



**BELTING**



## **IDLERS & ROLLERS**

### **Technical Guide**

#### BRANCHES

East London Tel:+27 43 722 6616 Fax:+27 43 722 5626 • Port Elizabeth Tel:+27 41 406 0550 Fax:+27 41 406 0559  
Johannesburg Tel:+27 11 620 1888 Fax:+27 11 620 1675 • Mpumalanga Tel:+27 13 752 7911 Fax:+27 13 752 7888  
Cape Town Tel:+27 21 508 1600 Fax:+27 21 508 1699 • Richards Bay Tel:+27 35 789 7123 Fax:+27 35 789 8491  
Durban Tel:+27 31 582 9200 Fax:+27 31 579 2112

A DIVISION OF THE BEARING MAN GROUP

SANS ISO 9001:2008



BMG stocks a range of standard idler rolls suitable for belt widths of between 450mm and 1800mm. Belting Solutions also have the ability to offer to supply end-users any "Non-Standard" idler rolls within a realistic manufacturing turn around time.

## BRANDING

BMG has absolute confidence in the product that we supply to the market, that we have gone the extra mile and branded the idlers with our own house brand, Belting Solutions.

## STANDARDS

The Belting Solutions Idlers are manufactured in strict compliance to SANS1313, which was revised as recently as 2002. Effectively there are two parts to this standard, with part 1 (1313-1:2002) covering requirements for "Troughed belt conveyor idlers (metallic and non-metallic) for belt speeds of up to 5,0 m/s". And part 2 (1313-2:1998) covering requirements for "Link suspended idlers and fixed-form suspended idlers" We at BMG have associated ourselves with manufacturers that comply 100% with this standard.

## REQUIREMENTS

**What would be required of an idler roll for it to comply with this standard?**

The standard states minimum requirements for the idler. From dimensional requirements, wall thickness, right through to tests for sealing ability and for the effectiveness of lubrication.

## TESTS

**What tests have our rolls gone through to ensure their acceptance to these standards?**

Our idlers have been subjected, but not limited to the following tests.

- Measurement of rolls dimensions.
- Peripheral run-out.
- Sealing ability and for the effectiveness of lubrication
- Resistance to ingress of dust
- Resistance to ingress of water
- Effectiveness of lubrication
- Running behaviour of idlers.
- Assessment of breakaway mass.

**How are these tests done?**

The most important tests, as far as I'm concerned are the tests that check on the ability of the sealing arrangement, especially as an idler is only as good as its sealing arrangement, which protects the bearings from contamination.

There are effectively three tests that can make or break an idlers sealing arrangement. These tests are explained in detail below:

Resistance to ingress of dust, where the idlers roll is fitted with wing nuts, which disturb a fine abrasive dust (with a grain size not exceeding 38µm) with content of at least 60% silicone oxide and at least 30% magnesium oxide.

Three rolls are mounted inside a closed container. The rolls are rotated at a speed equal to a belt speed that does not exceed 1m/s for a period of 96 hours.

The rolls are then removed from the container, cleaned and cut open and checked to see if the dust has entered the rolls.

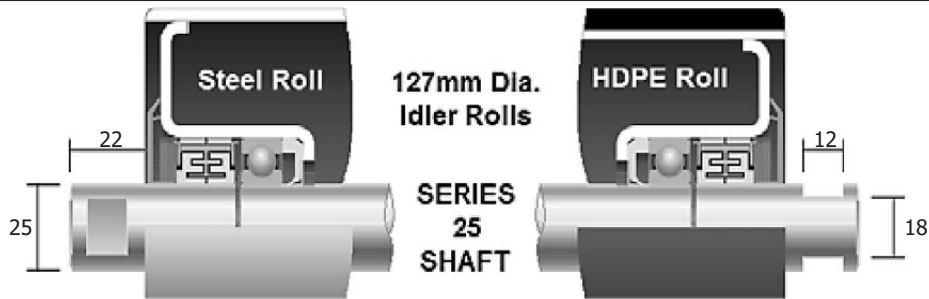
Resistance to ingress of water is where the mass of each roll is determined to the nearest gram prior to being mounted in a closed container that has been filled with tap water up to the middle of the roll shafts.

The rolls are rotated at a speed equal to a belt speed that does not exceed 1m/s for a period of 96 hours. Every 24 hours the rolls are removed and weighed to measure any increase in mass (by water penetration)

The three rolls are removed from the water container and placed in a controlled environment for a 10 day period. The temperature is controlled at 20°C (±2°C) with a relative humidity of 65% (±6%), an air pressure of 86kPa – 106kPa, and an air speed below 1m/s.

After the 10 day period, the idler rolls are cut open and inspected for corrosion of all steel parts in the area of the seal and bearings, especially the contact running area of the bearing balls. Any division of the lubricant in the seals and bearings would be recorded and checked for compliance against the standard.

# SERIES 25 - 450mm WIDE CONVEYOR



## Troughing Roll Dimensions:

|                           |                  |
|---------------------------|------------------|
| Part / Article Number     | T-ROLL STEEL 450 |
| Face Length               | 190 mm           |
| Gauge Length              | 200 mm           |
| Roll Diameter             | 127 mm           |
| Approx Roll Mass Steel: - | 4.41 kg          |
| Approx Roll Mass HDPE: -  | 2.90 kg          |

## Flat Return Idler Roll:

|                           |                  |
|---------------------------|------------------|
| Part / Article Number:    | R-ROLL STEEL 450 |
| Face Length               | 536 mm           |
| Gauge Length              | 546 mm           |
| Roll Diameter             | 127 mm           |
| Approx Roll Mass Steel: - | 9.74 kg          |
| Approx Roll Mass HDPE: -  | 5.10 kg          |

## Impact Idler Roll (133mm Dia):



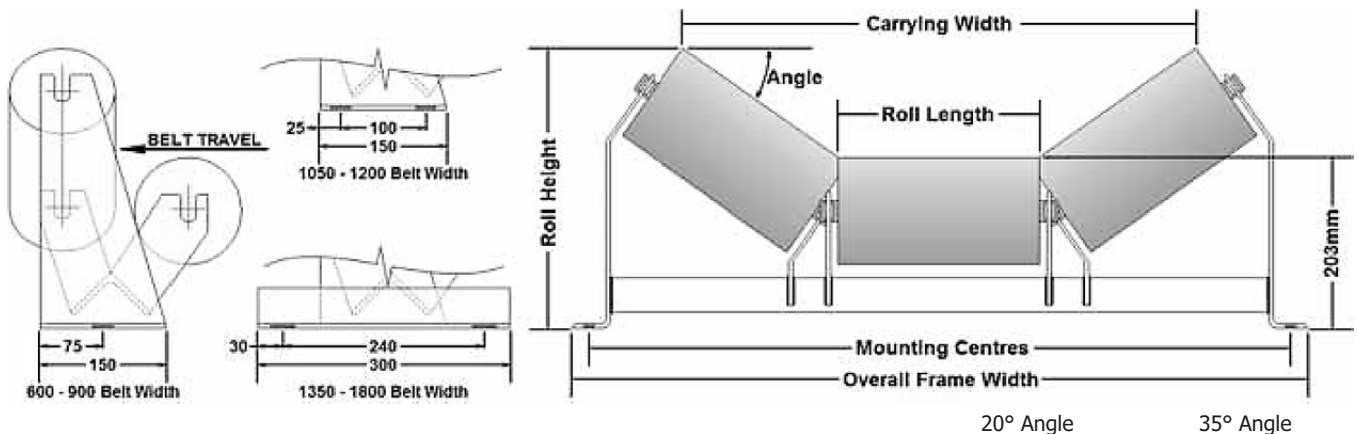
|                       |                 |
|-----------------------|-----------------|
| Part / Article Number | IMPACT ROLL 450 |
| Face Length           | 190 mm          |
| Gauge Length          | 200 mm          |
| Roll Diameter         | 133 mm          |
| Approx Roll Mass      | 4.56 kg         |

