

# think global

## THE GLOBAL EDGE

### ERGONOMICS IN THE OFFICE

- Full range of ergonomically designed workplace, healthcare and office furniture with competitive pricing and built-in value.

### STRENGTH AND STABILITY

- Established in 1966.
- One of North America's largest office furniture manufacturers.
- Manufacturing and showrooms worldwide.

### QUICK SHIP PROGRAM

- Global's Quick Ship program offers the most comprehensive product offering across Canada.
- While we offer many additional products in a wide array of styles and colors, many items will be available to ship to you in as little as ten days.

### STRONG LOCAL REPRESENTATION

- Service and expert advice where you are, when you need it!

### MANUFACTURING CAPABILITY

- Vertical integration ensures "start to finish" control.
- Ongoing research and investment in new, innovative production technology.

### QUALITY ASSURANCE

- The quality program is registered to ISO 9001.
- On-site furniture testing facility.
- Products and components are tested to meet or exceed ANSI/BIFMA standards.
- Products backed by Global's Limited Lifetime Warranty.

### ENVIRONMENTAL COMMITMENT

- Continuous development of "earth friendly" programs.
- One of the first molded foam manufacturers to create ozone-friendly, CFC and HFC-free processes.
- Many seat and back pans are made from recyclable plastics and wood waste, enabling little waste and cost effective products.

## SYMBOL IDENTIFICATION

Each seating product with an RTA code identifies the assembly requirements.

**RTA 00** FULLY ASSEMBLED

**RTA 1** SIMPLE ASSEMBLY (no tools required)

- Parts to install:
- casters
  - base
  - pneumatic cylinder/cover can

**RTA 2** MODEST ASSEMBLY (tools supplied, if necessary)

- Parts to install:
- casters
  - base
  - pneumatic cylinder/cover can
  - back

**RTA 4** MODERATE ASSEMBLY (tools supplied)

- Parts to install:
- casters
  - base
  - pneumatic cylinder/cover can
  - back
  - armrest

**RTA 8** FULL ASSEMBLY (tools supplied)

- Parts to install:
- casters
  - base
  - pneumatic cylinder/cover can
  - back
  - armrest
  - mechanism



All products with this designation are suitable for courier shipment throughout Canada.

# TABLE OF CONTENTS

## A

Academic Task .....	346
Accord (Global Accord).....	33
Arm selections .....	341
Arturo .....	20
Aspen .....	21
Auburn.....	22
Aurora.....	23

## B

Bakhita .....	112
Ballara .....	212
Beach.....	115
Beam Seating.....	116
Braden .....	222

## C

Calidon .....	225
Camino .....	226
Caprice .....	124
Caster selections.....	340
Chap .....	126
Citi .....	231
Citi Square.....	235
Comet.....	128
Concorde .....	24
Concorde Executive 24HR .....	323

## D

Diplomat.....	130
Drift .....	244
Duet.....	131
Duet Beam.....	121

## E

Echo.....	25
Enterprise.....	26
Erin .....	141

## F

Factor.....	28
Factor Multi-Purpose.....	142
File Buddy.....	143
Flap.....	144

## G

G1 Ergo Select.....	30
G1 Ergo Select TS .....	324
G20.....	32
Global Accord.....	33
Granada.....	36
Granada TS.....	319
Granada Deluxe.....	38
Granada Deluxe TS .....	319
Granada with Schukra Lumbar.....	41
Graphic.....	42

## I

Include.....	44
Industrial .....	347
Islands .....	146

## J

Jeo.....	255
----------	-----

## K

Kate .....	256
Key.....	147

## L

Layne.....	148
Lite.....	150
Locust.....	154
Loover.....	46
Luray.....	50

## M

Malaga .....	52
Malaga TS.....	320
Marche.....	155
Mayne .....	157
ML .....	257
ML Park .....	259
Moda .....	158

## N

Noetic.....	53
Novello.....	57

## O

ObusForme .....	60
ObusForme Comfort .....	61
ObusForme Comfort TS.....	321
ObusForme Comfort XL .....	326

## P

Popcorn.....	161
Popcorn Beam .....	122
Prairie.....	260
Prefer.....	64

## R

Rambler .....	261
Rebound .....	166
River .....	263
River+ .....	277
Robust .....	331
Roma .....	66
Roma Nester .....	170

