Machine S-Type SCUDDING®

S-250
S-500

GMTA
German Machine Tools of America

Profilator

SCUDDING®

Working area		S-250	S-500
Working range, Ø max.	mm	250	500
Machining Ø, max.	mm	200	400
Clamping chuck, Ø max.	mm	315	650
X-Axis - slide travel	mm	1400	1700
Y-Axis - slide travel	mm	250	250
Z-Axis - slide travel	mm	500	500
B-Axis - tilt angle	Degree	+/-30°	+/-45°
Work piece spindle			
Driving power, 100% ED	kW	35,1	64,4
Spindle head		KK8	KK11
Work tool spindle			
Driving power, 100% ED	kW	31,5	35,1
Spindle head		HSK-100	HSK-100

Advantage SCUDDING®:

SCUDDING®	**150 s**
Gear Shaping	**600 s**

Gear Data:

Module	3
Number of Teeth	-82
Pressure Angle	24°
Helix Angle	12°30‘ left
Minor Diameter	247,1
Major Diameter	260,5
Face Width	60

Process Data:

SCUDDING®	Ring gear with internal helical gear
Cutting strategy	Shift-SCUDDING®
Number of roughing cuts	16
Number of finishing cuts	2
Gear Quality	DIN 7
Tool	SCUDDING® Tool PM-HSS
Tool life / regrind	250 pcs.
Number of regrinds	30x
Cost per regrind	60 €
Total Tool life	7.500 pcs.
Tool cost	1500 €
Tool cost / part	0,44 €

SCUDDING®

20 s

15 s

Profilator

GMTA
German Machine Tools of America

Profilator GmbH & Co. KG
Buchenhofener Straße 35
D-42329 Wuppertal
Germany

Phone +49 202 2788-0
Fax +49 202 2788-100
Internet www.profilator.com
E-Mail info@profilator.com