

THE FLEXIBAR

SUMMARY HANDOUT

PROBLEM

DURING A WHEELCHAIR FOOTBALL GAME, PLAYERS NEED A PLACE TO PUT THE BALL AFTER THEY HAVE CAUGHT THE BALL TO AVOID LOSING POSSESSION OF THE BALL AS THEY ACCELERATE DOWN THE FIELD. CURRENTLY, PLAYERS ARE PUTTING THE BALL IN THEIR LAP, BUT THIS HAS NOT PROVEN TO BE AN ACCEPTABLE SOLUTION SINCE THE FOOTBALL HINDERS THE MOTION OF THE PLAYER DURING GAMES IN THIS POSITION AND OFTEN FALLS OFF DUE TO FORCES EXERTED ON THE BALL BY THE ACCELERATION AND THE MOVEMENT OF THE PLAYER DURING THIS PROCESS.

OUR SOLUTION : THE FLEXIBAR

THE FLEXIBAR CONSISTS OF A POLYURETHANE FOAM TUBE WRAPPED AROUND A SERIES OF RUBBER BARS FOR SUPPORT. THE HARD RUBBER GIVES RIGIDNESS TO THE BAR, WHICH GIVES THE BAR THE ABILITY TO CREATE A SPACE FOR THE FOOTBALL BY ITSELF WITHOUT THE NEED FOR THE USER TO ADJUST IT HIMSELF. ON THE ENDS ARE CUSTOM-MADE POLYCARBONATE SNAP CLAMPS THAT ENABLE THE USER TO QUICKLY AND EASILY ATTACH THE FLEXIBAR TO THE WHEELCHAIR.

KEY BENEFITS

THE FOLLOWING ARE KEY BENEFITS OF THE UNIQUE FLEXIBAR DESIGN:



INFINITELY ADAPTABLE

THE CLAMPS AND THE FLEXIBLE BAR BETWEEN THE TWO CLAMPS ALLOWS FOR AN INFINITE COMBINATION OF CONFIGURATIONS ON VIRTUALLY ANY WHEELCHAIR. THIS LETS THE USER PLACE THE FLEXIBAR IN THE POSITION THEY THINK IS BEST.



FLEXIBLE YET STURDY

HOLLOW, FIRM RUBBER BARS ARE STURDY ENOUGH TO PREVENT STRUCTURAL COLLAPSE AND CLASP THE FOOTBALL YET FLEXIBLE ENOUGH TO BE SAFE FOR BOTH THE USER AND PLAYERS AROUND HIM.



NON-SLIP GRIP

POLYURETHANE FOAM TUBE CAN BE ADJUSTED TO PROVIDE JUST THE RIGHT AMOUNT OF STRICTURE AROUND THE FOOTBALL SO THAT IT WILL NOT SLIP DURING INTENSE GAMEPLAY.



EASY TO USE

CUSTOM-MADE DURABLE POLYCARBONATE CLAMPS SNAP ON TIGHTLY AND QUICKLY WITHOUT THE NEED FOR TOOLS AROUND A WIDE RANGE OF WHEELCHAIR FRAME GAUGES.

WHEELCHAIR FRAME