## S

Sas.....	172
Saxon.....	332
Score .....	70
Sidero .....	174
Sidero Beam .....	123
Sirena .....	300
Solar.....	72
Solo .....	74
Sonic.....	178
Sonic Beam .....	120
Sora .....	76
Spritz Task .....	81
Spritz Multi-Purpose & Nesting.....	189
Spyker.....	192
Stream.....	78, 193
Supra .....	83
Supra-X.....	85
Synopsis .....	88

## T

Traditional .....	91
Tritek Ergo Select .....	93
Triumph.....	95
Truform .....	96
Truform TS.....	321
Twilight.....	200
Tye .....	99

## V

Venture.....	303
Vion .....	101
Vion Beam.....	119
Vion TS .....	333
Vitrola.....	306

## W

Wind Seating .....	308
Wind Tables .....	310
Wind Linear Seating .....	312
Wind Linear Tables .....	316

## Y

Yorkdale.....	108
Yorkdale TS .....	322

## Z

Zoma.....	210
-----------	-----

## REFERENCES / PROGRAMS

How to order seating .....	4
Seating by category type .....	5
Ergonomic features and benefits.....	15
Mechanism adjustments.....	16
Arm selections .....	341
Caster selections.....	340
Glide selections.....	341
Base selections .....	342
Cylinder selections.....	344
Industrial caster selections.....	356
COM/GPM authorization form .....	361
Specialty seating.....	345
Textiles and Finishes .....	357
Metal leg, frame + base finish chart.....	360
Terms and Conditions.....	362
Limited Lifetime Warranty .....	365
Index.....	366

# HOW TO ORDER SEATING



**2676-2**

MODEL NUMBER

+



**TC74**

FABRIC CODE

+



**AMF**

ALUMINUM BASE + MEMORY FOAM

+



**CX**

CASTERS

+



**VU19**

MESH CODE

+



**4L**

CYLINDER

## FABRIC CHAIR EXAMPLE

If there are any options for the chair they would be inserted between the model number and frame finish. For example (see above):

### 2676-2 TC74 AMF CX VU19 4L

This would be the Global Accord Mesh HB Knee-Tilter **2676-2**. The seat is upholstered in Terrace, Echo (**TC74**) with a mesh back in Vue, Coal Black (**VU19**). The chair has fixed arms, optional aluminum base + memory foam seat (**AMF**), dual wheel carpet casters (**CX**) and a 4" cylinder, low rise (**4L**).

## CHAIR SAFETY TIPS







### Common sense guidelines to ensure that your Global chair will provide many years of comfort and service in a safe and productive environment:

- Always read and follow assembly instructions. Make sure that all the pieces of your Global chair are installed in the proper order to ensure structural integrity.
- Ensure that chair casters are fully inserted into the base of the unit.
- Inspect your chair for loose or worn parts at least once a year.
- Always keep the base of your chair completely on the floor.
- Most Global chairs are equipped with casters for use on carpeted surfaces. Other flooring surfaces may require different casters.
- Speak to your Global sales representative or refer to the Arm, Caster and Base section (page 335) of this price book for appropriate custom selections.
- Many Global office chairs are equipped with tilt tension controls on the seating mechanism. The tension control compensates for different body weights and postures. Always ensure that the control is properly adjusted for a smooth and controlled tilt motion. Your Global sales representative can demonstrate the proper use of all the adjustments on your office chair.
- Do not stand on your Global chair or sit on the arms of your chair.
- Do not put electrical appliances on chairs. Even fire retardant fabrics can be damaged when exposed to direct heat or flame.
- Choose the right chair for your work environment. Global offers a full line of intensive use, multi-shift and specialized chairs for environments with demanding health or safety requirements. Your Global sales representative is trained to help you make the right choice for your workplace.



