

# Weight and Packaging

## CARTONS:

P = Plastic Bag      EX = Export Carton      2590 = 2.5" Carton      3090 = 3" Carton      4090 = 4" Carton      6090 = 6" Carton

*Allow 1 kg for each carton and 15 kg for each pallet.*

*All weight measurements are in kilograms.*

## 45 DEGREE BENDS – UNI

Diameter (mm) >>	19.1	25.4	31.8	38.1	50.8	63.5	76.2	101.6	127.0	152.4
Diameter (inches) >>	$\frac{3}{4}$	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$	2	2 $\frac{1}{2}$	3	4	5	6
WEIGHT	0.06	0.08	0.12	0.12	0.23	0.32	0.43	0.66	1.12	2.00
PACK SIZE	20/200	20/200	10/100	10/100	60	32	20	18	4	3
PACK TYPE	P/EX	P/EX	P/EX	P/EX	EX	EX	EX	4090	EX	3090
SHRINK WRAP	N	N	N	N	Y	Y	Y	Y	Y	N

# Weight and Packaging

## 45 DEGREE BENDS – 2KS

<b>Diameter (mm) &gt;&gt;</b>	<b>25.4</b>	<b>38.1</b>	<b>50.8</b>	<b>63.5</b>	<b>76.2</b>	<b>101.6</b>
<b>Diameter (inches) &gt;&gt;</b>	<b>1</b>	<b>1 ½</b>	<b>2</b>	<b>2 ½</b>	<b>3</b>	<b>4</b>
<b>WEIGHT</b>	0.05	0.11	0.24	0.38	0.54	1.12
<b>PACK SIZE</b>	10 (bag)	10 (bag)	60	25	18	10
<b>PACK TYPE</b>	EX	EX	EX	EX	EX	4090
<b>SHRINK WRAP</b>	-	-	-	-	-	-

## 45 DEGREE BENDS – ZETAN/2WK

<b>Diameter (mm) &gt;&gt;</b>	<b>25.4</b>	<b>38.1</b>	<b>50.8</b>	<b>63.5</b>	<b>76.2</b>	<b>101.6</b>
<b>Diameter (inches) &gt;&gt;</b>	<b>1</b>	<b>1 ½</b>	<b>2</b>	<b>2 ½</b>	<b>3</b>	<b>4</b>
<b>WEIGHT</b>	0.04	0.08	0.13	0.18	0.25	0.57
<b>PACK SIZE</b>	10 (bag)	10 (bag)	120	50	35	30
<b>PACK TYPE</b>	EX	EX	EX	EX	EX	4090
<b>SHRINK WRAP</b>	-	-	-	-	-	-

# Weight and Packaging

## 90 DEGREE BENDS – UNI

Diameter (mm) >>		12.7	15.8	19.1	25.4	31.8	38.1	50.8	63.5	76.2	101.6	127.0	152.4
Diameter (inches) >>		½	⅝	¾	1	1¼	1½	2	2½	3	4	5	6
WEIGHT	WT 2.0mm										1.41	2.30	3.20
	WT 1.6mm	0.04	0.05	0.07	0.11	0.15	0.21	0.34	0.48	0.66	1.12	1.85	
PACK SIZE		10	10	20/200	20/200	10/100	80	35	16	10	10	2	2
PACK TYPE		P/EX	P/EX	P/EX	P/EX	P/EX	EX	EX	EX	EX	4090	EX	6090
SHRINK WRAP		N	N	N	N	N	Y	Y	Y	Y	Y	Y	N

## 90 DEGREE BENDS – NZ

Diameter (mm) >>		31.8	38.1	44.5	50.8	63.5	76.2
Diameter (inches) >>		1¼	1½	1¾	2	2½	3
WEIGHT	WT 1.6mm	0.18	0.27	0.32	0.43	0.60	0.84
	WT 1.2mm	0.13	0.21		0.32		
PACK SIZE		100	60	36	25	20	10
PACK TYPE		EX	3090	EX	3090	2590	3090
SHRINK WRAP		N	Y	Y	Y	Y	Y

# Weight and Packaging

## 90 DEGREE BENDS – ZETAN

Diameter (mm) >>		25.4	31.8	38.1	50.8	63.5	76.2	101.6
Diameter (inches) >>		1	1 ¼	1 ½	2	2 ½	3	4
WEIGHT	WT 2.0mm					0.44	0.61	1.0
	WT 1.6mm	0.05	0.12	0.13	0.23	0.36	0.55	0.89
PACK SIZE		20/200	10/100	10/100	50	20	15	10
PACK TYPE		P/EX	P/EX	P/EX	EX	EX	EX	4090
SHRINK WRAP		N	N	N	Y	Y	Y	Y

