

Configurable Plates - Pre-Hardened Steel

G-Star® (Daido) / PX5® (Daido) / NAK55® (Daido)

■ Features of G-Star® (Daido)

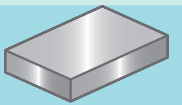
Martensitic Free-Cutting Pre-Hardened Stainless Steel with good corrosion resistance. Excels in machinability. Made into high hardness steel by quench and temper. (1,030°C Quench Hardness 48HRC)

■ Features of PX5® (Daido)

Pre hardened SCM steel alloy with good machinability and toughness.

■ Features of NAK55® (Daido)

Free cutting pre hardened steel alloy with excellent machinability. Smooth machined surfaces facilitate grinding machining afterward.



6-Surface Milled

RoHS10

Part Number	Material	Hardness
PG-STARF	G-Star® (Daido)	33~37HRC
PPX5F	PX5® (Daido)	30~33HRC
PNAK55F	NAK55® (Daido)	37~43HRC

6-Surface Milled

Type	Part Number	① Plate Thickness Tolerance	② A, B Dimension Tolerance	1mm Increment		
				A	B	T
				A ≥ B		
PG-STARF PPX5F		P Q N M	P Q N M	50~500	20~200	5~40
				50~300		
PNAK55F		P Q N M	P Q N M			

① Plate Thickness Tolerance

P	Q	N	M
+0.1~+0.3	0~+0.2	±0.1	-0.2~0

② A, B Dimension Tolerance

Type	PG-STARF, PPX5F				PNAK55F			
	P	Q	N	M	P	Q	N	M
A, B Dimension								
250mm or Less	+0.1~+0.3	0~+0.2	±0.1	-0.2~0	+0.1~+0.3	0~+0.2	±0.1	-0.2~0
250.5mm or More	+0.1~+0.6	0~+0.5	±0.25	-0.5~0				

■ Precision Standards

(Max. Value)

Item	Standard Value	
Thickness Parallelism (per 100mm)	0.05	
Flatness (per 100mm)	T5~7	0.1
	T8~15	0.07
	T16~25	0.05
	T26~	0.05
G-Star® (Daido) PX5® (Daido) Perpendicularity of Datum Plane	0.015 per 100mm	
NAK55® (Daido) Each Plane Perpendicularity	0.015 per 100mm	
Circumference Chamfering	C0.2~C0.5	

Ordering Example: **Part Number** - **A** - **B** - **T**

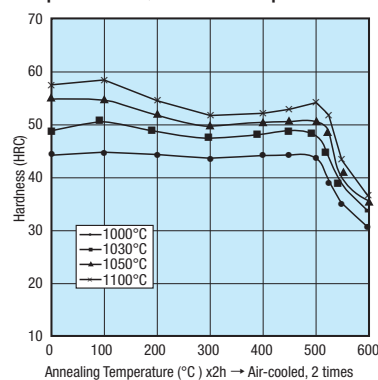
Type | **Plate Thickness Tolerance** | **A, B Dimension Tolerance**

PG-STARF | **Q** | **M** - 255 - 155 - 18

Corrosion Resistance (Reference)

Material	1% HNO ₃ 24h at Room Temperature	Distilled Water 24h at Room Temperature
G-Star® (Daido)	9.2g/m ² h	0g/m ² h
PX5® (Daido)	16.2g/m ² h	0.01g/m ² h
NAK55® (Daido)	18.2g/m ² h	0.01g/m ² h

Temperature of Quench and Temper of G-Star® (Daido)



Alterations: **Part Number** - **A** - **B** - **T** - (CSC, CBC)

PPX5FNN - 300 - 155 - 20 - CSC

Alterations	Circumference Chamfering	
	CSC	CBC
Code		
Spec.	Reduce the circumference chamfering dimension. Standard C0.2 ~ C0.5 → C0.1 or Less	Increase the circumference chamfering dimension. Standard C0.2 ~ C0.5 → C0.5~C1.0

(Ex.) For PG-STARFQM-255-165-18

A Dimension x Area Unit Price = Price

Part Number	A	B	T	5	6	7, 8	9, 10	11, 12	13~15	16~20	21~25	26~30	31~35	36~40	
PG-STARF□□	50~75	20~25	20~25												
	76~100														
	101~200														
	50~75			26~40	26~40										
	76~100														
	101~200														
	201~300														
	50~75	41~60	41~60												
	76~100														
	101~200														
	201~300														
	61~75			61~80	61~80										
	76~100														
	101~200														
	201~300														
	81~100	81~100	81~100												
	101~200														
	201~500														
	101~125			101~125	101~125										
	126~200														
201~500															
126~200	126~150	126~150													
201~500															
151~200			151~160	151~160											
201~500															
161~200					161~200	161~200									
201~500															

Part Number	A	B	T	5	6	7, 8	9, 10	11, 12	13~15	16~20	21~25	26~30	31~35	36~40	
PPX5F□□	50~75	20~25	20~25												
	76~100														
	101~200														
	50~75			26~40	26~40										
	76~100														
	101~200														
	201~300														
	50~75	41~60	41~60												
	76~100														
	101~200														
	201~300														
	61~75			61~80	61~80										
	76~100														
	101~200														
	201~300														
	81~100	81~100	81~100												
	101~200														
	201~500														
	101~125			101~125	101~125										
	126~200														
201~500															
126~200	126~150	126~150													
201~500															
151~200			151~160	151~160											
201~500															
161~200					161~200	161~200									
201~500															

Part Number	A	B	T	5	6	7, 8	9, 10	11, 12	13~15	16~20	21~25	26~30	31~35	36~40	
PNAK55F□□	50~75	20~25	20~25												
	76~100														
	101~200														
	50~75			26~40	26~40										
	76~100														
	101~200														
	201~300														
	50~75	41~60	41~60												
	76~100														
	101~200														
	201~300														
	61~75			61~80	61~80										
	76~100														
	101~200														
	201~300														
	81~100	81~100	81~100												
	101~200														
	201~300														
	101~125			101~125	101~125										
	126~200														
201~300															
126~200	126~150	126~150													
201~300															
151~200			151~160	151~160											
201~300															
161~200					161~200	161~200									
201~300															