## Impact Idler Roll (152mm Dia):

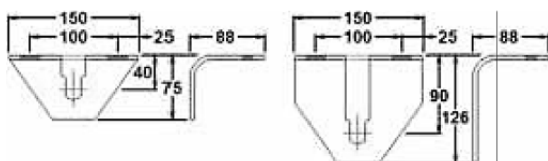


|                       |                 |
|-----------------------|-----------------|
| Part / Article Number | IMPACT ROLL-450 |
| Face Length           | 190 mm          |
| Gauge Length          | 200 mm          |
| Roll Diameter         | 152 mm          |
| Approx Roll Mass      | 5.40 kg         |

## Frames and Brackets:



## Return Drop Brackets

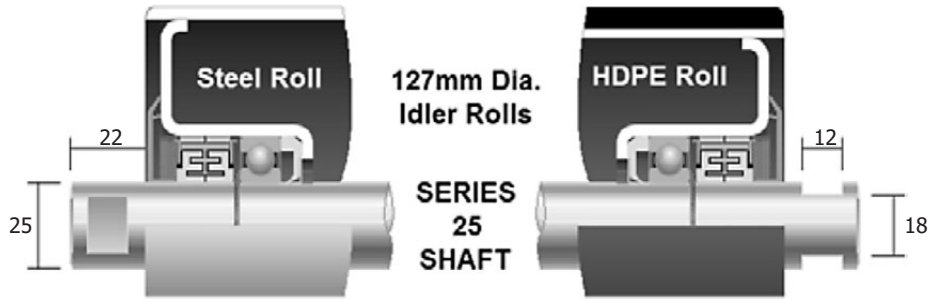


DROP BRACKET 40  
1.15 kg

DROP BRACKET 90  
1.27 kg

| Part / Article Number | T-FRAME-20 450 | T-FRAME-35 450 |
|-----------------------|----------------|----------------|
| Mounting Centres      | 686 mm         | 686 mm         |
| Roll Length           | 190 mm         | 190 mm         |
| Carrying Width        | 528 mm         | 482 mm         |
| Roll Height           | 268 mm         | 312 mm         |
| Overall Frame Width   | 726 mm         | 726 mm         |
| Approx Frame Mass     | 6.83 kg        | 7.56 kg        |

# SERIES 25 - 600mm WIDE CONVEYOR



## Troughing Roll Dimensions:

|                           |                  |
|---------------------------|------------------|
| Part / Article Number     | T-ROLL STEEL 600 |
| Face Length               | 240 mm           |
| Gauge Length              | 250 mm           |
| Roll Diameter             | 127 mm           |
| Approx Roll Mass Steel: - | 5.18 kg          |
| Approx Roll Mass HDPE: -  | 3.20 kg          |

## Flat Return Idler Roll:

|                           |                  |
|---------------------------|------------------|
| Part / Article Number:    | R-ROLL STEEL 600 |
| Face Length               | 688 mm           |
| Gauge Length              | 698 mm           |
| Roll Diameter             | 127 mm           |
| Approx Roll Mass Steel: - | 12.08 kg         |
| Approx Roll Mass HDPE: -  | 6.20 kg          |

## Impact Idler Roll (133mm Dia):



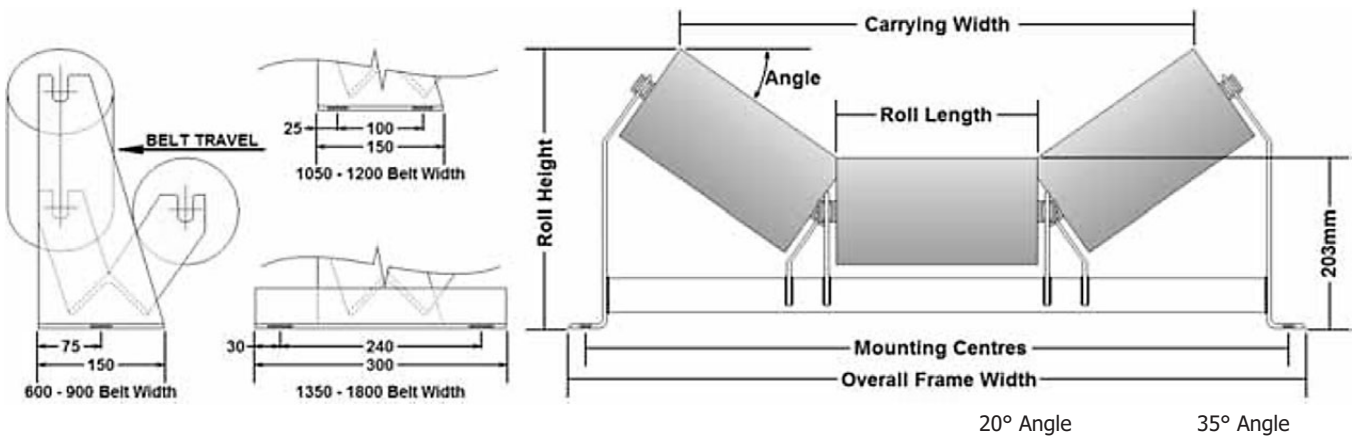
|                       |                 |
|-----------------------|-----------------|
| Part / Article Number | IMPACT ROLL 600 |
| Face Length           | 240 mm          |
| Gauge Length          | 250 mm          |
| Roll Diameter         | 133 mm          |
| Approx Roll Mass      | 5.38 kg         |

## Impact Idler Roll (152mm Dia):

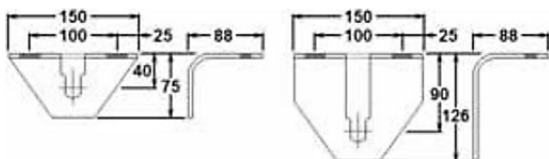


|                       |                 |
|-----------------------|-----------------|
| Part / Article Number | IMPACT ROLL-600 |
| Face Length           | 240 mm          |
| Gauge Length          | 250 mm          |
| Roll Diameter         | 152 mm          |
| Approx Roll Mass      | 7.00 kg         |

