS	3/8NPT-5/8	UB-3/8-5/8





## WASHER DOWTY TYPE

DOWTY WASHER 1/2"	<b>DW 1/2"</b>	DW-1/2
DOWTY WASHER M12	M12	DW-M12
DOWTY WASHER M14	M14	DW-M14
DOWTY WASHER 16MM	16MM	DW-16
ELBOW EQUAL STEEL 12 -	M22	DW-M22



## WING NUT

### **WING NUT**

M16X1.5- 7 HOSETAIL RL1111 AA

# IMPERIAL FITTINGS

## BRASS ELBOWS 45°/90°

- BEPI-1/2•5/8 4S° BEPI-1/2-5/B 90°
- BE-1/2-5/8 90°
- BEPI-1/2•1/2 45° BEPI-1/4-1/2 4S° BEPI-1/4-1/4 45°
- BEPI-1/4-3/B 45°
- BEPI-3/B•1/2 45° BEPI-3/B•1/4 4S° BEPI-3/8-3/8 45°
- BEPI-1/2-1/2 90°
- BEPI-1/4-1/2 90°
- BEPI-1/4•1/4 90°
- BEPI-1/4-3/B 90°
- BEPI-3/8-1/2 90°
- BEPI-3/B•1/4 90°
- BEPI-3/8•3/8 90°

E  
L  
B  
O  
W  
B  
R  
A  
S  
S  
P  
U  
S  
H  
I  
N  
1  
/  
2  
-  
5  
/  
8  
4  
5  
D  
E  
L  
B  
O  
W  
B  
R  
A  
S  
S  
P  
U  
S  
H  
I  
X  
1  
/  
2  
-  
5  
/  
8  
9  
0  
D  
E  
L  
B  
O  
W  
B  
R  
A  
S  
S  
1  
/  
2  
-  
5  
/  
8  
P  
U  
S  
H  
I  
N



E  
L  
B  
O  
W  
E  
S  
T  
1  
/  
2  
·  
1  
/  
2  
+  
8  
U  
P  
I  
1  
/  
2  
·  
1  
/  
2  
E  
L  
B  
O  
W  
E  
S  
T  
1  
/  
4  
-  
1  
/  
4  
+  
B  
U  
P  
J  
1  
/  
4  
·  
1  
/  
2  
E  
L  
B  
O  
W  
E  
S  
T  
1  
/  
4  
-  
1  
/  
4  
+  
B  
U  
P  
J  
1  
/  
4  
-  
1  
/  
4  
E  
L

B  
O  
W  
E  
S  
T  
1  
/  
4  
-  
1  
/  
4  
+  
B  
U  
P  
I  
1  
/  
4  
-  
3  
/  
8  
E  
L  
B  
O  
W  
E  
S  
T  
3  
/  
8  
-  
3  
/  
8  
+  
B  
U  
P  
I  
3  
/  
8  
·  
1  
/  
2  
E  
L  
B  
O  
W  
E  
S  
T  
3  
/  
8  
-  
3  
/  
8  
+  
B  
U  
P  
I  
3  
/  
B  
·  
1  
/  
4  
E  
L  
B  
O

WEST 3 / B - 3 / 8 + BUP I 3 / 8 - 3 / BELBOWEST 1 / 2 - 1 / 2 + BUP I 1 / 2 - 1 / 2 BELBOWEST 1 / 4 - 1 / 4 + BUP I 1 / 4 • 1 / 2 BELBOWE

ST 1 / 4 - 1 / 4 + BUP I 1 / 4 • 1 / 4 BELBOWEST 1 / 4 - 1 / 4 + BUP I 1 / 4 - 3 / BELBOWEST 3 / 8 - 3 / 8 + BUP I 3 / 8 - 1 / 2 BELBOWEST