**WORK / TASK SEATING**

**Task**






	Aspen.....21		Luray.....50		Spritz.....81
	Aurora.....23		Noetic.....53		Spritz Multi-Purpose.....189
	Echo.....25		Novello.....57		Stream.....78
	Enterprise.....26		ObusForme.....60		Supra-X.....85
	Factor.....28		ObusForme Comfort.....61		Synopsis.....88
	G1 Ergo Select.....30		Prefer.....64		Tritek Ergo Select.....93
	G20.....32		Robust.....331		Triumph.....95
	Granada.....36		Roma.....66		Truform.....96
	Granada Deluxe.....38		Score.....70		Tye.....99
	Granada with Schukra Lumbar.....41		Solar.....72		Vion.....101
	Graphic.....42		Sonic.....178		Yorkdale.....108
	Loover.....46		Sora.....76		

# SEATING BY CATEGORY TYPE





## Conference / Management

	Accord (Global Accord).....33
	Arturo.....20
	Aurora.....23
	Enterprise.....26
	Global Accord.....33
	Graphic.....42
	Include.....44




	Kate.....256
	Luray.....50
	Novello.....57
	ObusForme Comfort.....61
	Prefer.....64
	Roma.....66
	Solar.....72

	Solo.....74
	Supra.....83
	Synopsis.....88
	Traditional.....91
	Tye.....99

## Executive

	Accord (Global Accord).....33
	Arturo.....20
	Auburn.....22
	Concorde.....24

	Global Accord.....33
	Include.....44
	Luray.....50
	ObusForme Comfort.....61

	Robust.....331
	Traditional.....91
	Triumph.....95

Height Adjustable Stools



Factor .....28



File Buddy.....143



Global Accord.....33



Granada.....36



Granada Deluxe .....38



Graphic.....43



Loover.....46



Noetic.....55



Novello.....58



Prefer.....64



Roma.....66



Solar.....72



Spritz.....191



Stream.....78



Supra-X .....85



Tritek Ergo Select.....93



Truform .....96


















Vion.....104

# SEATING BY CATEGORY TYPE





























## MULTI-PURPOSE SEATING

### Stacking

 Bakhita.....112	 Key.....147	 Rebound.....166	 Spyker.....192
 Comet.....128	 Locust.....154	 Sas.....172	 Stream.....193
 Duet.....131	 Moda.....159	 Sidero.....174	 Zoma.....210
 Flap.....144	 Popcorn.....161	 Sonic.....178	

### Guest (Metal)

 Aurora.....23	 Granada Deluxe.....38	 ObusForme Comfort....61	 Supra.....83
 Caprice.....124	 Kate.....256	 Rebound.....166	 Synopsis.....88
 Comet.....128	 Key.....147	 Sas.....172	 Twilight.....200
 Diplomat.....130	 Lite.....150	 Sidero.....174	 Tye.....99
 Enterprise.....26	 Locust.....154	 Solo.....74	 Vion.....204
 Erin.....141	 Marche.....155	 Sonic.....178	
 Factor.....142	 Moda.....158	 Stream.....193	



**Guest (Wood)**



Beach .....115



Chap .....126



Erin .....141



Islands .....146



Layne .....148



Mayne .....157



Traditional .....91



Twilight .....200

**Horizontal Nesting**



Roma Nester .....170



Spritz .....190

**Tandem / Beam / Pedestal**



Beam Seating .....116



Duet Beam .....121



Duet (pedestal) .....138



Global Accord (pedestal) .....34



Luray (pedestal) .....51



Novello (pedestal) .....58



Popcorn Beam .....122



Sidero Beam .....123



Sonic Beam .....120



Sonic (pedestal) .....188



Synopsis (pedestal) .....89


















Vion Beam .....119



Vion (pedestal) .....103

# SEATING BY CATEGORY TYPE

## Stools

	Bakhita.....113		Marche.....155		Sidero.....174
	Caprice.....124		ML.....257		Sonic.....178
	Diplomat.....130		Popcorn.....161		Stream.....193
	Duet.....131		Rebound.....166		Twilight.....200
	File Buddy.....143		Sas.....172		Vion.....204



## LOUNGE SEATING

	Ballara.....212		Jeo.....255		River+.....277
	Braden.....222		Kate.....256		Sirena.....300
	Calidon.....225		ML.....257		Venture.....303
	Camino.....226		ML Park.....259		Vitrola.....306
	Citi.....231		Prairie.....260		Wind/Wind Linear.....308
	Citi Square.....235		Rambler.....261		
	Drift.....244		River.....263		



**HEAVY DUTY / 24HR SEATING**



Concorde Executive 24HR.....323



G1 Ergo Select TS.....324



Granada TS .....319



Granada Deluxe TS.....319



Malaga TS.....320



ObusForme Comfort TS.....321



ObusForme Comfort XL.....326



Robust.....331



Saxon .....332



Truform TS.....321



Vion TS.....333



Yorkdale TS.....322



**SPECIALTY SEATING**



Academic Task.....346



Industrial - 50.....348



Industrial Wipe Down - 64.....353









Sidero (children's model) .....176




# SEATING BY CATEGORY TYPE







## EDUCATION







### Classroom Seating







	Academic Task.....346
	Duet.....131
	Flap.....144
	Graphic.....42
	Noetic.....53
	Novello.....57





