"泰爾茂 "哈得睿兒導引導管
"Terumo" Heartrail PTCA Guiding Catheter

使用前請務必詳閱原廠之使用說明書並遵照指示使用。

適應症
目的為導引介入性裝置或導線以注入顯影劑於冠狀動脈.

操作指示
1.禁忌症
● 勿使用油性顯影劑以防導管套蓋受損.
● 勿重複消毒或使用.
● 當導引導管扭曲時請勿過力扭轉，這可能會造成導管的損壞以致導管柄分離.

2.重要安全指示
警告
> * 緩慢謹慎於動脈內操作導管。若感到阻力或轉力無法適當地被傳送至導管之尖端，立即停止操作並於X光線下找出原因，否則可能導致血管損傷，導管斷裂或剝離發生而必需取出剝離之導管。
> * 當導管彎折或扭曲時，勿勿促地推進或置入導線於導管中，否則破裂之導管可能損傷導管。

小心
> * 確認導管之設計及尺寸適於操作及技術上之使用.
> * 於PTCA過程中適當地施以抗凝劑及血管擴張劑.
> * 勿使用有機溶劑.

3.合併症
PTCA可能產生之合併症,並不限於下列:

冠狀動脈阻塞 / 腦栓塞 / 插入部位感染及疼痛 / 行動障礙 / 冠狀動脈解離 / 不整脈 / 徐脈 / 低血壓 / 急性心肌梗塞 / 末梢血管阻塞 / 噁心嘔吐 / 死亡 / 不穩定狹心症 / 動脈穿孔 / 心室纖維懺動 / 動靜脈瘺管 / 冠狀動脈再狹窄 / 冠狀動脈損傷 / 動脈損傷 / 空氣栓塞 / 血腫 / 出血 / 由於長期擴張或抽搐而致之缺血 / 血管內之栓塞 / 動脈破裂.

4.注意事項
* 此產品之使用者必須是熟悉且受過良好PTCA技術訓練之醫師.
* 整個操作過程需於無菌下操作.

使用方法
1.準備導管
  1.1小心地由包裝中一同取出導引導管及卡紙板.
  1.2小心地由卡紙板取下導管.
  1.3由轉軸部以注入抗凝劑生理食鹽水之空針沖洗導引導管之內腔.
  小心：勿以吹風機或其他裝置加熱企圖重塑導管形狀以免損害導管.

2.置入導線於導管中
  2-1 由導管之末端置入以抗凝劑生理食鹽水浸泡之導線.

3.準備置入導管於血管中
  使用經皮切開之技術以適當尺寸之導引髓鞘將導管導入血管中.
  小心：此技術需施以適當地抗凝治療.

4.置入導管於血管中

4-1 經有導線之髓鞘置入導管於動脈內。

4-2 當導線到達欲治療之部位時將導線移除。

4-3 於X光線下導引導管到適當之部位。

警告

＊導管可能阻塞冠狀動脈, 需避免血流完全阻塞。

＊於注入顯影劑或藥物前確認導管無凹折或扭曲以防導管於高壓下破裂。

小心

＊小心地置入導線於導管中,以免導管之彎處傷及導線之尖端。

＊當注入顯影劑時,謹慎地監控注射壓力低於700 psi。

5.置入氣球擴張導管

5-1 小心地由導引導管置入備妥之氣球擴張導管。

小心

＊置入氣球導管時確認其尚未被擴張。

＊勿推進導管跨越擴張導管之末端, 以免傷及冠狀動脈。

＊若病兆近於冠狀動脈開口, 謹慎操作導管。

6.移除導引導管

當預定之程序完成時, 小心地由冠狀動脈口移除導管之尖端。

小心：謹慎地由彎曲有形狀之尖端推進導線以免導管損害。

注意事項

＊ 此產品以E.O.G.方式滅菌,且為單次使用，勿再次滅菌及重複使用。

＊ 當單包裝或產品破損或污染時，勿使用。

＊ 開封後立即使用且按該國之程序於用後銷毀。

儲存

避免暴露於水中，直接日曬，高溫及高濕度下。

Heartrail Item List

Curve	Size	Shape code	Side Hole	Fr.	Standard Type	Item Code RR Type (W)	B Type (B)
Judkins Left	3.0	JL-3.0		5	GC-H5JL300N	GC-H5JL300NW	GC-H5JL300NB
		JL-3.0		6	GC-H6JL300N	GC-H6JL300NW	GC-H6JL300NB
		JL-3.0		7	GC-H7JL300N	GC-H7JL300NW	GC-H7JL300NB
		JL-3.0		8	GC-H8JL300N	GC-H8JL300NW	GC-H8JL300NB
		JL-3.0(SH)	2	5	GC-H5JL300A	GC-H5JL300AW	GC-H5JL300AB
		JL-3.0(SH)	2	6	GC-H6JL300A	GC-H6JL300AW	GC-H6JL300AB
		JL-3.0(SH)	2	7	GC-H7JL300A	GC-H7JL300AW	GC-H7JL300AB
		JL-3.0(SH)	2	8	GC-H8JL300A	GC-H8JL300AW	GC-H8JL300AB
Judkins Left	3.5	JL-3.5		5	GC-H5JL350N	GC-H5JL350NW	GC-H5JL350NB
		JL-3.5		6	GC-H6JL350N	GC-H6JL350NW	GC-H6JL350NB
		JL-3.5		7	GC-H7JL350N	GC-H7JL350NW	GC-H7JL350NB
		JL-3.5		8	GC-H8JL350N	GC-H8JL350NW	GC-H8JL350NB
		JL-3.5(SH)	2	5	GC-H5JL350A	GC-H5JL350AW	GC-H5JL350AB

		JL-3.5(SH)	2	6	GC-H6JL350A	GC-H6JL350AW	GC-H6JL350AB
		JL-3.5(SH)	2	7	GC-H7JL350A	GC-H7JL350AW	GC-H7JL350AB
		JL-3.5(SH)	2	8	GC-H8JL350A	GC-H8JL350AW	GC-H8JL350AB
Judkins Left	4.0	JL-4.0		5	GC-H5JL400N	GC-H5JL400NW	GC-H5JL400NB
		JL-4.0		6	GC-H6JL400N	GC-H6JL400NW	GC-H6JL400NB
		JL-4.0		7	GC-H7JL400N	GC-H7JL400NW	GC-H7JL400NB
		JL-4.0		8	GC-H8JL400N	GC-H8JL400NW	GC-H8JL400NB
		JL-4.0(SH)	2	5	GC-H5JL400A	GC-H5JL400AW	GC-H5JL400AB
		JL-4.0(SH)	2	6	GC-H6JL400A	GC-H6JL400AW	GC-H6JL400AB
		JL-4.0(SH)	2	7	GC-H7JL400A	GC-H7JL400AW	GC-H7JL400AB
		JL-4.0(SH)	2	8	GC-H8JL400A	GC-H8JL400AW	GC-H8JL400AB
Judkins Left	4.5	JL-4.5		5	GC-H5JL450N	GC-H5JL450NW	GC-H5JL450NB
		JL-4.5		6	GC-H6JL450N	GC-H6JL450NW	GC-H6JL450NB
		JL-4.5		7	GC-H7JL450N	GC-H7JL450NW	GC-H7JL450NB
		JL-4.5		8	GC-H8JL450N	GC-H8JL450NW	GC-H8JL450NB
		JL-4.5(SH)	2	5	GC-H5JL450A	GC-H5JL450AW	GC-H5JL450AB
		JL-4.5(SH)	2	6	GC-H6JL450A	GC-H6JL450AW	GC-H6JL450AB
		JL-4.5(SH)	2	7	GC-H7JL450A	GC-H7JL450AW	GC-H7JL450AB
		JL-4.5(SH)	2	8	GC-H8JL450A	GC-H8JL450AW	GC-H8JL450AB
Judkins Left	5.0	JL-5.0		5	GC-H5JL500N	GC-H5JL500NW	GC-H5JL500NB
		JL-5.0		6	GC-H6JL500N	GC-H6JL500NW	GC-H6JL500NB
		JL-5.0		7	GC-H7JL500N	GC-H7JL500NW	GC-H7JL500NB
		JL-5.0		8	GC-H8JL500N	GC-H8JL500NW	GC-H8JL500NB
		JL-5.0(SH)	2	5	GC-H5JL500A	GC-H5JL500AW	GC-H5JL500AB
		JL-5.0(SH)	2	6	GC-H6JL500A	GC-H6JL500AW	GC-H6JL500AB
		JL-5.0(SH)	2	7	GC-H7JL500A	GC-H7JL500AW	GC-H7JL500AB
		JL-5.0(SH)	2	8	GC-H8JL500A	GC-H8JL500AW	GC-H8JL500AB
Judkins Left	3.0	SL-3.0		5	GC-H5SL300N	GC-H5SL300NW	GC-H5SL300NB
(Short Tip)		SL-3.0		6	GC-H6SL300N	GC-H6SL300NW	GC-H6SL300NB
		SL-3.0		7	GC-H7SL300N	GC-H7SL300NW	GC-H7SL300NB
		SL-3.0		8	GC-H8SL300N	GC-H8SL300NW	GC-H8SL300NB
		SL-3.0(SH)	2	5	GC-H5SL300A	GC-H5SL300AW	GC-H5SL300AB
		SL-3.0(SH)	2	6	GC-H6SL300A	GC-H6SL300AW	GC-H6SL300AB
		SL-3.0(SH)	2	7	GC-H7SL300A	GC-H7SL300AW	GC-H7SL300AB
		SL-3.0(SH)	2	8	GC-H8SL300A	GC-H8SL300AW	GC-H8SL300AB
Judkins Left	3.5	SL-3.5		5	GC-H5SL350N	GC-H5SL350NW	GC-H5SL350NB
(Short Tip)		SL-3.5		6	GC-H6SL350N	GC-H6SL350NW	GC-H6SL350NB
		SL-3.5		7	GC-H7SL350N	GC-H7SL350NW	GC-H7SL350NB
		SL-3.5		8	GC-H8SL350N	GC-H8SL350NW	GC-H8SL350NB
		SL-3.5(SH)	2	5	GC-H5SL350A	GC-H5SL350AW	GC-H5SL350AB
		SL-3.5(SH)	2	6	GC-H6SL350A	GC-H6SL350AW	GC-H6SL350AB
		SL-3.5(SH)	2	7	GC-H7SL350A	GC-H7SL350AW	GC-H7SL350AB
		SL-3.5(SH)	2	8	GC-H8SL350A	GC-H8SL350AW	GC-H8SL350AB
Judkins Left	4.0	SL-4.0		5	GC-H5SL400N	GC-H5SL400NW	GC-H5SL400NB