## 90 DEGREE BENDS – LONG LEG

Diameter (mm) >>		25.4	31.8	38.1	50.8	63.5	76.2	101.6
Diameter (inches) >>		1	1 ¼	1 ½	2	2 ½	3	4
WEIGHT	WT 1.6mm						1.24	1.81
	WT 1.2mm	0.10	0.16	0.24	0.41	0.63		
PACK SIZE		10	90	40	20	12	5	5
PACK TYPE		P	3090	3090	3090	2590	EX	4090
SHRINK WRAP		N	Y	Y	Y	Y	Y	Y

# Weight and Packaging

## 90 DEGREE BENDS – 2S

Diameter (mm) >>	25.4	38.1	50.8	63.5	76.2	101.6
Diameter (inches) >>	1	1 ½	2	2 ½	3	4
<b>WEIGHT</b>	0.09	0.17	0.34	0.53	0.76	1.67
<b>PACK SIZE</b>	10 (bag)	100	35	15	10	8
<b>PACK TYPE</b>	EX	EX	EX	EX	EX	4090
<b>SHRINK WRAP</b>	-	-	-	-	-	-

## 90 DEGREE BENDS – 2CMP/CLAMP END

Diameter (mm) >>	25.4	38.1	50.8	63.5	76.2	101.6
Diameter (inches) >>	1	1 ½	2	2 ½	3	4
<b>WEIGHT</b>	0.17	0.21	0.35	0.55	0.74	1.51
<b>PACK SIZE</b>	5 (bag)	80	25	18	10	10
<b>PACK TYPE</b>	EX	EX	EX	EX	EX	4090
<b>SHRINK WRAP</b>	-	-	-	-	-	-

## Weight and Packaging

### 180 DEGREE BENDS – UNI

<b>Diameter (mm) &gt;&gt;</b>	<b>25.4</b>	<b>31.8</b>	<b>38.1</b>	<b>50.8</b>	<b>63.5</b>	<b>76.2</b>	<b>101.6</b>
<b>Diameter (inches) &gt;&gt;</b>	<b>1</b>	<b>1 ¼</b>	<b>1 ½</b>	<b>2</b>	<b>2 ½</b>	<b>3</b>	<b>4</b>
<b>WEIGHT</b>	0.16	1.23	0.32	0.55	0.81	1.14	2.00
<b>PACK SIZE</b>	10	10	40	18	8	8	4
<b>PACK TYPE</b>	P/EX	P/EX	EX	EX	EX	4090	4090
<b>SHRINK WRAP</b>	N	N	Y	Y	Y	Y	N

### 180 DEGREE BENDS – NZ

<b>Diameter (mm) &gt;&gt;</b>	<b>25.4</b>	<b>31.8</b>	<b>38.1</b>	<b>50.8</b>	<b>63.5</b>	<b>76.2</b>
<b>Diameter (inches) &gt;&gt;</b>	<b>1</b>	<b>1 ¼</b>	<b>1 ½</b>	<b>2</b>	<b>2 ½</b>	<b>3</b>
<b>WEIGHT</b>	0.16	0.28	0.43	0.70	1.02	1.46
<b>PACK SIZE</b>	10/100	50	30	12	6	4
<b>PACK TYPE</b>	P/EX	EX	EX	EX	EX	EX
<b>SHRINK WRAP</b>	N	N	Y	Y	Y	Y

## Weight and Packaging

### TEES – EQUAL

<b>Diameter (mm) &gt;&gt;</b>	<b>12.7</b>	<b>19.1</b>	<b>25.4</b>	<b>31.8</b>	<b>38.1</b>	<b>50.8</b>	<b>63.5</b>	<b>76.2</b>	<b>101.6</b>
<b>Diameter (inches) &gt;&gt;</b>	<b>½</b>	<b>¾</b>	<b>1</b>	<b>1 ¼</b>	<b>1 ½</b>	<b>2</b>	<b>2 ½</b>	<b>3</b>	<b>4</b>
<b>WEIGHT</b>	0.025		0.09	0.15	0.21	0.38	0.69	0.89	1.63
<b>PACK SIZE</b>	10 (Bag)	10 (Bag)	10 (Bag)	10 (Bag)	80	32	12	8	6
<b>PACK TYPE</b>	EX	EX	EX	EX	EX	EX	EX	EX	4090
<b>SHRINK WRAP</b>	N	N	N	N	Y	Y	Y	Y	Y