3  
/  
8  
-  
3  
/  
8  
+  
B  
U  
P  
|  
3  
/  
8  
•  
1  
/  
4  
E  
L  
B  
O

W  
E  
S  
T  
3  
/  
8  
•  
3  
/  
8  
+  
B  
U  
P  
|  
3  
/  
B  
-  
3  
/  
8

### COPPER WASHERS

CW•12 CW-14 CW•16 **CW-22** CW•26

### DRAIN VALVES

DV-1/2 DV-12105

C  
O  
P  
P  
E  
R  
W  
A  
S  
H  
E  
R  
1  
2  
M  
M  
C  
O  
P  
P  
E  
R  
W  
A  
S  
H  
E  
R  
1  
4  
M  
t  
r  
I  
C  
O  
P  
P  
E  
R  
W  
A  
S  
H  
E  
R  
1

6 M M C O P P E R W A B H E R R 2 2 M M C O P P E R W A S H E R R 2 6 M M

R A I N V A L V E M A N U A L 1 / 2 " D R A I N V A L V E W I T H C A B L E 1 / 4 "

D

### ELBOW PUSH IN IMPERIAL

PEPI-1/2NPT-1/2 PEPI1/4NPT•1/2 PEPI-1/4NPT-1/4 PEPI-1/4NPT-3/8 PEPI-1/8NPT-1/4 PEPI-3/BNPT-1/2 PEPI-3/BNPT-1/4 PEPI-3/8NPT-3/8

E L B O W P U B H I H 1 / 2 • 1 / 2 E L B O W P U S H I N 1 /



4  
- 1 / 2 ELBOW PUSH IN 1 / 4  
- 1 / 4 ELBOW PUSH IN 1 / 4  
• 3 / 8 ELBOW PUSH IN 1 / 8  
• 1 / 4 ELBOW PUSH IN 3 / 8  
• 1 / 2 ELBOW

PUSH IN 3 / 8  
- 1 / 4 ELBOW PUSH IN 3 / 8  
• 3 / 8

ELBOW STREET MALE/FEMALE 45°

EST•1/2-1/2 (45°)  
EBT•1/4-1/4 (45°)  
EST-3/B-3/8 (45°)



E  
L  
B  
O  
W  
S  
T  
R  
E  
E  
T  
1  
/  
2  
•  
1  
/  
2  
E  
L  
B  
O  
W  
S  
T  
R  
E  
E  
T  
1  
/  
4  
•  
1  
/  
4  
E  
L  
B  
O  
W  
S  
T  
R  
E  
E  
T  
3  
/  
8  
-  
3  
/  
B

ELBOW STREET MALE/FEMALE 90°

EST-1/2-1/2 (90°)  
EST•1/4-1/4 (90°) EST-1/8-1/8(90°) EST•3/B-3/8 (90°)  
EST-22-22 (90°)

E  
L  
B  
O  
W  
S  
T  
R  
E  
E  
T  
1  
/  
2  
-  
1  
/  
1



2  
E  
L  
B  
O  
W  
S  
T  
R  
E  
E  
T  
1  
/  
4  
•  
1  
/  
4  
E  
L  
B  
O  
W  
S  
T  
R  
E  
E

**ELBOW STEEL WITH NUT AND CUTTING RING**

ES-1/2 - 12 ES-3/8NPT-12 ES-1/4 • 12

**HEX NIPPLE**

HN-1/2-1/2 HN-1/4-1/4 HN-3/8-3/8

E  
T  
1  
/  
8  
•  
1  
/  
8  
E  
L  
B  
O  
W  
S  
T  
R  
E  
E  
T  
3  
/  
8  
•  
3  
/  
B  
E  
L  
B  
O  
W  
S  
T  
R  
E  
E  
T  
(  
S  
T  
E  
E  
L  
)  
N  
2  
M  
-  
M  
2  
2  
F



E  
L  
B  
O  
W  
S  
T  
E  
E  
L  
1  
/  
2  
-  
1  
2  
E  
L  
B  
O  
W  
S  
T  
E  
E  
L  
3  
/  
8  
-  
1  
2  
E  
L  
B  
O  
W  
S  
T  
E  
E  
L  
1  
/  
4  
•