## Frames and Brackets:



## Return Drop Brackets

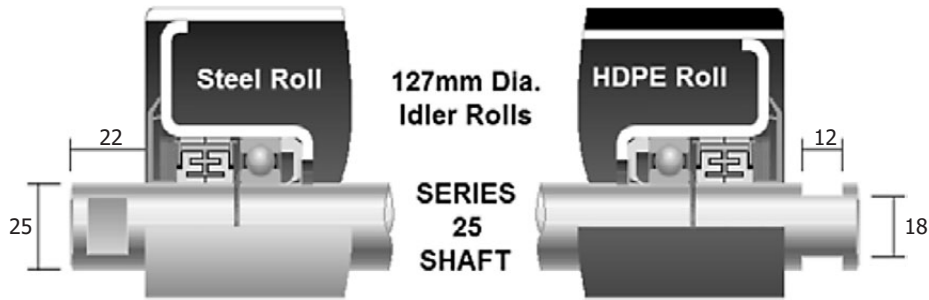


DROP BRACKET 40  
1.15 kg

DROP BRACKET 90  
1.27 kg

| Part / Article Number | T-FRAME-20 600 | T-FRAME-35 600 |
|-----------------------|----------------|----------------|
| Mounting Centres      | 838 mm         | 838 mm         |
| Roll Length           | 240 mm         | 240 mm         |
| Carrying Width        | 668 mm         | 617 mm         |
| Roll Height           | 283 mm         | 338 mm         |
| Overall Frame Width   | 878 mm         | 878 mm         |
| Approx Frame Mass     | 8.03 kg        | 9.17 kg        |

# SERIES 25 - 750mm WIDE CONVEYOR



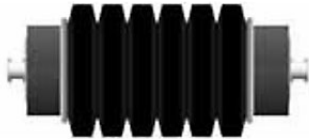
### Troughing Roll Dimensions:

|                           |                  |
|---------------------------|------------------|
| Part / Article Number     | T-ROLL STEEL 750 |
| Face Length               | 290 mm           |
| Gauge Length              | 300 mm           |
| Roll Diameter             | 127 mm           |
| Approx Roll Mass Steel: - | 5.95 kg          |
| Approx Roll Mass HDPE: -  | 3.50 kg          |

### Flat Return Idler Roll:

|                           |                  |
|---------------------------|------------------|
| Part / Article Number:    | R-ROLL STEEL 750 |
| Face Length               | 840 mm           |
| Gauge Length              | 850 mm           |
| Roll Diameter             | 127 mm           |
| Approx Roll Mass Steel: - | 14.42 kg         |
| Approx Roll Mass HDPE: -  | 7.20 kg          |

### Impact Idler Roll (133mm Dia):



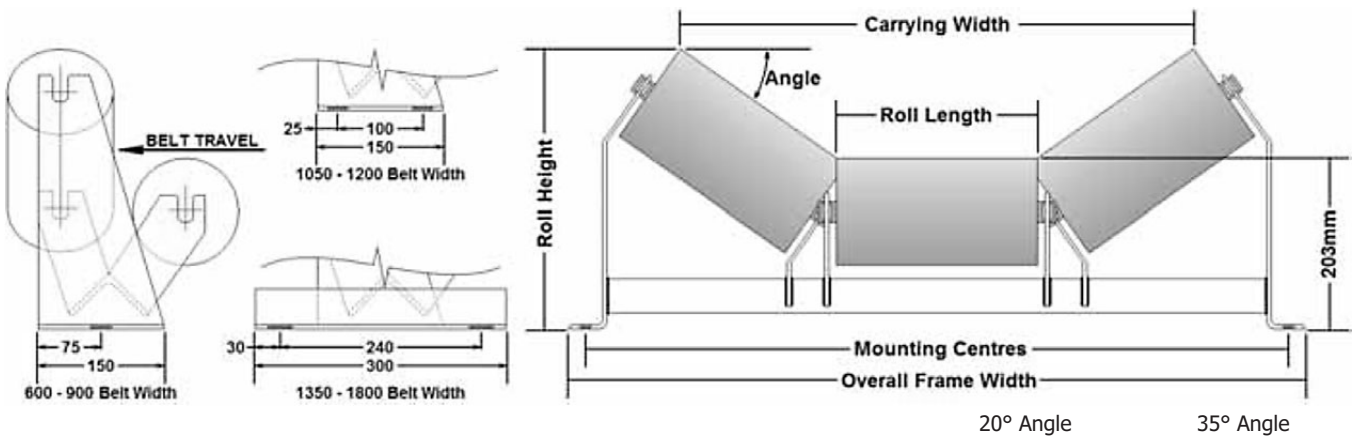
|                       |                 |
|-----------------------|-----------------|
| Part / Article Number | IMPACT ROLL 750 |
| Face Length           | 290 mm          |
| Gauge Length          | 300 mm          |
| Roll Diameter         | 133 mm          |
| Approx Roll Mass      | 6.51 kg         |

### Impact Idler Roll (152mm Dia):

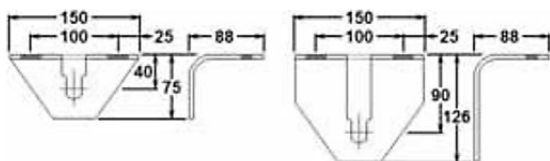


|                       |                 |
|-----------------------|-----------------|
| Part / Article Number | IMPACT ROLL-750 |
| Face Length           | 290 mm          |
| Gauge Length          | 300 mm          |
| Roll Diameter         | 152 mm          |
| Approx Roll Mass      | 7.80 kg         |

### Frames and Brackets:



### Return Drop Brackets



DROP BRACKET 40  
1.15 kg

DROP BRACKET 90  
1.27 kg

| Part / Article Number | T-FRAME-20 750 | T-FRAME-35 750 |
|-----------------------|----------------|----------------|
| Mounting Centres      | 990 mm         | 990 mm         |
| Roll Length           | 290 mm         | 290 mm         |
| Carrying Width        | 812 mm         | 749 mm         |
| Roll Height           | 300 mm         | 367 mm         |
| Overall Frame Width   | 1030 mm        | 1030 mm        |
| Approx Frame Mass     | 9.68 kg        | 10.98 kg       |

# SERIES 25 - 900mm WIDE CONVEYOR



## Troughing Roll Dimensions:

|                           |                  |
|---------------------------|------------------|
| Part / Article Number     | T-ROLL STEEL 900 |
| Face Length               | 340 mm           |
| Gauge Length              | 350 mm           |
| Roll Diameter             | 127 mm           |
| Approx Roll Mass Steel: - | 6.72 kg          |
| Approx Roll Mass HDPE: -  | 3.90 kg          |

