

UR544, UXR514 SERIES

Workpiece	Alloy Steels Carbon Steels (SCM, SNCM, S45C)		Prehardened Steels (NAK, CENA, KP4)		Hardened Steels (SKD, SKT, STAVAX)	
Hardness	~ HRC35		HRc35 ~ HRc45		HRc45~HRc55	
Strength	~ 1100N/mm2		1100 ~ 1500N/mm2		1500 ~ 2000N/mm2	
Diameter (mm)	RPM	FEED	RPM	FEED	RPM	FEED
1	33,100	360	21,600	260	13,200	140
1.5	26,400	370	16,200	270	10,200	140
2	21,600	380	13,800	280	8,640	150
2.5	18,000	390	11,400	300	7,320	150
3	15,900	400	10,300	310	6,300	150
4	12,800	500	8,200	360	5,150	160
5	11,000	510	7,000	430	4,560	200
6	9,500	510	6,000	430	3,930	200
8	7,200	550	4,550	430	3,020	200
10	6,000	550	4,000	430	2,420	200
12	5,000	430	3,340	380	2,000	160
16	3,720	330	2,520	280	1,540	135
20	3,000	270	1,950	210	1,200	100

RPM = rev/min
FEED = mm/min