1  
2

H  
E  
X  
N  
I  
P  
P  
L  
E  
1  
/  
2  
-  
1  
/  
2  
H  
E  
X

N  
I  
P  
P  
L  
E  
1  
/  
4  
-  
1  
/  
4  
H  
E  
X  
N  
I  
P  
P  
L  
E  
3  
/  
B  
-  
3  
/  
8

### HOSE ADAPTORS/HOSE TEE/JOINERS/PIPE STEM

HA-1/2-1/2 HA-1/4•1/2 HA-3/4 20B HA-3/8-1/2 HA-J6-1/2  
HA-22-1/2  
HT-1/2-1/2-1/2 HJ 1/2X1/2  
PS-12/1/z

H  
O  
S  
E  
A  
D  
A  
P  
T  
O  
R  
H  
O  
S  
E  
A  
D  
A  
P  
T  
O  
R  
H  
O  
S  
E  
A  
D  
A  
P  
T  
O  
R  
H  
O  
S  
E  
A  
D  
A  
P  
T  
O  
R  
H  
O  
S  
E  
A  
D  
A  
P  
T  
O  
R



H  
O  
S  
E  
A  
D  
A  
P  
T  
O  
R  
H  
O  
S  
E  
A  
D  
A  
P  
T  
O  
R  
H  
O

HYDRAULIC COUPLING  
HC 5010-D4M-HYD HC5B50-04F-HYD

S  
E  
T  
T  
E  
H  
O  
S  
E  
J  
O  
I  
N  
E  
R  
P  
I  
P  
E  
S  
Y  
E  
M

H  
Y  
D  
R  
A  
U  
L  
I  
C  
B  
A  
L  
L  
T  
Y  
P  
E  
1  
/  
2  
" M  
A  
L  
E  
H  
Y  
D  
R  
A  
U  
L  
I  
C  
B  
A  
L  
L  
T  
Y  
P  
E  
1  
/  
2  
" F  
E  
M



A  
L  
E

## INSERTS

INS-1/2 INS-1/4 INS-3/8 fNS-5/8



I  
N  
S  
E  
R  
T  
I  
N  
S  
E  
R  
T  
I  
N  
S  
E  
R  
T  
I  
N  
S  
E  
R  
T  
I  
N  
S  
E  
R  
T

## LINE CONNECTOR WITH PIPE NUT AND FERRULES

LCB-1/2" LCB-1/4" LCB-3/4" LCB-3/8" LCB-5/8"



L  
I  
N  
E  
C  
O  
N  
N  
E  
C  
T  
O  
R  
B  
R  
A  
S  
S  
L  
I  
N  
E  
C  
O  
N  
N  
E  
C  
T  
O  
R  
B  
R  
A  
S  
S  
L  
I  
N  
E  
C  
O  
N  
N  
E  
C  
T  
O

R  
B  
R  
A  
S  
S  
L  
I  
N  
E  
C  
O  
N  
N  
E  
C  
T  
O  
R  
B  
R  
A  
S  
S

LINE CONNECTOR NICKEL PLATED  
NLCPI-1/2 NLCPI-1/4 NLCPI-1/8 NLCPI-3/8 NLCPI-5/8

A  
S  
S  
L  
I  
N  
E  
C  
O  
N  
N  
E  
C  
T  
O  
R  
B  
R  
A  
S  
S

N  
L  
C  
P  
I  
-  
1  
/  
2  
N  
L  
C  
P  
I  
-  
1  
/  
4  
N  
L  
C  
P  
I  
-  
1  
/  
8  
N  
L  
C  
P  
I  
-  
3  
/  
8  
N  
L  
C  
P  
I  
-  
5  
/  
8



