

GLIDE PLUS™

DESCRIPTION:

The belt that's built to take it! Millions of feet of Goodyear's Glide Plus have been sold in underground mining applications since 1999. The unique fabric weave design offers excellent rip and tear resistance, adhesion, flexibility and splice retention.

Markets



- Coal
- Potash
- Trona

Applications



- Mainline Belts
 - Panel Belts
 - Slope Belts
- to name a few.*

Cover Compounds



- ARMA II
- ARMA

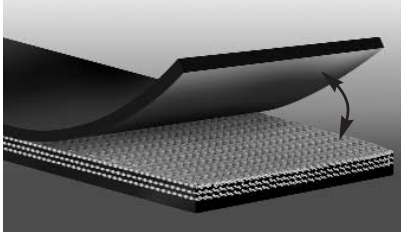


Tension Range

400 to 1800 PIW

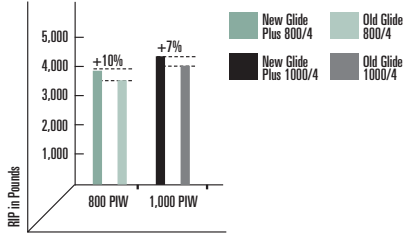
Features

Benefits



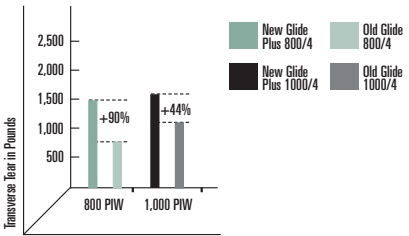
Excellent Adhesion

Adhesion helps reduce edge separation, prolong splice life, help prevent idler junction failure and reduce the risk of delamination. All of this helps extend belt life.



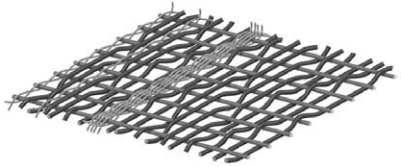
Rip Resistance

Oftentimes, scrap metal and debris become lodged in the conveyor belt structure. When this happens, equipment damage, material spillage and even long cuts in the belt can occur. The double-faced twill weave design found in all Glide Plus belting helps dislodge and expel foreign objects from the system, while keeping belt rips confined to a small area.



Transverse Tear

Thanks to the double-faced twill weave design of Glide Plus belts, belt tears and material punctures are kept to a minimum. Should they occur, however, the belt's unique twill weave design keeps them contained to help maintain your conveyor system's productivity.



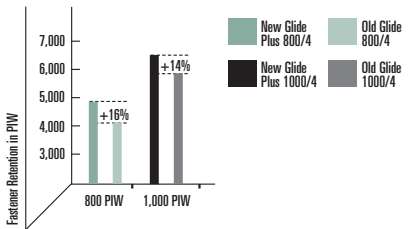
Patented Fray Stop™

This patented design helps reduce troublesome fabric "stringing." Fabric strings can become tangled in idlers, causing the idlers to freeze up, which results in bearing degradation and pulley cover wear. Belts that string also delaminate, which weakens the belt and leads to breakdowns. By reducing fabric stringing, which tends to occur in straight warp belts, Fray Stop reduces maintenance and downtime.



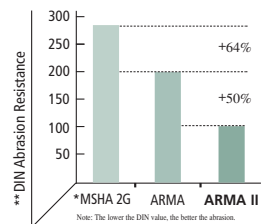
Increased Dynamic Flexibility

Glide Plus belt customers enjoy significant pulley cost savings, since smaller pulleys may be utilized. And smaller pulleys allow you to conserve space in your underground applications without sacrificing belt performance. In addition, the cabled warp cord design of the Glide Plus belt provides extended splice life by offering superior resistance to mechanical and vulcanized splice fatigue.



Fastener Retention

Splice longevity and integrity is assured in normal running conditions up to 100% of the belt's rated tension. This means minimized downtime. The unique twill weave design enhances fastener holding ability and helps to expel any foreign objects that may penetrate the belt.



Abrasion Resistant Compounds – ARMA II

Goodyear's advanced rubber technology produced ARMA II rubber compound. ARMA II extends service life by providing very high resistance to abrasion wear. The result is lower cost-per-ton conveyed.

