



FRD-6PH Series

Pistol Drills

June 27, 2012

Power and Precision
in Perfect harmony

Fuji



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Range Overview : FRD-6PH Series



To be launched
Q4 2012



FRD-6PH-2

FRD-6PH-3

FRD-6PH-3(8)

FRD-6PH-5

FRD-6PH-7

6.5mm chuck
J.T. No.1

6.5mm chuck
J.T. No.1

8mm chuck
J.T. No.1

10mm chuck
J.T. No.2S

13mm chuck
J.T. No.6

4300rpm

2800rpm

2800rpm

1300rpm

600rpm

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Side Handle

Side Handle





Key Market segments

ENERGY



Oil & Gas

- Onshore
- Offshore
- Subsea



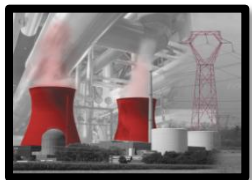
Petrochemical

- Refineries
- Rental companies
- Contractors



Mining

- Heavy material
- Conveyors
- Crushers



Power Generation

- Power plants
- Generators
- Turbines

METAL TRANSFORMATION



Foundries

- Foundries
- Moulding
- Casting



Metalworking

- Pressure container Mfg.
- Pumps
- Piping.



Construction

- Metal Structures
- Buildings
- Bridges



Heavy Production

- Paper Mills
- Steel Mills

MANUFACTURING



Shipyards

- Shipbuilding
- Vessel mainten.
- Contractors



Rolling Stock

- Cargo Trains
- Passenger Trains
- Tramways



Wood & Composite

- Housing
- Furniture
- Boat Mfg.



Medium Industries

- 2&3 Wheel Mfg.
- Components Mfg.
- HVAC & Lighting.





Markets & Applications

Drilling steel, soft cast iron, aluminum, composite etc.

✓ Metal Working

 SIC 3449




✓ Rolling Stock

 SIC 3743



✓ Medium Industries

 SIC 3552, 3561, ...



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USP of FRD-6PH Series



- 1. The Lowest Runout**
- 2. High Durability**
- 3. High Performance at low speed**





Features & Benefits: FRD-6PH Series

- **High Productivity:**
 - Accuracy: The lowest runout **0.02mm (FRD-2 and 3), 0.06mm (FRD-5 and 7)** measured at 20mm away from the chuck
 - Drilling performance: 5 vane motor gives high **drilling performance at low speed**
- **High Durability:**
 - **Yukiwa taper mounted** industrial drill chuck
 - Durable gearbox reduce maintenance cost and down time
 - Excellent alignment of motor, gears, spindle, and taper mounted chucks
- **Comfort:**
 - Ergonomic soft grip avoid fatigue
 - Side handle (-5 and -7) reduces reaction and secure hard drilling



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Specifications

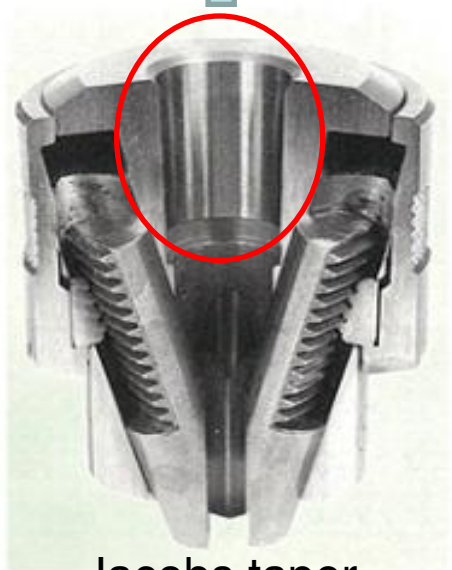
MODEL		FRD-6PH-2		FRD-6PH-3		FRD-6PH-3(8)		FRD-6PH-5		FRD-6PH-7	
PART NO.		5412060592		5412060593		5412060593		5412060594		5412060595	
SIDE HANDLE		No		No		No		Yes		Yes	
BODY / GRIP		Soft Grip		Soft Grip		Soft Grip		Soft Grip		Soft Grip	
SPINDLE		J.T.No.1		J.T.No.1		J.T.No.1		J.T.No.2S		J.T.No.6	
CHUCK		6.5MG		6.5MG		J8MG		10MG		13MG	
UNIT		Imperial	Metric	Imperial	Metric	Imperial	Metric	Imperial	Metric	Imperial	Metric
FREE SPEED	[rpm]	4 300		2 800		2 800		1 300		600	
POWER	[hp] [W]	0.46hp	340W	0.46hp	340W	0.46hp	340W	0.44hp	320W	0.44hp	320W
CHUCK CAPACITY	[in.] [mm]	1/4"	6.5	1/4"	6.5	5/16"	8	3/8"	10	1/2"	13
MAX TORQUE	[ft.lbs] [Nm]	-	-	3.2	4.3	3.2	4.3	5.5	7.5	11.7	15.8
LENGTH	[in.] [mm]	-	-	7.8	198	8.1	205	9.6	243	10.2	258
WEIGHT	[lb] [kg]	-	-	2.0lb	0.89kg	2.2lb	0.99kg	3.1lb	1.4kg	3.3lb	1.5kg
MAX AIR CONSUMPTION	FREE SPEED [cfm] [m3/min]	20.8	0.59	20.8	0.59	20.8	0.59	20.8	0.59	20.8	0.59
AIR INLET	[in.]	1/4" NPT or PT		1/4" NPT or PT		1/4" NPT or PT		1/4" NPT or PT		1/4" NPT or PT	



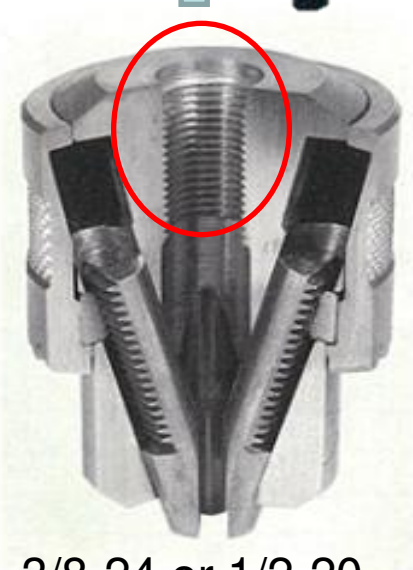


Chucks for FRD-6PH Series

Yukiwa taper mounted chuck for durability and low runout



Jacobs taper
for **FRD-6PH**





3/8-24 or 1/2-20
for **FRD-6PX**





Competition Crossover

Fuji Model	Uryu	Yokota	NPK
FRD-6PH-2	UD-60-29	-	-
FRD-6PH-3	 UD-60-29	 YRD-6N	NRD-6SA
FRD-6PH-5	-	-	-
FRD-6PH-7	UD-60-07	YRD-13N	-