## Flat Return Idler Roll:

|                           |                  |
|---------------------------|------------------|
| Part / Article Number:    | R-ROLL STEEL 900 |
| Face Length               | 994 mm           |
| Gauge Length              | 1004 mm          |
| Roll Diameter             | 127 mm           |
| Approx Roll Mass Steel: - | 16.80 kg         |
| Approx Roll Mass HDPE: -  | 8.30 kg          |

## Impact Idler Roll (133mm Dia):



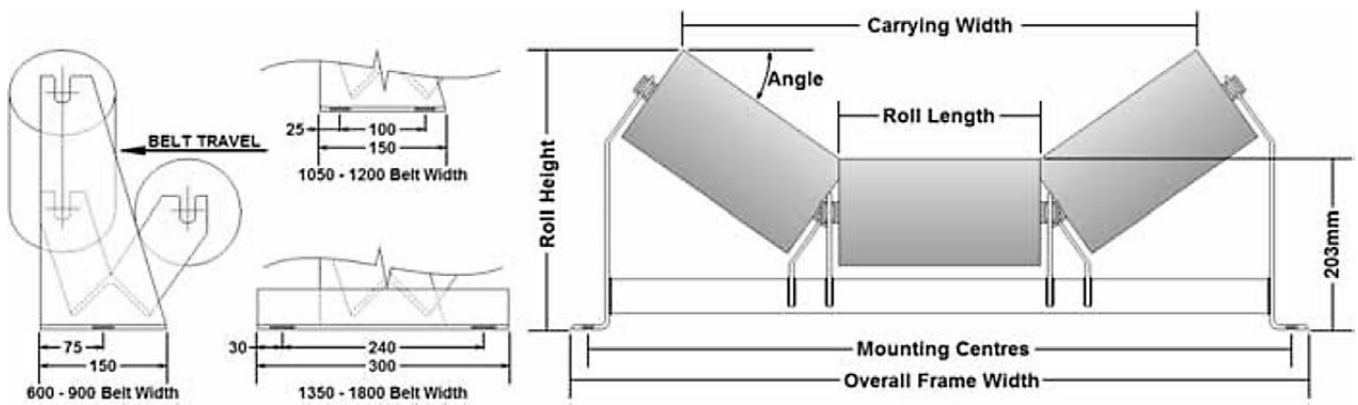
|                       |                 |
|-----------------------|-----------------|
| Part / Article Number | IMPACT ROLL 900 |
| Face Length           | 340 mm          |
| Gauge Length          | 350 mm          |
| Roll Diameter         | 133 mm          |
| Approx Roll Mass      | 7.33 kg         |

## Impact Idler Roll (152mm Dia):

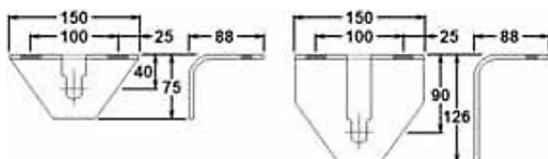


|                       |                 |
|-----------------------|-----------------|
| Part / Article Number | IMPACT ROLL-900 |
| Face Length           | 340 mm          |
| Gauge Length          | 350 mm          |
| Roll Diameter         | 152 mm          |
| Approx Roll Mass      | 9.10 kg         |

## Frames and Brackets:



## Return Drop Brackets

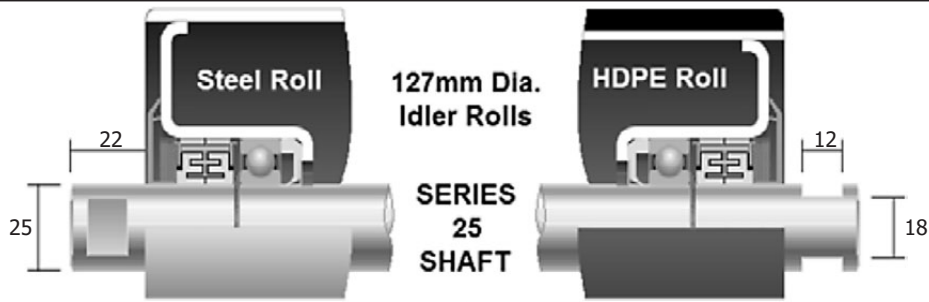


DROP BRACKET 40  
1.15 kg

DROP BRACKET 90  
1.27 kg

| Part / Article Number | T-FRAME-20 900 | T-FRAME-35 900 |
|-----------------------|----------------|----------------|
| Mounting Centres      | 1144 mm        | 1144 mm        |
| Roll Length           | 340 mm         | 340 mm         |
| Carrying Width        | 956 mm         | 881 mm         |
| Roll Height           | 317 mm         | 396 mm         |
| Overall Frame Width   | 1184 mm        | 1184 mm        |
| Approx Frame Mass     | 10.85 kg       | 12.00 kg       |

# SERIES 25 - 1050mm WIDE CONVEYOR



## Troughing Roll Dimensions:

|                           |                  |
|---------------------------|------------------|
| Part / Article Number     | T-ROLL STEEL1050 |
| Face Length               | 390 mm           |
| Gauge Length              | 400 mm           |
| Roll Diameter             | 127 mm           |
| Approx Roll Mass Steel: - | 7.49 kg          |
| Approx Roll Mass HDPE: -  | 4.20 kg          |

## Flat Return Idler Roll:

|                           |                  |
|---------------------------|------------------|
| Part / Article Number:    | R-ROLL STEEL1050 |
| Face Length               | 1146 mm          |
| Gauge Length              | 1156 mm          |
| Roll Diameter             | 127 mm           |
| Approx Roll Mass Steel: - | 19.14 kg         |
| Approx Roll Mass HDPE: -  | 9.40 kg          |

## Impact Idler Roll (133mm Dia):



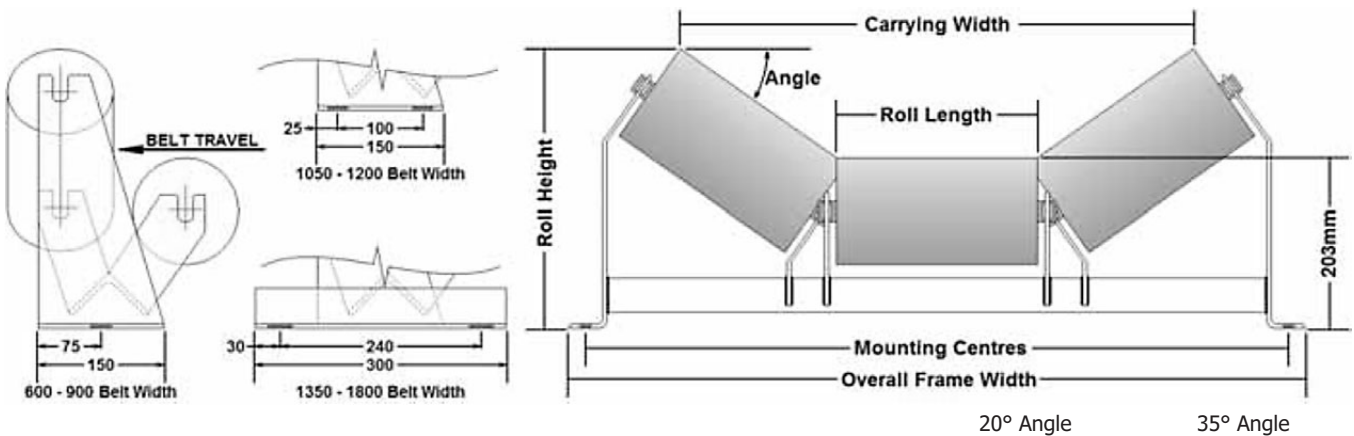
|                       |                 |
|-----------------------|-----------------|
| Part / Article Number | IMPACT ROLL1050 |
| Face Length           | 390 mm          |
| Gauge Length          | 400 mm          |
| Roll Diameter         | 133 mm          |
| Approx Roll Mass      | 8.46 kg         |