*MSHA 2G has been discontinued
 ** DIN = Deutsche International Norm (All DIN results utilize a rotating disk)

GLIDE PLUS CONVEYOR BELT DATA - Imperial

| | Glide Plus 400 | Glide Plus 500 | Glide Plus 600 | Glide Plus 750 | Glide Plus 800 | Glide Plus 1000 | Glide Plus 1000 | Glide Plus 1250 | Glide Plus 1350 | Glide Plus 1800 |
|--|----------------|----------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| PIW Rating (pounds per inch of width)* | | | | | | | | | | |
| Plies | 2 | 3 | 3 | 3 | 4 | 2 | 4 | 5 | 3 | 4 |
| Fabric Type | P/N | N/N | P/N | P/N | P/N | P/N | P/N | P/N | P/N | P/N |
| Vulcanized & Fastener Rating (piw/) | 400 | 500 | 600 | 750 | 800 | 1000 | 1000 | 1200 | 1350 | 1800 |
| Carcass Gauge (in.) | 0.206 | 0.187 | 0.292 | 0.304 | 0.398 | 0.314 | 0.414 | 0.524 | 0.490 | 0.636 |
| Carcass Weight (lbs/sq.ft.) | 1.18 | 1.12 | 1.65 | 1.75 | 2.26 | 1.97 | 2.39 | 3.03 | 3.01 | 4.06 |
| Approx 1/32" cover wt (lbs/sq.ft.) | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| Average Permanent Elongation (%)** | 0.9 | 1.8 | 0.9 | 1.4 | 0.9 | 1.5 | 1.4 | 1.4 | 1.5 | 1.5 |
| Elastic modulus (piw) | 38,500 | 30,250 | 57,750 | 55,200 | 77,000 | 60,000 | 73,600 | 92,000 | 90,000 | 125,064 |
| Vulcanized Step Length (in.)*** | 16 | 14 | 16 | 18 | 16 | Finger | 18 | 18 | Finger | Finger |
| Recommended Plate Fastener**** | BR-10 | BR-10 | BR-10 | BR-14 | BR-14 | NR | NR | NR | NR | NR |
| Hinge | R5 | R5-1/2 | R5-1/2 | R6 | R6 | R6 | R6 | R6 | R8 | NR |
| Hinge | U35 | U35 | U35 | U36 | U36 | U38A | U38A | U38 | U38 | U38B |

* Glide Plus rated belt tension can exceed 100%, with a maximum of 150%, during starting and stopping conditions.

** Consult your Goodyear field sales person or Goodyear Authorized Distributor for elastic and total elongation calculations.

*** Consult your Goodyear field sales person or Goodyear Authorized Distributor for finger splice specifications.

**** Fastener size recommendation may vary due to cover thickness.

N/N = Nylon/Nylon P/N = Poly/Nylon

GLIDE PLUS LOAD SUPPORT (Maximum Belt Width) (in.)

| Material Weight | 0-65 lbs | | | 65-100 lbs | | |
|-------------------|----------|--------|--------|------------|--------|--------|
| | 20 deg | 35 deg | 45 deg | 20 deg | 35 deg | 45 deg |
| Idlers | | | | | | |
| Glide Plus 400/2 | 48 | 48 | 42 | 42 | 42 | 36 |
| Glide 500/3 | 60 | 54 | 48 | 54 | 48 | 42 |
| Glide Plus 600/3 | 72 | 60 | 54 | 72 | 60 | 54 |
| Glide Plus 750/3 | 72 | 60 | 54 | 66 | 60 | 54 |
| Glide Plus 800/4 | 84 | 72 | 72 | 84 | 72 | 60 |
| Glide Plus 1000/2 | 72 | 72 | 60 | 72 | 60 | 54 |
| Glide Plus 1000/4 | 84 | 72 | 72 | 84 | 72 | 60 |
| Glide Plus 1250/5 | 108 | 96 | 96 | 108 | 96 | 84 |
| Glide Plus 1350/3 | 96 | 96 | 84 | 96 | 84 | 72 |
| Glide Plus 1800/4 | 118 | 118 | 108 | 108 | 108 | 96 |

On systems with troughing idler spacing greater than 5 ft. OR idler roll gap greater than 1/2", consult Goodyear.