	Moda.....159
	Popcorn.....161
	Rebound.....166
	Roma Nester.....170
	Sidero.....174
	Sonic.....178

	Spritz.....189
	Stream.....193
	Supra-X.....85
	Vion.....101















### Work + Task Seating

	Factor.....28
	Granada Deluxe.....38
	Graphic.....42
	Include.....44
	Loover.....46
	Novello.....57







	ObusForme Comfort.....61
	Prefer.....64
	Roma.....66
	Solar.....72
	Spritz.....81
	Stream.....78

	Supra-X.....85
	Tritek Ergo Select.....93
	Truform.....96
	Vion.....101













**Guest Seating**

 Beach .....115	 Flap.....144	 Sidero.....174
 Caprice .....124	 Islands.....146	 Sonic .....178
 Chap .....126	 Moda .....158	 Vion .....101
 Duet.....131	 Rebound.....166	 Zoma .....210
 Erin.....141	 Roma.....170	









**Lecture Hall Seating**

 Beam Seating.....116	 Popcorn Beam .....122	 Sonic Beam .....120
 Duet Beam .....121	 Sidero Beam.....123	 Vion Beam.....119

**Lab Seating + Stools**





 Caprice .....124	 Novello.....58	 Spritz .....191
 Duet.....131	 Rebound.....166	 Stream.....193
 Graphic.....43	 Sidero.....174	 Supra-X .....85
 Noetic.....55	 Sonic .....178	 Vion .....104





**Cafeteria Seating**

 Bakhita .....112	 Popcorn .....161	 Spyker .....192
 Duet.....131	 Rebound.....166	 Stream .....193
 Flap.....144	 Sonic .....178	

# SEATING BY CATEGORY TYPE






## Lounge Seating

	Ballara.....212
	Camino.....226
	Citi.....231
	Citi Square.....235


	Drift.....244
	ML Park.....259
	River.....263
	River+.....277

	Sirena.....300
	Venture.....303
	Wind/Wind Linear.....308

## Stacking + Nesting Chairs

	Bakhita.....112
	Duet.....131
	Flap.....144
	Moda.....159
	Popcorn.....161

	Rebound.....166
	Roma.....170
	Sidero.....174
	Sonic.....178
	Spritz.....190

	Spyker.....192
	Stream.....193
	Zoma.....210

EACH GLOBAL CHAIR IS BUILT WITH FEATURES THAT ARE ERGONOMICALLY DESIGNED TO PROMOTE GOOD POSTURE AND PROVIDE MAXIMUM COMFORT. WHILE FULLY SUPPORTING YOUR BODY, THESE FEATURES SHOULD ALSO ALLOW YOU TO ADJUST YOUR CHAIR TO FIT YOU.



## A TENSION ADJUSTMENT

Increase or decrease to match body weight. Allows you to rock comfortably, without heavy pushing, reducing muscle fatigue.



## B CHAIR TILT LOCK

Lock the tilt movement in position(s) to accommodate your working posture. Allows you to lock your chair in a comfortable and supportive position. (Can be either single position, multiple position or infinite position.)



## C SEAT HEIGHT

Raise or lower to allow your feet to rest flat on the floor. Avoids pressure under your thighs, easing blood flow.



## D BACK/LUMBAR HEIGHT ADJUSTMENT

Raise or lower to position lumbar support in your lumbar area. Reduces likelihood of back pain.



## E SEAT DEPTH

Change the depth of the seat to accommodate the length of your thighs. Keeps your back in contact with the backrest while avoiding pressure behind your knees. Can be sliding (MD) or manual.



## F SEAT ANGLE ADJUSTMENT

Allows chair to tilt forward changing the angle of your thighs in relation to the floor. Helps reduce disc pressure during forward leaning tasks.



## G BACK ANGLE ADJUSTMENT

Adjust to change the angle of your torso in relation to your thighs. Helps reduce disc pressure and relaxes your back muscles.



## H ARM HEIGHT

Raise or lower to support your forearms. Reduces muscular effort in neck and shoulders, minimizing risk of pain.