## Impact Idler Roll (152mm Dia):

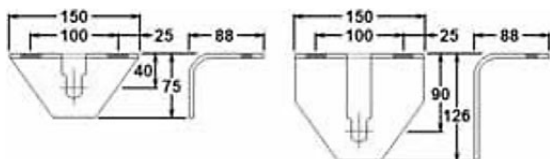


|                       |                  |
|-----------------------|------------------|
| Part / Article Number | IMPACT ROLL-1050 |
| Face Length           | 390 mm           |
| Gauge Length          | 400 mm           |
| Roll Diameter         | 152 mm           |
| Approx Roll Mass      | 10.40 kg         |

## Frames and Brackets:



## Return Drop Brackets

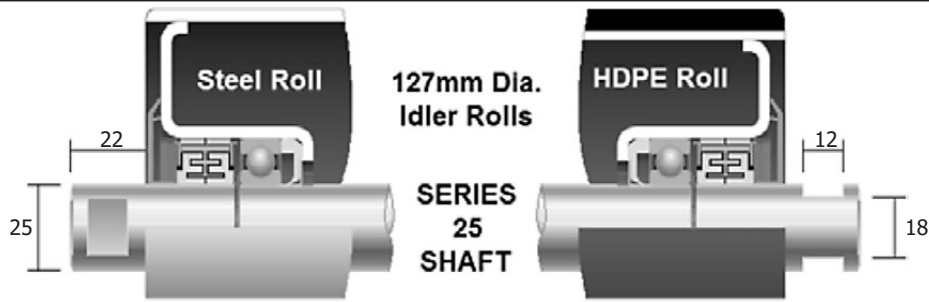


DROP BRACKET 40  
1.15 kg

DROP BRACKET 90  
1.27 kg

| Part / Article Number | T-FRAME-20 1050 | T-FRAME-35 1050 |
|-----------------------|-----------------|-----------------|
| Mounting Centres      | 1296 mm         | 1296 mm         |
| Roll Length           | 390 mm          | 390 mm          |
| Carrying Width        | 1100 mm         | 1013 mm         |
| Roll Height           | 334 mm          | 424 mm          |
| Overall Frame Width   | 1336 mm         | 1336 mm         |
| Approx Frame Mass     | 13.58 kg        | 14.56 kg        |

# SERIES 25 - 1200mm WIDE CONVEYOR



## Troughing Roll Dimensions:

|                           |                  |
|---------------------------|------------------|
| Part / Article Number     | T-ROLL STEEL1200 |
| Face Length               | 450 mm           |
| Gauge Length              | 460 mm           |
| Roll Diameter             | 127 mm           |
| Approx Roll Mass Steel: - | 8.42 kg          |
| Approx Roll Mass HDPE: -  | 4.60 kg          |

## Flat Return Idler Roll:

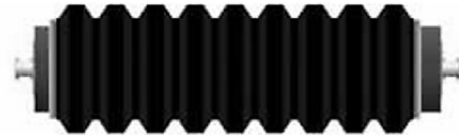
|                           |                  |
|---------------------------|------------------|
| Part / Article Number:    | R-ROLL STEEL1200 |
| Face Length               | 1298 mm          |
| Gauge Length              | 1308 mm          |
| Roll Diameter             | 127 mm           |
| Approx Roll Mass Steel: - | 21.48 kg         |
| Approx Roll Mass HDPE: -  | 10.40 kg         |

## Impact Idler Roll (133mm Dia):



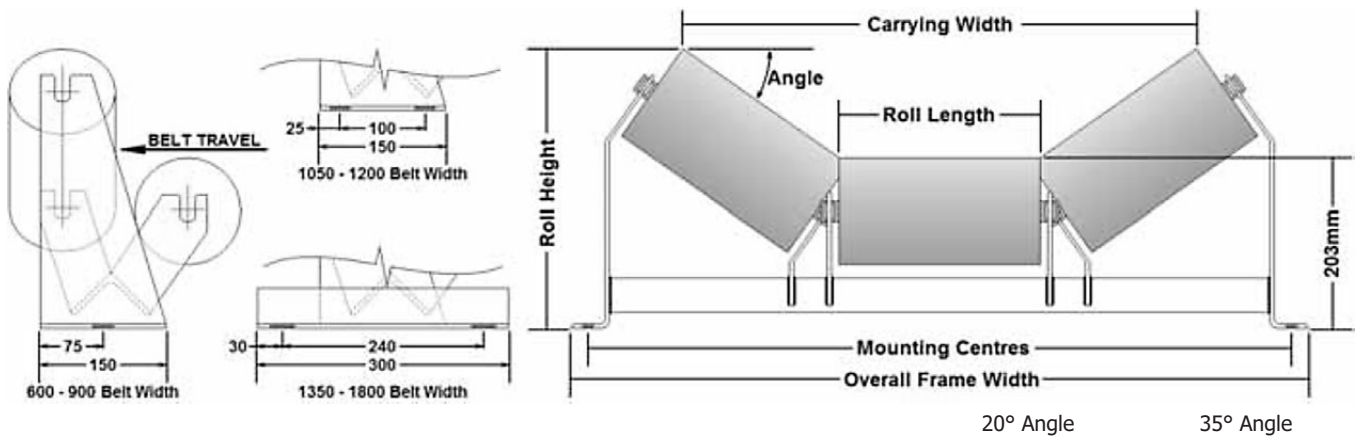
|                       |                 |
|-----------------------|-----------------|
| Part / Article Number | IMPACT ROLL1200 |
| Face Length           | 450 mm          |
| Gauge Length          | 460 mm          |
| Roll Diameter         | 133 mm          |
| Approx Roll Mass      | 9.69 kg         |