LINE CONNECTOR PUSH IN PLASTIC  
PLCPI-1/2 PLCPI-1/4 PLCPI-1/8 PLCPI-3/8 PLCPI-5/8

PLCPI-5/8 PLCPI-5/16





P  
U  
S  
H  
I  
N  
S  
I  
L  
V  
E  
R  
1  
/  
4  
X  
1  
/  
4  
X  
1  
/  
4  
T  
E

E  
P  
U  
S  
H  
I  
N  
S  
I  
L  
V  
E  
R  
3  
/  
8  
X  
3  
/  
8  
X  
3  
/  
8

### TEE BLOCK FEMALE PORTS

TB-1/2-1/2-1/2 F TB-1/4-1/4-1/4 F TB-3/8-3/8-3/8 F

T  
E  
E  
B  
L  
O  
C  
K  
1  
/  
2  
•  
1  
/  
2  
-  
1  
/  
2  
T  
E  
E  
B  
L  
O  
C  
K  
1  
/  
4  
-  
1  
/  
4  
-  
1  
/  
4  
T  
E  
E  
B  
L  
O  
C  
K  
3  
/  
8  
-





3  
/  
8  
-  
3  
/  
8

TEE PUSH IN EQUAL PLASTIC

**PTPI-t/2 PTPI-1/4 PTPI-3/8**



T  
E  
E  
P  
U  
S  
H  
I  
N  
1  
/  
2  
O  
D  
T  
E  
E  
P  
U  
S  
H  
I  
N  
1  
/  
4  
O  
D  
T  
E  
E  
P  
U  
S  
H  
I  
N  
3  
/  
8  
O  
D

UNION BRASS WITH PIPE NUT AND FERRULES

**UB-1/2-3/4 UB-t/2-5/8 UB-1/4-3/8 UB-3/4-1/2 UB-3/B-1/2  
UB-3/8-5/8**



U  
N  
I  
O  
N  
B  
R  
A  
S  
S  
1  
/  
2  
N  
P  
T  
X  
3  
/  
4  
U  
N  
I  
O  
N  
B

R  
A  
S  
S  
1  
/  
2  
N  
P  
T  
X  
5  
/  
8  
U  
N  
I  
O  
N  
B  
R  
A  
S  
S  
1  
/  
4  
N  
P  
T  
-  
3  
/  
8  
U  
N  
I  
O  
N  
B  
R  
A  
S  
S  
3  
/  
4

N  
P  
T  
-  
1  
/  
2  
U  
N  
I  
O  
N  
B  
R  
A  
S  
S  
3  
/  
8  
N  
P  
T  
-  
1  
/  
2  
U  
N  
I  
O  
N  
B  
R  
A  
S  
S  
3  
/  
8  
N  
P  
T  
X  
5  
/  
8

### UNION BRASS PUSHIN

- BUPI-1/2-1/2
- BUPI-1/4-1/2 BUPI-1/4-1/4 BUPI-1/4 -3/8 BUPI-1/8-1/4**
- BUPI-3/0-1/2**
- BUPI-3/8-1/4**
- BUPI-3/8 -3/8**

U  
N  
I  
O  
N  
B  
R  
A  
S  
S  
P  
U  
S  
H  
I  
N  
U  
N  
I  
O  
N  
B  
R  
A  
S  
S  
P  
U





# RAUFOSS FITTINGS

## BULKHEAD

RBHA-M22MXM16F      XF900171      RAUFOSS BULKHEAD ADAPTOR  
M22 MALE/ M16 FEMALE

THE ABOVE BULKHEAD IS ALSO AVAILABLE AS:-

RBHA-1/2BHX81

XF900171



RAUFOSS END W/ 8MM CUTTING RING/FERRUL

## ELBOWS

RECI - M6	9030B005	PLASTIC CLICK IN ELBOW PIECE • M6
RECI • M8	gg30goos	PLASTIC CLICK IN ELBOW PIECE • M8
RECI • M12	g0312205	PLASTIC CLICK IN ELBOW PIECE • M12
RECI-15	90312205	PLASTIC CLICK IN ELBOW PIECE - M15 (THIS ELBOW USES RBSP1-M22-93160022•R38)