## J KNEE-TILT MOVEMENT

Chair tilt pivot point is toward the front of the seat. Stability is maintained as the user reclines, keeping their feet on the floor and maintaining the same torso to thigh angle.



## L SYNCHRO-TILT MOVEMENT

The seat pivots at the center point, while the backrest reclines at a faster rate than the seat, increasing the angle between the user's torso and thighs. Enhances comfort and encourages dynamic body movement.



## M WATERFALL SEAT EDGE

Reduces pressure at the back of your knees, contributing to good blood flow.



## N CONTOURED CUSHION

Supports the body effectively, allowing you to sit longer without discomfort.



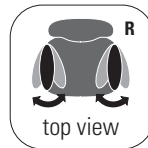
## P VIBRATING SEAT & BACK

Soothing effect contributes to your relaxation during work breaks.



## Q WIDTH ADJUSTABLE ARMS

Allows outward movement of armrests to match shoulder breadth. Ensures armrests properly support forearms, reducing muscular efforts in neck and shoulders.



## R ARM ROTATION

Rotate armcaps to support your forearms in various positions. Reduces muscular effort in neck and shoulders minimizing risk of pain.



## S CENTER TILT

Chair tilts at the center point of the seat allowing you to recline while maintaining the same torso to thigh angle. When your feet are well supported, blood flow is enhanced.



## U SOFT DESCENT PNEUMATIC LIFT

Gently and gradually lowering the seat helps you easily select proper seat height without causing a jerking motion.




## V LUMBAR DEPTH ADJUSTMENT

Increase or decrease curvature of the back to match the profile of your lower back. Enhances comfort and support in the lower lumbar area.

## MAXIMIZING YOUR ERGONOMIC SEATING

- Always select a chair that is designed for the type of work you perform and make certain the chair is comfortable for the length of time spent using it.
- Ensure that the seat and back cushions are contoured to fit your body, which will help eliminate pressure points.
- An ergonomically designed chair should allow changing positions easily.
- As you work, reposition yourself throughout the day to reduce strain and stress on specific muscle groups. If you change job functions, adjust your chair to fit the new task.
- Proper ergonomic seating should help eliminate many of the work related injuries that result from poor posture and poorly designed chairs.


**TASK**



**ADJUSTMENTS**

- (2) Pneumatic seat height
- (8) Manual seat depth
- Back/lumbar height \*\*
- Swivel

**POSTURE TASK**



**ADJUSTMENTS**

- (2) Pneumatic seat height
- (3) Back angle
- (6) Back/lumbar height \*\*
- Seat depth \*
- Swivel


**TILTER**



**ADJUSTMENTS**

- (1) Tilt tension
- (2) Pneumatic seat height
- (9) Multiple position tilt lock \*
- Center tilt action
- Swivel


**KNEE-TILTER**



**ADJUSTMENTS**

- (1) Tilt tension
- (2) Pneumatic seat height
- (9) Multiple position tilt lock \*
- Knee tilt action
- Swivel
- Optional sliding seat depth adjustment (MD)
- Anti kick back


**MULTI-TILTER**



**ADJUSTMENTS**

- (1) Tilt tension
- (2) Pneumatic seat height
- (3) Back angle adjustment
- (4) Seat angle
- (8) Sliding seat depth adjustment (MD)
- (9) Infinite position tilt lock
- Back/lumbar height \*\*
- Center tilt action
- Swivel


**SYNCHRO-TILTER**



**ADJUSTMENTS**

- (1) Tilt tension
- (2) Pneumatic seat height
- (3) Back angle adjustment \*
- (8) Sliding seat depth adjustment (MD)
- (9) Multiple position tilt lock/ synchro tilt action
- Anti kick back \*
- Back/lumbar height \*\*
- Swivel


**POSTURE-TILTER**



**ADJUSTMENTS**

- (1) Tilt tension
- (2) Pneumatic seat height
- (8) Sliding seat depth adjustment (MD)
- (9) Infinite position tilt lock
- Back/lumbar height \*\*
- Swivel


**FUNCTION-TILTER**



**ADJUSTMENTS**

- (1) Tilt tension
- (2) Pneumatic seat height
- (3) Back angle \*
- (9) Upright position tilt lock
- Back/lumbar height \*\*
- Swivel