GLIDE PLUS TROUGHABILITY (Minimum Belt Width) (in.)

| | Glide Plus 400 | Glide Plus 500 | Glide Plus 600 | Glide Plus 750 | Glide Plus 800 | Glide Plus 1000 | Glide Plus 1000 | Glide Plus 1250 | Glide Plus 1350 | Glide Plus 1800 |
|------------------|----------------|----------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| | 2 | 3 | 3 | 3 | 4 | 2 | 4 | 5 | 3 | 4 |
| 20 degree idlers | 18 | 24 | 24 | 24 | 30 | 24 | 30 | 36 | 30 | 36 |
| 35 degree idlers | 24 | 30 | 30 | 30 | 36 | 30 | 36 | 42 | 36 | 42 |
| 45 degree idlers | 30 | 36 | 36 | 36 | 42 | 36 | 42 | 48/ | 42 | 48 |

GLIDE PLUS MINIMUM PULLEY DIAMETERS

| | Glide Plus 400 | Glide Plus 500 | Glide Plus 600 | Glide Plus 750 | Glide Plus 800 | Glide Plus 1000 | Glide Plus 1000 | Glide Plus 1250 | Glide Plus 1350 | Glide Plus 1800 |
|--------------------|----------------|----------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| | 2 | 3 | 3 | 3 | 4 | 2 | 4 | 5 | 3 | 4 |
| Over 80% Tension | 22 | 20 | 24 | 24 | 30 | 36 | 36 | 42 | 42 | 48 |
| 60% to 80% Tension | 18 | 18 | 20 | 20 | 24 | 30 | 30 | 36 | 36 | 42 |
| 40% to 60% Tension | 16 | 16 | 18 | 20 | 20 | 24 | 24 | 30 | 36 | 42 |
| Up to 40% Tension | 14 | 14 | 16 | 18 | 18 | 20 | 20 | 24 | 30 | 36 |
| Tails and Snubs | 14 | 14 | 16 | 18 | 18 | 20 | 20 | 24 | 30 | 36 |

GLIDE PLUS CONVEYOR BELT DATA - Metric

| | Glide Plus 400 | Glide 500 | Glide Plus 600 | Glide Plus 750 | Glide Plus 800 | Glide Plus 1000 | Glide Plus 1000 | Glide Plus 1250 | Glide Plus 1350 | Glide Plus 1800 |
|--|----------------|-----------|----------------|----------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| PIW Rating (pounds per inch of width)* | | | | | | | | | | |
| Plies | 2 | 3 | 3 | 3 | 4 | 2 | 4 | 5 | 3 | 4 |
| Fabric Type | P/N | N/N | P/N | P/N | P/N | P/N | P/N | P/N | P/N | P/N |
| Vulcanized & Fastener Rating (kn/m) | 70 | 88 | 105 | 131 | 140 | 175 | 175 | 210 | 236 | 315 |
| Carcass Gauge (mm) | 5.23 | 4.74 | 7.41 | 7.72 | 10.1 | 7.97 | 10.51 | 13.3 | 12.45 | 16.15 |
| Carcass Weight (kg/sq.m) | 5.76 | 5.47 | 8.06 | 8.54 | 11.03 | 9.61 | 11.67 | 14.79 | 14.70 | 19.82 |
| Approx 1/32" cover wt (kg/sq.m) | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 |
| Average Permanent Elongation (%)** | 0.9 | 1.8 | 0.9 | 1.4 | 0.9 | 1.5 | 1.4 | 1.4 | 1.5 | 1.5 |
| Elastic modulus (kn/m) | 6,743 | 5,298 | 10,113 | 9,667 | 13,485 | 10,507 | 12,890 | 16,112 | 15,760 | 21,902 |
| Vulcanized Step Length (mm)*** | 406 | 356 | 406 | 457 | 406 | Finger | 457 | 457 | Finger | Finger |
| Recommended Plate Fastener**** | BR-10 | BR-10 | BR-10 | BR-14 | BR-14 | NR | NR | NR | NR | NR |
| Hinge | R5 | R5-1/2 | R5-1/2 | R6 | R6 | R6 | R6 | R6 | R8 | NR |
| Hinge | U35 | U35 | U35 | U36 | U36 | U38A | U38A | U38 | U38 | U38B |

* Glide Plus rated belt tension can exceed 100%, with a maximum of 150%, during starting and stopping conditions.

