# Belt Conveyor Questionnaire

| **Written by** | | **Date** | |
|---|---|---|---|
| **Customer** | | **Project** | |
| **Location** | | **Conveyor description** | |

Underlined data is mandatory

## Conveyor data:

| Conv. length / Center-Distance | m |
| Conveyor design capacity | t/h |
| Lift high | m |
| Belt speed | m/s |
| Max angle ('+' up, '-' down) | ° |
| Ambient Temperature | °C |
| Operating time | h/d |
| Type of scraper | |

## Material data:

| Material | |
| Bulk density | kg/m³ |
| Temperature (average/max) | °C / |
| Maximum lump size | mm |
| Drop height | m |
| Material characteristics (e.g. abrasive, chem. agressive, oil/grease) | |

## Belt:

| Belt length | m |
| Belt width | mm |
| Type of carcass (e.g. St, EP) | |
| Tensile strength (and number of plies if applicable e.g. 400/3) | N/mm |
| Cover thickness (Top/Bottom) | mm / |
| Cover grade | |
| Cross-Reinforcement type | |
| Belt characteristics (General use, flame-, fire-, cold-, heat-resistant) | |
| Belt splicing (Vulcanizing, cold bonding, mechanical fasteners) | |
| Currently installed belt | |

## Drive:

| Position/Number | |
| Installed drive power | kW |
| Start-up device (Direct / fluid coupling / frequency converter) | |
| Time for start-up / breaking | s / |
| Wrap angle (driven pulleys) | ° |
| Pulley lagging | |

## Take-up:

| Position (head, tail) | |
| Take-up type (gravity/ winch /…) | |
| Take-up weight | t |
| Take-up pulley travel | m |

## Pulley diameter:

| Drive, head pulley | mm |
| Return, tail pulley | mm |
| Snub pulley | mm |

## Idlers/Troughing:

| | Carry | Return |
|---|---|---|
| Idler pitch | m | m |
| Number of idlers in one set | | |
| Troughing angle | ° | ° |
| Idler diameter | mm | mm |
| Roller weight (rotating parts) | kg | kg |
| Transition distance (head/tail) | m | / |
| Pulley elevation (yes/no) | | |

**Special information** (e.g. sketch / height profile / routing / schematic diagram)

Application Engineering, Sempertrans