**OPERATOR**



**ADJUSTMENTS**

- (2) Pneumatic seat height
- (3) Back angle \*(free float/lock)
- (4) Seat angle \*(free float/lock)
- Back/lumbar height \*\*
- With single lever operator mechanism, seat and back angle are controlled using lever 4 \*
- Swivel


**SYNCHRO KNEE-TILTER**



**ADJUSTMENTS**

- (1) Tilt tension
- (2) Pneumatic seat height
- (9) Multiple position tilt lock
- Back/lumbar height \*
- Synchro tilt action
- Anti kick back
- Knee tilt action
- Swivel

**SYNCHRO GLIDER**



**ADJUSTMENTS**

- (1) Tilt tension, dial
- (2) Pneumatic seat height
- (3) Back angle \*
- (8) Sliding seat depth adjustment (MD)
- (9) Multiple position tilt lock
- Back/lumbar height \*\*
- Swivel

- NOTES**
- \* Select models only.
  - \*\* Ratchet back height adjustment on select models.
  - Mechanisms shown are generic depictions and may differ from one chair to another.



GLOBAL FABRIC SAMPLE CARDS DISPLAY THE FOLLOWING ACT FABRIC PERFORMANCE SYMBOLS:

THE ASSOCIATION FOR CONTRACT TEXTILES (ACT) HAS DEVELOPED THE FOLLOWING PERFORMANCE GUIDELINES TO MAKE FABRIC SPECIFICATION EASIER. THE FIVE SYMBOLS GIVE ARCHITECTS, DESIGNERS AND END USERS A VAST AMOUNT OF PERFORMANCE INFORMATION IN A SUCCINCT, VISUAL WAY. THIS CHART LISTS THE REQUIRED TESTS THAT CORRESPOND TO SPECIFIC END USES. AN EXPLANATION OF THE SYMBOL ALSO APPEARS.

## FIRE RETARDANCY



Flammability testing determines a fabric's performance and resistance to burning.

### APPLICATION

Upholstery  
Panels and upholstered walls

### PASSES

California bulletin 117, section E.  
ASTM E 84-03 Class A or Class 1 (unadhered method).

## COLOR FASTNESS TO WET & DRY CROCKING



Color fastness to wet & dry crocking refers to the rubbing off of color from the fabric onto clothing, hands or other materials and can occur under wet or dry conditions.

### APPLICATION

Upholstery  
Panels and upholstered walls

### PASSES

AATCC 8-2001 Dry crocking. Class 4 minimum.  
Wet crocking, Class 3 minimum.  
AATCC 8-2001 E 84 (unadhered method).

## COLOR FASTNESS TO LIGHT



Color fastness to light is the degree to which fabric will retain its color when exposed to light.

### APPLICATION

Upholstery  
Panels and upholstered walls

### PASSES

AATCC option 2-2003 or AATCC - option 3-2003.  
Class 4 minimum of 40 hours.  
AATCC option 2-2003 or AATCC - option 3-2003.  
Class 4 minimum of 40 hours.

## PHYSICAL PROPERTIES



Three physical property tests include: 1 - Brush pill test to determine a fabric's pilling (the formation of fuzzy galls of fiber on the surface of a fabric). 2 - Breaking/tensile strength is the ability of a fabric to withstand tension without breaking or tearing. 3 - Seam slippage is the pulling apart of fabrics at the seams.

### APPLICATION

Upholstery  
Panels and upholstered walls

### PASSES

Brush pill ASTM D3511-02, 3 minimum.  
Breaking strength ASTM D5034-95 (2001) 50 lbs. minimum in warp & weft.  
Seam slippage ASTM D4034 25 lbs. minimum in warp & weft.  
Breaking strength ASTM D5034-95 (2001) (grab test).  
35 lbs. minimum in warp & weft.

## ABRASION



Abrasion is the ability of a fabric to withstand damage from wear and rubbing. There is a general contract specification as well as a heavy duty specification.

### APPLICATION

General contract upholstery  
Heavy duty upholstery

### PASSES

ASTM D4157-02 (#10 cotton duck) 15,000 double rubs, Wyzenbeek method.  
ASTM D4966-98 (12 KPA pressure) 20,000 double rubs, Martindale method.  
ASTM D4157-02 (#10 cotton duck) 30,000 double rubs, Wyzenbeek method.  
ASTM D4966-98 (12 KPA pressure) 40,000 double rubs, Martindale method.