** Consult your Goodyear field sales person or Goodyear Authorized Distributor for elastic and total elongation calculations.

*** Consult your Goodyear field sales person or Goodyear Authorized Distributor for finger splice specifications.

**** Fastener size recommendation may vary due to cover thickness.

N/N = Nylon/Nylon P/N = Poly/Nylon

GLIDE PLUS LOAD SUPPORT (Maximum Belt Width) (mm.)

| Material Weight | 0-65 cu.ft. | | | 65-100 cu.ft. | | |
|-------------------|-------------|--------|--------|---------------|--------|--------|
| | 20 deg | 35 deg | 45 deg | 20 deg | 35 deg | 45 deg |
| Idlers | | | | | | |
| Glide Plus 400/2 | 1219 | 1219 | 1067 | 1067 | 1067 | 914 |
| Glide 500/3 | 1524 | 1372 | 1219 | 1372 | 1219 | 1067 |
| Glide Plus 600/3 | 1829 | 1524 | 1372 | 1829 | 1524 | 1372 |
| Glide Plus 750/3 | 1829 | 1524 | 1372 | 1676 | 1524 | 1372 |
| Glide Plus 800/4 | 2134 | 1829 | 1829 | 2134 | 1829 | 1524 |
| Glide Plus 1000/2 | 1829 | 1829 | 1524 | 1829 | 1524 | 1372 |
| Glide Plus 1000/4 | 2134 | 1829 | 1829 | 2134 | 1829 | 1524 |
| Glide Plus 1250/5 | 2744 | 2438 | 2438 | 2744 | 2438 | 2134 |
| Glide Plus 1350/3 | 2438 | 2438 | 2134 | 2438 | 2134 | 1829 |
| Glide Plus 1800/4 | 2997 | 2997 | 2744 | 2744 | 2744 | 2438 |

On systems with troughing idler spacing greater than 1.5m. OR idler roll gap greater than 12.7mm, consult Goodyear.

GLIDE PLUS TROUGHABILITY (Minimum Belt Width) (mm.)

| | Glide Plus 400 | Glide 500 | Glide Plus 600 | Glide Plus 750 | Glide Plus 800 | Glide Plus 1000 | Glide Plus 1000 | Glide Plus 1250 | Glide Plus 1350 | Glide Plus 1800 |
|------------------|----------------|-----------|----------------|----------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| | 2 | 3 | 3 | 3 | 4 | 2 | 4 | 5 | 3 | 4 |
| 20 degree idlers | 457 | 610 | 610 | 610 | 762 | 610 | 762 | 914 | 762 | 914 |
| 35 degree idlers | 610 | 762 | 762 | 762 | 914 | 762 | 914 | 1067 | 914 | 1067 |
| 45 degree idlers | 762 | 914 | 914 | 914 | 1067 | 914 | 1067 | 1219 | 1067 | 1219 |

GLIDE PLUS MINIMUM PULLEY DIAMETERS (mm.)

| | Glide Plus 400 | Glide 500 | Glide Plus 600 | Glide Plus 750 | Glide Plus 800 | Glide Plus 1000 | Glide Plus 1000 | Glide Plus 1250 | Glide Plus 1350 | Glide Plus 1800 |
|--------------------|----------------|-----------|----------------|----------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| | 2 | 3 | 3 | 3 | 4 | 2 | 4 | 5 | 3 | 4 |
| Over 80% Tension | 559 | 508 | 610 | 610 | 762 | 914 | 914 | 1067 | 1067 | 1219 |
| 60% to 80% Tension | 457 | 457 | 508 | 508 | 610 | 762 | 762 | 914 | 914 | 1067 |
| 40% to 60% Tension | 406 | 406 | 457 | 508 | 508 | 610 | 610 | 762 | 914 | 1067 |
| Up to 40% Tension | 356 | 356 | 406 | 457 | 457 | 508 | 508 | 610 | 762 | 914 |
| Tails and Snubs | 356 | 356 | 406 | 457 | 457 | 508 | 508 | 610 | 762 | 914 |