## Impact Idler Roll (152mm Dia):

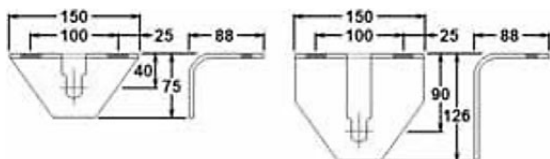


|                       |                  |
|-----------------------|------------------|
| Part / Article Number | IMPACT ROLL-1200 |
| Face Length           | 450 mm           |
| Gauge Length          | 460 mm           |
| Roll Diameter         | 152 mm           |
| Approx Roll Mass      | 11.80 kg         |

## Frames and Brackets:



## Return Drop Brackets

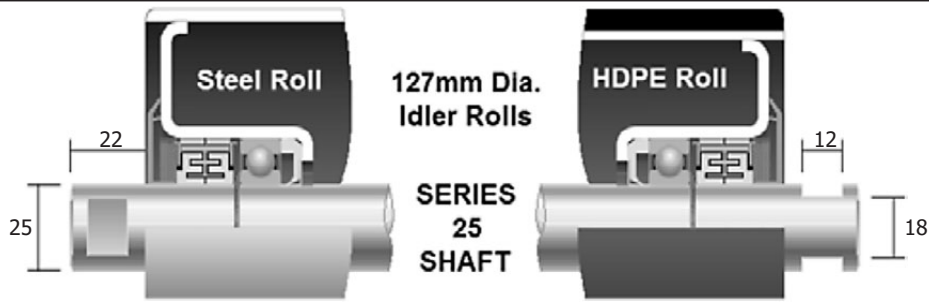


DROP BRACKET 40  
1.15 kg

DROP BRACKET 90  
1.27 kg

| Part / Article Number | T-FRAME-20 1200 | T-FRAME-35 1200 |
|-----------------------|-----------------|-----------------|
| Mounting Centres      | 1448 mm         | 1448 mm         |
| Roll Length           | 450 mm          | 450 mm          |
| Carrying Width        | 1273 mm         | 1171 mm         |
| Roll Height           | 354 mm          | 459 mm          |
| Overall Frame Width   | 1488 mm         | 1488 mm         |
| Approx Frame Mass     | 14.84 kg        | 15.89 kg        |

# SERIES 25 - 1350mm WIDE CONVEYOR



## Troughing Roll Dimensions:

|                           |                  |
|---------------------------|------------------|
| Part / Article Number     | T-ROLL STEEL1350 |
| Face Length               | 500 mm           |
| Gauge Length              | 510 mm           |
| Roll Diameter             | 127 mm           |
| Approx Roll Mass Steel: - | 9.19 kg          |
| Approx Roll Mass HDPE: -  | 5.00 kg          |

## Flat Return Idler Roll:

|                           |                  |
|---------------------------|------------------|
| Part / Article Number:    | R-ROLL STEEL1350 |
| Face Length               | 1450 mm          |
| Gauge Length              | 1460 mm          |
| Roll Diameter             | 127 mm           |
| Approx Roll Mass Steel: - | 23.82 kg         |
| Approx Roll Mass HDPE: -  | 11.50 kg         |

## Impact Idler Roll (133mm Dia):



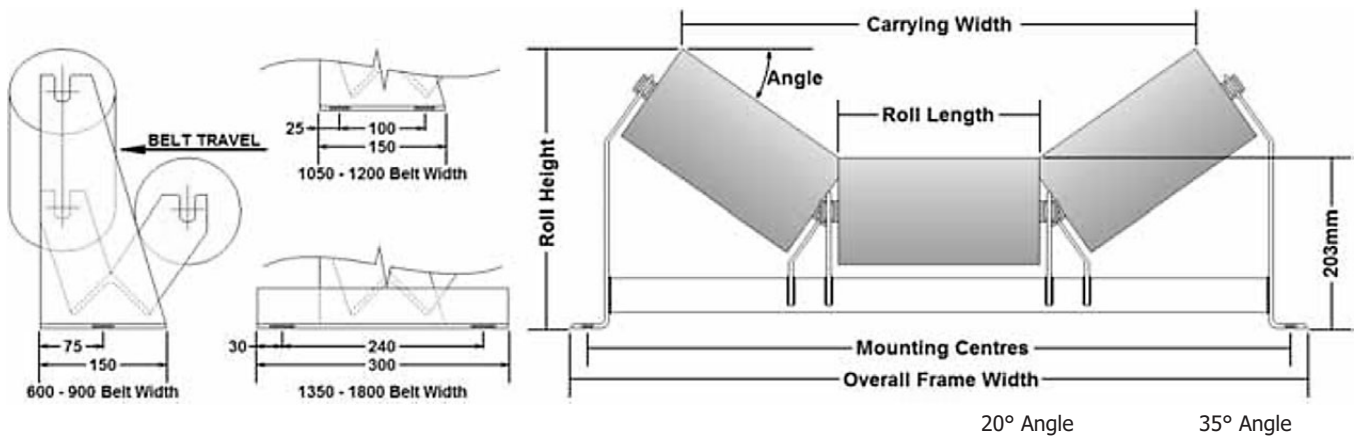
|                       |                 |
|-----------------------|-----------------|
| Part / Article Number | IMPACT ROLL1350 |
| Face Length           | 500 mm          |
| Gauge Length          | 510 mm          |
| Roll Diameter         | 133 mm          |
| Approx Roll Mass      | 10.51 kg        |

## Impact Idler Roll (152mm Dia):

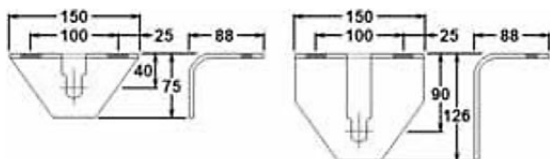


|                       |                  |
|-----------------------|------------------|
| Part / Article Number | IMPACT ROLL-1350 |
| Face Length           | 500 mm           |
| Gauge Length          | 510 mm           |
| Roll Diameter         | 152 mm           |
| Approx Roll Mass      | 13.10 kg         |

## Frames and Brackets:



## Return Drop Brackets



DROP BRACKET 40  
1.15 kg

DROP BRACKET 90  
1.27 kg

| Part / Article Number | T-FRAME-20 1350 | T-FRAME-35 1350 |
|-----------------------|-----------------|-----------------|
| Mounting Centres      | 1600 mm         | 1600 mm         |
| Roll Length           | 500 mm          | 500 mm          |
| Carrying Width        | 1417 mm         | 1303 mm         |
| Roll Height           | 371 mm          | 487 mm          |
| Overall Frame Width   | 1660 mm         | 1660 mm         |
| Approx Frame Mass     | 20.68 kg        | 22.56 kg        |

# SERIES 25 - 1500mm WIDE CONVEYOR



## Troughing Roll Dimensions:

|                           |                  |
|---------------------------|------------------|
| Part / Article Number     | T-ROLL STEEL1500 |
| Face Length               | 560 mm           |
| Gauge Length              | 570 mm           |
| Roll Diameter             | 127 mm           |
| Approx Roll Mass Steel: - | 10.11 kg         |
| Approx Roll Mass HDPE: -  | 5.40 kg          |