### TEES – PULLED

<b>Diameter (mm) &gt;&gt;</b>	<b>12.7</b>	<b>19.1</b>	<b>25.4</b>	<b>31.8</b>	<b>38.1</b>	<b>50.8</b>	<b>63.5</b>	<b>76.2</b>	<b>101.6</b>
<b>Diameter (inches) &gt;&gt;</b>	<b>½</b>	<b>¾</b>	<b>1</b>	<b>1 ¼</b>	<b>1 ½</b>	<b>2</b>	<b>2 ½</b>	<b>3</b>	<b>4</b>
<b>WEIGHT</b>	0.02	0.04	0.08	0.11	0.17	0.29	0.52	0.68	1.19
<b>PACK SIZE</b>	10 (Bag)	10 (Bag)	10 (Bag)	10 (Bag)	120	50	20	14	12
<b>PACK TYPE</b>	EX	EX	EX	EX	EX	EX	EX	EX	4090
<b>SHRINK WRAP</b>	N	N	N	N	Y	Y	Y	Y	Y

## Weight and Packaging

### TEES – SHORT

<b>Diameter (mm) &gt;&gt;</b>	<b>25.4</b>	<b>38.1</b>	<b>50.8</b>	<b>63.5</b>	<b>76.2</b>	<b>101.6</b>
<b>Diameter (inches) &gt;&gt;</b>	<b>1</b>	<b>1 ½</b>	<b>2</b>	<b>2 ½</b>	<b>3</b>	<b>4</b>
<b>WEIGHT</b>	0.06	0.14	0.24	0.33	0.45	0.97
<b>PACK SIZE</b>	10 (bag)	5 (bag)	50	40	20	15
<b>PACK TYPE</b>	EX	EX	EX	EX	EX	4090
<b>SHRINK WRAP</b>	-	-	-	-	-	-

### TEES – LONG

<b>Diameter (mm) &gt;&gt;</b>	<b>25.4</b>	<b>38.1</b>	<b>50.8</b>	<b>63.5</b>	<b>76.2</b>	<b>101.6</b>
<b>Diameter (inches) &gt;&gt;</b>	<b>1</b>	<b>1 ½</b>	<b>2</b>	<b>2 ½</b>	<b>3</b>	<b>4</b>
<b>WEIGHT</b>	0.13	0.22	0.39	0.49	0.59	1.17
<b>PACK SIZE</b>	10 (Bag)	80	32	20	15	12
<b>PACK TYPE</b>	EX	EX	EX	EX	EX	4090
<b>SHRINK WRAP</b>	-	-	-	-	-	-

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## REDUCERS – CONCENTRIC

<b>Diameter (mm) &gt;&gt;</b>	31.8 – 25.4	38.1 – 25.4	38.1 – 31.8	50.8 – 25.4	50.8 – 38.1	63.5 – 38.1	63.5 – 50.8	76.2 – 38.1	76.2 – 50.8	76.2 – 63.5	101.6 – 38.1	101.6 – 50.8	101.6 – 63.5	101.6 – 76.2	127.0 – 101.6	152.5 – 76.2	152.4 – 101.6
<b>Diameter (inch) &gt;&gt;</b>	1 ¼ – 1	1 ½ – 1	1 ½ – 1 ¼	2 – 1	2 – 1 ½	2 ½ – 1 ½	2 ½ – 2	3 – 1 ½	3 – 2	3 – 2 ½	4 – 1 ½	4 – 2	4 – 2 ½	4 – 3	5 – 4	6 – 3	6 – 4
<b>WEIGHT</b>	0.035	0.045	0.055	0.085	0.080	0.130	0.130	0.190	0.180	0.190	0.300	0.325	0.320	0.325	0.585	0.785	0.980
<b>PACK SIZE</b>	5	5	5	5	5	5	5	5	5	5	5	5	5	5	2	2	2
<b>PACK TYPE</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>SHRINK WRAP</b>	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

## REDUCERS – ECCENTRIC

<b>Diameter (mm) &gt;&gt;</b>	38.1 – 25.4	50.8 – 25.4	50.8 – 38.1	63.5 – 38.1	63.5 – 50.8	76.2 – 38.1	76.2 – 50.8	76.2 – 63.5	101.6 – 38.1	101.6 – 50.8	101.6 – 63.5	101.6 – 76.2	127.0 – 101.6	152.5 – 76.2	152.4 – 101.6
<b>Diameter (inch) &gt;&gt;</b>	1 ½ – 1	2 – 1	2 – 1 ½	2 ½ – 1 ½	2 ½ – 2	3 – 1 ½	3 – 2	3 – 2 ½	4 – 1 ½	4 – 2	4 – 2 ½	4 – 3	5 – 4	6 – 3	6 – 4
<b>WEIGHT</b>	0.045	0.085	0.080	0.130	0.130	0.190	0.180	0.190	0.300	0.325	0.320	0.325	0.585	0.785	0.980
<b>PACK SIZE</b>	5	5	5	5	5	5	5	5	5	5	5	5	2	2	2
<b>PACK TYPE</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>SHRINK WRAP</b>	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y