(Short Tip)		SL-4.0		6	GC-H6SL400N	GC-H6SL400NW	GC-H6SL400NB
		SL-4.0		7	GC-H7SL400N	GC-H7SL400NW	GC-H7SL400NB
		SL-4.0		8	GC-H8SL400N	GC-H8SL400NW	GC-H8SL400NB
		SL-4.0(SH)	2	5	GC-H5SL400A	GC-H5SL400AW	GC-H5SL400AB
		SL-4.0(SH)	2	6	GC-H6SL400A	GC-H6SL400AW	GC-H6SL400AB
		SL-4.0(SH)	2	7	GC-H7SL400A	GC-H7SL400AW	GC-H7SL400AB
		SL-4.0(SH)	2	8	GC-H8SL400A	GC-H8SL400AW	GC-H8JS400AB
Judkins Left	4.5	SL-4.5		5	GC-H5SL450N	GC-H5SL450NW	GC-H5SL450NB
(Short Tip)		SL-4.5		6	GC-H6SL450N	GC-H6SL450NW	GC-H6SL450NB
		SL-4.5		7	GC-H7SL450N	GC-H7SL450NW	GC-H7SL450NB
		SL-4.5		8	GC-H8SL450N	GC-H8SL450NW	GC-H8SL450NB
		SL-4.5(SH)	2	5	GC-H5SL450A	GC-H5SL450AW	GC-H5SL450AB
		SL-4.5(SH)	2	6	GC-H6SL450A	GC-H6SL450AW	GC-H6SL450AB
		SL-4.5(SH)	2	7	GC-H7SL450A	GC-H7SL450AW	GC-H7SL450AB
		SL-4.5(SH)	2	8	GC-H8SL450A	GC-H8SL450AW	GC-H8SL450AB
Judkins Left	5.0	SL-5.0		5	GC-H5SL500N	GC-H5SL500NW	GC-H5SL500NB
(Short Tip)		SL-5.0		6	GC-H6SL500N	GC-H6SL500NW	GC-H6SL500NB
		SL-5.0		7	GC-H7SL500N	GC-H7SL500NW	GC-H7SL500NB
		SL-5.0		8	GC-H8SL500N	GC-H8SL500NW	GC-H8SL500NB
		SL-5.0(SH)	2	5	GC-H5SL500A	GC-H5SL500AW	GC-H5SL500AB
		SL-5.0(SH)	2	6	GC-H6SL500A	GC-H6SL500AW	GC-H6SL500AB
		SL-5.0(SH)	2	7	GC-H7SL500A	GC-H7SL500AW	GC-H7SL500AB
		SL-5.0(SH)	2	8	GC-H8SL500A	GC-H8SL500AW	GC-H8SL500AB
JudkinsRight	3.0	JR-3.0		5	GC-H5JR300N	GC-H5JR300NW	GC-H5JR300NB
		JR-3.0		6	GC-H6JR300N	GC-H6JR300NW	GC-H6JR300NB
		JR-3.0		7	GC-H7JR300N	GC-H7JR300NW	GC-H7JR300NB
		JR-3.0		8	GC-H8JR300N	GC-H8JR300NW	GC-H8JR300NB
		JR-3.0(SH)	2	5	GC-H5JR300A	GC-H5JR300AW	GC-H5JR300AB
		JR-3.0(SH)	2	6	GC-H6JR300A	GC-H6JR300AW	GC-H6JR300AB
		JR-3.0(SH)	2	7	GC-H7JR300A	GC-H7JR300AW	GC-H7JR300AB
		JR-3.0(SH)	2	8	GC-H8JR300A	GC-H8JR300AW	GC-H8JR300AB
JudkinsRight	3.5	JR-3.5		5	GC-H5JR350N	GC-H5JR350NW	GC-H5JR350NB
		JR-3.5		6	GC-H6JR350N	GC-H6JR350NW	GC-H6JR350NB
		JR-3.5		7	GC-H7JR350N	GC-H7JR350NW	GC-H7JR350NB
		JR-3.5		8	GC-H8JR350N	GC-H8JR350NW	GC-H8JR350NB
		JR-3.5(SH)	2	5	GC-H5JR350A	GC-H5JR350AW	GC-H5JR350AB
		JR-3.5(SH)	2	6	GC-H6JR350A	GC-H6JR350AW	GC-H6JR350AB
		JR-3.5(SH)	2	7	GC-H7JR350A	GC-H7JR350AW	GC-H7JR350AB
		JR-3.5(SH)	2	8	GC-H8JR350A	GC-H8JR350AW	GC-H8JR350AB
JudkinsRight	4.0	JR-4.0		5	GC-H5JR400N	GC-H5JR400NW	GC-H5JR400NB
		JR-4.0		6	GC-H6JR400N	GC-H6JR400NW	GC-H6JR400NB
		JR-4.0		7	GC-H7JR400N	GC-H7JR400NW	GC-H7JR400NB
		JR-4.0		8	GC-H8JR400N	GC-H8JR400NW	GC-H8JR400NB