ALSO AVAILABLE IN COMPLETE BRASS WB FITTINGS:

BEPI-16-8 BEPI-12-8 BEPI-M22-8 BEPI-M16-12 BEPI-M22-12

B  
R  
A  
S  
S  
E  
L  
B  
O  
W  
P  
U  
S  
H  
I  
N  
-  
1  
6  
-  
9  
B  
R  
A  
S  
S  
E  
L  
B  
O  
W  
P  
U  
B  
H  
I  
N



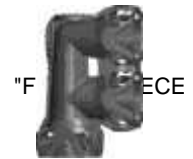
- 1  
2  
- 8  
B  
R  
A  
S  
S  
E  
L  
B  
O  
W  
P  
U  
S  
H  
I  
N  
- 2  
2  
- 8  
B  
R  
A  
S  
S  
E  
L  
B  
O

W  
P  
U  
S  
H  
I  
N  
- 1  
6  
- 1  
2  
B  
R  
A  
S  
S  
E  
L  
B  
O  
W  
P  
U  
S  
H  
I  
N  
- 2  
2  
- 1  
2

### "F" PIECES

RFB-90250015

90250015



### RELEASE TOOLS(PLASTIC)

PRT-12

PLASTIC RELEASE TOOL 12



### RELEASE TOOLS(STEEL)

SRL-6MM	96606020	RAUFOSS STEEL RELEASE TOOL 6MM
SRL-8MM	95608020	RAUFOSS STEEL RELEASE TOOL 8MM
SRL-10MM	96610020	RAUFOSS STEEL RELEASE TOOL 10MM
SRL-12MM	96612020	RAUFOSS STEEL RELEASE TOOL 12MM
SRL-15MM	g66j 5020	RAUFOSS STEEL RELEASE TOOL 15MM



## STUDS

RBSPI-M12-CF12"1.5-17R g3 sool2 BRASS STUD PUSH IN M12  
 BSPI-M16-CF16"1.5-17R g3 soos BRASS STUD PUSH IN M16 BSPI-  
 M22-CF22"1.5-17R 93150022 BRASS STUD PUSH IN M22  
 BSPI-M22-93160012 93160022 BRASS STUD M22(FITS RECI-15)



## "Y" PIECES

RTB 9zosooio "T" BANK PIECE

THE ABOVE "Y" IS ALSO AVAILABLE WITH PIPE NUT 8 CUTTING RING COMPLETE  
 T-B- M22-12 TEE M80-M22-120  
 TEE M12B -M22 -120



## TEST POINT

RTP-001 96050000

RAUFOSS TEST POINT



## STRAIGHT BANK PIECE

RSB-961502D5 96150205  
 ALSO AVAILABLE IN COMPLETE WB FITTING

STRAIGHT BANK PIECE

## UNIONS

RUCI-M6•gO206005	90z06005	PLASTIC CLICK IN UNION PIECE • M6
RUCI-M8•90208D05	90208005	PLASTIC CLICK IN UNION PIECE • M8
RUCI-M10-9021D005	90210005	PLASTIC CLICK IN UNION PIECE - M10
RUCI-M12-90212005	go 1e0os	PLASTIC CLICK IN UNION PIECE - M12
RUCI-M15-90215005	g0zJ5005	PLASTIC CLICK IN UNION PIECE • M15
BUPI-M12-B	90108012	BRASS UNION PUSH IN
BUPI-M12-12	90112012	BRASS UNION PUSH IN
BUPI-M16-8	90108016	BRASS UNION PUSH IN
BUPI-M16•12	90112016	BRASS UNION PUSH IH
BUPI-M22-B	90108022	BRASS UNION PUSH IN
BUPI-M22-12	90112022	BRASS UNION PUSH IN



NB- PRICES ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE