

COLD WORK AND ALLOY TOOL STEELS									
Powmex Grade - DIN No.	CHEMICAL COMPOSITION (%)								
	C	Si	Mn	P	S	Cr	Mo	V	W
D 2 - 1.2379	1.40	0.10	0.15	0.030	0.030	11.00	0.60	0.25	-
	1.60	0.60	0.60	Max	Max	12.00	1.20	1.10	-
D 3 - 1.2080	1.90	0.10	0.15	0.030	0.030	11.00	-	-	-
	2.35	0.60	0.60	Max	Max	12.00	-	-	-
D 4	2.05	0.10	0.10	0.030	0.030	11.00	0.70	0.15	-
	2.40	0.60	0.60	Max	Max	13.00	1.20	1.20	-
D 6 - 1.2436	2.00	0.10	0.15	0.030	0.030	11.00	-	-	0.60
	2.25	0.60	0.60	Max	Max	12.00	-	-	0.80
D 2 M - 1.2601	1.55	0.25	0.20	0.035	0.030	11.00	0.05	0.10	0.40
	1.75	0.40	0.40	Max	Max	12.00	0.70	0.50	0.60
D 2 V	1.50	0.20	0.15	0.030	0.030	11.00	0.70	0.45	-
	1.60	0.60	0.45	Max	Max	12.00	0.90	0.55	-
SKD 11	1.40	0.20	0.15	0.030	0.030	11.00	0.80	0.20	-
	1.60	0.60	0.45	Max	Max	12.00	1.20	0.50	-
D 3 M	1.55	0.20	0.20	0.035	0.035	11.00	-	0.07	-
	1.75	0.40	0.40	Max	Max	12.00	-	0.12	-
S 2 M	0.47	0.90	0.30	0.04	0.04	0.25	0.40	-	-
	0.55	1.10	0.50	Max	Max	Max	0.55	-	-
S 5	0.50	0.60	1.75	0.030	0.030	0.35	0.20	0.35	-
	0.65	1.10	2.25	Max	Max	Max	1.35	Max	-
S 7	0.45	0.20	0.20	0.030	0.030	3.00	1.30	0.35	-
	0.55	1.00	0.90	Max	Max	3.50	1.80	Max	-

MANUFACTURING RANGE (Applicable for all grades and all dimensions in mm)					
Rounds and Squares	Size	Flats	T	W	(W - T)
Annealed and Centreless Ground	5 - 25	Rolled	6 - 15	25 - 40	> 8
Annealed	5.5 - 56		15.1 - 32	25 - 60	> 8
Annealed and Peeled	12 - 54	Forged	High Speed Steels		
High Speed Steels			40 - 100	80 - 120	
Forged, Annealed, Peeled and Turned	57 - 160	Cold / Hot Work and Alloy Tool Steels			
Rolled Squares	7.2 - 27		35 - 100	80 - 180	
Forged Squares	60 - 140	LENGTH FOR ALL GRADES			
Cold / Hot Work and Alloy Tool Steels		Upto 80 dia. 2 - 4 Mtrs. with 10% shorts down to 1 Mtr.			
Forged and Annealed	60 - 180	81 - 120 dia. 1.5 - 4 Mtrs. with 10% shorts down to 1 Mtr.			
Forged Squares	60 - 150	121 - 180 dia. 1.5 - 3 Mtrs. with 10% shorts down to 1 Mtr.			