		JR-4.0(SH)	2	5	GC-H5JR400A	GC-H5JR400AW	GC-H5JR400AB
		JR-4.0(SH)	2	6	GC-H6JR400A	GC-H6JR400AW	GC-H6JR400AB
		JR-4.0(SH)	2	7	GC-H7JR400A	GC-H7JR400AW	GC-H7JR400AB
		JR-4.0(SH)	2	8	GC-H8JR400A	GC-H8JR400AW	GC-H8JR400AB
JudkinsRight	4.5	JR-4.5		5	GC-H5JR450N	GC-H5JR450NW	GC-H5JR450NB
		JR-4.5		6	GC-H6JR450N	GC-H6JR450NW	GC-H6JR450NB
		JR-4.5		7	GC-H7JR450N	GC-H7JR450NW	GC-H7JR450NB
		JR-4.5		8	GC-H8JR450N	GC-H8JR450NW	GC-H8JR450NB
		JR-4.5(SH)	2	5	GC-H5JR450A	GC-H5JR450AW	GC-H5JR450AB
		JR-4.5(SH)	2	6	GC-H6JR450A	GC-H6JR450AW	GC-H6JR450AB
		JR-4.5(SH)	2	7	GC-H7JR450A	GC-H7JR450AW	GC-H7JR450AB
		JR-4.5(SH)	2	8	GC-H8JR450A	GC-H8JR450AW	GC-H8JR450AB
JudkinsRight	5.0	JR-5.0		5	GC-H5JR500N	GC-H5JR500NW	GC-H5JR500NB
		JR-5.0		6	GC-H6JR500N	GC-H6JR500NW	GC-H6JR500NB
		JR-5.0		7	GC-H7JR500N	GC-H7JR500NW	GC-H7JR500NB
		JR-5.0		8	GC-H8JR500N	GC-H8JR500NW	GC-H8JR500NB
		JR-5.0(SH)	2	5	GC-H5JR500A	GC-H5JR500AW	GC-H5JR500AB
		JR-5.0(SH)	2	6	GC-H6JR500A	GC-H6JR500AW	GC-H6JR500AB
		JR-5.0(SH)	2	7	GC-H7JR500A	GC-H7JR500AW	GC-H7JR500AB
		JR-5.0(SH)	2	8	GC-H8JR500A	GC-H8JR500AW	GC-H8JR500AB
Amplatz Left	0.75	AL-0.75		5	GC-H5AL0G0N	GC-H5AL0G0NW	GC-H5AL0G0NB
		AL-0.75		6	GC-H6AL0G0N	GC-H6AL0G0NW	GC-H6AL0G0NB
		AL-0.75		7	GC-H7AL0G0N	GC-H7AL0G0NW	GC-H7AL0G0NB
		AL-0.75		8	GC-H8AL0G0N	GC-H8AL0G0NW	GC-H8AL0G0NB
		AL-0.75(SH)	2	5	GC-H5AL0G0A	GC-H5AL0G0AW	GC-H5AL0G0AB
		AL-0.75(SH)	2	6	GC-H6AL0G0A	GC-H6AL0G0AW	GC-H6AL0G0AB
		AL-0.75(SH)	2	7	GC-H7AL0G0A	GC-H7AL0G0AW	GC-H7AL0G0AB
		AL-0.75(SH)	2	8	GC-H8AL0G0A	GC-H8AL0G0AW	GC-H8AL0G0AB
Amplatz Left	1.0	AL-1		5	GC-H5AL010N	GC-H5AL010NW	GC-H5AL010NB
		AL-1		6	GC-H6AL010N	GC-H6AL010NW	GC-H6AL010NB
		AL-1		7	GC-H7AL010N	GC-H7AL010NW	GC-H7AL010NB
		AL-1		8	GC-H8AL010N	GC-H8AL010NW	GC-H8AL010NB
		AL-1(SH)	2	5	GC-H5AL010A	GC-H5AL010AW	GC-H5AL010AB
		AL-1(SH)	2	6	GC-H6AL010A	GC-H6AL010AW	GC-H6AL010AB
		AL-1(SH)	2	7	GC-H7AL010A	GC-H7AL010AW	GC-H7AL010AB
		AL-1(SH)	2	8	GC-H8AL010A	GC-H8AL010AW	GC-H8AL010AB
Amplatz Left (Short Tip)	1.0	AL-1S		5	GC-H5AL1S0N	GC-H5AL1S0NW	GC-H5AL1S0NB
		AL-1S		6	GC-H6AL1S0N	GC-H6AL1S0NW	GC-H6AL1S0NB
		AL-1S		7	GC-H7AL1S0N	GC-H7AL1S0NW	GC-H7AL1S0NB
		AL-1S		8	GC-H8AL1S0N	GC-H8AL1S0NW	GC-H8AL1S0NB
		AL-1S(SH)	2	5	GC-H5AL1S0A	GC-H5AL1S0AW	GC-H5AL1S0AB
		AL-1S(SH)	2	6	GC-H6AL1S0A	GC-H6AL1S0AW	GC-H6AL1S0AB
		AL-1S(SH)	2	7	GC-H7AL1S0A	GC-H7AL1S0AW	GC-H7AL1S0AB
		AL-1S(SH)	2	8	GC-H8AL1S0A	GC-H8AL1S0AW	GC-H8AL1S0AB

Amplatz Left	2.0	AL-2		5	GC-H5AL020N	GC-H5AL020NW	GC-H5AL020NB
		AL-2		6	GC-H6AL020N	GC-H6AL020NW	GC-H6AL020NB
		AL-2		7	GC-H7AL020N	GC-H7AL020NW	GC-H7AL020NB
		AL-2		8	GC-H8AL020N	GC-H8AL020NW	GC-H8AL020NB
		AL-2(SH)	2	5	GC-H5AL020A	GC-H5AL020AW	GC-H5AL020AB
		AL-2(SH)	2	6	GC-H6AL020A	GC-H6AL020AW	GC-H6AL020AB
		AL-2(SH)	2	7	GC-H7AL020A	GC-H7AL020AW	GC-H7AL020AB
		AL-2(SH)	2	8	GC-H8AL020A	GC-H8AL020AW	GC-H8AL020AB
Backup Left	2.5	BL-2.5		5	GC-H5BL250N	GC-H5BL250NW	GC-H5BL250NB
		BL-2.5		6	GC-H6BL250N	GC-H6BL250NW	GC-H6BL250NB
		BL-2.5		7	GC-H7BL250N	GC-H7BL250NW	GC-H7BL250NB
		BL-2.5		8	GC-H8BL250N	GC-H8BL250NW	GC-H8BL250NB
		BL-2.5(SH)	2	5	GC-H5BL250A	GC-H5BL250AW	GC-H5BL250AB
		BL-2.5(SH)	2	6	GC-H6BL250A	GC-H6BL250AW	GC-H6BL250AB
		BL-2.5(SH)	2	7	GC-H7BL250A	GC-H7BL250AW	GC-H7BL250AB
		BL-2.5(SH)	2	8	GC-H8BL250A	GC-H8BL250AW	GC-H8BL250AB
Backup Left	3.0	BL-3.0		5	GC-H5BL300N	GC-H5BL300NW	GC-H5BL300NB
		BL-3.0		6	GC-H6BL300N	GC-H6BL300NW	GC-H6BL300NB
		BL-3.0		7	GC-H7BL300N	GC-H7BL300NW	GC-H7BL300NB
		BL-3.0		8	GC-H8BL300N	GC-H8BL300NW	GC-H8BL300NB
		BL-3.0(SH)	2	5	GC-H5BL300A	GC-H5BL300AW	GC-H5BL300AB
		BL-3.0(SH)	2	6	GC-H6BL300A	GC-H6BL300AW	GC-H6BL300AB
		BL-3.0(SH)	2	7	GC-H7BL300A	GC-H7BL300AW	GC-H7BL300AB
		BL-3.0(SH)	2	8	GC-H8BL300A	GC-H8BL300AW	GC-H8BL300AB
Backup Left	3.5	BL-3.5		5	GC-H5BL350N	GC-H5BL350NW	GC-H5BL350NB
		BL-3.5		6	GC-H6BL350N	GC-H6BL350NW	GC-H6BL350NB
		BL-3.5		7	GC-H7BL350N	GC-H7BL350NW	GC-H7BL350NB
		BL-3.5		8	GC-H8BL350N	GC-H8BL350NW	GC-H8BL350NB
		BL-3.5(SH)	2	5	GC-H5BL350A	GC-H5BL350AW	GC-H5BL350AB
		BL-3.5(SH)	2	6	GC-H6BL350A	GC-H6BL350AW	GC-H6BL350AB
		BL-3.5(SH)	2	7	GC-H7BL350A	GC-H7BL350AW	GC-H7BL350AB
		BL-3.5(SH)	2	8	GC-H8BL350A	GC-H8BL350AW	GC-H8BL350AB
Backup Left	4.0	BL-4.0		5	GC-H5BL400N	GC-H5BL400NW	GC-H5BL400NB
		BL-4.0		6	GC-H6BL400N	GC-H6BL400NW	GC-H6BL400NB
		BL-4.0		7	GC-H7BL400N	GC-H7BL400NW	GC-H7BL400NB
		BL-4.0		8	GC-H8BL400N	GC-H8BL400NW	GC-H8BL400NB
		BL-4.0(SH)	2	5	GC-H5BL400A	GC-H5BL400AW	GC-H5BL400AB
		BL-4.0(SH)	2	6	GC-H6BL400A	GC-H6BL400AW	GC-H6BL400AB
		BL-4.0(SH)	2	7	GC-H7BL400A	GC-H7BL400AW	GC-H7BL400AB
		BL-4.0(SH)	2	8	GC-H8BL400A	GC-H8BL400AW	GC-H8BL400AB
Backup Left	4.5	BL-4.5		5	GC-H5BL450N	GC-H5BL450NW	GC-H5BL450NB
		BL-4.5		6	GC-H6BL450N	GC-H6BL450NW	GC-H6BL450NB
		BL-4.5		7	GC-H7BL450N	GC-H7BL450NW	GC-H7BL450NB
		BL-4.5		8	GC-H8BL450N	GC-H8BL450NW	GC-H8BL450NB

		BL-4.5(SH)	2	5	GC-H5BL450A	GC-H5BL450AW	GC-H5BL450AB
		BL-4.5(SH)	2	6	GC-H6BL450A	GC-H6BL450AW	GC-H6BL450AB
		BL-4.5(SH)	2	7	GC-H7BL450A	GC-H7BL450AW	GC-H7BL450AB
		BL-4.5(SH)	2	8	GC-H8BL450A	GC-H8BL450AW	GC-H8BL450AB
Backup Left	5.0	BL-5.0		5	GC-H5BL500N	GC-H5BL500NW	GC-H5BL500NB
		BL-5.0		6	GC-H6BL500N	GC-H6BL500NW	GC-H6BL500NB
		BL-5.0		7	GC-H7BL500N	GC-H7BL500NW	GC-H7BL500NB
		BL-5.0		8	GC-H8BL500N	GC-H8BL500NW	GC-H8BL500NB
		BL-5.0(SH)	2	5	GC-H5BL500A	GC-H5BL500AW	GC-H5BL500AB
		BL-5.0(SH)	2	6	GC-H6BL500A	GC-H6BL500AW	GC-H6BL500AB
		BL-5.0(SH)	2	7	GC-H7BL500A	GC-H7BL500AW	GC-H7BL500AB
		BL-5.0(SH)	2	8	GC-H8BL500A	GC-H8BL500AW	GC-H8BL500AB
Q-Curve	3.5	QL-3.5		5	GC-H5QL350N	GC-H5QL350NW	GC-H5QL350NB
		QL-3.5		6	GC-H6QL350N	GC-H6QL350NW	GC-H6QL350NB
		QL-3.5		7	GC-H7QL350N	GC-H7QL350NW	GC-H7QL350NB
		QL-3.5		8	GC-H8QL350N	GC-H8QL350NW	GC-H8QL350NB
		QL-3.5(SH)	2	5	GC-H5QL350A	GC-H5QL350AW	GC-H5QL350AB
		QL-3.5(SH)	2	6	GC-H6QL350A	GC-H6QL350AW	GC-H6QL350AB
		QL-3.5(SH)	2	7	GC-H7QL350A	GC-H7QL350AW	GC-H7QL350AB
		QL-3.5(SH)	2	8	GC-H8QL350A	GC-H8QL350AW	GC-H8QL350AB
Q-Curve	4.0	QL-4.0		5	GC-H5QL400N	GC-H5QL400NW	GC-H5QL400NB
		QL-4.0		6	GC-H6QL400N	GC-H6QL400NW	GC-H6QL400NB
		QL-4.0		7	GC-H7QL400N	GC-H7QL400NW	GC-H7QL400NB
		QL-4.0		8	GC-H8QL400N	GC-H8QL400NW	GC-H8QL400NB
		QL-4.0(SH)	2	5	GC-H5QL400A	GC-H5QL400AW	GC-H5QL400AB
		QL-4.0(SH)	2	6	GC-H6QL400A	GC-H6QL400AW	GC-H6QL400AB
		QL-4.0(SH)	2	7	GC-H7QL400A	GC-H7QL400AW	GC-H7QL400AB
		QL-4.0(SH)	2	8	GC-H8QL400A	GC-H8QL400AW	GC-H8QL400AB
Multipurpose	L	MP-L		5	GC-H5MP030N	GC-H5MP030NW	GC-H5MP030NB
		MP-L		6	GC-H6MP030N	GC-H6MP030NW	GC-H6MP030NB
		MP-L		7	GC-H7MP030N	GC-H7MP030NW	GC-H7MP030NB
		MP-L		8	GC-H8MP030N	GC-H8MP030NW	GC-H8MP030NB
		MP-L(SH)	2	5	GC-H5MP030A	GC-H5MP030AW	GC-H5MP030AB
		MP-L(SH)	2	6	GC-H6MP030A	GC-H6MP030AW	GC-H6MP030AB
		MP-L(SH)	2	7	GC-H7MP030A	GC-H7MP030AW	GC-H7MP030AB
		MP-L(SH)	2	8	GC-H8MP030A	GC-H8MP030AW	GC-H8MP030AB
Multipurpose	M	MP-M		5	GC-H5MP020N	GC-H5MP020NW	GC-H5MP020NB
		MP-M		6	GC-H6MP020N	GC-H6MP020NW	GC-H6MP020NB
		MP-M		7	GC-H7MP020N	GC-H7MP020NW	GC-H7MP020NB
		MP-M		8	GC-H8MP020N	GC-H8MP020NW	GC-H8MP020NB
		MP-M(SH)	2	5	GC-H5MP020A	GC-H5MP020AW	GC-H5MP020AB
		MP-M(SH)	2	6	GC-H6MP020A	GC-H6MP020AW	GC-H6MP020AB
		MP-M(SH)	2	7	GC-H7MP020A	GC-H7MP020AW	GC-H7MP020AB
		MP-M(SH)	2	8	GC-H8MP020A	GC-H8MP020AW	GC-H8MP020AB

Multipurpose	S	MP-S		5	GC-H5MP010N	GC-H5MP010NW	GC-H5MP010NB
		MP-S		6	GC-H6MP010N	GC-H6MP010NW	GC-H6MP010NB
		MP-S		7	GC-H7MP010N	GC-H7MP010NW	GC-H7MP010NB
		MP-S		8	GC-H8MP010N	GC-H8MP010NW	GC-H8MP010NB
		MP-S(SH)	2	5	GC-H5MP010A	GC-H5MP010AW	GC-H5MP010AB
		MP-S(SH)	2	6	GC-H6MP010A	GC-H6MP010AW	GC-H6MP010AB
		MP-S(SH)	2	7	GC-H7MP010A	GC-H7MP010AW	GC-H7MP010AB
		MP-S(SH)	2	8	GC-H8MP010A	GC-H8MP010AW	GC-H8MP010AB
Ikari-Curve Right	1.0	IR-1.0		5	GC-H5IR100N	GC-H5IR100NW	GC-H5IR100NB
		IR-1.0		6	GC-H6IR100N	GC-H6IR100NW	GC-H6IR100NB
		IR-1.0		7	GC-H7IR100N	GC-H7IR100NW	GC-H7IR100NB
		IR-1.0		8	GC-H8IR100N	GC-H8IR100NW	GC-H8IR100NB
		IR-1.0(SH)	2	5	GC-H5IR100A	GC-H5IR100AW	GC-H5IR100AB
		IR-1.0(SH)	2	6	GC-H6IR100A	GC-H6IR100AW	GC-H6IR100AB
		IR-1.0(SH)	2	7	GC-H7IR100A	GC-H7IR100AW	GC-H7IR100AB
		IR-1.0(SH)	2	8	GC-H8IR100A	GC-H8IR100AW	GC-H8IR100AB
Ikari-Curve Right	1.5	IR-1.5		5	GC-H5IR150N	GC-H5IR150NW	GC-H5IR150NB
		IR-1.5		6	GC-H6IR150N	GC-H6IR150NW	GC-H6IR150NB
		IR-1.5		7	GC-H7IR150N	GC-H7IR150NW	GC-H7IR150NB
		IR-1.5		8	GC-H8IR150N	GC-H8IR150NW	GC-H8IR150NB
		IR-1.5(SH)	2	5	GC-H5IR150A	GC-H5IR150AW	GC-H5IR150AB
		IR-1.5(SH)	2	6	GC-H6IR150A	GC-H6IR150AW	GC-H6IR150AB
		IR-1.5(SH)	2	7	GC-H7IR150A	GC-H7IR150AW	GC-H7IR150AB
		IR-1.5(SH)	2	8	GC-H8IR150A	GC-H8IR150AW	GC-H8IR150AB
Ikari-Curve Right	2.0	IR-2.0		5	GC-H5IR200N	GC-H5IR200NW	GC-H5IR200NB
		IR-2.0		6	GC-H6IR200N	GC-H6IR200NW	GC-H6IR200NB
		IR-2.0		7	GC-H7IR200N	GC-H7IR200NW	GC-H7IR200NB
		IR-2.0		8	GC-H8IR200N	GC-H8IR200NW	GC-H8IR200NB
		IR-2.0(SH)	2	5	GC-H5IR200A	GC-H5IR200AW	GC-H5IR200AB
		IR-2.0(SH)	2	6	GC-H6IR200A	GC-H6IR200AW	GC-H6IR200AB
		IR-2.0(SH)	2	7	GC-H7IR200A	GC-H7IR200AW	GC-H7IR200AB
		IR-2.0(SH)	2	8	GC-H8IR200A	GC-H8IR200AW	GC-H8IR200AB
Ikari-Curve Right	2.5	IR-2.5		5	GC-H5IR250N	GC-H5IR250NW	GC-H5IR250NB
		IR-2.5		6	GC-H6IR250N	GC-H6IR250NW	GC-H6IR250NB
		IR-2.5		7	GC-H7IR250N	GC-H7IR250NW	GC-H7IR250NB
		IR-2.5		8	GC-H8IR250N	GC-H8IR250NW	GC-H8IR250NB
		IR-2.5(SH)	2	5	GC-H5IR250A	GC-H5IR250AW	GC-H5IR250AB
		IR-2.5(SH)	2	6	GC-H6IR250A	GC-H6IR250AW	GC-H6IR250AB
		IR-2.5(SH)	2	7	GC-H7IR250A	GC-H7IR250AW	GC-H7IR250AB
		IR-2.5(SH)	2	8	GC-H8IR250A	GC-H8IR250AW	GC-H8IR250AB
Ikari-Curve Left	3.5	IL-3.5		5	GC-H5IL350N	GC-H5IL350NW	GC-H5IL350NB
		IL-3.5		6	GC-H6IL350N	GC-H6IL350NW	GC-H6IL350NB
		IL-3.5		7	GC-H7IL350N	GC-H7IL350NW	GC-H7IL350NB
		IL-3.5		8	GC-H8IL350N	GC-H8IL350NW	GC-H8IL350NB

		IL-3.5(SH)	2	5	GC-H5IL350A	GC-H5IL350AW	GC-H5IL350AB
		IL-3.5(SH)	2	6	GC-H6IL350A	GC-H6IL350AW	GC-H6IL350AB
		IL-3.5(SH)	2	7	GC-H7IL350A	GC-H7IL350AW	GC-H7IL350AB
		IL-3.5(SH)	2	8	GC-H8IL350A	GC-H8IL350AW	GC-H8IL350AB
Ikari-Curve Left	4.0	IL-4.0		5	GC-H5IL400N	GC-H5IL400NW	GC-H5IL400NB
		IL-4.0		6	GC-H6IL400N	GC-H6IL400NW	GC-H6IL400NB
		IL-4.0		7	GC-H7IL400N	GC-H7IL400NW	GC-H7IL400NB
		IL-4.0		8	GC-H8IL400N	GC-H8IL400NW	GC-H8IL400NB
		IL-4.0(SH)	2	5	GC-H5IL400A	GC-H5IL400AW	GC-H5IL400AB
		IL-4.0(SH)	2	6	GC-H6IL400A	GC-H6IL400AW	GC-H6IL400AB
		IL-4.0(SH)	2	7	GC-H7IL400A	GC-H7IL400AW	GC-H7IL400AB
		IL-4.0(SH)	2	8	GC-H8IL400A	GC-H8IL400AW	GC-H8IL400AB
Ikari-Curve Left	4.5	IL-4.5		5	GC-H5IL450N	GC-H5IL450NW	GC-H5IL450NB
		IL-4.5		6	GC-H6IL450N	GC-H6IL450NW	GC-H6IL450NB
		IL-4.5		7	GC-H7IL450N	GC-H7IL450NW	GC-H7IL450NB
		IL-4.5		8	GC-H8IL450N	GC-H8IL450NW	GC-H8IL450NB
		IL-4.5(SH)	2	5	GC-H5IL450A	GC-H5IL450AW	GC-H5IL450AB
		IL-4.5(SH)	2	6	GC-H6IL450A	GC-H6IL450AW	GC-H6IL450AB
		IL-4.5(SH)	2	7	GC-H7IL450A	GC-H7IL450AW	GC-H7IL450AB
		IL-4.5(SH)	2	8	GC-H8IL450A	GC-H8IL450AW	GC-H8IL450AB
Ikari-Curve Left	5.0	IL-5.0		5	GC-H5IL500N	GC-H5IL500NW	GC-H5IL500NB
		IL-5.0		6	GC-H6IL500N	GC-H6IL500NW	GC-H6IL500NB
		IL-5.0		7	GC-H7IL500N	GC-H7IL500NW	GC-H7IL500NB
		IL-5.0		8	GC-H8IL500N	GC-H8IL500NW	GC-H8IL500NB
		IL-5.0(SH)	2	5	GC-H5IL500A	GC-H5IL500AW	GC-H5IL500AB
		IL-5.0(SH)	2	6	GC-H6IL500A	GC-H6IL500AW	GC-H6IL500AB
		IL-5.0(SH)	2	7	GC-H7IL500A	GC-H7IL500AW	GC-H7IL500AB
		IL-5.0(SH)	2	8	GC-H8IL500A	GC-H8IL500AW	GC-H8IL500AB
IMA-1	1.0	IMA-1.0		5	GC-H5IMA10N	GC-H5IMA10NW	GC-H5IMA10NB
		IMA-1.0		6	GC-H6IMA10N	GC-H6IMA10NW	GC-H6IMA10NB
		IMA-1.0		7	GC-H7IMA10N	GC-H7IMA10NW	GC-H7IMA10NB
		IMA-1.0		8	GC-H8IMA10N	GC-H8IMA10NW	GC-H8IMA10NB
		IMA-1.0(SH)	2	5	GC-H5IMA10A	GC-H5IMA10AW	GC-H5IMA10AB
		IMA-1.0(SH)	2	6	GC-H6IMA10A	GC-H6IMA10AW	GC-H6IMA10AB
		IMA-1.0(SH)	2	7	GC-H7IMA10A	GC-H7IMA10AW	GC-H7IMA10AB
		IMA-1.0(SH)	2	8	GC-H8IMA10A	GC-H8IMA10AW	GC-H8IMA10AB
Judkins Left Modified	3.0	FL-3.0		5	GC-H5FL300N	GC-H5FL300NW	GC-H5FL300NB
		FL-3.0		6	GC-H6FL300N	GC-H6FL300NW	GC-H6FL300NB
		FL-3.0		7	GC-H7FL300N	GC-H7FL300NW	GC-H7FL300NB
		FL-3.0		8	GC-H8FL300N	GC-H8FL300NW	GC-H8FL300NB
		FL-3.0(SH)	2	5	GC-H5FL300A	GC-H5FL300AW	GC-H5FL300AB
		FL-3.0(SH)	2	6	GC-H6FL300A	GC-H6FL300AW	GC-H6FL300AB
		FL-3.0(SH)	2	7	GC-H7FL300A	GC-H7FL300AW	GC-H7FL300AB
		FL-3.0(SH)	2	8	GC-H8FL300A	GC-H8FL300AW	GC-H8FL300AB

Judkins Left Modified	3.5	FL-3.5		5	GC-H5FL350N	GC-H5FL350NW	GC-H5FL350NB
		FL-3.5		6	GC-H6FL350N	GC-H6FL350NW	GC-H6FL350NB
		FL-3.5		7	GC-H7FL350N	GC-H7FL350NW	GC-H7FL350NB
		FL-3.5		8	GC-H8FL350N	GC-H8FL350NW	GC-H8FL350NB
		FL-3.5(SH)	2	5	GC-H5FL350A	GC-H5FL350AW	GC-H5FL350AB
		FL-3.5(SH)	2	6	GC-H6FL350A	GC-H6FL350AW	GC-H6FL350AB
		FL-3.5(SH)	2	7	GC-H7FL350A	GC-H7FL350AW	GC-H7FL350AB
		FL-3.5(SH)	2	8	GC-H8FL350A	GC-H8FL350AW	GC-H8FL350AB
Judkins Left Modified	4.0	FL-4.0		5	GC-H5FL400N	GC-H5FL400NW	GC-H5FL400NB
		FL-4.0		6	GC-H6FL400N	GC-H6FL400NW	GC-H6FL400NB
		FL-4.0		7	GC-H7FL400N	GC-H7FL400NW	GC-H7FL400NB
		FL-4.0		8	GC-H8FL400N	GC-H8FL400NW	GC-H8FL400NB
		FL-4.0(SH)	2	5	GC-H5FL400A	GC-H5FL400AW	GC-H5FL400AB
		FL-4.0(SH)	2	6	GC-H6FL400A	GC-H6FL400AW	GC-H6FL400AB
		FL-4.0(SH)	2	7	GC-H7FL400A	GC-H7FL400AW	GC-H7FL400AB
		FL-4.0(SH)	2	8	GC-H8FL400A	GC-H8FL400AW	GC-H8FL400AB
Judkins Left Modified	4.5	FL-4.5		5	GC-H5FL450N	GC-H5FL450NW	GC-H5FL450NB
		FL-4.5		6	GC-H6FL450N	GC-H6FL450NW	GC-H6FL450NB
		FL-4.5		7	GC-H7FL450N	GC-H7FL450NW	GC-H7FL450NB
		FL-4.5		8	GC-H8FL450N	GC-H8FL450NW	GC-H8FL450NB
		FL-4.5(SH)	2	5	GC-H5FL450A	GC-H5FL450AW	GC-H5FL450AB
		FL-4.5(SH)	2	6	GC-H6FL450A	GC-H6FL450AW	GC-H6FL450AB
		FL-4.5(SH)	2	7	GC-H7FL450A	GC-H7FL450AW	GC-H7FL450AB
		FL-4.5(SH)	2	8	GC-H8FL450A	GC-H8FL450AW	GC-H8FL450AB
Judkins Left Modified	5.0	FL-5.0		5	GC-H5FL500N	GC-H5FL500NW	GC-H5FL500NB
		FL-5.0		6	GC-H6FL500N	GC-H6FL500NW	GC-H6FL500NB
		FL-5.0		7	GC-H7FL500N	GC-H7FL500NW	GC-H7FL500NB
		FL-5.0		8	GC-H8FL500N	GC-H8FL500NW	GC-H8FL500NB
		FL-5.0(SH)	2	5	GC-H5FL500A	GC-H5FL500AW	GC-H5FL500AB
		FL-5.0(SH)	2	6	GC-H6FL500A	GC-H6FL500AW	GC-H6FL500AB
		FL-5.0(SH)	2	7	GC-H7FL500A	GC-H7FL500AW	GC-H7FL500AB
		FL-5.0(SH)	2	8	GC-H8FL500A	GC-H8FL500AW	GC-H8FL500AB

Heartrail Item List

Curve	Size	Shape code	Side Hole	Fr.	Length(cm)	Standard Type
Judkins Left	3.0	JL-3.0		5	100	GC-F5JL300N
		JL-3.0		6	100	GC-F6JL300N
		JL-3.0		7	100	GC-F7JL300N
		JL-3.0		8	100	GC-F8JL300N
		JL-3.0(SH)	2	5	100	GC-F5JL300A
		JL-3.0(SH)	2	6	100	GC-F6JL300A
		JL-3.0(SH)	2	7	100	GC-F7JL300A
		JL-3.0(SH)	2	8	100	GC-F8JL300A
Judkins Left	3.5	JL-3.5		5	100	GC-F5JL350N
		JL-3.5		6	100	GC-F6JL350N
		JL-3.5		7	100	GC-F7JL350N
		JL-3.5		8	100	GC-F8JL350N
		JL-3.5(SH)	2	5	100	GC-F5JL350A
		JL-3.5(SH)	2	6	100	GC-F6JL350A
		JL-3.5(SH)	2	7	100	GC-F7JL350A
		JL-3.5(SH)	2	8	100	GC-F8JL350A
Judkins Left	4.0	JL-4.0		5	100	GC-F5JL400N
		JL-4.0		6	100	GC-F6JL400N
		JL-4.0		7	100	GC-F7JL400N
		JL-4.0		8	100	GC-F8JL400N
		JL-4.0(SH)	2	5	100	GC-F5JL400A
		JL-4.0(SH)	2	6	100	GC-F6JL400A
		JL-4.0(SH)	2	7	100	GC-F7JL400A
		JL-4.0(SH)	2	8	100	GC-F8JL400A
Judkins Left	4.5	JL-4.5		5	100	GC-F5JL450N
		JL-4.5		6	100	GC-F6JL450N
		JL-4.5		7	100	GC-F7JL450N
		JL-4.5		8	100	GC-F8JL450N
		JL-4.5(SH)	2	5	100	GC-F5JL450A
		JL-4.5(SH)	2	6	100	GC-F6JL450A
		JL-4.5(SH)	2	7	100	GC-F7JL450A
		JL-4.5(SH)	2	8	100	GC-F8JL450A
Judkins Left	5.0	JL-5.0		5	100	GC-F5JL500N
		JL-5.0		6	100	GC-F6JL500N
		JL-5.0		7	100	GC-F7JL500N
		JL-5.0		8	100	GC-F8JL500N
		JL-5.0(SH)	2	5	100	GC-F5JL500A
		JL-5.0(SH)	2	6	100	GC-F6JL500A
		JL-5.0(SH)	2	7	100	GC-F7JL500A
		JL-5.0(SH)	2	8	100	GC-F8JL500A
Judkins Left (Short Tip)	3.0	SL-3.0		5	100	GC-F5SL300N
		SL-3.0		6	100	GC-F6SL300N
		SL-3.0		7	100	GC-F7SL300N

		SL-3.0		8	100	GC-F8SL300N
		SL-3.0(SH)	2	5	100	GC-F5SL300A
		SL-3.0(SH)	2	6	100	GC-F6SL300A
		SL-3.0(SH)	2	7	100	GC-F7SL300A
		SL-3.0(SH)	2	8	100	GC-F8SL300A
Judkins Left (Short Tip)	3.5	SL-3.5		5	100	GC-F5SL350N
		SL-3.5		6	100	GC-F6SL350N
		SL-3.5		7	100	GC-F7SL350N
		SL-3.5		8	100	GC-F8SL350N
		SL-3.5(SH)	2	5	100	GC-F5SL350A
		SL-3.5(SH)	2	6	100	GC-F6SL350A
		SL-3.5(SH)	2	7	100	GC-F7SL350A
		SL-3.5(SH)	2	8	100	GC-F8SL350A
Judkins Left (Short Tip)	4.0	SL-4.0		5	100	GC-F5SL400N
		SL-4.0		6	100	GC-F6SL400N
		SL-4.0		7	100	GC-F7SL400N
		SL-4.0		8	100	GC-F8SL400N
		SL-4.0(SH)	2	5	100	GC-F5SL400A
		SL-4.0(SH)	2	6	100	GC-F6SL400A
		SL-4.0(SH)	2	7	100	GC-F7SL400A
		SL-4.0(SH)	2	8	100	GC-F8SL400A
Judkins Left (Short Tip)	4.5	SL-4.5		5	100	GC-F5SL450N
		SL-4.5		6	100	GC-F6SL450N
		SL-4.5		7	100	GC-F7SL450N
		SL-4.5		8	100	GC-F8SL450N
		SL-4.5(SH)	2	5	100	GC-F5SL450A
		SL-4.5(SH)	2	6	100	GC-F6SL450A
		SL-4.5(SH)	2	7	100	GC-F7SL450A
		SL-4.5(SH)	2	8	100	GC-F8SL450A
Judkins Left (Short Tip)	5.0	SL-5.0		5	100	GC-F5SL500N
		SL-5.0		6	100	GC-F6SL500N
		SL-5.0		7	100	GC-F7SL500N
		SL-5.0		8	100	GC-F8SL500N
		SL-5.0(SH)	2	5	100	GC-F5SL500A
		SL-5.0(SH)	2	6	100	GC-F6SL500A
		SL-5.0(SH)	2	7	100	GC-F7SL500A
		SL-5.0(SH)	2	8	100	GC-F8SL500A
JudkinsRight	3.0	JR-3.0		5	100	GC-F5JR300N
		JR-3.0		6	100	GC-F6JR300N
		JR-3.0		7	100	GC-F7JR300N
		JR-3.0		8	100	GC-F8JR300N
		JR-3.0(SH)	2	5	100	GC-F5JR300A
		JR-3.0(SH)	2	6	100	GC-F6JR300A
		JR-3.0(SH)	2	7	100	GC-F7JR300A
		JR-3.0(SH)	2	8	100	GC-F8JR300A

JudkinsRight	3.5	JR-3.5		5	100	GC-F5JR350N
		JR-3.5		6	100	GC-F6JR350N
		JR-3.5		7	100	GC-F7JR350N
		JR-3.5		8	100	GC-F8JR350N
		JR-3.5(SH)	2	5	100	GC-F5JR350A
		JR-3.5(SH)	2	6	100	GC-F6JR350A
		JR-3.5(SH)	2	7	100	GC-F7JR350A
		JR-3.5(SH)	2	8	100	GC-F8JR350A
JudkinsRight	4.0	JR-4.0		5	100	GC-F5JR400N
		JR-4.0		6	100	GC-F6JR400N
		JR-4.0		7	100	GC-F7JR400N
		JR-4.0		8	100	GC-F8JR400N
		JR-4.0(SH)	2	5	100	GC-F5JR400A
		JR-4.0(SH)	2	6	100	GC-F6JR400A
		JR-4.0(SH)	2	7	100	GC-F7JR400A
		JR-4.0(SH)	2	8	100	GC-F8JR400A
JudkinsRight	4.5	JR-4.5		5	100	GC-F5JR450N
		JR-4.5		6	100	GC-F6JR450N
		JR-4.5		7	100	GC-F7JR450N
		JR-4.5		8	100	GC-F8JR450N
		JR-4.5(SH)	2	5	100	GC-F5JR450A
		JR-4.5(SH)	2	6	100	GC-F6JR450A
		JR-4.5(SH)	2	7	100	GC-F7JR450A
		JR-4.5(SH)	2	8	100	GC-F8JR450A
JudkinsRight	5.0	JR-5.0		5	100	GC-F5JR500N
		JR-5.0		6	100	GC-F6JR500N
		JR-5.0		7	100	GC-F7JR500N
		JR-5.0		8	100	GC-F8JR500N
		JR-5.0(SH)	2	5	100	GC-F5JR500A
		JR-5.0(SH)	2	6	100	GC-F6JR500A
		JR-5.0(SH)	2	7	100	GC-F7JR500A
		JR-5.0(SH)	2	8	100	GC-F8JR500A
Amplatz Left	0.75	AL-0.75		5	100	GC-F5AL0G0N
		AL-0.75		6	100	GC-F6AL0G0N
		AL-0.75		7	100	GC-F7AL0G0N
		AL-0.75		8	100	GC-F8AL0G0N
		AL-0.75(SH)	2	5	100	GC-F5AL0G0A
		AL-0.75(SH)	2	6	100	GC-F6AL0G0A
		AL-0.75(SH)	2	7	100	GC-F7AL0G0A
		AL-0.75(SH)	2	8	100	GC-F8AL0G0A
Amplatz Left	1.0	AL-1		5	100	GC-F5AL010N
		AL-1		6	100	GC-F6AL010N
		AL-1		7	100	GC-F7AL010N
		AL-1		8	100	GC-F8AL010N
		AL-1(SH)	2	5	100	GC-F5AL010A