## Flat Return Idler Roll:

|                           |                  |
|---------------------------|------------------|
| Part / Article Number:    | R-ROLL STEEL1500 |
| Face Length               | 1602 mm          |
| Gauge Length              | 1612 mm          |
| Roll Diameter             | 127 mm           |
| Approx Roll Mass Steel: - | 26.16 kg         |
| Approx Roll Mass HDPE: -  | 12.60 kg         |

## Impact Idler Roll (133mm Dia):



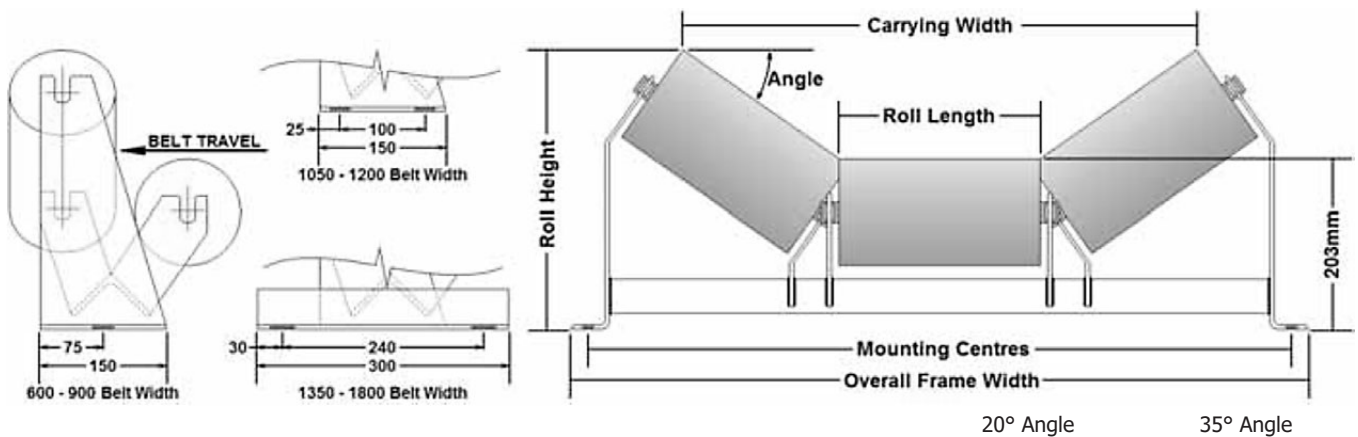
|                       |                 |
|-----------------------|-----------------|
| Part / Article Number | IMPACT ROLL1500 |
| Face Length           | 560 mm          |
| Gauge Length          | 570 mm          |
| Roll Diameter         | 133 mm          |
| Approx Roll Mass      | 13.7 kg         |

## Impact Idler Roll (152mm Dia):

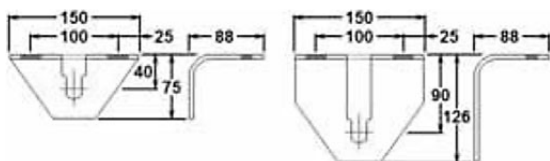


|                       |                  |
|-----------------------|------------------|
| Part / Article Number | IMPACT ROLL-1500 |
| Face Length           | 560 mm           |
| Gauge Length          | 570 mm           |
| Roll Diameter         | 152 mm           |
| Approx Roll Mass      | 14.50 kg         |

## Frames and Brackets:



## Return Drop Brackets

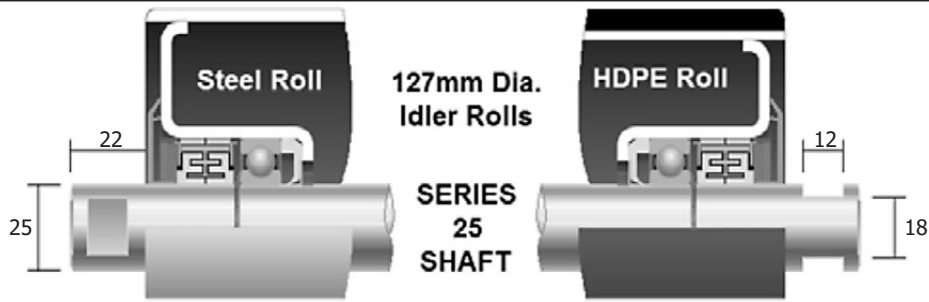


DROP BRACKET 40  
1.15 kg

DROP BRACKET 90  
1.27 kg

| Part / Article Number | T-FRAME-20 1500 | T-FRAME-35 1500 |
|-----------------------|-----------------|-----------------|
| Mounting Centres      | 1752 mm         | 1752 mm         |
| Roll Length           | 560 mm          | 560 mm          |
| Carrying Width        | 1589 mm         | 1461 mm         |
| Roll Height           | 392 mm          | 522 mm          |
| Overall Frame Width   | 1812 mm         | 1812 mm         |
| Approx Frame Mass     | 23.87 kg        | 25.89 kg        |

# SERIES 25 - 1800mm WIDE CONVEYOR



## Troughing Roll Dimensions:

|                           |                  |
|---------------------------|------------------|
| Part / Article Number     | T-ROLL STEEL1800 |
| Face Length               | 660 mm           |
| Gauge Length              | 670 mm           |
| Roll Diameter             | 127 mm           |
| Approx Roll Mass Steel: - | 11.65 kg         |
| Approx Roll Mass HDPE: -  | 6.10 kg          |

## Flat Return Idler Roll:

|                           |                  |
|---------------------------|------------------|
| Part / Article Number:    | R-ROLL STEEL1800 |
| Face Length               | 1908 mm          |
| Gauge Length              | 1918 mm          |
| Roll Diameter             | 127 mm           |
| Approx Roll Mass Steel: - | 30.87 kg         |
| Approx Roll Mass HDPE: -  | 14.50 kg         |

## Impact Idler Roll (133mm Dia):



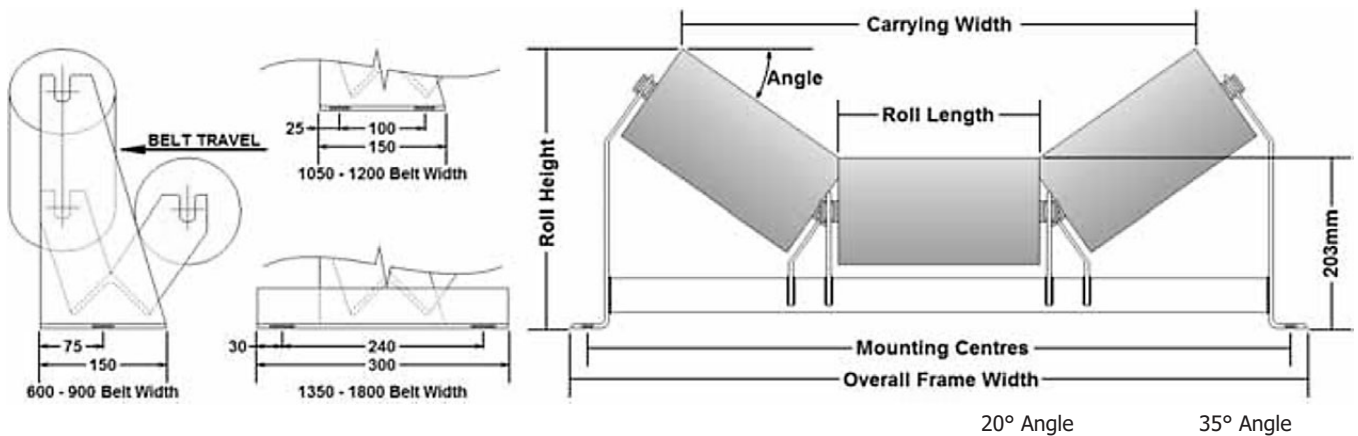
|                       |                 |
|-----------------------|-----------------|
| Part / Article Number | IMPACT ROLL1800 |
| Face Length           | 660 mm          |
| Gauge Length          | 670 mm          |
| Roll Diameter         | 133 mm          |
| Approx Roll Mass      | 15.8 kg         |

## Impact Idler Roll (152mm Dia):

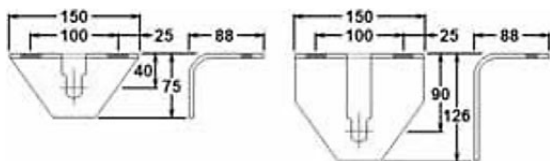


|                       |                  |
|-----------------------|------------------|
| Part / Article Number | IMPACT ROLL-1800 |
| Face Length           | 660 mm           |
| Gauge Length          | 670 mm           |
| Roll Diameter         | 152 mm           |
| Approx Roll Mass      | 16.60 kg         |

## Frames and Brackets:



## Return Drop Brackets



DROP BRACKET 40  
1.15 kg

DROP BRACKET 90  
1.27 kg

| Part / Article Number | T-FRAME-20 1800 | T-FRAME-35 1800 |
|-----------------------|-----------------|-----------------|
| Mounting Centres      | 2058 mm         | 2058 mm         |
| Roll Length           | 660 mm          | 660 mm          |
| Carrying Width        | 1877 mm         | 1723 mm         |
| Roll Height           | 426 mm          | 579 mm          |
| Overall Frame Width   | 2118 mm         | 2118 mm         |
| Approx Frame Mass     | 31.95 kg        | 36.92 kg        |

# IDLER SURVEY FORM

Conveyor Number: \_\_\_\_\_

Customer: \_\_\_\_\_ Date: \_\_\_\_\_

Responsible Person: \_\_\_\_\_ Tel No. \_\_\_\_\_

Belt Width: \_\_\_\_\_ Belt Speed: \_\_\_\_\_ m/sec

Belt Length: \_\_\_\_\_ Material Conveyed: \_\_\_\_\_

Belt Condition:

|     |     |       |
|-----|-----|-------|
| WET | DRY | DUSTY |
|-----|-----|-------|

|     |    |
|-----|----|
| YES | NO |
|-----|----|

Roller / Frame Currently in Use: \_\_\_\_\_

Troughing System:

|        |        |       |      |        |
|--------|--------|-------|------|--------|
| 3-ROLL | 5-ROLL | STEEL | HDPE | IMPACT |
|--------|--------|-------|------|--------|

Return:

|      |          |       |      |             |
|------|----------|-------|------|-------------|
| FLAT | V-RETURN | STEEL | HDPE | RUBBER DISK |
|------|----------|-------|------|-------------|

Garland System:

|        |        |         |           |       |
|--------|--------|---------|-----------|-------|
| 3-ROLL | 5-ROLL | SHACKLE | OPEN HOOK | CHAIN |
|--------|--------|---------|-----------|-------|

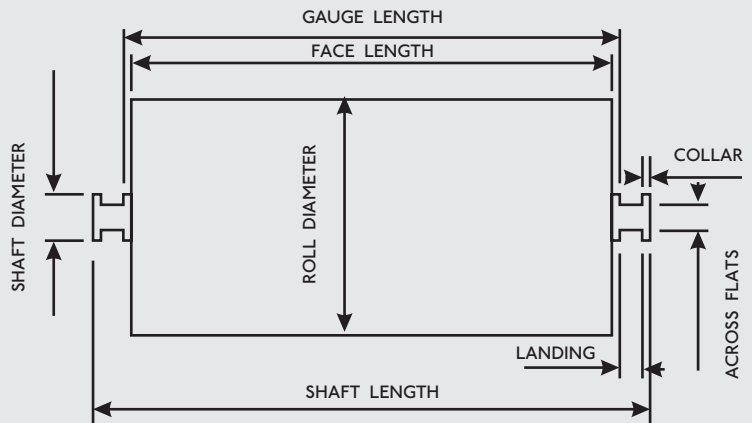
Frames:

|         |         |        |        |        |
|---------|---------|--------|--------|--------|
| IN LINE | OFF-SET | 20 DEG | 35 DEG | 45 DEG |
|---------|---------|--------|--------|--------|

Frames:

|         |         |       |
|---------|---------|-------|
| 40 DROP | 90 DROP | OTHER |
|---------|---------|-------|

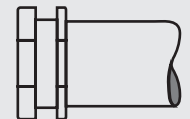
| Dimensions Required  | mm |
|----------------------|----|
| Gauge Length         |    |
| Face Length          |    |
| Roll Diameter        |    |
| Overall Shaft Length |    |
| Shaft Diameter       |    |
| Across Flats         |    |
| Landing              |    |
| Collar               |    |
| Open End             |    |
| Closed End           |    |
| Hole Centres         |    |
| Hole Size            |    |



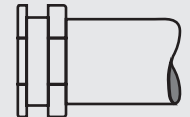
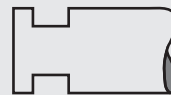
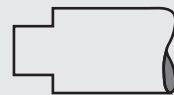
OPEN END TYPE



CLOSED END TYPE



JEFFREY NUT TYPE



Signature: \_\_\_\_\_

Survey Done By (Print): \_\_\_\_\_



LINK SUSPENDED TYPE





24 HR TOLL-FREE EMERGENCY  
BRANCH HELPLINE:

**0800 022 224**

WEBSITE:

**[www.bmgworld.net](http://www.bmgworld.net)**



BEARING MAN GROUP

BEARINGS • SEALS • POWER TRANSMISSION • BELTING  
DRIVES & MOTORS • FASTENERS • FILTRATION • HYDRAULICS

**SANS** ISO 9001:2008