		AL-1(SH)	2	6	100	GC-F6AL010A
		AL-1(SH)	2	7	100	GC-F7AL010A
		AL-1(SH)	2	8	100	GC-F8AL010A
Amplatz Left (Short Tip)	1.0	AL-1S		5	100	GC-F5AL1S0N
		AL-1S		6	100	GC-F6AL1S0N
		AL-1S		7	100	GC-F7AL1S0N
		AL-1S		8	100	GC-F8AL1S0N
		AL-1S(SH)	2	5	100	GC-F5AL1S0A
		AL-1S(SH)	2	6	100	GC-F6AL1S0A
		AL-1S(SH)	2	7	100	GC-F7AL1S0A
		AL-1S(SH)	2	8	100	GC-F8AL1S0A
Amplatz Left	2.0	AL-2		5	100	GC-F5AL020N
		AL-2		6	100	GC-F6AL020N
		AL-2		7	100	GC-F7AL020N
		AL-2		8	100	GC-F8AL020N
		AL-2(SH)	2	5	100	GC-F5AL020A
		AL-2(SH)	2	6	100	GC-F6AL020A
		AL-2(SH)	2	7	100	GC-F7AL020A
		AL-2(SH)	2	8	100	GC-F8AL020A
Backup Left	2.5	BL-2.5		5	100	GC-F5BL250N
		BL-2.5		6	100	GC-F6BL250N
		BL-2.5		7	100	GC-F7BL250N
		BL-2.5		8	100	GC-F8BL250N
		BL-2.5(SH)	2	5	100	GC-F5BL250A
		BL-2.5(SH)	2	6	100	GC-F6BL250A
		BL-2.5(SH)	2	7	100	GC-F7BL250A
		BL-2.5(SH)	2	8	100	GC-F8BL250A
Backup Left	3.0	BL-3.0		5	100	GC-F5BL300N
		BL-3.0		6	100	GC-F6BL300N
		BL-3.0		7	100	GC-F7BL300N
		BL-3.0		8	100	GC-F8BL300N
		BL-3.0(SH)	2	5	100	GC-F5BL300A
		BL-3.0(SH)	2	6	100	GC-F6BL300A
		BL-3.0(SH)	2	7	100	GC-F7BL300A
		BL-3.0(SH)	2	8	100	GC-F8BL300A
Backup Left	3.5	BL-3.5		5	100	GC-F5BL350N
		BL-3.5		6	100	GC-F6BL350N
		BL-3.5		7	100	GC-F7BL350N
		BL-3.5		8	100	GC-F8BL350N
		BL-3.5(SH)	2	5	100	GC-F5BL350A
		BL-3.5(SH)	2	6	100	GC-F6BL350A
		BL-3.5(SH)	2	7	100	GC-F7BL350A
		BL-3.5(SH)	2	8	100	GC-F8BL350A
Backup Left	4.0	BL-4.0		5	100	GC-F5BL400N
		BL-4.0		6	100	GC-F6BL400N

		BL-4.0		7	100	GC-F7BL400N
		BL-4.0		8	100	GC-F8BL400N
		BL-4.0(SH)	2	5	100	GC-F5BL400A
		BL-4.0(SH)	2	6	100	GC-F6BL400A
		BL-4.0(SH)	2	7	100	GC-F7BL400A
		BL-4.0(SH)	2	8	100	GC-F8BL400A
Backup Left	4.5	BL-4.5		5	100	GC-F5BL450N
		BL-4.5		6	100	GC-F6BL450N
		BL-4.5		7	100	GC-F7BL450N
		BL-4.5		8	100	GC-F8BL450N
		BL-4.5(SH)	2	5	100	GC-F5BL450A
		BL-4.5(SH)	2	6	100	GC-F6BL450A
		BL-4.5(SH)	2	7	100	GC-F7BL450A
		BL-4.5(SH)	2	8	100	GC-F8BL450A
Backup Left	5.0	BL-5.0		5	100	GC-F5BL500N
		BL-5.0		6	100	GC-F6BL500N
		BL-5.0		7	100	GC-F7BL500N
		BL-5.0		8	100	GC-F8BL500N
		BL-5.0(SH)	2	5	100	GC-F5BL500A
		BL-5.0(SH)	2	6	100	GC-F6BL500A
		BL-5.0(SH)	2	7	100	GC-F7BL500A
		BL-5.0(SH)	2	8	100	GC-F8BL500A
Q-Curve	3.5	QL-3.5		5	100	GC-F5QL350N
		QL-3.5		6	100	GC-F6QL350N
		QL-3.5		7	100	GC-F7QL350N
		QL-3.5		8	100	GC-F8QL350N
		QL-3.5(SH)	2	5	100	GC-F5QL350A
		QL-3.5(SH)	2	6	100	GC-F6QL350A
		QL-3.5(SH)	2	7	100	GC-F7QL350A
		QL-3.5(SH)	2	8	100	GC-F8QL350A
Q-Curve	4.0	QL-4.0		5	100	GC-F5QL400N
		QL-4.0		6	100	GC-F6QL400N
		QL-4.0		7	100	GC-F7QL400N
		QL-4.0		8	100	GC-F8QL400N
		QL-4.0(SH)	2	5	100	GC-F5QL400A
		QL-4.0(SH)	2	6	100	GC-F6QL400A
		QL-4.0(SH)	2	7	100	GC-F7QL400A
		QL-4.0(SH)	2	8	100	GC-F8QL400A
Multipurpose	L	MP-L		5	100	GC-F5MP030N
		MP-L		6	100	GC-F6MP030N
		MP-L		7	100	GC-F7MP030N
		MP-L		8	100	GC-F8MP030N
		MP-L(SH)	2	5	100	GC-F5MP030A
		MP-L(SH)	2	6	100	GC-F6MP030A
		MP-L(SH)	2	7	100	GC-F7MP030A

		MP-L(SH)	2	8	100	GC-F8MP030A
Multipurpose	M	MP-M		5	100	GC-F5MP020N
		MP-M		6	100	GC-F6MP020N
		MP-M		7	100	GC-F7MP020N
		MP-M		8	100	GC-F8MP020N
		MP-M(SH)	2	5	100	GC-F5MP020A
		MP-M(SH)	2	6	100	GC-F6MP020A
		MP-M(SH)	2	7	100	GC-F7MP020A
		MP-M(SH)	2	8	100	GC-F8MP020A
Multipurpose	S	MP-S		5	100	GC-F5MP010N
		MP-S		6	100	GC-F6MP010N
		MP-S		7	100	GC-F7MP010N
		MP-S		8	100	GC-F8MP010N
		MP-S(SH)	2	5	100	GC-F5MP010A
		MP-S(SH)	2	6	100	GC-F6MP010A
		MP-S(SH)	2	7	100	GC-F7MP010A
		MP-S(SH)	2	8	100	GC-F8MP010A
Ikari-Curve Right	1.0	IR-1.0		5	100	GC-F5IR100N
		IR-1.0		6	100	GC-F6IR100N
		IR-1.0		7	100	GC-F7IR100N
		IR-1.0		8	100	GC-F8IR100N
		IR-1.0(SH)	2	5	100	GC-F5IR100A
		IR-1.0(SH)	2	6	100	GC-F6IR100A
		IR-1.0(SH)	2	7	100	GC-F7IR100A
		IR-1.0(SH)	2	8	100	GC-F8IR100A
Ikari-Curve Right	1.5	IR-1.5		5	100	GC-F5IR150N
		IR-1.5		6	100	GC-F6IR150N
		IR-1.5		7	100	GC-F7IR150N
		IR-1.5		8	100	GC-F8IR150N
		IR-1.5(SH)	2	5	100	GC-F5IR150A
		IR-1.5(SH)	2	6	100	GC-F6IR150A
		IR-1.5(SH)	2	7	100	GC-F7IR150A
		IR-1.5(SH)	2	8	100	GC-F8IR150A
Ikari-Curve Right	2.0	IR-2.0		5	100	GC-F5IR200N
		IR-2.0		6	100	GC-F6IR200N
		IR-2.0		7	100	GC-F7IR200N
		IR-2.0		8	100	GC-F8IR200N
		IR-2.0(SH)	2	5	100	GC-F5IR200A
		IR-2.0(SH)	2	6	100	GC-F6IR200A
		IR-2.0(SH)	2	7	100	GC-F7IR200A
		IR-2.0(SH)	2	8	100	GC-F8IR200A
Ikari-Curve Right	2.5	IR-2.5		5	100	GC-F5IR250N
		IR-2.5		6	100	GC-F6IR250N
		IR-2.5		7	100	GC-F7IR250N
		IR-2.5		8	100	GC-F8IR250N

		IR-2.5(SH)	2	5	100	GC-F5IR250A
		IR-2.5(SH)	2	6	100	GC-F6IR250A
		IR-2.5(SH)	2	7	100	GC-F7IR250A
		IR-2.5(SH)	2	8	100	GC-F8IR250A
Ikari-Curve Left	3.5	IL-3.5		5	100	GC-F5IL350N
		IL-3.5		6	100	GC-F6IL350N
		IL-3.5		7	100	GC-F7IL350N
		IL-3.5		8	100	GC-F8IL350N
		IL-3.5(SH)	2	5	100	GC-F5IL350A
		IL-3.5(SH)	2	6	100	GC-F6IL350A
		IL-3.5(SH)	2	7	100	GC-F7IL350A
		IL-3.5(SH)	2	8	100	GC-F8IL350A
Ikari-Curve Left	4.0	IL-4.0		5	100	GC-F5IL400N
		IL-4.0		6	100	GC-F6IL400N
		IL-4.0		7	100	GC-F7IL400N
		IL-4.0		8	100	GC-F8IL400N
		IL-4.0(SH)	2	5	100	GC-F5IL400A
		IL-4.0(SH)	2	6	100	GC-F6IL400A
		IL-4.0(SH)	2	7	100	GC-F7IL400A
		IL-4.0(SH)	2	8	100	GC-F8IL400A
Ikari-Curve Left	4.5	IL-4.5		5	100	GC-F5IL450N
		IL-4.5		6	100	GC-F6IL450N
		IL-4.5		7	100	GC-F7IL450N
		IL-4.5		8	100	GC-F8IL450N
		IL-4.5(SH)	2	5	100	GC-F5IL450A
		IL-4.5(SH)	2	6	100	GC-F6IL450A
		IL-4.5(SH)	2	7	100	GC-F7IL450A
		IL-4.5(SH)	2	8	100	GC-F8IL450A
Ikari-Curve Left	5.0	IL-5.0		5	100	GC-F5IL500N
		IL-5.0		6	100	GC-F6IL500N
		IL-5.0		7	100	GC-F7IL500N
		IL-5.0		8	100	GC-F8IL500N
		IL-5.0(SH)	2	5	100	GC-F5IL500A
		IL-5.0(SH)	2	6	100	GC-F6IL500A
		IL-5.0(SH)	2	7	100	GC-F7IL500A
		IL-5.0(SH)	2	8	100	GC-F8IL500A
IMA-1	1.0	IMA-1.0		5	100	GC-F5IMA10N
		IMA-1.0		6	100	GC-F6IMA10N
		IMA-1.0		7	100	GC-F7IMA10N
		IMA-1.0		8	100	GC-F8IMA10N
		IMA-1.0(SH)	2	5	100	GC-F5IMA10A
		IMA-1.0(SH)	2	6	100	GC-F6IMA10A
		IMA-1.0(SH)	2	7	100	GC-F7IMA10A
		IMA-1.0(SH)	2	8	100	GC-F8IMA10A
Judkins Left	3.0	FL-3.0		5	100	GC-F5FL300N

Modified		FL-3.0		6	100	GC-F6FL300N
		FL-3.0		7	100	GC-F7FL300N
		FL-3.0		8	100	GC-F8FL300N
		FL-3.0(SH)	2	5	100	GC-F5FL300A
		FL-3.0(SH)	2	6	100	GC-F6FL300A
		FL-3.0(SH)	2	7	100	GC-F7FL300A
		FL-3.0(SH)	2	8	100	GC-F8FL300A
Judkins Left	3.5	FL-3.5		5	100	GC-F5FL350N
Modified		FL-3.5		6	100	GC-F6FL350N
		FL-3.5		7	100	GC-F7FL350N
		FL-3.5		8	100	GC-F8FL350N
		FL-3.5(SH)	2	5	100	GC-F5FL350A
		FL-3.5(SH)	2	6	100	GC-F6FL350A
		FL-3.5(SH)	2	7	100	GC-F7FL350A
		FL-3.5(SH)	2	8	100	GC-F8FL350A
Judkins Left	4.0	FL-4.0		5	100	GC-F5FL400N
Modified		FL-4.0		6	100	GC-F6FL400N
		FL-4.0		7	100	GC-F7FL400N
		FL-4.0		8	100	GC-F8FL400N
		FL-4.0(SH)	2	5	100	GC-F5FL400A
		FL-4.0(SH)	2	6	100	GC-F6FL400A
		FL-4.0(SH)	2	7	100	GC-F7FL400A
		FL-4.0(SH)	2	8	100	GC-F8FL400A
Judkins Left	4.5	FL-4.5		5	100	GC-F5FL450N
Modified		FL-4.5		6	100	GC-F6FL450N
		FL-4.5		7	100	GC-F7FL450N
		FL-4.5		8	100	GC-F8FL450N
		FL-4.5(SH)	2	5	100	GC-F5FL450A
		FL-4.5(SH)	2	6	100	GC-F6FL450A
		FL-4.5(SH)	2	7	100	GC-F7FL450A
		FL-4.5(SH)	2	8	100	GC-F8FL450A
Judkins Left	5.0	FL-5.0		5	100	GC-F5FL500N
Modified		FL-5.0		6	100	GC-F6FL500N
		FL-5.0		7	100	GC-F7FL500N
		FL-5.0		8	100	GC-F8FL500N
		FL-5.0(SH)	2	5	100	GC-F5FL500A
		FL-5.0(SH)	2	6	100	GC-F6FL500A
		FL-5.0(SH)	2	7	100	GC-F7FL500A
		FL-5.0(SH)	2	8	100	GC-F8FL500A
Tiger Right	3.0	TR-3.0	1	5	100	GC-F5TR300N
		TR-3.0	1	6	100	GC-F6TR300N
		TR-3.0	1	7	100	GC-F7TR300N
		TR-3.0	1	8	100	GC-F8TR300N
Tiger Right	3.5	TR-3.5	1	5	100	GC-F5TR350N
		TR-3.5	1	6	100	GC-F6TR350N

		TR-3.5	1	7	100	GC-F7TR350N
		TR-3.5	1	8	100	GC-F8TR350N
Tiger Right	4.0	TR-4.0	1	5	100	GC-F5TR400N
		TR-4.0	1	6	100	GC-F6TR400N
		TR-4.0	1	7	100	GC-F7TR400N
		TR-4.0	1	8	100	GC-F8TR400N
Tiger Right	4.5	TR-4.5	1	5	100	GC-F5TR450N
		TR-4.5	1	6	100	GC-F6TR450N
		TR-4.5	1	7	100	GC-F7TR450N
		TR-4.5	1	8	100	GC-F8TR450N
Tiger Right	5.0	TR-5.0	1	5	100	GC-F5TR500N
		TR-5.0	1	6	100	GC-F6TR500N
		TR-5.0	1	7	100	GC-F7TR500N
		TR-5.0	1	8	100	GC-F8TR500N
Straight		ST		5	120	GC-H5ST012NQ
		ST		5	130	GC-H5ST013NQ

Tiger Right	3.0	TR-3.0	1	5	100	GC-H5TR300N
		TR-3.0	1	6	100	GC-H6TR300N
		TR-3.0	1	7	100	GC-H7TR300N
		TR-3.0	1	8	100	GC-H8TR300N
Tiger Right	3.5	TR-3.5	1	5	100	GC-H5TR350N
		TR-3.5	1	6	100	GC-H6TR350N
		TR-3.5	1	7	100	GC-H7TR350N
		TR-3.5	1	8	100	GC-H8TR350N
Tiger Right	4.0	TR-4.0	1	5	100	GC-H5TR400N
		TR-4.0	1	6	100	GC-H6TR400N
		TR-4.0	1	7	100	GC-H7TR400N
		TR-4.0	1	8	100	GC-H8TR400N
Tiger Right	4.5	TR-4.5	1	5	100	GC-H5TR450N
		TR-4.5	1	6	100	GC-H6TR450N
		TR-4.5	1	7	100	GC-H7TR450N
		TR-4.5	1	8	100	GC-H8TR450N
Tiger Right	5.0	TR-5.0	1	5	100	GC-H5TR500N
		TR-5.0	1	6	100	GC-H6TR500N
		TR-5.0	1	7	100	GC-H7TR500N
		TR-5.0	1	8	100	GC-H8TR500N
Straight		ST		5	120	GC-H5ST012NQ
		ST		5	130	GC-H5ST013NQ

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